

The following site is being submitted for inclusion into the GIS registry:

This is a:	New Submittal
BRRTS ID (no dashes):	0227000426
Comm # (no dashes):	54615999921
County:	Jackson
Region:	Commerce
Site name:	Federation Coop
Street Address:	321 Winnebago Ave
City:	Black River Falls
Closure Date	2000-08-09
Closure Conditions:	met
Offsite contamination?	No
Right-of-way contamination?	No
Contaminated media:	Groundwater
GPS Coordinates (meters in the WTM91 projection)	
Easting (X):	563251.53521 453023
Northing (Y):	542600.03999 425250
Submitted by:	Cheryl Nelson

Checklist

- Final Closure Letter
- Copy of recorded deed Instrument for any property with GW >NR140 ES
- General Location Map
- Detailed Location Map showing property boundaries, buildings, etc for properties with GW >NR140 ES
- Latest Map(s) showing extent or outline of current GW plume
- GW flow direction
- MW(s) and/or potable wells
- Latest Table of GW results



August 9, 2000

Federation Cooperative
Leroy Wiersma
108 North Water Street
Black River Falls, WI 54615

RE: COMMERCE # 54615-9999-21

Federation Coop, 321 Winnebago Avenue, Black River Falls, WI

10,000- and 14,000-gallon diesel ASTs removed during 1969, 17,000-gallon leaded gasoline and 17,000-gallon diesel ASTs removed during 1989, and associated former pump house removed during remedial excavation.

Case Closure

Dear Mr. Wiersma:

This letter acknowledges receipt of the monitoring well abandonment documentation and copy of recorded executed deed notice. The above-referenced site will now be listed as "closed" on our computer database, as described in my letter dated May 2, 2000.

Thank you for your efforts in the protection of the environment. If you have any questions, you can reach me at (608) 264-8766.

Sincerely,

A handwritten signature in black ink, appearing to read 'D. Swimm', written over a horizontal line.

David E. Swimm
Hydrogeologist
PECFA Site Review Section

cc: Cindy Zelenka, Central Wisconsin Engineers and Architects
Electronic case file

99162

Document Number

NOTICE OF CONTAMINATION TO PROPERTY

384 551

RECEIVED FOR RECORD AT 4:10 P M Vol. 384 Page 551

JUL 06 2000

SHARI MADG REGISTER OF DEEDS JACKSON COUNTY, WI

Legal Description of the Property: See attached certified copy of document as recorded in Vol. 179 page 122 - 124.

Recording Area #22

Name and Return Address

Gerald W. Laabs Black River Falls, WI

STATE OF WISCONSIN)) ss COUNTY OF JACKSON)

206-2067.0000

Parcel Identification Number (PIN)

Section 1. Federation Cooperative is the owner of the above-described property.

Section 2. One or more petroleum discharges have occurred at this property. Petroleum contaminated groundwater above NR 140 enforcement standards (ES) was detected during the sampling of a groundwater monitoring well (MW-2) on August 26, 1999. Naphthalene was detected in this well at 99 ug/L (ug/L is equivalent to parts-per-billion. Petroleum contaminated soil above NR 720 residual contaminant levels of the Wisconsin Administrative Code also exist on this property in the area of the former dispensing system.

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 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, 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.

Also,

Residual petroleum contaminated soil above NR 720 residual contaminant levels remain on this site at a depth of about 4-6 feet below grade. The residual soil contamination is in the area of the former remedial excavation and extends to about MW-2P (please refer to the attached site map labeled Figure 1). Benzene was detected in the excavation sample (S-16) at 0.245 mg/kg (ppm). Gasoline Range Organics (GRO) and Diesel Range Organics (DRO) were detected in the soil in MW-2P at 1,370 ppm and 3,890 ppm respectively. Buried and structural impediments existing at the time of clean up made complete remediation of

the soil contamination on this property impracticable. It has been shown that these levels are protective of health and the environment. If this contaminated soil is excavated in the future, it may be considered a solid waste and will need to be disposed in accordance with applicable laws.

