GIS REGISTRY INFORMATION

SITE NAME: CP Rail System Diesel AST Site

BRRTS #: 02-42-000467 | **FID # (if appropriate):** 642000700

COMMERCE # (if appropriate):

CLOSURE DATE: 26-Feb-07

STREET ADDRESS: 205 N. Superior Ave.

CITY: Tomah

SOURCE PROPERTY Locational COORDINATES (meters in WTM91 projection): **X=** 479481 **Y=** 390622

CONTAMINATED MEDIA: Groundwater [X] Soil [ ] Both [ ]

OFF-SOURCE GW CONTAMINATION >ES: [ ] Yes [X] No

IF YES, STREET ADDRESS 1:

Locational COORDINATES (meters in WTM91 projection): **X=** **Y=**

OFF-SOURCE SOIL CONTAMINATION >Generic or Site-Specific RCL (SSRCL): [ ] Yes [X] No

IF YES, STREET ADDRESS 1:

Locational COORDINATES (meters in WTM91 projection): **X=** **Y=**

CONTAMINATION IN RIGHT OF WAY: [ ] Yes [X] No

DOCUMENTS NEEDED:

Closure Letter, and any conditional closure letter or denial letter issued	X
Copy of most recent deed, including legal description, for all affected properties	X
Certified survey map or relevant portion of the recorded plat map (***if referenced in the legal description***) **for all affected properties**	X
County Parcel ID number, *if used for county*, for all affected properties	
Location Map which outlines all properties within contaminated site boundaries on USGS topographic map or plat map in sufficient detail to permit the parcels to be located easily (8.5x14" if paper copy). If groundwater standards are exceeded, the map must also include the location of all municipal and potable wells within 1200' of the site.	X
Detailed Site Map(s) for all affected properties, showing buildings, roads, property boundaries, contaminant sources, utility lines, monitoring wells and potable wells. (8.5x14", if paper copy) This map shall also show the location of all contaminated public streets, highway and railroad rights-of-way in relation to the source property and in relation to the boundaries of groundwater contamination exceeding ch. NR 140 ESs and soil contamination exceeding ch. NR 720 generic or SSRCLs.	X
Tables of Latest Groundwater Analytical Results (no shading or cross-hatching)	X
Tables of Latest Soil Analytical Results (no shading or cross-hatching)	NA
Isoconcentration map(s), *if required for site investigation (SI)* (8.5x14" if paper copy). The isoconcentration map should have flow direction and extent of groundwater contamination defined. **If not available, include the latest extent of contaminant plume map.**	X
GW: Table of water level elevations, with sampling dates, and free product noted if present	X
GW: Latest groundwater flow direction/monitoring well location map (should be 2 maps if maximum variation in flow direction is greater than 20 degrees)	X
SOIL: Latest horizontal extent of contamination exceeding generic or SSRCLs, with one contour	NA
Geologic cross-sections, *if required for SI.* (8.5x14' if paper copy)	X
RP certified statement that legal descriptions are complete and accurate	X
Copies of off-source notification letters (if applicable)	NA
Letter informing ROW owner of residual contamination (if applicable)(public, highway or railroad ROW)	NA
Copy of (soil or land use) deed restriction(s) or deed notice *if any required as a condition of closure*	NA
Copy of any maintenance plan referenced in the deed restriction.	NA

State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

Jim Doyle, Governor
Scott Hassett, Secretary
Scott Humrickhouse, Regional Director

West Central Region Headquarters
1300 W. Clairemont Avenue
PO Box 4001
Eau Claire, Wisconsin 54702-4001
Telephone 715-839-3700
FAX 715-839-6076
TTY Access via relay - 711

February 26, 2007

Canadian Pacific Railway
c/o Mr. Peter Cangialosi
501 Marquette Avenue, Suite 804
Minneapolis, MN 55402

SUBJECT: Final Case Closure with Conditions
Power House Fuel Oil AST Site, Tomah Yard, 205 N. Superior Ave., Tomah, WI
WDNR BRRTS Activity #: 02-42-000467

Dear Mr. Cangialosi:

The Wisconsin Department of Natural Resources West Central Region Closure Committee has reviewed the above referenced case for closure. This committee reviews environmental remediation cases for compliance with state laws and standards to maintain consistency in the closure of these cases.

The Department has received correspondence indicating that you have complied with the requirements of closure.

Based on the correspondence and data provided, it appears that your case meets the requirements of ch. NR 726, Wisconsin Administrative Code. The Department considers this case closed and no further investigation or remediation is required at this time.

NOTE; This closure determination and this letter apply only to closure of Diesel contamination identified in the file documentation as attributed to the Aboveground Storage Tank and operation of the Power House facility. This determination does not apply to the co-located and adjacent chlorinated contamination known as the TCE site.

Monitoring Well Abandonment

Any monitoring wells placed for evaluation of petroleum at the AST site and useful for evaluating the TCE site should be properly abandoned and documented as soon as possible.

Your site will be listed on the DNR Remediation and Redevelopment GIS Registry of Closed Remediation Sites. Information that was submitted with your closure request application will be included on the GIS Registry. To review the sites on the GIS Registry web page, visit http://dnr.wi.gov/org/aw/rr/gis/index.htm. If your property is listed on the GIS Registry because of remaining contamination and you intend to construct or reconstruct a well, you will need prior Department approval in accordance with s. NR 812.09(4)(w), Wis. Adm. Code. To obtain

approval, Form 3300-254 needs to be completed and submitted to the DNR Drinking and Groundwater program's regional water supply specialist. This form can be obtained on-line http://www.dnr.state.wi.us/org/water/dwg/3300254.pdf or at the web address listed above for the GIS Registry.

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. If there is equipment purchased with PECFA funds remaining at the site, contact the Commerce PECFA Program to determine the method for salvaging the equipment.

