

**GWURR Package Cover Sheet**

Name DNR BRF Maintenance Garage

BRRTS # 03-27-000471

Tax Parcel # Jackson Co. # 2062111.0000  
and  
2062211.0100

- Groundwater Use Restriction
- Location map
- Detailed site map
- Groundwater flow/isoconcentration maps
- Geologic cross sections
- Latest table(s) of analytical results (soil results included only if soil deed restriction is incorporated into groundwater use restriction document)
- Closure letter(s)

Declaration of Restrictions

In Re: [Insert legal description of the property as it appears on the most recent deed] SEE ATTACHED EXHIBIT "A"

STATE OF WISCONSIN)

COUNTY OF DANE ) ss  
 ) [County where document is signed]

State of Wisconsin

WHEREAS, Department of Natural Resources the owner of the above-described property.

WHEREAS, one or more petroleum discharges have occurred at this property. Petroleum contaminated groundwater above NR 140 enforcement standards potentially exists on this property at the following location: under the former underground storage tank basin located on the south side of the maintenance building and service shop from which two 10,000 gallon gasoline and diesel fuel tanks were removed in 1990; and soil and bedrock contamination exists at the following locations: (1) under the former underground storage tank basin located on the north side of the maintenance building and service shop from which three gasoline and diesel tanks were removed in 1990, (2) under the former underground storage tank basin located on the south side of the maintenance building and service shop from which two 10,000 gallon gasoline and diesel fuel tanks were removed in 1990, and (3) under the former underground storage tank basin located on the south side, near the southwest corner, of the maintenance building and service shop, from which one waste oil tank was removed in 1992. These locations are shown on the attached map drawing which is part of this document.

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 soil or groundwater 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 groundwater standards within the boundaries of this property.

WHEREAS, construction of wells where the water quality exceeds the drinking water standards in ch. NR 809 is restricted by ch. NR 811 and ch. NR 812. 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, 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.

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.

IN WITNESS WHEREOF, the owner of the property has executed this Declaration of Restrictions, this 19th day of MARCH, 1998.

Signature: Darrell Bassell  
Printed Name: Darrell L. Bassell, Deputy Secretary  
Department of Natural Resources

Subscribed and sworn to before me this 19th day of MARCH, 1998

Karl E. Hansen Karl E. Hansen  
Notary Public, State of Wisconsin  
My commission 11/27/00

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

## EXHIBIT "A"

T 21 N, R 4 W - City of Black River Falls

Section 14 - A part of the North West quarter (NW $\frac{1}{4}$ ) of the South East quarter (SE $\frac{1}{4}$ ) described as follows:

Beginning at the North West corner of the aforesaid quarter-quarter; thence North  $89^{\circ} 48' 45''$  East on the East-West quarter line as retraced from Survey No. 1089 One Thousand One Hundred Forty Nine and Sixty Two Hundredths (1149.62) feet to the Southwesterly right of way line of IH # 94; thence South  $8^{\circ} 05' 55''$  West on the Westerly boundary of land conveyed by the grantors to the State Conservation Department by deed recorded in Volume 174 of Deeds on Page 111 a distance of Seven Hundred Sixty Eight and Twenty Seven Hundredths (768.27) feet; thence South  $21^{\circ} 16' 10''$  West on the said Westerly boundary Fifty Three and Sixty Eight Hundredths (53.68) feet to the North East corner of land conveyed by the grantors to Skelly Oil Company by deed recorded in Vol. 178 of Deeds on page 250 as monumented by Harley A. Sime, R.L.S. in March 1968; thence South  $88^{\circ} 57' 00''$  West on the North boundary of said land as previously monumented a distance of One Thousand Eight and Thirty Nine Hundredths (1008.39) feet to the North-South quarter line of the said Section 14 as previously monumented in Survey No. 1089 (the iron stake set to mark the North West corner of the Skelly land is One and Ten Hundredths (1.10) feet West of quarter line because

or misinterpretation of location of Section Center as explained in a survey map filed in the Register of Deeds office for Jackson County on June 29, 1971, and recorded in Vol. S-1 of certified surveys page 29-32.); thence North  $0^{\circ} 56' 55''$  West Eight Hundred Twenty Five and Fifty Seven Hundredths (825.57) feet to the point of beginning.

Also a part of the South West quarter (SW $\frac{1}{4}$ ) of the North East quarter (NE $\frac{1}{4}$ ) of the aforesaid Section 14 described as follows:

Beginning at the South West corner of the said quarter-quarter; thence North  $0^{\circ} 56' 55''$  West Thirty Five and Ninety Hundredths (35.90) feet to the Southerly right of way line of the Black River Falls spur track of Chicago and Northwestern Railroad as presently fenced; thence North  $63^{\circ} 13' 55''$  East on said right of way line as fenced Six Hundred Thirty Six and Fifty Four Hundredths (636.54) feet; thence continuing on right of way line North  $40^{\circ} 38' 35''$  East Fifty Two (52.00) feet; thence continuing North  $63^{\circ} 13' 55''$  East a distance of One Hundred Fifty Seven and Ninety Hundredths (157.90) feet to the Southwesterly right of way line of IH #94; thence South Forty Three degrees Twenty Six minutes Thirty Five Seconds East (S  $43^{\circ} 26' 35''$  E) (Highway map indicates South  $43^{\circ} 14'$  East) a distance of Five Hundred Ninety One and Seventy Three (591.73) feet to the East-West Quarter line of said Section 14; thence South  $89^{\circ} 48' 45''$  West (Highway map indicates North  $89^{\circ} 25'$  West) on said quarter line One Thousand One Hundred Forty Nine and Sixty Two Hundredths (1149.62) feet to the point of beginning.

## EXHIBIT "A" (cont.)

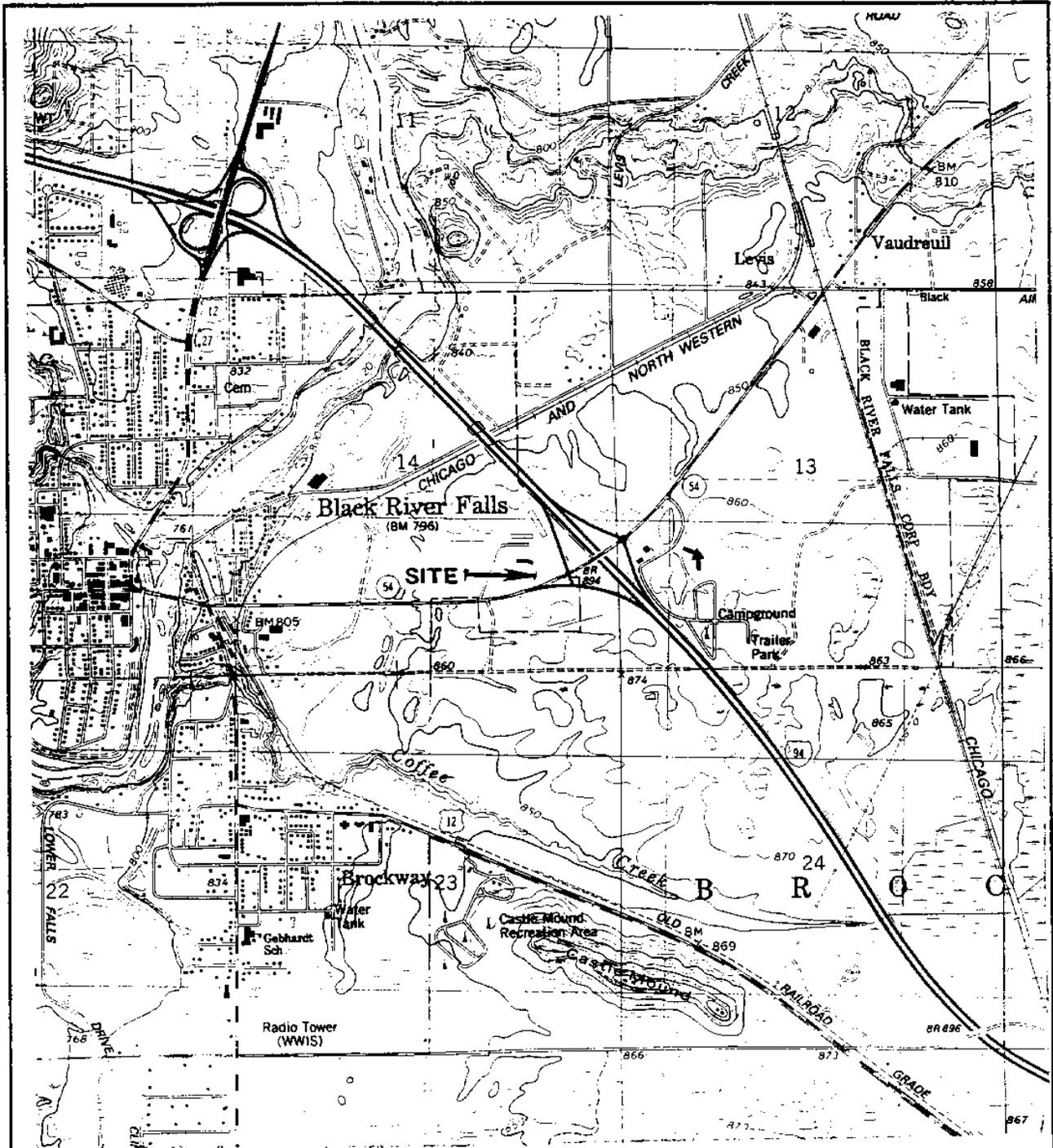
Township 21 North, Range 4 West - City of Black River Falls  
Section 14 - A parcel of land in the SE 1/4 thereof, consisting of all that land in said SE 1/4 of Section 14, lying within the following described traverse: Commencing in said Section 14 on the North and South line at a point located 953.6 feet North of the South quarter corner thereof; thence along a reference line bearing North 89° 25' East 349.35 feet to the point of 1° 30' curve left; thence Northeasterly along said curve 301.45 feet to the point of beginning; thence continuing Northeasterly along said curve 230.0 feet to a point hereinafter referred to as point "A"; thence continuing Northeasterly along said curve 1,536.9 feet; thence North 42° 44' West 1,526.93 feet to the East and West quarter line of said Section 14; thence North 89° 25' West to the Southwest right-of-way line of proposed Interstate Highway 94; thence Southwesterly on a straight line toward the aforesaid point "A" to a point located 900.0 feet Northeast of the aforesaid point "A"; thence Southwesterly on a straight line to the point of beginning.