384 552

Any person who is or becomes owner of the property described above may request that the Wisconsin Department of Commerce, or its successor, issue a determination that the restrictions set forth in this covenant are no longer required.

That property owner 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 Department's 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 6th day of July, 2000.

By signing this document, Leroy Wiersma acknowledges that he is duly authorized to sign this document on behalf of the Federation Cooperative.

Signature: Leroy Wiersma
Printed Name: Leroy Wiersma
Title: General Manager

Subscribed and sworn to before me this 6th day of July, 2000.

Deborah J. Berhardt
Notary Public, State of Wisconsin
Deborah J. Berhardt
My commission expires 11/02/2003

This document was drafted by the Wisconsin Department of Commerce and Central Wisconsin Engineers & Architects, Inc.

TABLE 2
Summary of Groundwater Chemistry Data - Post-Remediation
Federation Cooperative, Black River Falls, Wisconsin
CWE Project No. 14519670

SAMPLE I.D.	MW-1										MW-2								MW-2P								NR 140 ES ³	NR 140 PAL ⁴	
	10/17/96	03/18/97	05/23/97	09/23/97	12/11/97	03/27/98	06/18/98	10/20/98	08/26/99		10/17/96	03/18/97	05/23/97	09/23/97	12/11/97	03/27/98	06/18/98	10/20/98	08/26/99		10/17/96	03/18/97	05/23/97	09/23/97	12/11/97	03/27/98			06/18/98
ANALYTICAL PARAMETERS																													
Total Petroleum Hydrocarbons¹																													
Gasoline Range Organics	< 50	< 50	--	< 50	--	--	< 17	< 17	--	1,630	1,910	--	1,600	--	--	997	2,100	1,430	< 50	78	--	< 50	--	--	< 17	< 17	< 17	--	--
Diesel Range Organics	1,126	410	--	587	--	--	--	--	--	5,080	2,380	--	7,170	--	--	--	--	10,300	566	240	--	281	--	--	--	--	231	--	--
Volatile Organic Compounds^{1,2}																													
Benzene	< 0.5	< 0.5	--	< 0.5	--	< 0.5	< 0.50	< 0.50	--	8.7	9.7	10	1.8	2.0	1.1	< 0.50	< 0.50	< 0.50	0.54	1.0	--	< 0.5	< 0.5	< 0.5	< 0.50	< 0.50	< 0.50	5	0.5
