

To: Larry Lester, SCR

From: Linda Hanefeld  
Dodgeville  
608-935-1948

Re: Groundwater Use Restriction  
GIS Registry Data

Site Name/Address:

WDOT-DAUL Industries

STH 14

Richland Center

BRRTS #:

02-53-001686

Date of Closure Decision:

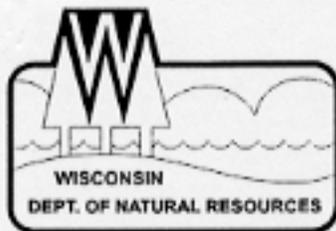
84-8-31-98

11-3-5-99

GPS Locational Data: needed

Packet Contains:

1. Closure Letter
2. All property deeds with 140 ES exceedances
3. GPS data for each affected property
4. General location map
5. Detailed location map, showing all parcels affected by 140 ES exceedances, property boundaries, buildings, etc.
6. Latest map showing gw flow direction, MW, potable wells. [optional: Isoconcentration maps of compounds =>ES]
7. Latest map showing extent or outline of contamination plume and gw flow direction.
8. Latest table of analytical results.
9. metes, bounds legal
10. tax parcel #
11. X-section



State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

Tommy G. Thompson, Governor  
George E. Meyer, Secretary  
Ruthe E. Badger, Regional Director

South Central Region Headquarters  
3911 Fish Hatchery Road  
Fitchburg, Wisconsin 53711-5397  
Telephone 608-275-3266  
FAX 608-275-3338  
TDD 608-275-3231

March 5, 1999

File Ref.: 02-53-001686

Bob Pearson  
Wisconsin Department of Transportation  
4802 Sheboygan Avenue, Room 451  
PO Box 7916  
Madison, WI 53707-7916

Subject: Final Closure for WisDOT Former Daul Industries Property, USH 14, Richland Center

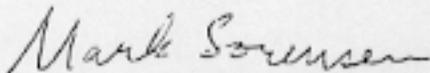
Dear Mr. Pearson:

On August 24, 1998, the above-named site was routed to the South Central Regional Closeout Committee members for review to determine whether or not the case qualified for close out under ch. NR 726, Wisconsin Administrative Code. The South Central Regional Closeout Committee had closed soils at this site on December 10, 1996. On August 31, 1998, the Department sent a letter indicating that the site was granted conditional closure with a groundwater use restriction, on condition of proper abandonment of the site monitoring wells and piezometers. Final closure was to be granted after the Department received 1) the well abandonment forms for the site monitoring wells, and 2) confirmation of filing of the groundwater use restriction with the Richland County Register of Deeds Office. Both items have been received by the Department. Thus this letter serves as your notification that the Department considers this case closed.

No further action is necessary at the site at this time. However, the case may be reopened pursuant to s. NR 726.09, Wis. Admin. 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 feel free to call me at the number below.

Sincerely,

  
Mark Sorensen, Hydrogeologist  
Remediation and Redevelopment Program  
(608) 275-3224

cc: Chris Krause, RMT Inc., PO Box 8923, Madison, WI 53708-8923  
Bob Swartz, DOT District 5, 3550 Mormon Coulee Road, La Crosse, WI 54601  
Kevin Gehrman, DOT, Room 751, PO Box 7965, Madison, WI 53707-7965

*Quality Natural Resources Management  
Through Excellent Customer Service*



GROUNDWATER USE RESTRICTION

Declaration of Restrictions

In Re:

A parcel of land in the NE1/4 - SW1/4, and NW1/4 - SW1/4, of Section 21, T10N, R1E Richland County, Wisconsin. Also being parts of Lot 51 and Lot 52 of the Assessor's Plat of the City of Richland Center.

Parcel in said Section 21 being described as Lot 1 in Document #229458, Volume 2 of Certified Survey Maps, Pages 253 & 254 as recorded at the Richland County Register of Deeds Office, included in this document as Attachment A.

Also included is any part of the abandoned corridor of the Cazenovia & Southwestern Railway that lies in the aforementioned Lot 1 and is not currently used for highway purposes.

Said parcel contains 3.48 acres, more or less.

VOL 303 PAGE 464

**RECORDED**

AT 10:15 O'CLOCK A.M.

FEB 17 1999

VOL 303 OF RECORDS PAGE 464 - 468

REGISTER OF DEEDS  
RICHLAND COUNTY, WISCONSIN

BY *[Signature]*

Recording Area

Name and Return Address

Bob Pearson  
Wisconsin Department of Transportation  
2101 Wright Street  
Madison, WI 53704-2583

WHEREAS, the Wisconsin Department of Transportation is the owner of the above described property.

WHEREAS, one or more Petroleum Volatile Organic Compounds (PVOCs) discharges have occurred at this property. Benzene, total xylenes, and/or naphthalene contaminated groundwater above ch. NR 140, Wis. Adm. Code enforcement standards exists on this property at the following location(s): Benzene of eleven (11) parts per billion (ppb) at monitoring well five (MW-5); Benzene of one and four-tenths (1.4) ppb, Total Xylenes of one hundred eighty-eight (188) ppb, and Naphthalene of twenty-three (23) ppb at MW-6; Benzene of two hundred thirty (230) ppb, Total Xylenes of one hundred fifty-seven (157) ppb, and Naphthalene of thirty-nine (39) ppb at MW-7; Benzene of fifteen (15) ppb at MW-9. The above samples were collected in March of 1998. See Attachment B for locations of monitoring wells.

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.

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

VOL 2 PAGE 254

RICHLAND COUNTY CERTIFIED SURVEY MAP CONT'D.