Excepting from the above described parcel that land and interests to be acquired by the State Highway Commission for highway purposes as shown on right-of-way plat sheet 4.5, dated April 13, 1964, revised October 19, 1964, for Project I 94-2(12)115. Said parcel contains 21.65 acres more or less together with an easement for the right of ingress and egress to said lands.

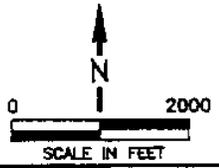
Also Excepting -

Township 21 North, Range 4 West

Section 14: Lot 2 of Jackson County Certified Survey Map No.1523 as recorded in Vol. 7 of Surveys, page 41, Doc. No. 278526, being a part of the NW 1/4 of the SE 1/4.



**BLACK RIVER FALLS QUADRANGLE  
WISCONSIN  
7.5 MINUTE SERIES (TOPOGRAPHIC)**



**FIGURE 1  
SITE LOCATION MAP  
BLACK RIVER FALLS AREA HEADQUARTERS  
DEPARTMENT OF NATURAL RESOURCES  
BLACK RIVER FALLS, WISCONSIN**

PROJECT NO. 10-91-064	PREPARED BY JDD/LS
DATE 7-25-91	REVIEWED BY <i>[Signature]</i>



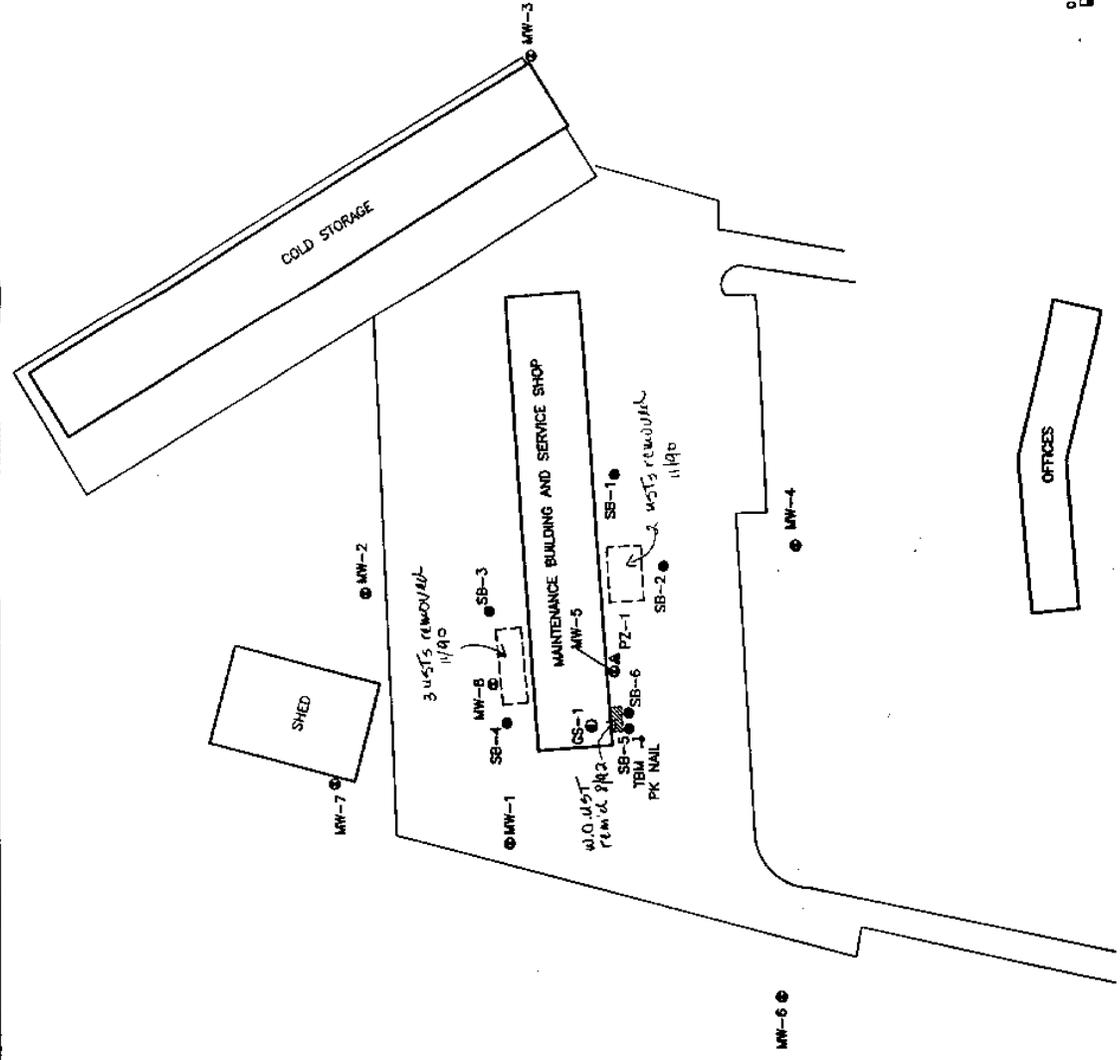
LEGEND:

- MONITORING WELL LOCATIONS
- SOIL BORING LOCATIONS
- ▲ PIEZOMETER LOCATION
- ⊙ GRAB SAMPLE FROM HYDRAULIC LIFT STATION
- ▨ FORMER WASTE OIL TANK LOCATION
- FORMER UNDERGROUND STORAGE TANK BASINS

MONITORING WELL LOCATIONS  
 SOIL BORING LOCATIONS  
 PIEZOMETER LOCATION  
 GRAB SAMPLE FROM HYDRAULIC LIFT STATION  
 FORMER WASTE OIL TANK LOCATION  
 FORMER UNDERGROUND STORAGE TANK BASINS