Ethylbenzene	< 1.0	< 1.0	--	< 1.0	--	< 1.0	< 0.60	< 0.60	--	3.8	2.6	4.5	3.3	2.4	2.9	2.2	2.3	2.1	< 1.0	1.5	--	< 1.0	< 1.0	< 1.0	< 0.60	< 0.60	< 0.60	700	140
Toluene	< 1.0	< 1.0	--	< 1.0	--	< 1.0	< 0.60	< 0.60	--	< 1.0	6.3	4.9	5.2	< 1.0	< 1.0	0.72	1.3	1.6	2.6	4.6	--	2.0	< 1.0	< 1.0	< 0.60	< 0.60	< 0.60	343	68.6
Total Xylenes	< 1.0	< 1.0	--	< 1.0	--	< 1.0	< 1.7	< 1.7	--	17	19	24	25	15	16	14	19.9	12.2	1.9	4.7	--	3.5	< 1.0	< 1.0	< 1.7	< 1.7	< 1.7	620	124
Methyl tert-butyl ether	< 1.0	< 1.0	--	< 1.0	--	< 1.0	< 0.92	< 0.92	--	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 0.92	< 0.92	< 0.92	< 1.0	< 1.0	--	< 1.0	< 1.0	< 1.0	< 0.92	< 0.92	< 0.92	60	12
Total Trimethylbenzene	< 1.0	< 1.0	--	< 1.0	--	< 1.0	< 1.7	< 1.7	--	86	83	133	88	65	77	86	105	92	< 1.0	1.5	--	1.2	< 1.0	< 1.0	< 1.7	< 1.7	< 1.7	480	96
Naphthalene	--	--	--	--	--	1.3	< 2.8	3.3	--	--	--	--	--	44	--	109	113	99	--	--	--	--	< 1.0	--	< 2.8	< 2.8	< 2.8	40	8
Inorganic Parameters¹																													
Lead	< 1.0	--	--	--	--	--	--	--	--	2.6	--	--	--	--	--	--	--	--	< 1.0	--	--	--	--	--	--	--	--	15	1.5
Alkalinity (mg/L)	214	--	--	255	--	--	--	284	--	220	--	--	248	--	--	--	238	--	107	--	--	143	--	--	--	128	--	--	--
Nitrogen-Nitrate/Nitrite (mg/L)	< 0.3	--	--	< 0.3	--	--	--	< 0.004	--	< 0.3	--	--	< 0.3	--	--	--	< 0.004	--	< 0.3	--	--	< 0.3	--	--	--	< 0.004	--	10	2
Sulfate (mg/L)	< 1.5	--	--	< 1.5	--	--	--	< 0.26	--	2.3	--	--	1.6	--	--	--	< 0.13	--	< 1.5	--	--	< 1.5	--	--	--	< 0.13	--	--	--
Iron (mg/L)	33	--	--	48	--	--	--	60	--	35	--	--	23	--	--	--	29	--	17	--	--	26	--	--	--	18	--	--	--
Temperature (°C)	12.3	5.1	--	12.6	8.3	9.7	11.4	13.5	--	13.3	4.6	15.4	15.2	8.6	9.3	11.2	16.5	19.2	12.6	6.3	--	11.7	9.0	11.2	10.8	13.5	16.1	--	--
Dissolved Oxygen (mg/L)	3.1	1.0	0.8	0.0	0.9	0.0	0.0	0.6	--	0.6	0.1	0.8	0.2	0.6	0.1	0.0	0.5	--	0.1	0.8	1.2	0.2	0.7	0.0	0.0	1.0	--	--	--
pH (S.U.)	6.45	6.16	--	6.19	5.91	6.13	6.41	6.15	--	6.43	6.14	5.89	6.33	6.13	6.36	6.57	5.54	6.35	6.42	6.03	--	6.32	6.23	6.08	6.12	5.41	6.08	--	--
Conductivity (µmho/cm)	485	385	--	490	450	470	450	580	--	500	385	501	500	400	650	700	460	468	290	380	--	340	275	330	400	330	339	--	--