SURVEYOR'S CERTIFICATE

I, Sean M. Walsh, Registered Land Surveyor, do hereby certify:

That I have surveyed, divided and mapped all that part of the Northeast One-quarter of the Southwest One-quarter and part of the Northwest One-quarter of the Southwest One-quarter of Section 21, Township 10 North, Range 1 East, City of Richland Center, Wisconsin, also being part of Lots 51 and 52 of the Assessment Map of the City of Richland Center, bounded and described as follows:

Commencing at the Southwest corner of Block 65 of the Original Plat of the City of Richland Center;  
Thence South 03° 16' 28" West, 66.12 feet to the point of beginning of the lands hereinafter described;  
Thence South 02° 21' 32" East, 121.29 feet to a point on the arc of a curve concave to the East;  
Thence Southerly, 314.17 feet along the arc of said curve having a radius of 2647.78 feet, a central angle of 06° 47' 54" and a chord bearing South 03° 18' 12" East, 313.99 feet;  
Thence North 89° 30' 34" East, 93.38 feet;  
Thence South 00° 09' 34" West, 328.13 feet to a point on the Easterly right-of-way limits of United States Trunk Highway 14;  
Thence North 35° 44' 27" West, along said right-of-way line, 95.45 feet;  
Thence North 45° 01' 28" West, along said right-of-way line, 136.72 feet to a point on the arc of a curve concave to the Northeast;  
Thence Northwesterly, 212.51 feet along said right-of-way and the arc of said curve having a radius of 991.74 feet, a central angle of 12° 16' 39" and a chord bearing North 31° 39' 51" West, 212.11 feet;  
Thence North 26° 40' 56" West, along said right-of-way, 365.09 feet;  
Thence North 01° 59' 07" West, along said right-of-way, 80.19 feet to a point on the Southerly right-of-way line of Gage Street;  
Thence North 89° 49' 11" East, along said South line, 315.00 feet to the point of beginning, containing a total area of 151,754 square feet or 3.48 acres of land.

Together with and subject to that part of a 30 foot wide utility easement located within the above described parcel, the centerline of which is described as follows:

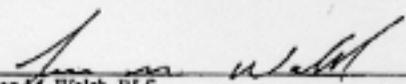
Commencing at the Southwest corner of Block 65 of the Original Plat of the City of Richland Center;  
Thence South 03° 16' 28" West, 66.12 feet;  
Thence South 89° 49' 11" West, 29.22 feet to the point of beginning of the centerline hereinafter described;  
Thence South, along said centerline, 253.63 feet;  
Thence South 20° 21' 27" East, along said centerline, 421.58 feet to the point of termination of said easement.

That I have made this survey, land division and map at the direction of Mr. Drew Heiden, agent for the owners of said land.

That such map is a correct representation of all exterior boundaries of the land surveyed and the division thereof made.

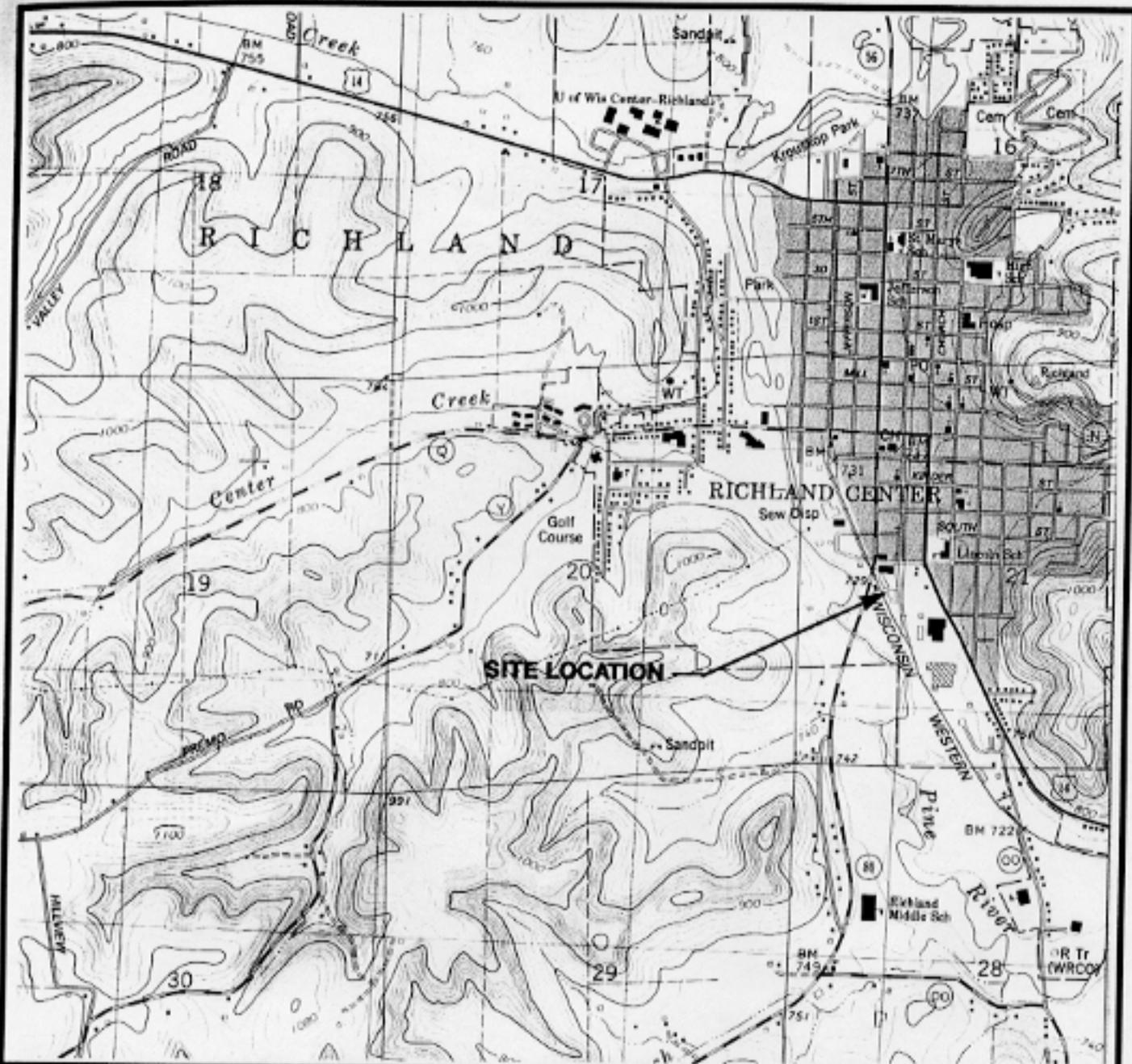
That I have fully complied with the provisions of Chapter 236 of the Wisconsin Statutes and the Wisconsin Administrative Code and the Ordinances of the City of Richland Center in surveying, dividing and mapping the same.