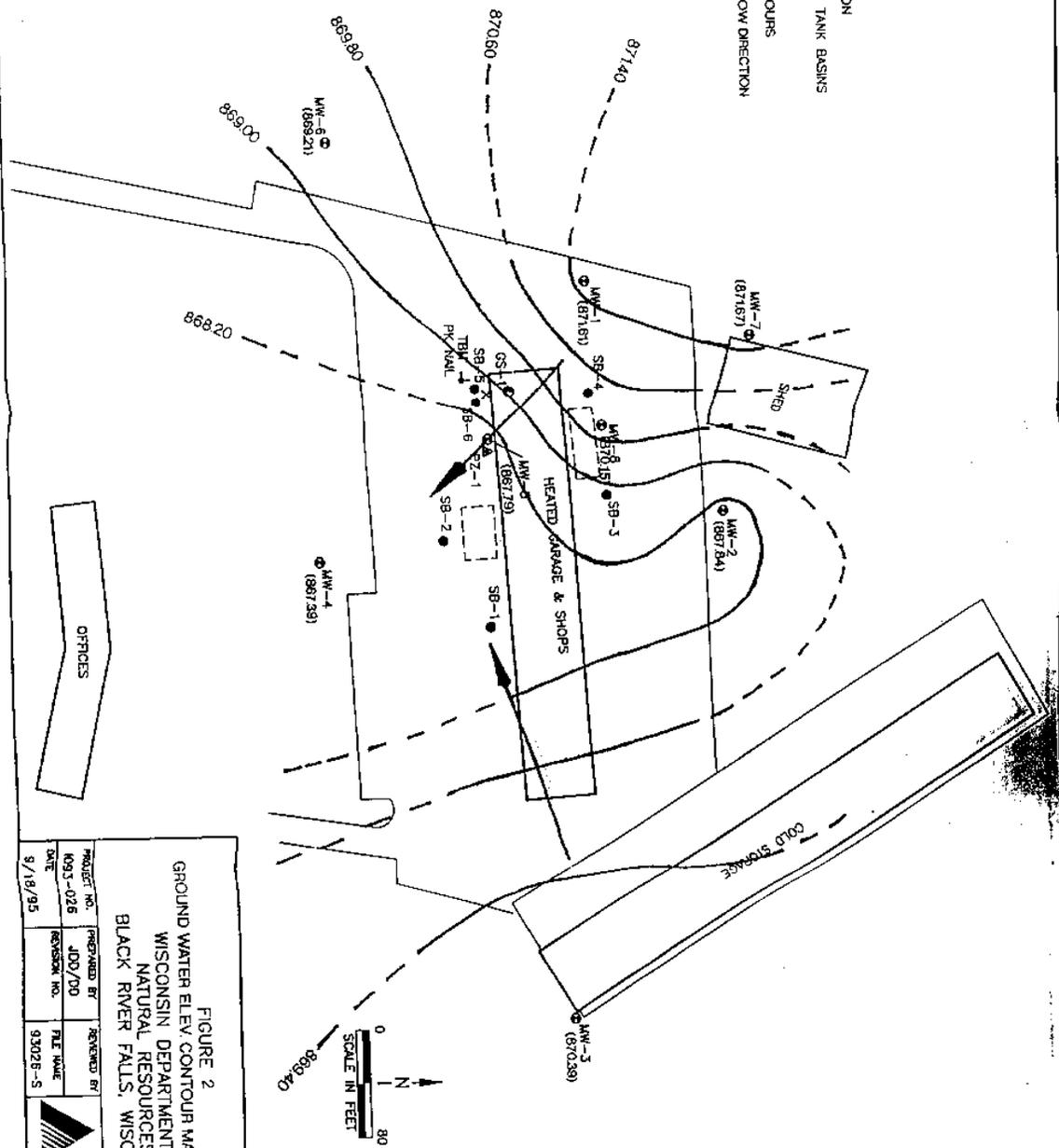
FIGURE 4  
 FORMER UNDERGROUND STORAGE TANK  
 BASIN LOCATIONS  
 WISCONSIN DEPARTMENT OF  
 NATURAL RESOURCES  
 BLACK RIVER FALLS, WISCONSIN

PROJECT NO.	PREPARED BY	DATE
MOJ-006	DO	11/26/97
DATE	REVIEWED BY	FILE NAME
		ES0026-S





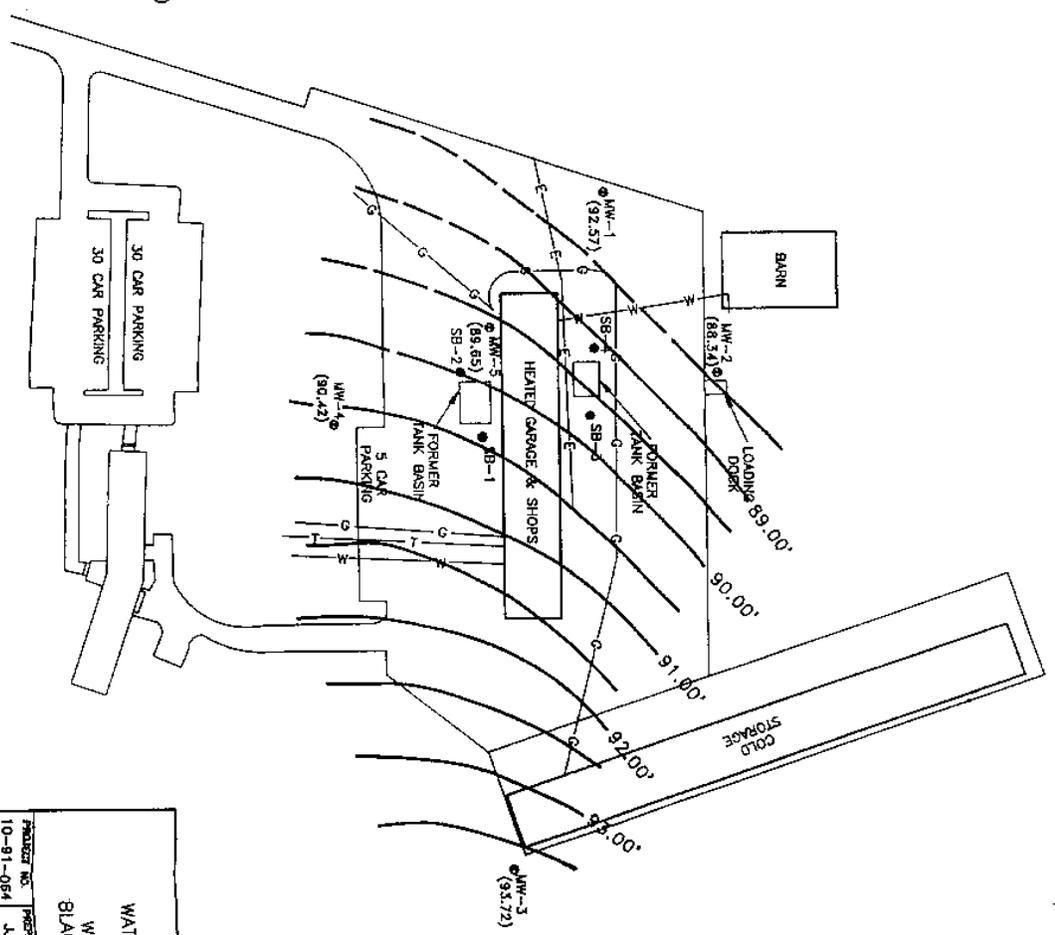
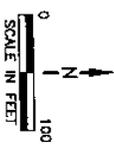
- LEGEND:**
- MONITORING WELL LOCATIONS
  - SOIL BORING LOCATIONS
  - ▲ PIEZOMETER LOCATION
  - GRAB SAMPLE FROM HYDRAULIC LIFT STATION
  - FORMER WASTE OIL TANK LOCATION
  - FORMER UNDERGROUND STORAGE TANK BASINS
  - GROUND WATER ELEVATION (871.61)
  - GROUND WATER ELEVATION (871.40)
  - APPROXIMATE GROUND WATER FLOW DIRECTION



**FIGURE 2**  
 GROUND WATER ELEV. CONTOUR MAP-12/8/95  
 WISCONSIN DEPARTMENT OF  
 NATURAL RESOURCES  
 BLACK RIVER FALLS, WISCONSIN