The Department appreciates your efforts to restore the environment at this site. If you have any questions regarding this closure decision or anything outlined in this letter, please contact me at 715 839 1604

Sincerely,

Tom Kendzierski
Hydrogeologist

cc: Dawn Gabardi & James Bannantine, ARCADIS G&M Inc.126 North Jefferson Street, Suite 400, Milwaukee, WI 53202

State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

Scott McCallum, Governor
Darrell Bazzell, 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
FAX 715-839-6076
TTY 715-839-2786

April 1, 2002

Michael Berger
Canadian Pacific Railway
501 Marquette Avenue South
Suite 840
Minneapolis, MN 55402

Subject: Denial of Case Closure By Committee
CP Rail System Diesel AST (Powerhouse) Site,
205 North Superior Avenue, Tomah, WI
WDNR BRRTS #: 02-42-000467

Dear Mr. Berger:

On February 14, 2002, your site was reviewed for closure by the DNR's West Central Region Closure Committee. This committee reviews environmental remediation cases for compliance with state statutes and rules to maintain consistency in the closure of these cases. After careful review of your closure request, the closure committee has decided that additional site work is necessary at the above-described site, in order to meet the requirements for site closure.

Your site was denied closure because the documentation was insufficient for the committee to understand the extent of contamination, risk posed, and how this site meets applicable codes and standards. The area proposed for closure was not clearly described or separated from the other contamination issues in the vicinity of the former Powerhouse. There were no groundwater monitoring wells in the vicinity of the highest soil contamination or optimally placed down-gradient so compliance with NR 140 Wis. Admin. Code could not be determined.

The Committee offered the opportunity for your consultant to present their justification for closure in person at their March meeting date. The opportunity was declined.

I remain available to meet with you or your consultant to promote understanding of site conditions and to discuss cleanup strategies consistent with future uses of the Tomah Railyard property.

Once the additional work outlined above has been completed, a brief submittal should be sent to the Department. The information will be added to the file for review and your request for closure will be reconsidered.

If there is additional relevant information that was not previously provided to the Department, which you believe might change the Department's closure decision, you may submit that information for our re-evaluation of your closure request.

If you have any questions regarding this letter, please contact me at 715/839-1604.

Sincerely,

Tom Kendzierski
Bureau for Remediation & Redevelopment
West Central Region

cc: Ann Hake
Jim Bannantine – Arcadis G&M

ARCADIS G&M, Inc.
126 North Jefferson Street
Suite 400
Milwaukee
Wisconsin 53202
Tel 414 276 7742
Fax 414 276 7603

MEMO

To:
WDNR

Copies:

From:
Dawn Gabardi

Date:
17 November 2004

ARCADIS Project No.:
WI000944.0009

Subject:
Groundwater GIS Registry for Power House Fuel Oil AST Site
BRRTS #02-42-000467
Legal Description

The Fuel Oil AST Site is located on a 70-acre rail yard (the Property) owned by Soo Line Railroad Company doing business as Canadian Pacific Railway (CPR). The Site occupies less than one acre of the entire Property. The enclosed legal description refers specifically to the Site rather than the entire Property to ensure the legal description accurately reflects the correct location of residual groundwater impacts. Please refer to Figure 1 in lieu of a plat map for an accurate depiction of the Site location with respect to the Property.

CANADIAN PACIFIC RAILWAY

Environmental Services

501 Marquette Avenue
Suite 804
Minneapolis Minnesota 55402

Fax (612) 904-6147

December 23, 2004

To Whom it May Concern:

RE: Legal Description
Power House Fuel Oil AST Site
BRRTS #02-42-000467
Tomah Yard, Tomah, WI

According to Canadian Pacific Railway's Real Estate Department, the attached legal description is correct and accurate for the referenced site in Tomah, WI.