NOTES: 1) Results presented as micrograms per liter (µg/L), which is equivalent to parts per billion (ppb), unless otherwise stated.

2) Additional volatile organic compounds (VOCs) were analyzed; those not listed were not identified above method detection limits (refer to laboratory reports for a full list of compounds).

3) Shaded results indicate an exceedance of NR 140 Enforcement Standards (ESs).

4) Bold/italicized results indicate an exceedance of NR 140 Preventive Action Limits (PALs).

N = Not Detected above Method Detection Limits (MDLs); please refer to the attached laboratory reports for MDLs and Practical Quantitation Limits (PQLs).

-- = Not analyzed, not sampled, or not applicable.

TABLE 2
Summary of Groundwater Chemistry Data - Post-Remediation
Federation Cooperative, Black River Falls, Wisconsin
CWE Project No. 14519670

SAMPLE I.D.	MW-3									MW-4									MW-5									NR 140 ES ³	NR 14 PAL
	10/17/96	03/18/97	05/23/97	09/23/97	12/11/97	03/27/98	06/18/98	10/20/98	08/26/99	10/17/96	03/18/97	05/23/97	09/23/97	12/11/97	03/27/98	06/18/98	10/20/98	08/26/99	10/17/96	03/18/97	05/23/97	09/23/97	12/11/97	03/27/98	06/18/98	10/20/98	08/26/99		
ANALYTICAL PARAMETERS																													
Total Petroleum Hydrocarbons¹																													
Gasoline Range Organics	64	97	--	< 50	--	--	< 17	34	--	60	51	--	62	--	--	< 17	47	56	54	69	--	53	--	--	< 17	27	--	--	
Diesel Range Organics	413	415	--	409	--	--	--	--	--	781	379	--	630	--	--	--	--	495	896	501	--	438	--	--	--	--	--		
Volatile Organic Compounds^{1,2}																													
Benzene	< 0.5	< 0.5	< 0.5	< 0.5	--	< 0.5	< 0.50	< 0.50	--	< 0.5	< 0.5	< 0.5	< 0.5	--	< 0.5	< 0.50	< 0.50	< 0.50	< 0.5	0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.50	< 0.50	--	5	0
Ethylbenzene	< 1.0	< 1.0	< 1.0	< 1.0	--	< 1.0	< 0.60	< 0.60	--	< 1.0	< 1.0	< 1.0	< 1.0	--	< 1.0	< 0.60	< 0.60	< 0.60	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 0.60	< 0.60	--	700	14
Toluene	< 1.0	< 1.0	< 1.0	< 1.0	--	< 1.0	< 0.60	< 0.60	--	< 1.0	< 1.0	< 1.0	< 1.0	--	< 1.0	< 0.60	< 0.60	< 0.60	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 0.60	< 0.60	--	343	68
Total Xylenes	< 1.0	< 1.0	< 1.0	< 1.0	--	< 1.0	< 1.7	< 1.7	--	< 1.0	< 1.0	< 1.0	< 1.0	--	< 1.0	< 1.7	< 1.7	< 1.7	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.7	< 1.7	--	620	14
Methyl tert-butyl ether	< 1.0	< 1.0	< 1.0	< 1.0	--	< 1.0	< 0.92	< 0.92	--	< 1.0	< 1.0	< 1.0	< 1.0	--	< 1.0	< 0.92	< 0.92	< 0.92	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 0.92	< 0.92	--	60	14
Total Trimethylbenzene	< 1.0	< 1.0	< 1.0	< 1.0	--	< 1.0	< 1.7	< 1.7	--	< 1.0	< 1.0	1.3	< 1.0	--	2.3	< 1.7	< 1.7	< 1.7	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.7	< 1.7	--	480	14
Naphthalene	--	--	--	--	--	< 1.0	< 2.8	< 2.8	--	--	--	--	--	--	5.0	5.2	4.3	5.6	--	--	--	--	< 1.0	--	< 2.8	< 2.8	--	40	14
Inorganic Parameters¹																													
Lead	< 1.0	--	--	--	--	--	--	--	--	< 1.0	--	--	--	--	--	--	--	--	< 1.0	--	--	--	--	--	--	--	--	15	14
Alkalinity	184	--	--	181	--	--	--	185	--	145	--	--	156	--	--	--	158	--	171	--	--	--	153	--	--	240	--	--	--
Nitrogen-Nitrate/Nitrite	< 0.3	--	--	3.4	--	--	--	< 0.004	--	< 0.3	--	--	< 0.3	--	--	--	< 0.004	--	< 0.3	--	--	--	0.39	--	--	2.3	--	10	--
Sulfate	< 1.5	--	--	1.8	--	--	--	< 0.13	--	< 1.5	--	--	< 1.5	--	--	--	< 0.13	--	3.0	--	--	--	7.9	--	--	2.0	--	--	--
Total Iron	25	--	--	23	--	--	--	27	--	23	--	--	24	--	--	--	66	--	12	--	--	--	11	--	--	3.4	--	--	--
Temperature (°C)	16.5	5.6	12.3	14.3	8.7	10.8	11.9	13.1	--	15.5	5.7	11.9	14.2	8.8	10.6	11.7	15.3	17.6	14.7	5.3	13.0	14.8	8.4	10.8	11.0	14.5	--	--	--
Dissolved Oxygen (mg/L)	0.2	0.8	0.8	0.9	0.6	0.2	0.1	0.9	--	0.2	0.5	1.0	0.3	0.7	0.0	0.0	0.9	--	0.2	0.8	1.0	0.3	0.9	0.0	0.1	1.2	--	--	--
pH (S.U.)	6.13	6.93	6.01	6.12	5.73	6.15	6.32	5.50	--	6.06	6.27	5.72	6.22	5.71	6.05	6.57	5.46	6.25	6.36	6.27	5.84	6.43	6.31	6.15	6.81	5.54	--	--	--
Conductivity (µmho/cm)	430	500	410	405	480	600	550	428	--	370	330	393	360	330	400	350	425	482	330	270	331	260	215	425	500	380	--	--	--