Dated this 8 day of July, 1998

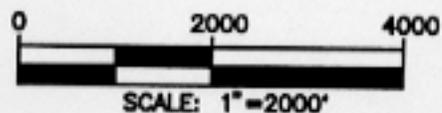
  
Sean M. Walsh, RLS  
Jewell & Assoc., Inc.







**STATE LOCATION**



**SITE LOCATION MAP  
FORMER DAUL INDUSTRIES PROPERTY  
RICHLAND CENTER, WI.**

SOURCE: BASE MAP FROM RICHLAND CENTER, WISCONSIN/  
7.5 MIN. USGS QUADRANGLE.

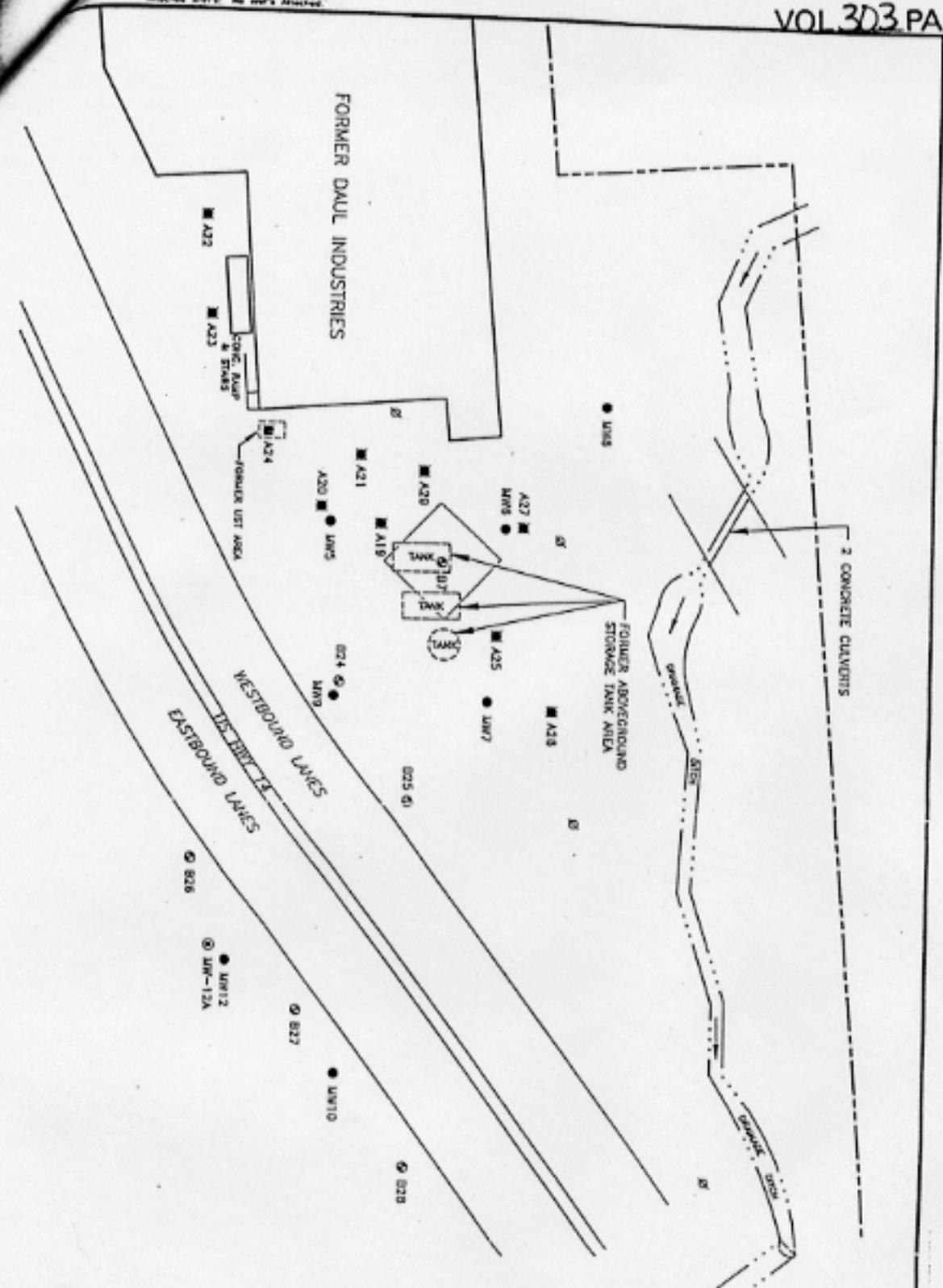


OWN. BY: DJW
APPROVED BY:
DATE: MARCH 1995
PROJ. # 10554.01
FILE # 0102

**FIGURE 1**

\$\$\$PHI\$\$\$  
\$\$\$SCALE\$\$\$  
\$\$\$DATE\$\$\$

Attachment B (Monitoring Well Locations)  
 Groundwater Use Restriction - Wisconsin Department of Transportation



LEGEND

- BUILDING
- - - - - EDGE OF WATER/DITCH
- ⊕ POWER POLE
- ⊕ SOIL BORING
- ⊕ WATER TABLE WELL
- ⊕ UWS-12A PIEZOMETER
- ⊕ A20 GEOPHORE BORING LOCATION
- - - - - APPROXIMATE PROPERTY LINE