Sincerely,

Canadian Pacific Railway

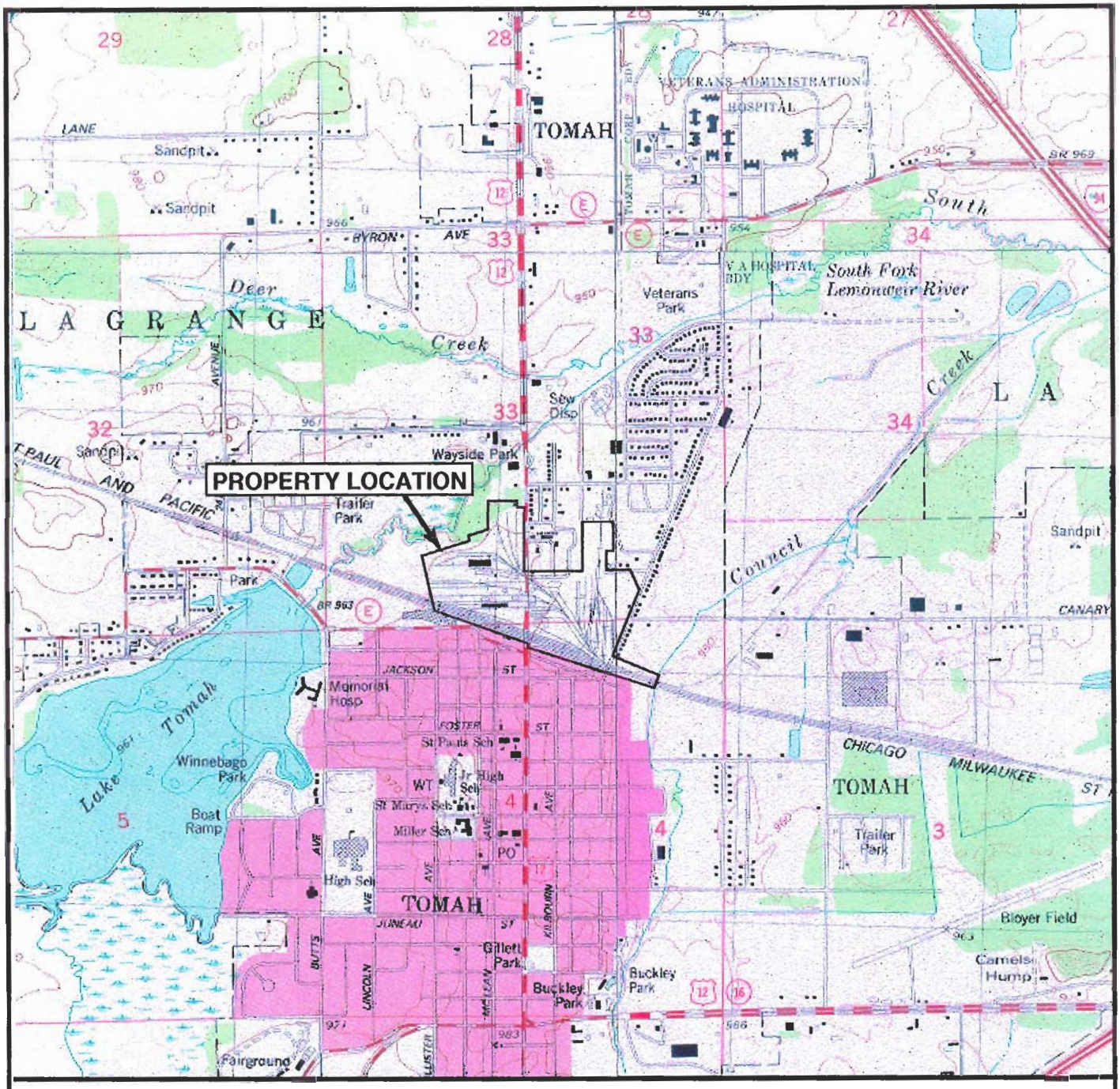
Peter M Cangialosi

Peter Cangialosi, P.E.
Environmental Services

A PARCEL OF LAND LOCATED IN THE SOUTHEAST QUARTER OF THE SOUTHWEST QUARTER OF SECTION 33, TOUWSHIP 18 NORTH, RANGE 1 WEST, IN THE CITY OF TOMAH, MONROE COUNTY, WISCONSIN, BOUNDED AND DESCRIBED AS FOLLOWS:

BEGINNING AT THE SOUTHEAST CORNER OF SAID SOUTHWEST QUARTER; THENCE NORTHERLY ALONG THE EAST LINE OF SAID SOUTHWEST QUARTER THREE HUNDRED FORTY-FIVE FEET; THENCE WESTERLY NINETY DEGREES FROM SAID EAST LINE FORTY-FIVE FEET TO THE POINT OF BEGINNING (P.O.B.) OF SAID PARCEL; THENCE CONTINUING WESTERLY TWO HUNDRED TEN FEET; THENCE NORTHERLY NINETY DEGREES FROM THE LINE LAST DESCRIBED TWO HUNDRED FIVE FEET; THENCE EASTERLY NINETY DEGREES FROM THE LINE LAST DESCRIBED TWO HUNDRED TEN FEETL THENCE SOUTHERLY NINETY DEGREEES FROM THE LINE LAT DESCRIBED TWO HUNDRED FIVE FEET TO THE P.O.B. AND THERE TERMINATING.

SAID PARCEL CONTAINS 0.99 ACRES MORE OR LESS.



SOURCE: Composite of USGS 7.5 Minute Topographic Maps, OAKDALE, TOMAH, TUNNEL CITY and WYEVILLE, WISCONSIN Quadrangles, 1983.