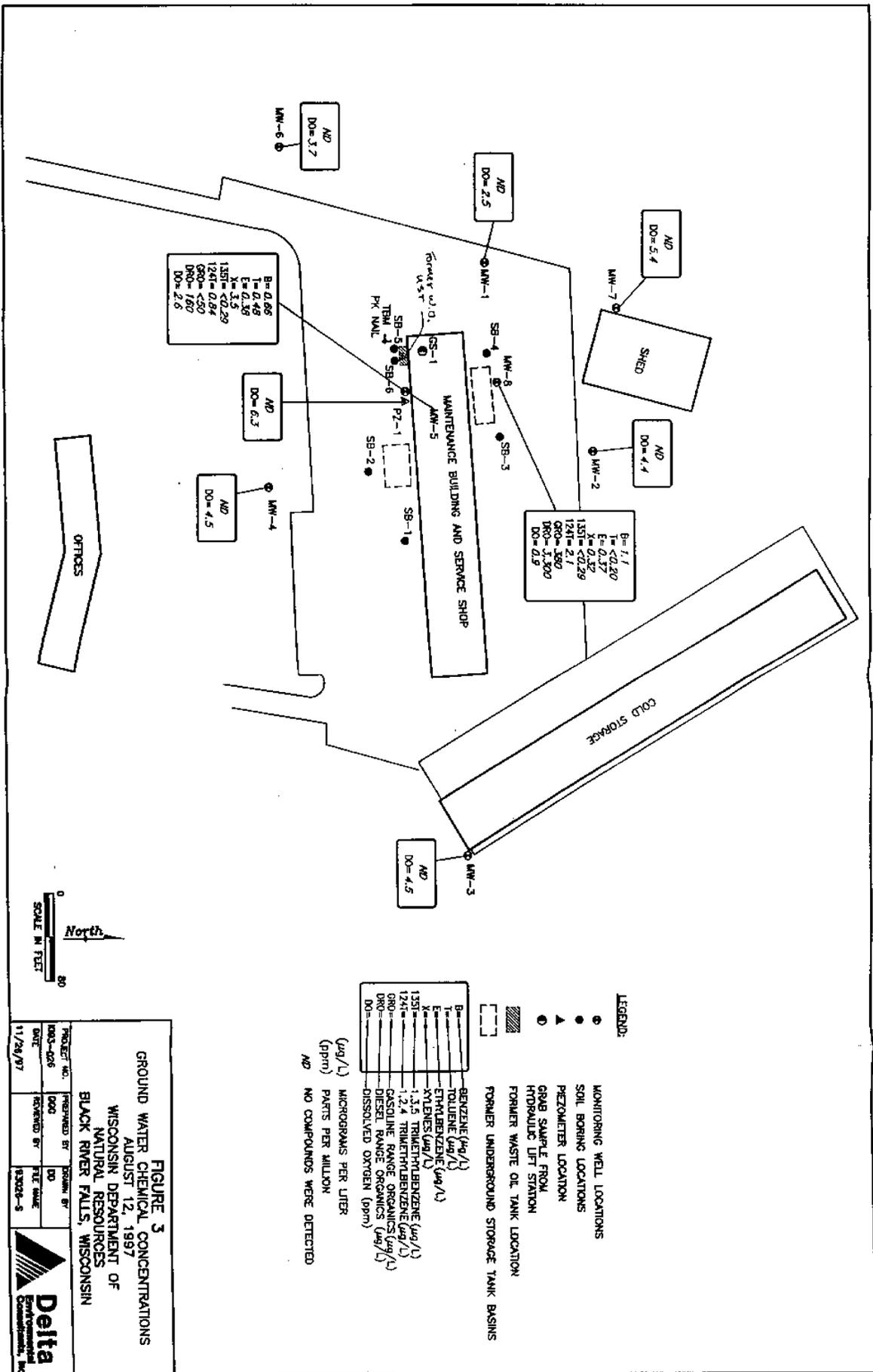
- LEGEND:
- MONITORING WELL LOCATIONS
  - SOIL BORING LOCATIONS
- UTILITIES:
- W — WATER LINE
  - T — TELEPHONE LINE
  - G — GAS LINE
  - E — ELECTRIC LINE
- 89.00' GROUND WATER CONTOUR LINE (10-08-91)  
(92.57) GROUND WATER ELEVATION (IN FEET)



**FIGURE 7**  
**WATER TABLE CONTOUR MAP**  
 OCTOBER 9, 1991  
 WDNR AREA HEADQUARTERS  
 BLACK RIVER FALLS, WISCONSIN

PROJECT NO. 10-81-064	PREPARED BY JLT/LS/ND	REVISION NO. 1500	REVISION BY FILE NAME 91064-2
DATE 11-25-91			

Delta  
 Environmental  
 Consultants, Inc.



**FIGURE 3**  
 GROUND WATER CHEMICAL CONCENTRATIONS  
 AUGUST 12, 1997  
 WISCONSIN DEPARTMENT OF  
 NATURAL RESOURCES  
 BLACK RIVER FALLS, WISCONSIN

PROJECT NO. 1003-026  
 DATE 11/24/97  
 PREPARED BY DD  
 REVIEWED BY 10303-5  
 DRAWN BY DD  
 FILE NAME 10303-5

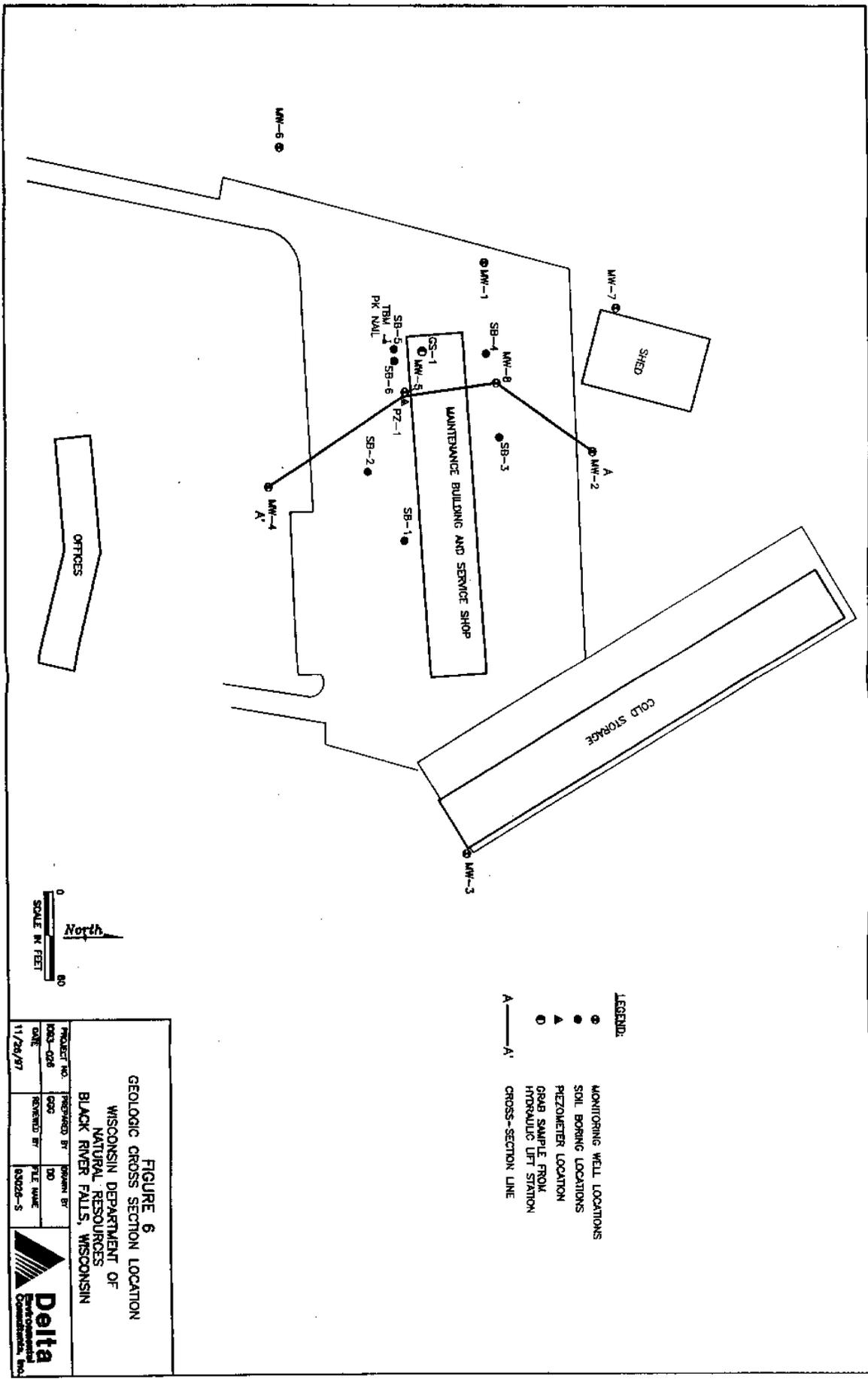
**Delta**  
 Environmental, Inc.