NOTES

1. BASE MAP DEVELOPED FROM SURVEY CONDUCTED BY MID-STATE ASSOCIATES, INC. BARABDO, WI.



SITE PLAN

WDOT-FORMER DAUL INDUSTRIES  
 WISDOT ID#1843-08-00  
 RICHLAND CENTER, WI

DATE: 07/01/04

PROJECT: WDOT-FORMER DAUL INDUSTRIES

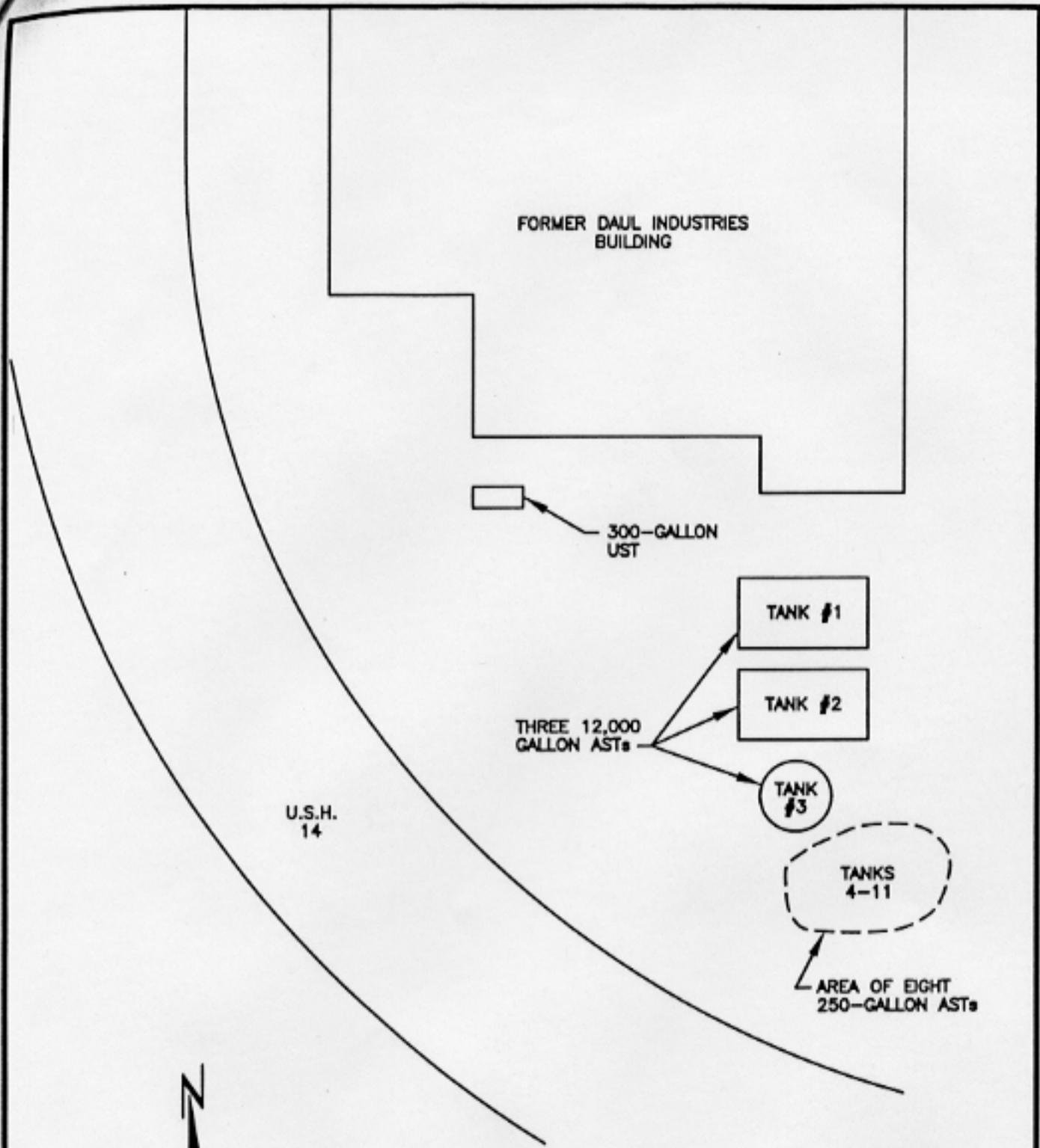
DATE: 07/01/04

PROJECT: WDOT-FORMER DAUL INDUSTRIES

DATE: 07/01/04

PROJECT: WDOT-FORMER DAUL INDUSTRIES

2005.10 By: [unclear]  
 Wisconsin, September 25, 1998  
 1111 S. 825th Ave  
 Attached Sheet: No. 107's Attached



U.S.H.  
14

FORMER DAUL INDUSTRIES  
BUILDING

300-GALLON  
UST

TANK #1

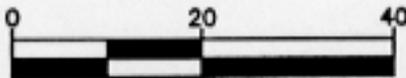
TANK #2

THREE 12,000  
GALLON ASTs

TANK  
#3

TANKS  
4-11

AREA OF EIGHT  
250-GALLON ASTs



SCALE: 1" = 20'

**PLOT PLAN**

**WDOT-FORMER DAUL INDUSTRIES  
RICHLAND CENTER, WISCONSIN**



DRAWN BY: DJW

APPROVED BY:

DATE: MARCH 1995

PROJ. # 10554.01

FILE # 0101

\$\$\$NO \$\$\$  
\$\$\$SCALE\$\$\$  
\$\$\$DATE\$\$\$

SEE FIGURE 2 FOR SITE LOCATOR MAP

FIGURE 2

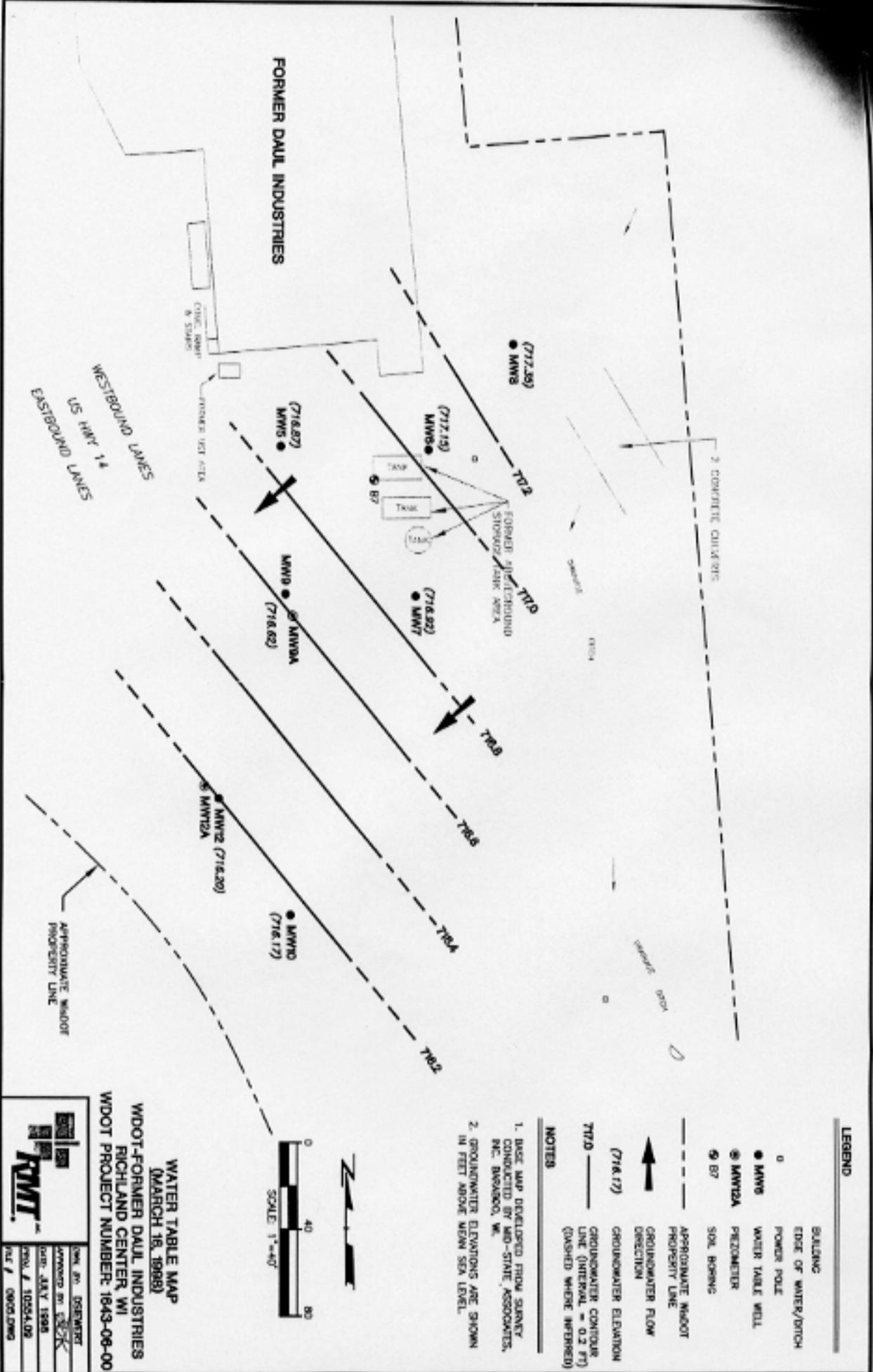


FIGURE 1

**Table 2**  
**Summary of Groundwater Monitoring Well Analytical Results<sup>1</sup>**  
**Former Daul Industries Property**  
**WisDOT Project #1643-06-00**

PARAMETERS (µg/L)		Benzene	Ethyl benzene	Methyl-tert-butyl-ether	Toluene	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Xylenes (total)	Naphthalene	Total PFOCs <sup>2</sup>
NR 140 PAL		0.5	140	12	68.6	--	--	124	8	--
NR 140 ES		5	700	60	343	--	--	620	40	--
MW-5	02/95	<1.0	1.9	<1.0	<1.0	1.3	9.5	<2.0	<1.0	12.7
	03/95	1.6	4	<1.0	1.2	4.6	5.6	3.3	NA	20.3
	05/95	6.5	11	<1.0	<1.0	14	1.2	5.1	NA	37.8
	08/95 <sup>2</sup>	<1.0	<1.0	<1.0	2.7	<1.0	<1.0	<3.0	NA	< 9.0
	02/96	2	4.1	<1.0	3.4	2.3	<1.0	<3.0	NA	11.8
	05/96	3.6	9.8	<1.0	<1.0	1.9	<1.0	<3.0	< 5.0	15.3
	08/96 <sup>3</sup>	5.1	6.6	6.8	4.4	4.6	<1.0	<3.0	< 0.54	27.5
	11/96	<1.0	<1.0	<1.0	<1.0	1.6	<1.0	<3.0	< 0.63	1.6
	02/97	6	10	< 0.13	1.5	4.3	< 0.41	5.4	1.1	27.2
	10/97	2.2	2.8	<0.50	<0.32	2.9	<0.56	<1.03	<0.44	7.9
03/98	11	23	0.56Q	7.5	15	1.2Q	27.4	4.6	85.66	
MW-6	02/95	<10	290	<10	46	1,100	320	1,250	260	3,006
	03/95	19	270	20	90	950	300	1,200	NA	2,849
	05/95	<10	17	<10	<10	230	76	71	NA	394
	08/95 <sup>2</sup>	<10	22	<10	15	280	92	87	NA	496
	02/96	<10	33	<10	31	250	87	120	NA	521
	05/96	<1.0	1.9	<1.0	1.1	32	9.2	< 3.0	8.3	44.2
	08/96 <sup>3</sup>	3	4.9	11	5.4	34	13	17	8	88.3
	11/96	< 5.0	< 5.0	< 5.0	< 5.0	62	19	< 15	< 0.62	81
	02/97	1	0.86	0.78	1.2	15	4.2	4.8	4.8	27.84
	10/97	<0.40	<0.40	<0.50	<0.32	3.6	1.4Q	<1.03	<0.44	5
03/98	1.4	33	0.60Q	36	88	30	188	23	377	
MW-7	02/95	11	2.2	6.8	1	10	9.9	13.3	4.6	54.2
	03/95	11	3	4.6	<1.0	4.6	<1.0	11	NA	34.2
	05/95	4.7	<1.0	<1.0	<1.0	<1.0	<1.0	<3.0	NA	4.7
	08/95 <sup>2</sup>	2.9	<1.0	<1.0	3.1	<1.0	<1.0	<3.0	NA	6
	02/96	10	<1.0	2.6	2.7	2.1	<1.0	<3.0	NA	17.4
	05/96	23	<1.0	<1.0	<1.0	10	<1.0	3.4	17	36.4
	08/96 <sup>3</sup>	4.8	<1.0	6.5	<1.0	<1.0	<1.0	<3.0	<0.54	11.3
	11/96	16	4.7	<1.0	1.5	8.1	<1.0	13	2.3	43.3
	02/97	230 D	38	12	36	38	12	130	63 D	496
	10/97	82	54	<0.50	33	22	7.3	94	17	292.3
03/98	230	83	2	20	40	23	157	39	555	