NOTES: 1) Results presented as micrograms per liter (µg/L), which is equivalent to parts per billion (ppb), unless otherwise stated.

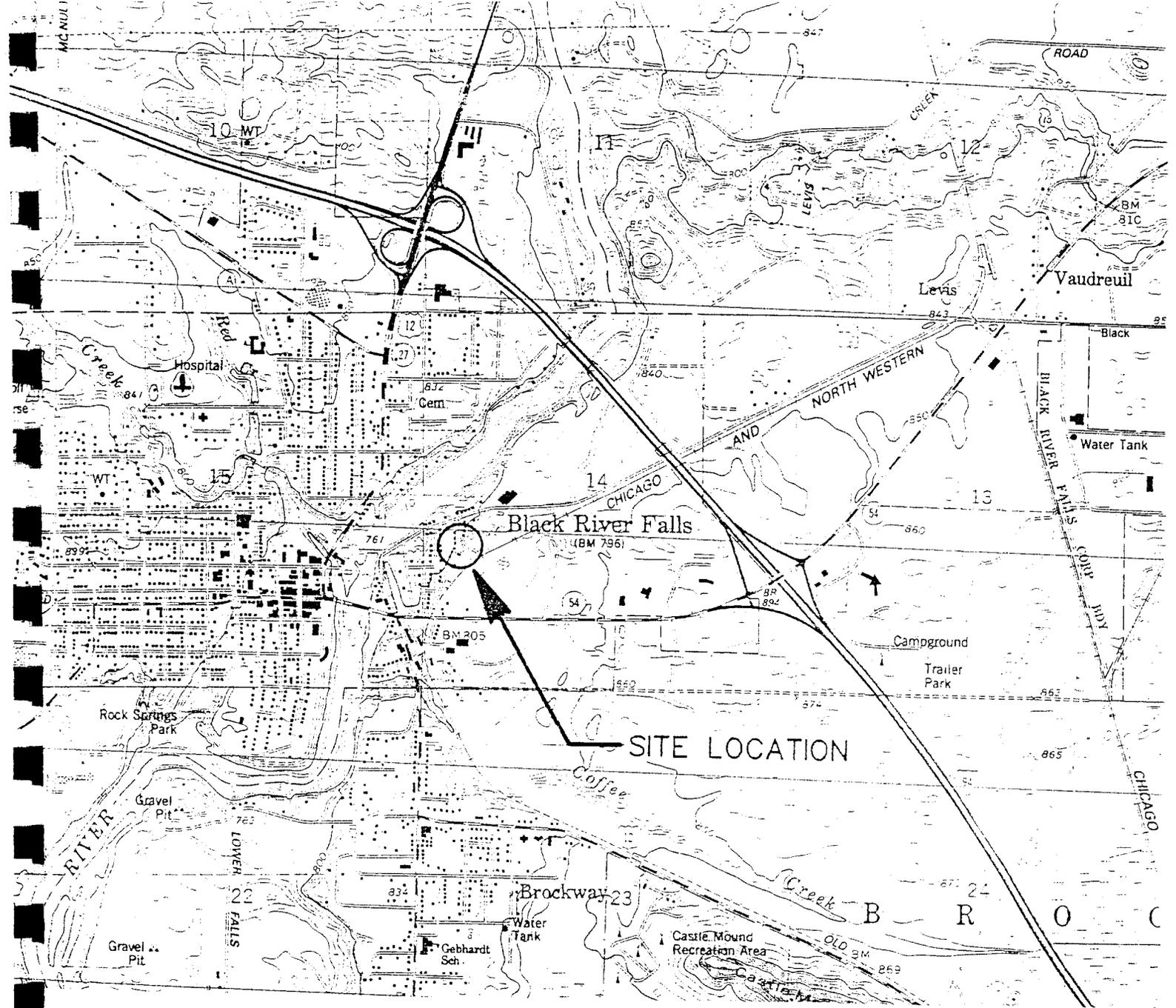
2) Additional volatile organic compounds (VOCs) were analyzed; those not listed were not identified above method detection limits (refer to laboratory reports for a full list of compounds).