**LEGEND:**

- MONITORING WELL LOCATIONS
- SOIL BORING LOCATIONS
- ▲ PEIZOMETER LOCATION
- GRAB SAMPLE FROM HYDRAULIC LIFT STATION
- FORMER WASTE OIL TANK LOCATION
- ▨ FORMER UNDERGROUND STORAGE TANK BASINS

B=	BENZENE (ug/L)
T=	TOLUENE (ug/L)
E=	ETHYLBENZENE (ug/L)
X=	XYLENES (ug/L)
1,1,2=	1,1,2-TRICHLOROBENZENE (ug/L)
1,2,4=	1,2,4-TRICHLOROBENZENE (ug/L)
GPO=	GASOLINE RANGE ORGANICS (ug/L)
DRO=	DIESEL RANGE ORGANICS (ug/L)
DO=	DISSOLVED OXYGEN (ppm)

(ug/L) MICROGRAMS PER LITER  
 (ppb) PARTS PER BILLION  
 (ppm) NO COMPOUNDS WERE DETECTED

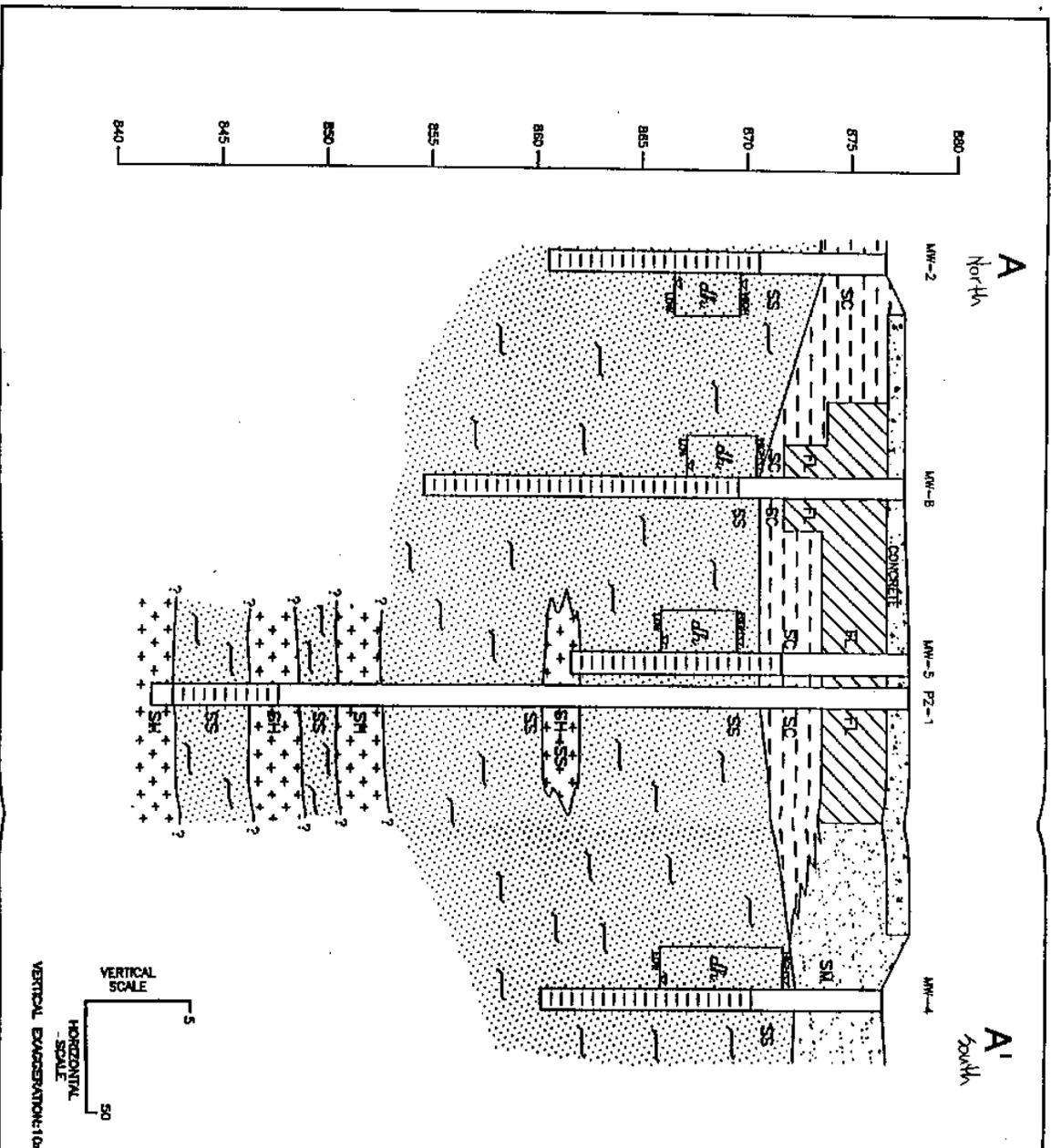


- LEGEND:**
- MONITORING WELL LOCATIONS
  - SOIL BORING LOCATIONS
  - ▲ PEIZOMETER LOCATION
  - GRAB SAMPLE FROM HYDRAULIC LIFT STATION
  - A—A' CROSS-SECTION LINE

**FIGURE 6**  
GEOLOGIC CROSS SECTION LOCATION  
WISCONSIN DEPARTMENT OF  
NATURAL RESOURCES  
BLACK RIVER FALLS, WISCONSIN

PROJECT NO. WDR-028	DESIGNED BY GSP	DRAWN BY DO
DATE 11/28/97	REVIEWED BY R3028-S	FILE NAME R3028-S

**Delta**  
Environmental  
Consultants, Inc.



**FIGURE 7**  
**GEOLOGIC CROSS SECTION A-A'**  
**WDNR AREA HEADQUARTERS,**  
**BLACK RIVER FALLS, WISCONSIN**

PROJECT NO. W-11-026	DESIGNED BY AFC	DRAWN BY JLD	CHECKED BY BWB
DATE 11/18/93	PROJECT BY DO	FILE NAME W-11-026-01	SCALE AS SHOWN

**Delta**  
Environmental  
Consultants

- LEGEND:**
- MONITORING WELL
  - SCREENED INTERVAL
  - ZONE OF FLUCTUATING WATER TABLE
  - FILL
  - SANDY CLAY
  - SAND, FINE TO COARSE GRAINED WITH SOME SILT
  - SANDSTONE WITH SOME SHALE PARTINGS
  - SHALE

**TABLE 2**

**Summary of Analytical Results  
Black River Falls Area HQ  
Wisconsin Department of Natural Resources  
Black River Falls, Wisconsin  
Delta No. 10-91-064**

**SOIL SAMPLES**

**North Tank Basin**

<u>Sample Location</u>		<u>TPH as Diesel Fuel (mg/kg)</u>
Tank No. 1 - 12 feet bgs - East	5000 gal - diesel	31.3
Tank No. 2 - 9 feet bgs - South	1500 gal - white gas	789
Tank No. 2 - Sidewall - North	"	12.6
Tank No. 2 - Sidewall - South	"	11.9
Tank No. 3 - 8 feet bgs - South	280 gal - marine gas	1,020
Tank No. 3 - 9 feet bgs - West	"	1,380

**South Tank Basin**

<u>Sample Location</u>	<u>TPH as Gasoline (mg/kg)</u>		<u>TPH as Diesel Fuel (mg/kg)</u>
Tank No. 1 - 11 feet bgs - East	10,000 gals	1,540	u/L NA
Tank No. 1 - 11 feet bgs - West	"	5,800	" NA
Tank No. 2 - 11 feet bgs - East	10,000 gals	NA	diesel 3,560
Tank No. 2 - 11 feet bgs - West	"	NA	" 6,060
South Sidewall - 8 feet bgs		NA	ND
East Sidewall - 7 feet bgs		NA	1.02
North Sidewall - 7 feet bgs		187	NA
West Sidewall - 8 feet bgs		603	NA