**Table 2**  
**Summary of Groundwater Monitoring Well Analytical Results<sup>1</sup>**  
**Former Daul Industries Property**  
**WisDOT Project #1643-06-00**

PARAMETERS (ug/L)		Benzene	Ethylbenzene	Methyl-tert-butyl-ether	Toluene	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Xylenes (total)	Naphthalene	Total PFOCs <sup>2</sup>
NR 140 PAL		0.5	140	12	68.6	--	--	124	8	--
NR 140 ES		5	700	60	343	--	--	620	40	--
MW-8	5/16/95	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<3.0	NA	< 9.0
	5/25/95	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<3.0	<5.0	< 9.0
	08/95 <sup>2</sup>	<1.0	<1.0	<1.0	2.3	<1.0	<1.0	<3.0	NA	2.3
	02/96	<1.0	<1.0	5.2	<1.0	<1.0	<1.0	<3.0	NA	5.2
	05/96	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<3.0	< 5.0	< 9.0
	08/96 <sup>3</sup>	<1.0	<1.0	7.5	3.9	<1.0	<1.0	<3.0	< 0.50	11.4
	11/96	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<3.0	< 0.56	< 9.0
MW-9	5/16/95	100	<1.0	11	12	2.1	1.4	13	NA	44.21
	5/25/95	210	<1.0	<1.0	31	<1.0	<1.0	<3.0	< 50	241
	08/95 <sup>2</sup>	61 D	<1.0	15	5.1	<1.0	<1.0	<3.0	NA	81.1
	02/96	18	<1.0	40	<1.0	<1.0	<1.0	5.9	NA	63.9
	05/96	19	<1.0	4.2	<1.0	<1.0	<1.0	<3.0	11	23.2
	08/96 <sup>3</sup>	27	<1.0	14	5.3	<1.0	<1.0	8.2	< 0.54	54.5
	11/96	3.6	<1.0	2.5	<1.0	<1.0	<1.0	<3.0	0.81	6.1
	02/97	1.9	1.3	1.8	0.26 Q	<0.26	<0.41	1.3 Q	< 0.34	6.56
	10/97	11	1.2 Q	1.7	<0.32	0.87 Q	<0.56	2.4 Q	0.69 Q	17.17
	03/98	15	4.7	2.1	0.46Q	<0.86	1.2Q	5	1.4Q	28.46
MW-9A	02/96	1	2.8	<1.0	9.1	2.8	2.5	10	NA	28.2
	05/96	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<3.0	< 5.0	< 9.0
	08/96 <sup>3</sup>	3.7	<1.0	7.2	<1.0	<1.0	<1.0	<3.0	< 0.50	10.9
	11/96	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<3.0	< 0.50	< 9.0
	02/97	< 0.14	< 0.23	< 0.13	< 0.12	< 0.26	< 0.41	< 0.70	< 0.34	< 1.99
	10/97	<0.40	<0.40	<0.50	<0.32	<0.50	<0.56	<1.03	<0.44	<3.71
	03/98	<0.26	<0.24	<0.22	<0.21	<0.86	<0.54	<1.34	<0.89	<3.67
MW-10	5/16/95	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<3.0	NA	< 9.0
	5/25/95	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<3.0	<5.0	< 9.0
	8/95 <sup>2</sup>	<1.0	<1.0	<1.0	3.2	<1.0	<1.0	<3.0	NA	3.2
	02/96	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<3.0	NA	< 9.0
	05/96	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<3.0	< 5.0	< 9.0
	08/96 <sup>3</sup>	<1.0	<1.0	11	3.9	<1.0	<1.0	<3.0	< 0.65	14.9
	11/96	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<3.0	< 0.54	< 9.0
	02/97	0.25 Q	< 0.23	0.19 Q	< 0.12	< 0.26	< 0.41	< 0.70	< 0.27	0.44
	10/97	<0.40	<0.40	<0.50	<0.32	<0.50	<0.56	<1.03	<0.44	<3.71
	03/98	<0.26	<0.24	<0.22	<0.21	<0.86	<0.54	<1.34	<0.89	<3.67

**Table 2**  
**Summary of Groundwater Monitoring Well Analytical Results<sup>1</sup>**  
**Former Daul Industries Property**  
**WisDOT Project #1643-06-00**

PARAMETERS (µg/L)		Benzene	Dibylbenzene	Methyl-tert-butyl-ether	Toluene	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Xylenes (total)	Naphthalene	Total PVOCs <sup>4</sup>
NR 140 PAL		0.5	140	12	68.6	—	—	124	8	—
NR 140 ES		5	700	60	343	—	—	620	40	—
MW-12	5/16/95	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<3.0	NA	< 9.0
	02/96	<1.0	<1.0	3.3	4.1	<1.0	<1.0	<3.0	NA	7.4
	05/96	<1.0	<1.0	1.8	<1.0	<1.0	<1.0	<3.0	< 5.0	< 9.0
	08/96 <sup>3</sup>	<1.0	<1.0	9	3.9	<1.0	<1.0	<3.0	< 0.50	12.9
	11/96	<1.0	<1.0	1.8	<1.0	<1.0	<1.0	<3.0	< 0.50	1.8
	02/97	< 0.14	< 0.23	2.1	< 0.12	< 0.26	< 0.41	< 0.70	< 0.34	2.1
	10/97	<0.40	<0.40	2.1	<0.32	<0.50	<0.56	<1.03	<0.44	2.1
03/98	<0.26	<0.24	1.8	<0.21	<0.86	<0.54	<1.34	<0.89	1.8	
MW-12A	02/96	1.4	<1.0	6.2	4.3	<1.0	<1.0	<3.0	NA	11.9
	05/96	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<3.0	< 5.0	< 9.0
	08/96 <sup>3</sup>	3	<1.0	10	4	<1.0	<1.0	<3.0	< 0.50	17
	11/96	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<3.0	< 0.50	< 9.0
	02/97	< 0.14	< 0.23	< 0.13	< 0.12	< 0.26	< 0.41	< 0.70	< 0.34	< 1.99
	10/97	<0.40	<0.40	<0.50	<0.32	<0.50	<0.56	<1.03	<0.44	<3.71
03/98	<0.26	<0.24	<0.22	<0.21	<0.86	<0.54	<1.34	<0.89	<3.67	