N

0 1000 2000 4000

SCALE IN FEET

WISCONSIN

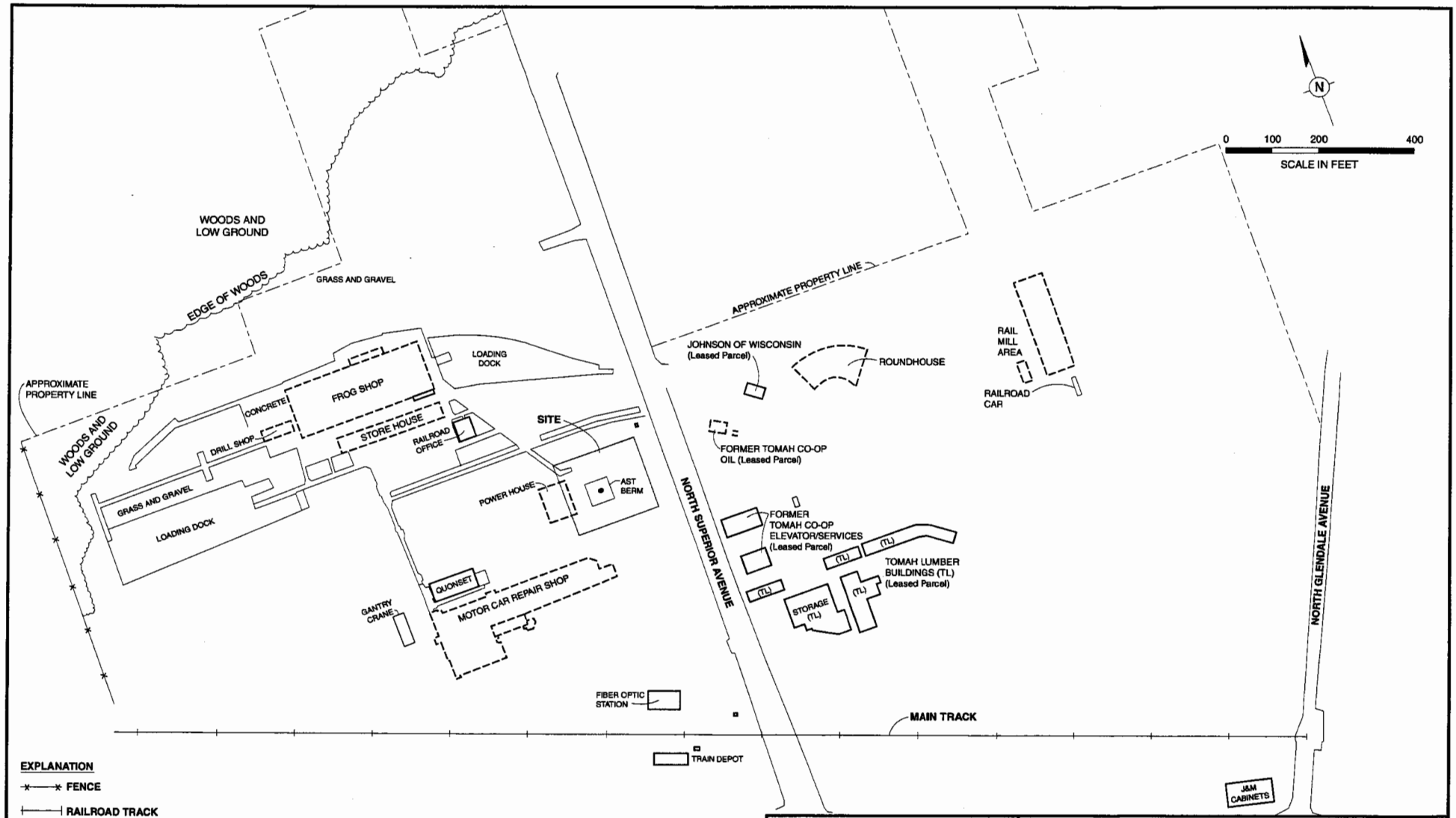
ARCADIS G&M

PROPERTY LOCATION MAP

CANADIAN PACIFIC RAILWAY
TOMAH YARD
TOMAH, WISCONSIN

FIGURE

1



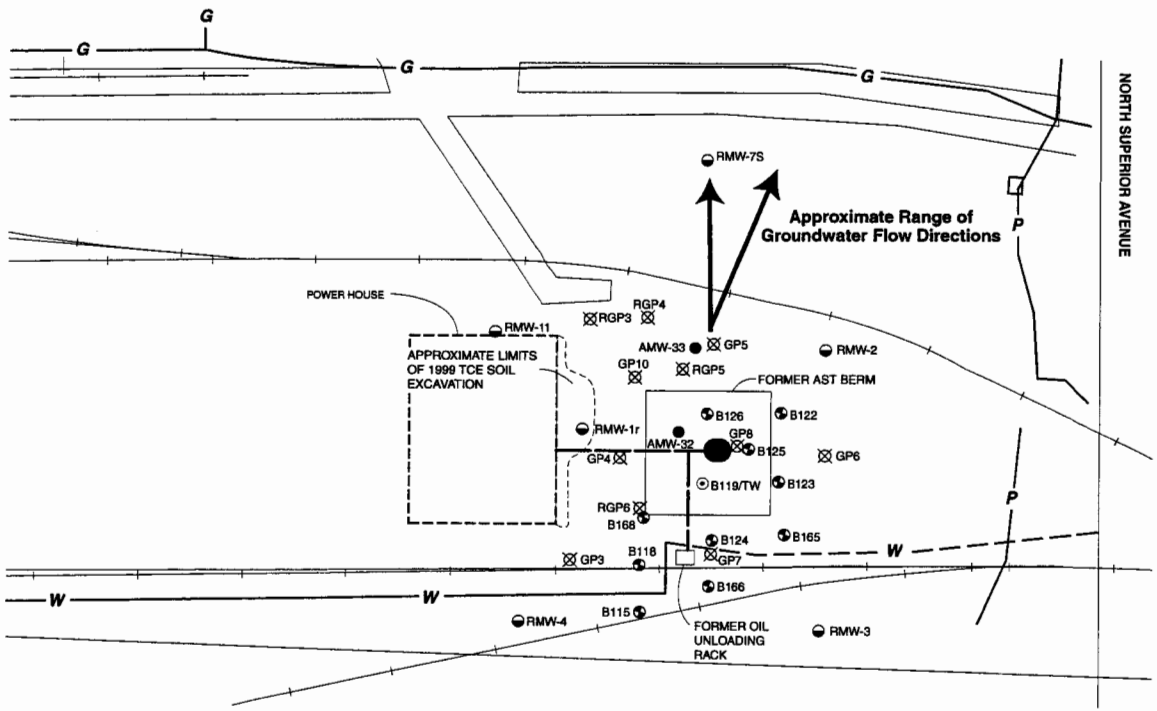
ARCADIS

PROPERTY LAYOUT AND SITE LOCATION POWER HOUSE AST

CANADIAN PACIFIC RAILWAY
TOMAH YARD
TOMAH, WISCONSIN

FIGURE

1



EXPLANATION

- FORMER RAILROAD TRACK
- FOUNDATION OF FORMER BUILDING
- SOIL BORING ADVANCED BY ARCADIS (B18 = AGP-B-18)
- MONITORING WELL INSTALLED BY ARCADIS
- SOIL BORING AND TEMPORARY WELL INSTALLED BY ARCADIS
- RMW-2 MONITORING WELL INSTALLED BY REI
- GP/RGP3/RB7 GEOPROBE OR AUGER BORING INSTALLED BY REI
- FORMER 17,000-GALLON FUEL OIL ABOVEGROUND STORAGE TANK (AST)
- FORMER AST PIPING
- W — WATER LINE (Location inferred where dashed)
- G — GAS LINE
- P — POWER LINE

ARCADIS

SOIL BORING AND MONITORING WELL LOCATIONS
POWER HOUSE AST

CANADIAN PACIFIC RAILWAY
TOMAH YARD
TOMAH, WISCONSIN

FIGURE
2

Table 5. Groundwater VOC Analytical Results, Power House Fuel Oil AST Site, Tomah Yard, Tomah, Wisconsin.