**GROUND WATER SAMPLES** *well?*

<u>Sample Location</u>	<u>Benzene</u>	<u>Toluene</u>	<u>Ethylbenzene</u>	<u>M and P Xylene</u>	<u>O Xylene</u>
South Basin	ND	ND	ND	1.15	2.48
North Basin	123	104	26	87.9	70.4

- TPH = total petroleum hydrocarbons
- bgs = below the ground surface
- All soil sample results reported in milligrams per kilogram
- All ground water sample results reported in micrograms per liter
- NA = not analyzed
- ND = not detected above laboratory method detection limits

TABLE 2  
Ground Water Analytical Results  
WDNR Black River Falls Area Headquarters  
Delta No. 1093-026-1

MW-1														
Date mm/dd/yy	Benzene (ug/L)	Toluene (ug/L)	E-benzene (ug/L)	Xylenes (ug/L)	1,3,5-TM (ug/L)	1,2,4-TMB (ug/L)	Naphthalene (ug/L)	GRO (ug/L)	DRO (ug/L)	MTBE (ug/L)	Chrysene (ug/L)	Fluoranthene (ug/L)	Fluorene (ug/L)	Phenanthrene (ug/L)
PAL (ug/L)	5	68.6	140	124	10*	10*	40	300*	300*	12	0.02*	80*	80	10
ES (ug/L)	5	343	700	620	50*	50*	40	3000*	3000*	50	0.2*	400*	400	5
06/11/92	<0.4	<0.5	<0.8	<1.3	<0.7	<0.7	<1.6	<50	<100	<1.0	<0.02*	<80*	<80	<10
09/16/92	<0.4	<0.5	<0.8	<1.3	<0.7	<0.7	<1.6	<50	520	<1.0	<0.02*	<80*	<80	<10
08/24/94	<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	NA	<50	<100	<1.0	<0.02*	<80*	<80	<10
11/17/94	<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	NA	<50	<100	<1.0	<0.02*	<80*	<80	<10
02/23/95	<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	NA	<50	<100	<1.0	<0.02*	<80*	<80	<10
05/17/95	<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	NA	<50	<100	<1.0	<0.02*	<80*	<80	<10
08/09/95	<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	NA	<50	NA	<1.0	<0.02*	<80*	<80	<10
12/08/95	<0.5	<1.0	<1.0	<3.0	<1.0	<1.0	NA	<50	<100	<1.0	<0.02*	<80*	<80	<10
02/02/96	<0.5	<1.0	<1.0	<3.0	<1.0	<1.0	NA	<50	<100	<1.0	<0.02*	<80*	<80	<10
05/07/96	<0.5	<1.0	<1.0	<3.0	<1.0	<1.0	NA	<50	<100	<1.0	<0.02*	<80*	<80	<10
08/20/96	<0.5	<1.0	<1.0	<3.0	<1.0	<1.0	NA	<50	<100	<1.0	<0.02*	<80*	<80	<10
05/01/97	<0.13	<0.20	<0.22	<0.23	<0.29	<0.22	NA	<50	<100	<0.16	<0.021	<400	<400	<0.025
08/12/97	<0.13	<0.20	<0.22	<0.23	<0.29	<0.22	NA	<50	<100	<0.16	<0.021	<400	<400	<0.025

MW-2														
Date mm/dd/yy	Benzene (ug/L)	Toluene (ug/L)	E-benzene (ug/L)	Xylenes (ug/L)	1,3,5-TM (ug/L)	1,2,4-TMB (ug/L)	Naphthalene (ug/L)	GRO (ug/L)	DRO (ug/L)	MTBE (ug/L)	Chrysene (ug/L)	Fluoranthene (ug/L)	Fluorene (ug/L)	Phenanthrene (ug/L)
PAL (ug/L)	0.5	68.6	140	124	10*	10*	40	300*	300*	12	0.02*	80*	80	10
ES (ug/L)	5	343	700	620	50*	50*	40	3000*	3000*	50	0.2*	400*	400	5
06/11/92	130	<1.2	<1.5	23	2.2	4.1	14	250	<100	<2.0	<0.02*	<80*	<80	<10
09/16/92	2.3	<0.5	<1.3	<1.3	<0.7	<0.7	<1.6	<50	790	<1.0	<0.02*	<80*	<80	<10
08/24/94	<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	NA	<50	<100	<1.0	<0.02*	<80*	<80	<10
11/17/94	21	<1.0	<1.0	3.2	<1.0	<1.0	NA	<50	<100	<1.0	<0.02*	<80*	<80	<10
02/23/95	72	<1.0	<1.0	10	<2.0	<1.0	NA	120	<100	1.4	<0.02*	<80*	<80	<10
05/17/95	<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	NA	<50	<100	<1.0	<0.02*	<80*	<80	<10
08/09/95	95	<1.0	<1.0	14	<1.0	2.0	NA	200	130	<2.0	<0.02*	<80*	<80	<10
12/08/95	100	<1.0	<1.0	8.8	<1.0	<1.0	NA	230	<100	<1.0	<0.02*	<80*	<80	<10
02/02/96	82	<1.0	<1.0	10	<1.0	1.1	NA	150	<100	<5.0	<0.02*	<80*	<80	<10
05/07/96	<0.5	<1.0	<1.0	<3.0	<1.0	<1.0	NA	<50	<100	<1.0	<0.02*	<80*	<80	<10
08/20/96	<0.5	<1.0	<1.0	<3.0	<1.0	<1.0	NA	<50	<100	<1.0	<0.02*	<80*	<80	<10
05/01/97	<0.13	<0.20	<0.22	<0.23	<0.29	<0.22	NA	<50	160	<0.16	<0.021	<400	<400	<0.025
08/12/97	<0.13	<0.20	<0.22	<0.23	<0.29	<0.22	<0.31	<50	<100	<0.16	<0.021	<400	<400	<0.025

TABLE 2  
Ground Water Analytical Results  
WDNR Black River Falls Area Headquarters  
Delta No. 1693-036-1

MW-3	Date mm/dd/yy	Benzene (ug/L)	Toluene (ug/L)	E-benzene (ug/L)	Xylenes (ug/L)	1,3,5-TM (ug/L)	1,2,4-TMB (ug/L)	Naphthalene (ug/L)	GRO (ug/L)	DRO (ug/L)	MTBE (ug/L)	Anthracene (ug/L)	Benzo(a)anthra- cene (ug/L)	Benzo(a) pyrene (ug/L)	Chrysene (ug/L)	Fluoranthene (ug/L)	Fluorene (ug/L)	Phenanthrene (ug/L)
	PAL (ug/L)	5	68.6	140	124	10*	10*	8	50	100	12	600*	0.02	0.02	0.02*	80	80	
	ES (ug/L)	5	343	700	620	50*	50*	40	50*	100	60	3000*	0.2	0.2	0.2*	400*	400	
	06/11/92	<0.4	<0.6	<0.8	<1.3	<0.7	<0.7	<1.6	<50	<100	<1.0							
	09/16/92	<0.4	<0.6	<0.8	<1.3	<0.7	<0.7	<1.6	<50	130	<1.0							
	08/24/94	<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	NA	<50	<100	<1.0							
	11/17/94	<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	NA	<50	<100	<1.0							
	02/23/95	<1.0	<1.0	<1.0	<3.0	<2.0	<1.0	NA	<50	<100	<1.0							
	05/17/95	<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	NA	<50	<100	<1.0							
	08/09/95	<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	NA	<50	NA	<1.0							
	12/08/95	<0.5	<1.0	<1.0	<3.0	<1.0	<1.0	NA	<50	<100	<1.0							
	02/02/96	<0.5	<1.0	<1.0	<3.0	<1.0	<1.0	NA	<50	<100	<1.0							
	05/07/96	<0.5	<1.0	<1.0	<3.0	<1.0	<1.0	NA	<50	110	<1.0							
	08/20/96	<0.5	<1.0	<1.0	<3.0	<1.0	<1.0	NA	<50	110	<1.0							
	05/01/97	<0.13	<0.20	<0.22	<0.23	<0.29	<0.22	NA	<50	870	<0.16	<0.020	<0.032	<0.063	<0.021	<0.060	<0.075	<0.025
	08/12/97	<0.13	<0.20	<0.22	<0.23	<0.29	<0.22	NA	<50	<100	<0.16	<0.020	<0.032	<0.063	<0.021	<0.060	<0.075	<0.025