3) Shaded results indicate an exceedance of NR 140 Enforcement Standards (ESs).

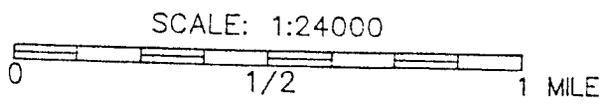
4) Bold/italicized results indicate an exceedance of NR 140 Preventive Action Limits (PALs).

N = Not Detected above Method Detection Limits (MDLs); please refer to the attached laboratory reports for MDLs and Practical Quantitation Limits (PQLs).

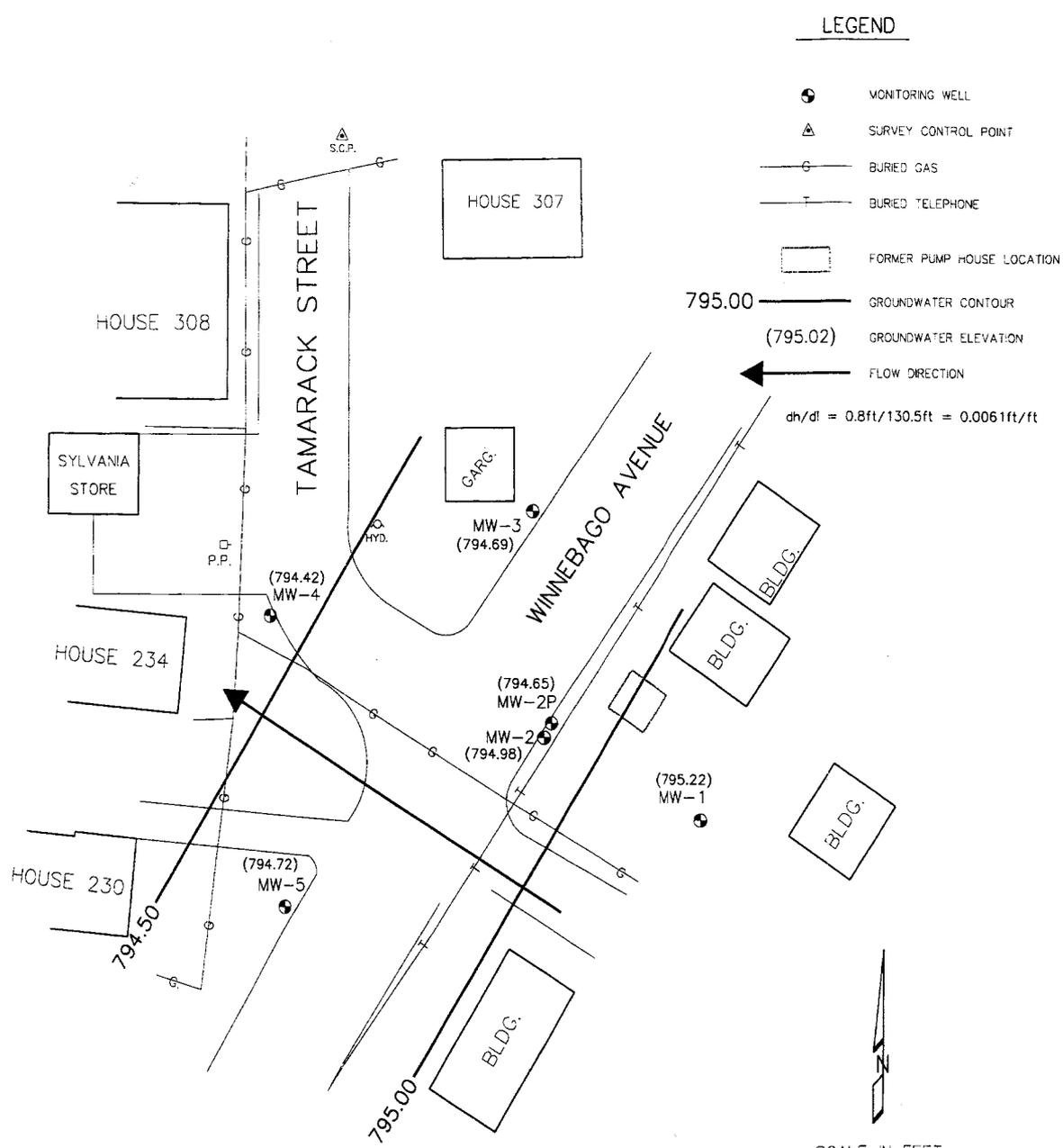
-- = Not analyzed, not sampled, or not applicable.