Well Name	NR 140	NR 140	RMW-1r								
Sample Date	ES	PAL	10/14/00	7/20/01	10/17/01	2/21/02	5/17/02	8/15/02	11/6/02	6/10/03	10/15/03
Petroleum VOC											
1,2,4-Trimethylbenzene	480 (a)	96 (a)	<0.12	<0.12	<0.62	<0.24	<0.11	<0.11	<0.69	<0.25	<0.20
1,3,5-Trimethylbenzene	480 (a)	96 (a)	<0.11	<0.11	<0.56	<0.26	<0.08	<0.08	<0.64	<0.25	<0.20
Benzene	5	0.5	<0.19	<0.19	<0.94	<0.25	<0.08	<0.08	<0.25	<0.25	<0.20
Ethylbenzene	700	140	0.4 Q	<0.13	<0.66	<0.12	<0.08	0.19 Q	<0.53	<0.50	<0.50
Isopropylbenzene	NE	NE	0.4 Q	<0.12	<0.61	<0.15	<0.07	<0.07	<0.66	<0.25	<0.20
Naphthalene	40	8	<0.082	<0.082	<0.41	<0.68	<0.1	<0.1	<0.63	<0.25	<0.25
n-Butylbenzene	NE	NE	0.48 Q	<0.18	<0.89	<0.29	<0.11	0.25 Q	<0.65	<0.25	<0.20
n-Propylbenzene	NE	NE	0.52	<0.12	<0.61	<0.18	<0.15	<0.15	<0.95	<0.50	<0.50
p-Isopropyltoluene	NE	NE	0.33 Q	<0.13	<0.63	<0.2	<0.12	<0.12	<0.58	<0.25	<0.20
sec-Butylbenzene	NE	NE	0.6	<0.15	<0.73	<0.22	<0.1	0.29 Q	<0.62	<0.25	0.31 Q
tert-Butylbenzene	NE	NE	<0.13	<0.13	<0.65	<0.16	<0.08	<0.08	<0.96	<0.25	<0.20
Toluene	1,000	200	<0.11	<0.11	<0.55	<0.22	<0.08	<0.08	<0.84	<0.25	<0.20
Xylene, -o	10,000 (a)	1,000 (a)	NA	NA	NA	<0.22	<0.13	<0.13	<0.73	NA	NA
Xylenes, -m, -p	10,000 (a)	1,000 (a)	NA	NA	NA	<0.52	<0.21	0.56 Q	<1.1	NA	NA
Xylenes (total)	10,000	1,000	<0.3	<0.3	<1.5	NA	NA	NA	NA	<0.50	<0.50
Chlorinated VOC											
1,1,1-Trichloroethane	200	40	<0.13	<0.13	<0.66	<0.29	<0.14	<0.14	<0.65	<0.50	<0.50
1,1-Dichloroethane	850	85	<0.098	<0.098	<0.49	<0.34	<0.15	<0.15	<0.87	<0.50	<0.50
1,1-Dichloroethene	7	0.7	<0.18	<0.18	<0.9	<0.36	<0.11	<0.11	<0.56	<0.50	<0.50
1,4-Dichlorobenzene	75	15	<0.11	<0.11	<0.57	<0.29	<0.31	<0.31	<0.63	<0.25	<0.20
Bromodichloromethane	0.6	0.06	<0.25	<0.25	<1.2	<0.21	<0.06	<0.06	<0.23	<0.25	<0.20
Chloroform	6	0.6	<0.18	<0.18	<0.89	<0.32	<0.1	<0.1	<0.45	<0.25	<0.20
cis-1,2-Dichloroethene	70	7	***21***	***9.6***	***11***	4.3	3	5.2	2.4 Q	3.1	***7.9***
Tetrachloroethene	5	0.5	<0.14	<0.14	<0.71	<0.25	<0.15	<0.15	<0.63	<0.50	<0.50
trans-1,2-Dichloroethene	100	20	0.2 Q	<0.17	<0.86	<0.23	<0.11	<0.11	<0.80	<0.50	<0.50
Trichloroethene	5	0.5	***9.1***	***12***	***4.6***	***2.9***	***5.3***	***3.7***	***2.3***	***37***	***17***
Vinyl chloride	0.2	0.02	<0.23	<0.23	<1.2	<0.23	<0.16	<0.16	<0.11	<0.50	<0.20

Footnotes on Page 8.

Table 5. Groundwater VOC Analytical Results, Power House Fuel Oil AST Site, Tomah Yard, Tomah, Wisconsin.

Well Name	RMW-1r (continued)		RMW-2							
Sample Date	**7/7/04**	**10/7/04**	**10/14/00**	**7/23/01**	**10/16/01**	**2/20/02**	**5/16/02**	**8/15/02**	**11/6/02**	**6/10/03**
Petroleum VOC										
1,2,4-Trimethylbenzene	<0.20	<0.20	1.7	0.93	0.91	2	<0.11	0.14 Q	<0.69	<0.25
1,3,5-Trimethylbenzene	<0.20	<0.20	0.13 Q	1.2	1.5	<0.26	<0.08	<0.08	<0.64	<0.25
Benzene	<0.20	<0.20	***0.71***	0.37 Q	***0.69***	***0.65 Q***	<0.08	<0.08	<0.25	<0.25
Ethylbenzene	<0.50	<0.50	4	3.1	3.4	5.7	<0.08	0.23 Q	<0.53	<0.50
Isopropylbenzene	<0.20	<0.20	1.6	0.9	1.4	2	<0.07	<0.07	<0.66	<0.25
Naphthalene	<0.25	<0.25	0.89	0.65	0.24 Q	<0.68	<0.1	<0.1	<0.63	<0.25
n-Butylbenzene	<0.20	<0.20	0.47 Q	<0.18	0.4 Q	0.79 Q	<0.11	<0.11	<0.65	<0.25
n-Propylbenzene	<0.50	<0.50	1.6	0.79	1.1	2.1	<0.15	<0.15	<0.95	<0.50
p-Isopropyltoluene	<0.20	<0.20	0.34 Q	<0.13	0.35 Q	0.6 Q	<0.12	<0.12	<0.58	<0.25
sec-Butylbenzene	<0.25	<0.25	0.75	<0.15	0.84	1.1	<0.1	<0.1	<0.62	<0.25
tert-Butylbenzene	<0.20	<0.20	<0.13	<0.13	<0.13	<0.16	<0.08	<0.08	<0.96	<0.25
Toluene	<0.20	<0.20	0.28 Q	0.2 Q	0.18 Q	<0.22	<0.08	<0.08	<0.84	<0.25
Xylene, -o	NA	NA	NA	NA	NA	<0.22	<0.13	<0.13	<0.73	NA
Xylenes, -m, -p	NA	NA	NA	NA	NA	<0.52	<0.21	0.69 Q	<1.1	NA
Xylenes (total)	<0.50	<0.50	0.8 Q	0.61 Q	<0.3	NA	NA	NA	NA	1.1 Q
Chlorinated VOC										
1,1,1-Trichloroethane	<0.50	<0.50	<0.13	<0.13	<0.13	<0.29	<0.14	<0.14	<0.65	<0.50
1,1-Dichloroethane	<0.50	<0.50	<0.098	<0.098	<0.098	<0.34	<0.15	<0.15	<0.87	<0.50
1,1-Dichloroethene	<0.50	<0.50	<0.18	<0.18	<0.18	<0.36	<0.11	<0.11	<0.56	<0.50
1,4-Dichlorobenzene	<0.20	<0.20	<0.11	<0.11	<0.11	<0.29	<0.31	<0.31	<0.63	<0.25
Bromodichloromethane	<0.20	<0.20	<0.25	<0.25	<0.25	<0.21	<0.06	<0.06	<0.23	<0.25
Chloroform	<0.20	<0.20	<0.18	<0.18	<0.18	<0.32	<0.1	<0.1	<0.45	<0.25
cis-1,2-Dichloroethene	0.82 Q	4.3	2.4	1.2	1.8	4.5	<0.11	<0.11	<0.81	<0.50
Tetrachloroethene	<0.50	<0.50	<0.14	<0.14	<0.14	<0.25	<0.15	<0.15	<0.63	<0.50
trans-1,2-Dichloroethene	<0.50	<0.50	<0.17	<0.17	<0.17	<0.23	<0.11	<0.11	<0.80	<0.50
Trichloroethene	***4.6***	***2.9***	***2.7***	***1.4***	***3.1***	***3.8***	***1.3***	***1.1***	***0.95 Q***	***1.2***
Vinyl chloride	<0.20	<0.20	<0.23	<0.23	<0.23	<0.23	<0.16	<0.16	<0.11	<0.50

Footnotes on Page 8.