MW-4	Date mm/dd/yy	Benzene (ug/L)	Toluene (ug/L)	E-benzene (ug/L)	Xylenes (ug/L)	1,3,5-TM (ug/L)	1,2,4-TMB (ug/L)	Naphthalene (ug/L)	GRO (ug/L)	DRO (ug/L)	MTBE (ug/L)
	PAL (ug/L)	5	68.6	140	124	10*	10*	8	50	100	12
	ES (ug/L)	5	343	700	620	50*	50*	40	50*	100	60
	06/11/92	<0.4	<0.6	<0.8	<1.3	<0.7	<0.7	<1.6	<50	<100	<1.0
	09/16/92	<0.4	<0.6	<0.8	<1.3	<0.7	<0.7	<1.6	<50	<100	<1.0
	08/24/94	<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	NA	<50	<100	<1.0
	11/17/94	2.6	<1.0	<1.0	<3.0	<1.0	1.8	NA	<50	<100	<1.0
	02/23/95	<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	NA	150	130	<1.0
	05/17/95	<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	NA	<50	<100	<1.0
	08/09/95	<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	NA	<50	<100	<1.0
	12/08/95	<0.5	<1.0	<1.0	<3.0	<1.0	<1.0	NA	<50	<100	<1.0
	02/02/96	<0.5	<1.0	<1.0	<3.0	<1.0	<1.0	NA	<50	<100	<1.0
	05/07/96	<0.5	<1.0	<1.0	<3.0	<1.0	<1.0	NA	<50	<100	<1.0
	08/20/96	<0.5	<1.0	<1.0	<3.0	<1.0	<1.0	NA	<50	<100	<1.0
	05/01/97	<0.13	<0.20	<0.22	<0.23	<0.29	<0.22	NA	<50	<100	<0.16
	08/12/97	<0.13	<0.20	<0.22	<0.23	<0.29	<0.22	NA	<50	<100	<0.16

TABLE 2  
Ground Water Analytical Results  
WDNR Black River Falls Area Headquarters  
Delta No. 1093-026-1

MW-5	Date	Benzene (ug/L)	Toluene (ug/L)	E-benzene (ug/L)	Xylenes (ug/L)	1,3,5-TM (ug/L)	1,2,4-TMB (ug/L)	Naphthalene (ug/L)	GRO (ug/L)	DRO (ug/L)	MTBE (ug/L)	Anthracene (ug/L)	Benzo(a)anthracene (ug/L)	Benzo(a)pyrene (ug/L)	Chrysene (ug/L)	Fluoranthene (ug/L)	Fluorene (ug/L)	Phenanthrene (ug/L)
	PAL (ug/L)	0.5	68.6	140	124	10*	10*	8	17000	1900	12	600*	0.02	0.02	0.02*	80	80	*
	ES (ug/L)	5	343	700	620	50*	50*	40	3000*	60	3000*	0.2*	0.2	0.2*	400*	400	400	*
	06/11/92	460	3300	920	3900	790	910	320	17000	1900	<100							
	09/16/92	580	4200	930	4200	190	880	500	38000	3000	<250							
	08/24/94	5.9	<1.0	1	<3.0	<1.0	1.2	NA	<50	140	<1.0							
	11/17/94	28	250	71	310	11	55	NA	1200	630	<1.0							
	02/23/95	540	5000	1600	6800	330	1500	NA	22000	1900	<20							
	05/17/95	4.2	<1.0	<1.0	<3.0	<1.0	<1.0	NA	<50	440	<5.0							
	08/08/95	85	630	220	950	50	200	NA	3300	880	<5.0							
	12/08/95	5.7	3.5	2.6	9.2	<2.0	1.3	NA	64	<100	<1.0							
	02/02/96	170	1300	640	3200	190	760	NA	10000	790	<100							
	05/07/96	2.2	<1.0	<1.0	<3.0	<1.0	<1.0	NA	<50	510	<1.0							
	08/20/96	25	350	390	1400	130	400	NA	5100	1100	<5							
	05/01/97	1.4	0.23	<0.22	0.73	<0.29	0.52	NA	<50	170	<0.16							
	08/12/97	0.66	0.48	0.38	3.5	<0.29	0.84	<0.31	<50	160	<0.16	<0.020	<0.032	<0.063	<0.021	<0.060	<0.075	<0.025

MW-5	Date	Benzene (ug/L)	Toluene (ug/L)	E-benzene (ug/L)	Xylenes (ug/L)	1,3,5-TM (ug/L)	1,2,4-TMB (ug/L)	Naphthalene (ug/L)	GRO (ug/L)	DRO (ug/L)	MTBE (ug/L)
	PAL (ug/L)	0.5	68.6	140	124	10*	10*	8	17000	1900	12
	ES (ug/L)	5	343	700	620	50*	50*	40	3000*	60	3000*
	06/11/92	<0.4	<0.6	<0.8	<1.3	<0.7	<0.7	<1.8	<50	130	<1.0
	09/16/92	<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	NA	<50	300	<1.0
	08/24/94	<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	NA	<50	<100	<1.0
	11/17/94	<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	NA	<50	<100	<1.0
	02/23/95	<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	NA	<50	<100	<1.0
	05/17/95	<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	NA	<50	<100	<1.0
	08/08/95	<0.5	<1.0	<1.0	<3.0	<1.0	<1.0	NA	<50	NA	<1.0
	12/08/95	<0.5	<1.0	<1.0	<3.0	<1.0	<1.0	NA	<50	<100	<1.0
	02/02/96	<0.5	<1.0	<1.0	<3.0	<1.0	<1.0	NA	<50	<100	<1.0
	05/07/96	<0.5	<1.0	<1.0	<3.0	<1.0	<1.0	NA	<50	<100	<1.0
	08/20/96	<0.5	<1.0	<1.0	<3.0	<1.0	<1.0	NA	<50	<100	<1.0
	05/01/97	<0.13	<0.20	<0.22	<0.23	<0.29	<0.22	NA	<50	<100	<0.16
	08/12/97	<0.13	<0.20	<0.22	<0.23	<0.29	<0.22	NA	<50	<100	<0.16

TABLE 2  
Ground Water Analytical Results  
WDNR Black River Falls Area Headquarters  
Delta No. 1093-016-1

MW-7														
Date	Benzene (ug/L)	Toluene (ug/L)	E-benzene (ug/L)	Xylenes (ug/L)	1,3,5-TM (ug/L)	1,2,4-TMB (ug/L)	Naphthalene (ug/L)	GRO (ug/L)	DRO (ug/L)	MTBE (ug/L)	Chrysene (ug/L)	Fluoranthene (ug/L)	Fluorene (ug/L)	Phenanthrene (ug/L)
mm/dd/yy	PAL (ug/L)	ES (ug/L)	PAL (ug/L)	ES (ug/L)	PAL (ug/L)	ES (ug/L)	PAL (ug/L)	ES (ug/L)	PAL (ug/L)	ES (ug/L)	PAL (ug/L)	ES (ug/L)	PAL (ug/L)	ES (ug/L)
06/11/92	<0.5	343	<0.6	<1.3	<0.7	<0.7	<1.6	<50	<100	<1.0	<0.02*	<80*	<80	<0.2
09/16/92	<0.4	<0.6	<0.8	<1.3	<0.7	<0.7	<1.6	<50	180	<1.0	<0.02*	<80*	<80	<0.2
08/24/94	<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	NA	<50	<100	<1.0	<0.02*	<80*	<80	<0.2
11/17/94	<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	NA	<50	<100	<1.0	<0.02*	<80*	<80	<0.2
02/23/95	<1.0	<1.0	<1.0	<3.0	<2.0	<1.0	NA	<50	<100	<1.0	<0.02*	<80*	<80	<0.2
05/17/95	<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	NA	<50	<100	<1.0	<0.02*	<80*	<80	<0.2
08/09/95	<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	NA	<50	NA	<1.0	<0.02*	<80*	<80	<0.2
12/08/95	<0.5	<1.0	<1.0	<3.0	<1.0	<1.0	NA	<50	<100	<1.0	<0.02*	<80*	<80	<0.2
02/02/96	<0.5	<1.0	<1.0	<3.0	<1.0	<1.0	NA	<50	<100	<1.0	<0.02*	<80*	<80	<0.2
05/07/96	<0.5	<1.0	<1.0	<3.0	<1.0	<1.0	NA	<50	<100	<1.0	<0.02*	<80*	<80	<0.2
08/20/96	<0.5	<1.0	<1.0	<3.0	<1.0	<1.0	NA	<50	<100	<1.0	<0.02*	<80*	<80	<0.2
05/01/97	<0.13	<0.20	<0.22	<0.23	<0.29	<0.22	NA	<50	<100	<0.16	<0.02*	<80*	<80	<0.2
08/12/97	<0.13	<0.20	<0.22	<0.23	<0.29	<0.22	NA	<50	<100	<0.16	<0.02*	<80*	<80	<0.2