NOTES:

Bolded values represent NR 140 PAL exceedence. Shaded values represent NR 140 ES exceedences.

- This table contains laboratory results of groundwater samples for which at least one of the above parameters was reported above the Detection Limit. Attachment A contains laboratory data sheets from the most recent round of sampling.
- The trip blank from the August 1995 sampling round contained toluene at 4.1 µg/L and methyl-tert-butyl-ether at 7.0 µg/L.
- The trip blank detected methyl-tert-butyl-ether at 7.0 µg/L and toluene at 4.1 µg/L. The field blank detected methyl-tert-butyl-ether at 9.8 µg/L and toluene at 4.0 µg/L. On the basis of the concentrations detected in the field and trip blanks the concentrations of MTBE and toluene for this date should be considered non-detectable in all but the source area wells. On the basis of the PVOC contamination in the blanks, the benzene concentration in the non-source area wells is also suspect.
- Total PVOCs consist of detected concentrations added, from benzene through xylenes.

D Value from diluted analysis.

Q The analyte has been detected between the Limit of Detection (LOD) and the Limit of Quantification (LOQ). The results are qualified due to the uncertainty of analyte concentrations within this range.

ES NR 140 Enforcement Standard.

NA Not analyzed.

PAL NR 140 Preventive Action Limit.

TABLE 3

**SUMMARY OF GROUNDWATER MONITORING WELL ANALYTICAL RESULTS  
INORGANIC COMPOUNDS AND FIELD PARAMETERS  
FORMER DAUL INDUSTRIES PROPERTY**

WisDOT PROJECT #1643-06-00

Well Number	Date	Dissolved Iron ( $\mu\text{g/L}$ )	Alkalinity (as $\text{CaCO}_3$ ) ( $\text{mg/L}$ )	Nitrogen, Nitrate ( $\text{mg/L}$ )	Sulfate ( $\text{mg/L}$ )	Downhole <sup>1</sup> DO ( $\text{mg/L}$ )	Field Eh ( $\text{mV}$ )	Field pH (std. units)	Downhole <sup>1</sup> Temperature ( $^{\circ}\text{C}$ )	Conductivity <sup>2</sup> ( $\mu\text{mhos/cm}$ )
MW-5	2/26/97	5,100	180	0.23	27	5.3	6.3	6.3	10.0	490
	10/28/97	--	--	--	--	4.6	--	5.18	8.0	500
MW-6	3/16/98	10,000	220	0.15	34	0.7 <sup>3</sup>	2.5	6.6	7.7 <sup>3</sup>	520
	2/26/97	3,400	96	0.40	31	2.2	180	6.0	10.0	320
MW-7	10/28/97	--	--	--	--	1.8	--	4.61	6.5	370
	3/16/98	960	98	1.8	22	2.1 <sup>3</sup>	5.4	6.5	7.7 <sup>3</sup>	380
MW-9	2/26/97	1,900	240	0.031 Q	26	1.8	64.1	6.0	9.2	540
	10/28/97	--	--	--	--	4.3	--	5.04	8.0	490
MW-9A	3/16/98	3,600	260	0.29	19	0.6 <sup>3</sup>	24.1	6.6	7.2 <sup>3</sup>	530
	2/26/97	150	150	0.22	30	1.1	41	6.5	11.5	810
MW-10	10/28/97	--	--	--	--	1.0	--	5.27	9.0	810
	3/16/98	170	180	0.35	21	0.3 <sup>3</sup>	16.9	6.6	8.8 <sup>3</sup>	940
MW-12	2/26/97	12	400	5.6	46	5.1	35.3	6.9	10.4	900
	10/28/97	--	--	--	--	7.0	--	5.90	11.0	1,080
MW-12A	3/16/98	<2.3	340	4.2	38	4.6 <sup>3</sup>	35	7.2	10.8 <sup>3</sup>	1,300
	2/26/97	41,000	530	0.34	33	1.7	-102	7.0	9.5	1,630
MW-12B	10/28/97	--	--	--	--	1.4	--	5.88	9.0	--
	3/16/98	42,000	350	0.061	20	0.8 <sup>3</sup>	-56	6.5	9.5 <sup>3</sup>	1,420
MW-12C	2/26/97	12,000	280	0.043 Q	39	2.0	-30.5	6.5	10.5	830
	10/28/97	--	--	--	--	1.5	--	5.27	9.5	960
MW-12D	3/16/98	10,000	300	0.062	20	0.4 <sup>3</sup>	-40	6.2	9.8 <sup>3</sup>	990
	2/26/97	4.0 Q	350	5.0	48	5.2	39.5	7.1	9.4	1,000
MW-12E	10/28/97	--	--	--	--	3.0	--	6.05	11.0	1,200
	3/16/98	16	350	4.9	35	5.0 <sup>3</sup>	96.0	7.2	11.5 <sup>3</sup>	1,080

## NOTES:

<sup>1</sup> Indicates value prior to purging well with measurement taken inside well.

<sup>2</sup> Field specific conductance is corrected to 25 $^{\circ}\text{C}$ .

<sup>3</sup> Indicates value collected using a low flow pumping method with a flow-through cell.