Table 5. Groundwater VOC Analytical Results, Power House Fuel Oil AST Site, Tomah Yard, Tomah, Wisconsin.

Well Name	RMW-2 (continued)		RMW-3							RMW-4	
Sample Date	10/15/03	7/6/04	10/14/00	7/23/01	10/16/01	2/20/02	5/16/02	8/14/02	11/5/02	10/16/00	7/23/01
Petroleum VOC											
1,2,4-Trimethylbenzene	<0.20	<0.20	<0.12	<0.12	<0.12	<0.24	<0.11	<0.11	<0.69	<0.12	<0.12
1,3,5-Trimethylbenzene	<0.20	<0.20	<0.11	<0.11	<0.11	<0.26	<0.08	<0.08	<0.64	<0.11	<0.11
Benzene	<0.20	<0.20	<0.19	<0.19	<0.19	<0.25	<0.08	<0.08	<0.25	<0.19	<0.19
Ethylbenzene	<0.50	<0.50	<0.13	<0.13	<0.13	<0.12	<0.08	<0.08	<0.53	<0.13	<0.13
Isopropylbenzene	<0.20	<0.20	<0.12	<0.12	<0.12	<0.15	<0.07	<0.07	<0.66	<0.12	<0.12
Naphthalene	<0.25	<0.25	<0.082	<0.082	<0.082	<0.68	<0.1	<0.1	<0.63	<0.082	<0.082
n-Butylbenzene	<0.20	<0.20	<0.18	<0.18	<0.18	<0.29	<0.11	<0.11	<0.65	<0.18	<0.18
n-Propylbenzene	<0.50	<0.50	<0.12	<0.12	<0.12	<0.18	<0.15	<0.15	<0.95	<0.12	<0.12
p-Isopropyltoluene	<0.20	<0.20	<0.13	<0.13	<0.13	<0.2	<0.12	<0.12	<0.58	<0.13	<0.13
sec-Butylbenzene	<0.25	<0.25	<0.15	<0.15	<0.15	<0.22	<0.1	<0.1	<0.62	<0.15	<0.15
tert-Butylbenzene	<0.20	<0.20	<0.13	<0.13	<0.13	<0.16	<0.08	<0.08	<0.96	<0.13	<0.13
Toluene	<0.20	<0.20	<0.11	<0.11	<0.11	<0.22	<0.08	<0.08	<0.84	0.14 Q	<0.11
Xylene, -o	NA	NA	NA	NA	NA	<0.22	<0.13	<0.13	<0.73	NA	NA
Xylenes, -m, -p	NA	NA	NA	NA	NA	<0.52	<0.21	0.65 Q	<1.1	NA	NA
Xylenes (total)	<0.50	<0.50	<0.3	<0.3	<0.3	NA	NA	NA	NA	<0.3	<0.3
Chlorinated VOC											
1,1,1-Trichloroethane	<0.50	<0.50	<0.13	<0.13	<0.13	<0.29	<0.14	<0.14	<0.65	<0.13	<0.13
1,1-Dichloroethane	<0.50	<0.50	<0.098	<0.098	<0.098	<0.34	<0.15	<0.15	<0.87	<0.098	<0.098
1,1-Dichloroethene	<0.50	<0.50	<0.18	<0.18	<0.18	<0.36	<0.11	<0.11	<0.56	<0.18	<0.18
1,4-Dichlorobenzene	<0.20	<0.20	<0.11	<0.11	<0.11	<0.29	<0.31	<0.31	<0.63	<0.11	<0.11
Bromodichloromethane	<0.20	<0.20	<0.25	<0.25	<0.25	<0.21	<0.06	<0.06	<0.23	<0.25	<0.25
Chloroform	<0.20	<0.20	<0.18	<0.18	<0.18	<0.32	<0.1	<0.1	<0.45	<0.18	<0.18
cis-1,2-Dichloroethene	0.84 Q	<0.50	<0.19	<0.19	<0.19	<1	<0.11	<0.11	<0.81	<0.19	<0.19
Tetrachloroethene	<0.50	<0.50	<0.14	<0.14	<0.14	<0.25	<0.15	<0.15	<0.63	<0.14	<0.14
trans-1,2-Dichloroethene	<0.50	<0.50	<0.17	<0.17	<0.17	<0.23	<0.11	<0.11	<0.80	<0.17	<0.17
Trichloroethene	***1.9***	***0.68***	<0.098	<0.098	<0.098	<0.36	<0.13	<0.13	<0.39	***0.75***	<0.098
Vinyl chloride	<0.20	<0.20	<0.23	<0.23	<0.23	<0.23	<0.16	<0.16	<0.11	<0.23	<0.23

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Table 5. Groundwater VOC Analytical Results, Power House Fuel Oil AST Site, Tomah Yard, Tomah, Wisconsin.