SOURCE:
 U.S.G.S. QUADRANGLE MAP
 "BLACK RIVER FALLS, WIS."
 1984



NO	BY	DATE	REVISION	APP'D
SHEET TITLE:				
SITE LOCATION MAP				
PROJECT:				
FEDERATION COOPERATIVE (WINNEBAGO AVE.) BLACK RIVER FALLS, WISCONSIN				
CENTRAL WISCONSIN ENGINEERS, INC.		DRAWN BY: R.H.		FIGURE 1
		CHECKED BY: CA		
		APPROVED BY: MA		
		DATE: 2/95		
PROJ. NO. 14519450			DNR NO.	



NOTE:

MW-2P WAS NOT USED IN THIS HYDROGEOLOGIC INTERPRETATION, AS IT IS A PIEZOMETER.

CWME

CENTRAL WISCONSIN ENGINEERS AND ARCHITECTS, INC.

PHONE: (715)359-9400 FAX: (715)355-4199
5707 SCHOFIELD AVENUE WESTON, WI 54476

PROJECT:

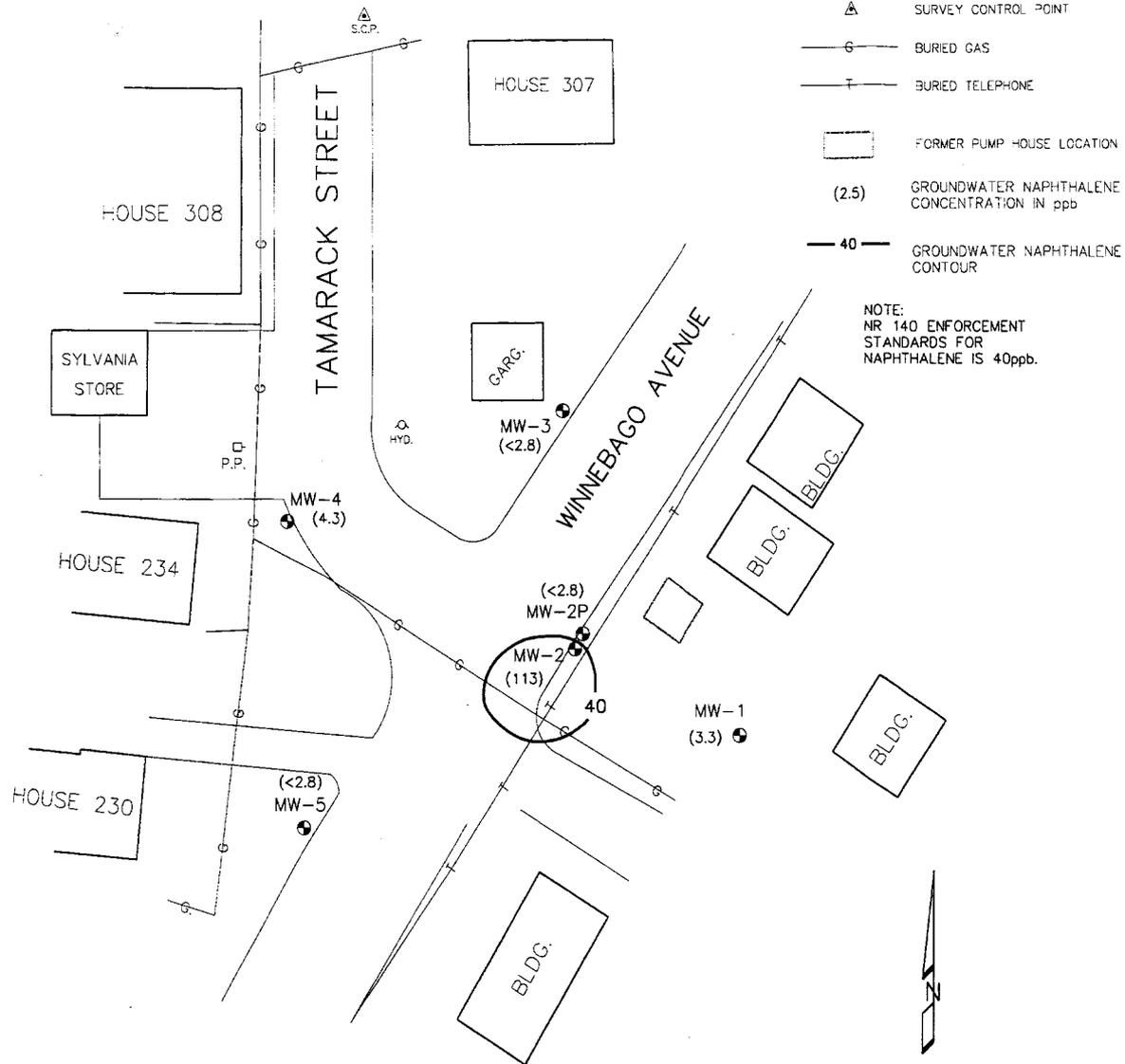
GROUNDWATER CONTOUR MAP
AS OF 10/20/98
FEDERATION CO-OP
(WINNEBAGO AVENUE)
BLACK RIVER FALLS, WISCONSIN

DRAWN BY: W.N.
CHECKED BY:
APPROVED BY:
DATE: 11/98
PROJECT NUMBER: 14519670