Q The analyte has been detected between the Limit of Detection (LOD) and the Limit of Quantitation (LOQ). The results are qualified due to the uncertainty of analyte concentrations in this range.

-- Not analyzed.

LEGEND

- - - DISTING GROUND SURFACE
- STRATIGRAPHIC BOUNDARY
- - - DASHED WHERE INTERFERED
- WATER TABLE ELEVATION
- ISOCONCENTRATION CONTOUR (INTERVAL = 10 PPM)

- WELL CONSTRUCTION
- WELL SEAL
- SCREENED INTERVAL

- LEHOLOGIC UNITS
- FILL MATERIAL
  - LEAN CLAY (CL) FLUVIAL DEPOSIT
  - SANDY LEAN CLAY (CL) FLUVIAL DEPOSIT
  - WELL GRAVEL & POORLY GRADED SAND (SM, SP) OUTWASH DEPOSIT

NOTES

1. ELEVATION REFERENCED TO USGS MEAN SEA LEVEL DATUM, 1929.
2. FOR DETAILED LITHOLOGIC DESCRIPTIONS, ROCK LOGS, AND WELL CONSTRUCTION DETAILS, SEE APPENDIX A, LABORATORY DATA SHEETS ARE INCLUDED IN APPENDIX G.
3. WATER TABLE MEASURED MAY 15, 1985.
4. SEE FIGURE 2 FOR LOCATION OF CROSS SECTION
5. BITEX = TOTAL CONCENTRATION OF BODIZING TOLUENE ETHYL BENZENE, & XYLENES AS REPORTED BY FIELD GC ANALYSES. TRICHLOROETHYLENE AND PERCHLOROETHYLENE CONCENTRATIONS AS REPORTED BY FIELD GC ANALYSES. RESULTS FOR MW-3 AND MW-3A ARE FROM LABORATORY AIR

HORIZONTAL SCALE: 1" = 50'  
VERTICAL SCALE: 1" = 10'

CHLORINATED COMPOUND  
ISOCONCENTRATION CROSS SECTION  
RICHLAND COUNTY GARAGE  
RICHLAND CENTER, WISCONSIN

REV. BY: AJS  
APPROVED BY: [Signature]  
DATE: AUGUST 1985  
PROJECT: 10-487-04  
FILE #: 0413



FIGURE 6

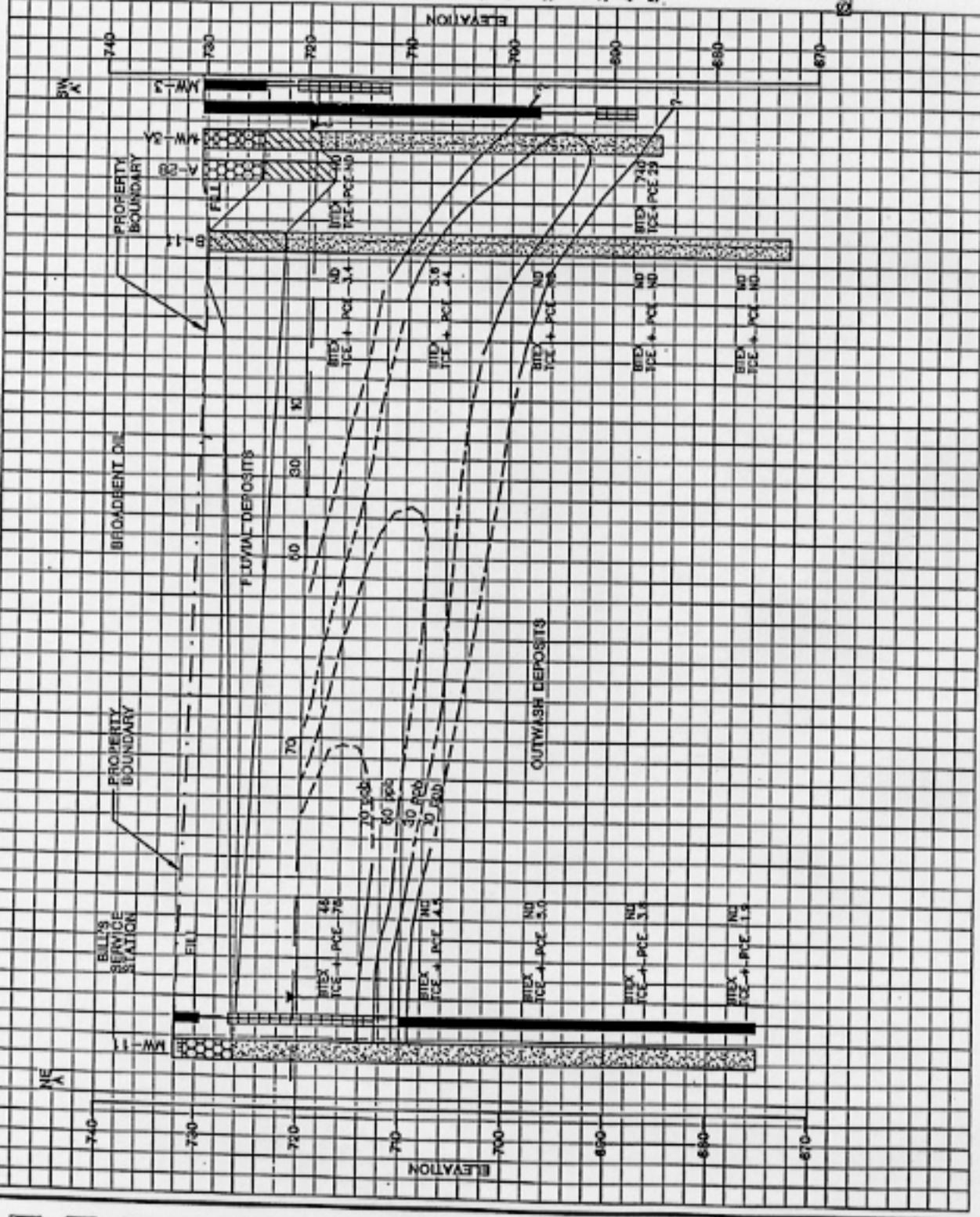


FIGURE A