Well Name	RMW-4 (continued)									RMW-7S	
Sample Date	10/16/01	2/20/02	5/16/02	8/14/02	11/5/02	6/10/03	10/14/03	7/6/04	10/5/04	10/16/00	7/19/01
Petroleum VOC											
1,2,4-Trimethylbenzene	<0.12	<0.24	<0.11	<0.11	<0.69	<0.25	<0.25	<0.20	<0.20	<0.12	<0.12
1,3,5-Trimethylbenzene	<0.11	<0.26	<0.08	<0.08	<0.64	<0.25	<0.25	<0.20	<0.20	<0.11	<0.11
Benzene	<0.19	<0.25	<0.08	0.12 Q	<0.25	0.42 Q	<0.25	<0.20	<0.20	<0.19	<0.19
Ethylbenzene	<0.13	<0.12	<0.08	0.17 Q	<0.53	<0.50	<0.50	<0.50	<0.50	<0.13	<0.13
Isopropylbenzene	<0.12	<0.15	<0.07	<0.07	<0.66	<0.25	<0.25	<0.20	<0.20	<0.12	<0.12
Naphthalene	<0.082	<0.68	<0.1	<0.1	<0.63	<0.25	<0.25	<0.25	<0.25	<0.082	<0.082
n-Butylbenzene	<0.18	<0.29	<0.11	<0.11	<0.65	<0.25	<0.25	<0.20	<0.20	<0.18	<0.18
n-Propylbenzene	<0.12	<0.18	<0.15	<0.15	<0.95	<0.50	<0.50	<0.50	<0.50	<0.12	<0.12
p-Isopropyltoluene	<0.13	<0.2	<0.12	<0.12	<0.58	<0.25	<0.25	<0.20	<0.20	<0.13	<0.13
sec-Butylbenzene	<0.15	<0.22	<0.1	<0.1	<0.62	<0.25	<0.25	<0.25	<0.25	<0.15	<0.15
tert-Butylbenzene	<0.13	<0.16	<0.08	<0.08	<0.96	<0.25	<0.25	<0.20	<0.20	<0.13	<0.13
Toluene	<0.11	<0.22	<0.08	<0.08	<0.84	<0.25	<0.25	<0.20	<0.20	<0.11	<0.11
Xylene, -o	NA	<0.22	<0.13	<0.13	<0.73	NA	NA	NA	NA	NA	NA
Xylenes, -m, -p	NA	<0.52	<0.21	0.76	<1.1	NA	NA	NA	NA	NA	NA
Xylenes (total)	<0.3	NA	NA	NA	NA	<0.50	<0.50	<0.50	<0.50	<0.3	<0.3
Chlorinated VOC											
1,1,1-Trichloroethane	<0.13	<0.29	<0.14	<0.14	<0.65	<0.50	<0.50	<0.50	<0.50	<0.13	<0.13
1,1-Dichloroethane	<0.098	<0.34	<0.15	<0.15	<0.87	<0.50	<0.50	<0.50	<0.50	<0.098	<0.098
1,1-Dichloroethene	<0.18	<0.36	<0.11	<0.11	<0.56	<0.50	<0.50	<0.50	<0.50	<0.18	<0.18
1,4-Dichlorobenzene	<0.11	<0.29	<0.31	<0.31	<0.63	<0.25	<0.25	<0.20	<0.20	<0.11	<0.11
Bromodichloromethane	<0.25	<0.21	<0.06	<0.06	<0.23	<0.25	<0.25	<0.20	<0.20	<0.25	<0.25
Chloroform	<0.18	<0.32	<0.1	<0.1	<0.45	<0.25	<0.25	<0.20	<0.20	<0.18	<0.18
cis-1,2-Dichloroethene	<0.19	<1	<0.11	<0.11	<0.81	<0.50	<0.50	<0.50	0.91 Q	<0.19	0.76
Tetrachloroethene	<0.14	<0.25	<0.15	<0.15	<0.63	***0.76 Q***	<0.50	<0.50	***1.3 Q***	<0.14	<0.14
trans-1,2-Dichloroethene	<0.17	<0.23	<0.11	<0.11	<0.80	<0.50	<0.50	<0.50	<0.50	<0.17	<0.17
Trichloroethene	<0.098	<0.36	0.26 Q	<0.13	<0.39	0.35 Q	0.41 Q	<0.20	***0.76***	0.29 Q	***3.4***
Vinyl chloride	<0.23	<0.23	<0.16	<0.16	<0.11	<0.50	<0.25	<0.20	<0.20	<0.23	<0.23

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Table 5. Groundwater VOC Analytical Results, Power House Fuel Oil AST Site, Tomah Yard, Tomah, Wisconsin.

Well Name	RMW-7S (continued)									RMW-11	
Sample Date	**10/16/01**	**2/21/02**	**5/16/02**	**8/15/02**	**11/5/02**	**6/10/03**	**10/14/03**	**7/6/04**	**10/4/04**	**7/25/01**	**10/17/01**
Petroleum VOC											
1,2,4-Trimethylbenzene	<0.12	<0.24	<0.11	<0.11	<0.69	<0.25	<0.25	<0.20	<0.20	<0.12	<0.12
1,3,5-Trimethylbenzene	<0.11	<0.26	<0.08	<0.08	<0.64	<0.25	<0.25	<0.20	<0.20	<0.11	<0.11
Benzene	<0.19	<0.25	<0.08	<0.08	<0.25	<0.25	<0.25	<0.20	<0.20	<0.19	<0.19
Ethylbenzene	<0.13	<0.12	<0.08	<0.08	<0.53	<0.50	<0.50	<0.50	<0.50	<0.13	<0.13
Isopropylbenzene	<0.12	<0.15	<0.07	<0.07	<0.66	<0.25	<0.25	<0.20	<0.20	<0.12	<0.12
Naphthalene	<0.082	<0.68	<0.1	<0.1	<0.63	<0.25	<0.25	<0.25	<0.25	<0.082	<0.082
n-Butylbenzene	<0.18	<0.29	<0.11	<0.11	<0.65	<0.25	<0.25	<0.20	<0.20	<0.18	<0.18
n-Propylbenzene	<0.12	<0.18	<0.15	<0.15	<0.95	<0.50	<0.50	<0.50	<0.50	<0.12	<0.12
p-Isopropyltoluene	<0.13	<0.2	<0.12	<0.12	<0.58	<0.25	<0.25	<0.20	<0.20	<0.13	<0.13
sec-Butylbenzene	<0.15	<0.22	<0.1	<0.1	<0.62	<0.25	<0.25	<0.25	<0.25	<0.15	<0.15
tert-Butylbenzene	<0.13	<0.16	<0.08	<0.08	<0.96	<0.25	<0.25	<0.20	<0.20	<0.13	<0.13
Toluene	<0.11	<0.22	<0.08	<0.08	<0.84	<0.25	<0.25	<0.20	0.23 Q	<0.11	<0.11
Xylene, -o	NA	<0.22	<0.13	<0.13	<0.73	NA	NA	NA	NA	NA	NA
Xylenes, -m, -p	NA	<0.52	<0.21	0.49 Q	<1.1	NA	NA	NA	NA	NA	NA
Xylenes (total)	<0.3	NA	NA	NA	NA	<0.50	<0.50	<0.50	<0.50	<0.3	<0.3
Chlorinated VOC											
1,1,1-Trichloroethane	<0.13	<0.29	<0.14	<0.14	<0.65	<0.50	<0.50	<0.50	<0.50	<0.13	<0.13
1,1-Dichloroethane	<0.098	<0.34	<0.15	<0.15	<0.87	<0.50	<0.50	<0.50	<0.50	<0.098	<0.098
1,1-Dichloroethene	<0.18	<0.36	<0.11	<0.11	<0.56	<0.50	<0.50	<0.50	<0.50	<0.18	<0.18
1,4-Dichlorobenzene	<0.11	<0.29	<0.31	<0.31	<0.63	<0.25	<0.25	<0.20	<0.20	<0.11	<0.11
Bromodichloromethane	<0.25	<0.21	<0.06	<0.06	<0.23	<0.25	<0.25	<0.20	<0.20	***1.6***	<0.25
Chloroform	<0.18	<0.32	<0.1	<0.1	<0.45	<0.25	<0.25	<0.20	<0.20	<0.18	<0.18
cis-1,2-Dichloroethene	0.36 Q	<1	<0.11	<0.11	<0.81	<0.50	<0.50	<0.50	<0.50	***32***	***19***
Tetrachloroethene	<0.14	<0.25	<0.15	<0.15	<0.63	<0.50	<0.50	<0.50	<0.50	<0.14	<0.14
trans-1,2-Dichloroethene	<0.17	<0.23	<0.11	<0.11	<0.80	<0.50	<0.50	<0.50	<0.50	<0.17	<0.17
Trichloroethene	***1.7***	***5***	***0.66***	***0.81***	0.43 Q	***0.52 Q***	0.35 Q	***1.6***	0.46 Q	***109***	***147***
Vinyl chloride	<0.23	<0.23	<0.16	<0.16	<0.11	<0.50	<0.25	<0.20	<0.20	<0.23	<0.23