MW-8														
Date	Benzene (ug/L)	Toluene (ug/L)	E-benzene (ug/L)	Xylenes (ug/L)	1,3,5-TM (ug/L)	1,2,4-TMB (ug/L)	Naphthalene (ug/L)	GRO (ug/L)	DRO (ug/L)	MTBE (ug/L)	Chrysene (ug/L)	Fluoranthene (ug/L)	Fluorene (ug/L)	Phenanthrene (ug/L)
mm/dd/yy	PAL (ug/L)	ES (ug/L)	PAL (ug/L)	ES (ug/L)	PAL (ug/L)	ES (ug/L)	PAL (ug/L)	ES (ug/L)	PAL (ug/L)	ES (ug/L)	PAL (ug/L)	ES (ug/L)	PAL (ug/L)	ES (ug/L)
08/11/92	970	390	420	1100	170	470	290	5300	1600	<10	<0.02*	<80*	<80	<0.2
09/16/92	12	<3.0	21	36	20	91	150	1600	110000	<5.0	<0.02*	<80*	<80	<0.2
08/24/94	<100	<100	<100	<300	<100	<100	NA	<5000	3200	<100	<0.02*	<80*	<80	<0.2
11/17/94	190	190	260	830	43	220	NA	2700	2100	<20	<0.02*	<80*	<80	<0.2
02/23/95	7.9	1.7	4.5	10	<5.0	3.8	NA	110	5100	<1.0	<0.02*	<80*	<80	<0.2
05/17/95	31	14	25	62	3.7	21	NA	350	5	<1.0	<0.02*	<80*	<80	<0.2
08/09/95	23	23	40	110	4.3	25	NA	440	NA	<1.0	<0.02*	<80*	<80	<0.2
12/08/95	6	2.3	<2.0	<6.0	<2.0	4.3	NA	230	14000	<1.0	<0.02*	<80*	<80	<0.2
02/02/96	59	22	58	110	<30	26	NA	530	660	<5.0	<0.02*	<80*	<80	<0.2
05/07/96	6.3	4.2	1	<3.0	<1.0	4.2	NA	180	8200	<1.0	<0.02*	<80*	<80	<0.2
08/20/96	2.5	<1.0	<1.0	<3.0	<1.0	1.7	NA	160	2300	<1.0	<0.02*	<80*	<80	<0.2
05/01/97	4.8	0.32	1.6	2.2	2.0	8.5	NA	340	71000	<0.16	<0.02*	<80*	<80	<0.2
08/12/97	1.1	<0.20	0.37	0.32	<0.29	2.1	<0.31	380	3300	<0.16	<0.02*	<80*	<80	<0.2

TABLE 2  
Ground Water Analytical Results  
WDNR Black River Falls Area Headquarters  
Delta No. 1093-026-1

PZ-1 Date mm/dd/yy	Benzene	Toluene	E-benzene	Xylenes	1,3,5-TM	1,2,4-TMB	Naphthalene	GRO	DRO	MTBE
	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)
PAL	0.5	68.6	140	124	10*	10*	40	50	50	12
ES (ug/L)	5	343	700	620	50*	50*	40	50*	50	12
06/11/92	8	5.7	5.7	20	1.2	2.5	<1.6	73	<100	<1.0
09/16/92	<0.4	<0.8	<0.8	<1.3	<0.7	<0.7	<1.6	<50	340	<1.0
08/24/94	<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	NA	<50	<100	<1.0
11/17/94	<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	NA	<50	<100	<1.0
02/23/95	<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	NA	<50	<100	<1.0
05/17/95	<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	NA	<50	<100	<1.0
08/09/95	<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	NA	<50	<100	<1.0
12/08/95	<0.5	<1.0	<1.0	<3.0	<1.0	<1.0	NA	<50	<100	<1.0
02/02/96	<0.5	<1.0	<1.0	<3.0	<1.0	<1.0	NA	<50	<100	<1.0
05/07/96	<0.5	<1.0	<1.0	<3.0	<1.0	<1.0	NA	<50	<100	<1.0
08/20/96	<0.5	<1.0	<1.0	<3.0	<1.0	<1.0	NA	<50	<100	<1.0
05/01/97	<0.13	<0.20	<0.22	<0.23	<0.29	<0.22	NA	<50	<100	<0.16
08/12/97	<0.13	<0.20	<0.22	<0.23	<0.29	<0.22	NA	<50	<100	<0.16

NOTES:  
ES = WAC, Ch. NR 140 Enforcement Standards (Shaded values exceed ES) (Rev. 10/96)  
PAL = WAC, Ch. NR 140 Preventive Action Limit  
\* = Proposed WAC, Ch. NR 140 Enforcement Standards and Preventive Action Limits  
1, 3, 5-TMB = 1, 3, 5-Trimethylbenzene  
1, 2, 4-TMB = 1, 2, 4-Trimethylbenzene  
E-benzene = Ethylbenzene  
ug/L = Micrograms per liter  
NA = Not analyzed  
D = Duplicate



## State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

Tommy G. Thompson, Governor  
George E. Meyer, Secretary  
Scott A. Humrickhouse, Regional Director

West Central Region Headquarters  
1300 W. Clairemont Avenue  
PO Box 4001  
Eau Claire, Wisconsin 54702-4001  
TELEPHONE 715-839-3700  
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TDD 715-839-2786

February 20, 1998

COPY

Mr. Chris Rehlinger  
Wisconsin Department of Natural Resources  
Facilities and Lands  
P.O. Box 7921  
Madison, WI 53707-7921

SUBJECT: Petroleum Contamination Cleanup at DNR Maintenance Shop, Black River Falls  
DNR #03-27-000471

Dear Mr. Rehlinger:

On December 28, 1990, the Department of Natural Resources (DNR) Leaking Underground Storage Tank Program provided a notice to the DNR property management program that the degree and extent of petroleum contamination at the above-named site was required to be investigated and remedied. We have since been informed that the required work has been completed. On February 5, 1998, the above-named site was reviewed by the West Central Region Closeout Committee for a determination as to whether or not the case qualified for close out under ch. NR 726, Wis. Adm. Code. Based on the documentation provided to the Department, it appears that the petroleum contamination at the above-named site has been addressed in compliance with the requirements of chs. NR 700 to 724, Wis. Adm. Code. Therefore, the Department considers the case "closed," having determined that no further action is necessary to protect groundwater or human health.

However, due to the presence of residual contamination remaining at the site, a condition of the closeout is that the owner complete, sign and record a deed notification and groundwater use restriction for the property within 60 days after receipt of this letter. For your convenience, I am enclosing a draft form for the notification, with the areas of residual soil/bedrock contamination and potential groundwater contamination described. The property description information and information required in other blanks should be inserted and a draft returned to me for DNR Remediation & Redevelopment Program review. A site map with the areas of residual contamination indicated is to be attached to and considered a part of the deed instrument. Following DNR R&R review, the final draft is to be filed by the property owner with the County Register of Deeds. To document that this condition has been met, the property owner must submit to the DNR R&R program a copy of the recorded deed notification, with the recording information stamped on it.

Also, prior to our final closure of this activity on our tracking system, the monitoring wells must be properly abandoned in accordance with WAC NR141 and the abandonment forms submitted to me.

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*Quality Natural Resources Management  
Through Excellent Customer Service*



Wisc. Dept. of Natural Resources - Black River Falls Maintenance Shop  
02/20/98, Page 2

The Department appreciates the actions you have undertaken to protect human health and the environment. If you have any questions, please feel free to call me at (715) 839-3824.

Sincerely,

Eileen Kramer  
Hydrogeologist

c: George Garneau, Jr., Delta Environmental, Inc.