DNR NO. WDNR 02-27-000426

FIGURE: 1

CAD FILE: fednew570
LEVELS: 1/20/98/11/98/99

F A B N T c B F . . . d



LEGEND

- MONITORING WELL
- SURVEY CONTROL POINT
- BURIED GAS
- BURIED TELEPHONE
- FORMER PUMP HOUSE LOCATION
- GROUNDWATER NAPHTHALENE CONCENTRATION IN ppb
- GROUNDWATER NAPHTHALENE CONTOUR

NOTE:
NR 140 ENFORCEMENT
STANDARDS FOR
NAPHTHALENE IS 40ppb.

CME

**CENTRAL WISCONSIN ENGINEERS
AND ARCHITECTS, INC.**

PHONE: (715)359-8400 FAX: (715)355-4199
5707 SCHOFIELD AVENUE WESTON, WI 54476

PROJECT:

GROUNDWATER NAPHTHALENE
CONTOUR MAP
FEDERATION CO-OP
(WINNEBAGO AVENUE)
BLACK RIVER FALLS, WISCONSIN

DRAWN BY: W.N.

CHECKED BY: *[Signature]*

APPROVED BY: *[Signature]*

DATE: 11/98

PROJECT NUMBER: 14519870

DNR NO. WDR 02-27-000426



FIGURE: 2

CAD FILE: Techw-570
LEVELS: 1/3/12/21/30