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Table 5. Groundwater VOC Analytical Results, Power House Fuel Oil AST Site, Tomah Yard, Tomah, Wisconsin.

Well Name	RMW-11 (continued)						AMW-32					
Sample Date	**2/21/02**	**5/17/02**	**8/15/02**	**11/6/02**	**6/10/03**	**10/15/03**	**8/15/02**	**11/7/02**	**6/10/03**	**10/15/03**	**7/7/04**	**10/6/04**
Petroleum VOC												
1,2,4-Trimethylbenzene	<1.2	<0.55	<0.55	<0.69	<0.25	<0.20	***94***	42	52	33	51	47
1,3,5-Trimethylbenzene	<1.3	<0.4	<0.4	<0.64	<0.25	<0.20	***29***	17	6.4	1.1	11	1.9
Benzene	***1.5 Q***	<0.4	<0.4	<0.25	<0.25	<0.20	***2***	***3.4***	***3.4***	***1.2***	***2.2***	***2.3***
Ethylbenzene	<0.6	<0.4	<0.4	<0.53	<0.50	<0.50	43	41	40	26	31	32
Isopropylbenzene	<0.75	<0.35	<0.35	<0.66	<0.25	<0.20	17	13	13	12	9	11
Naphthalene	<3.4	<0.5	<0.5	<0.63	<0.25	0.28 Q	***160***	***140***	***120***	***58***	***86***	***79***
n-Butylbenzene	<1.5	<0.55	<0.55	<0.65	<0.25	<0.20	5.6	7.8	<1.2	<0.20	<1.0	4.1
n-Propylbenzene	<0.9	<0.75	<0.75	<0.95	<0.50	<0.50	21	17	13	13	9.2	12
p-Isopropyltoluene	<1	<0.6	<0.6	<0.58	<0.25	<0.20	6.3	3.7	4.4	3.8	3.2	3.1
sec-Butylbenzene	<1.1	<0.5	<0.5	<0.62	<0.25	<0.25	7.4	5.7	5.2	4.6	2.8	4.5
tert-Butylbenzene	<0.8	<0.4	<0.4	<0.96	<0.25	<0.20	0.35	<0.96	<1.2	<0.20	<1.0	<0.40
Toluene	<1.1	<0.4	<0.4	<0.84	<0.25	<0.20	1.1	<0.84	<1.2	0.24 Q	<1.0	0.40 Q
Xylene, -o	<1.1	<0.65	<0.65	<0.73	NA	NA	15	3.3	NA	NA	NA	NA
Xylenes, -m, -p	<2.6	<1.1	<1.1	<1.1	NA	NA	28	8	NA	NA	NA	NA
Xylenes (total)	NA	NA	NA	NA	<0.50	<0.50	NA	NA	14	1.9	24	4.6
Chlorinated VOC												
1,1,1-Trichloroethane	<1.5	<0.7	<0.7	<0.65	<0.50	<0.50	<0.14	<0.65	<2.5	<0.50	<2.5	<1.0
1,1-Dichloroethane	<1.7	<0.75	<0.75	<0.87	<0.50	<0.50	<0.15	<0.87	<2.5	<0.50	<2.5	<1.0
1,1-Dichloroethene	<1.8	<0.55	<0.55	<0.56	<0.50	<0.50	<0.11	<0.56	<2.5	<0.50	<2.5	<1.0
1,4-Dichlorobenzene	<1.5	<1.6	<1.6	<0.63	<0.25	<0.20	<0.31	<0.63	<1.2	<0.20	<1.0	<0.40
Bromodichloromethane	<1.1	<0.3	<0.3	<0.23	<0.25	<0.20	<0.06	<0.23	<1.2	<0.20	<1.0	<0.40
Chloroform	<1.6	<0.5	<0.5	<0.45	<0.25	<0.20	<0.1	<0.45	<1.2	<0.20	<1.0	<0.40
cis-1,2-Dichloroethene	***32***	5.7	***24***	***7.4***	***12***	***29***	3.6	4.8	6	4.1	2.9	4.9
Tetrachloroethene	<1.3	<0.75	<0.75	<0.63	<0.50	<0.50	<0.15	<0.63	<2.5	<0.50	<2.5	<1.0
trans-1,2-Dichloroethene	1.7 Q	<0.55	<0.55	<0.80	<0.50	<0.50	<0.11	<0.80	<2.5	<0.50	<2.5	<1.0
Trichloroethene	***80***	***37***	***76***	***80***	***58***	***95***	***14***	***17***	***18***	***13***	***8.1***	***13***
Vinyl chloride	<1.2	<0.8	<0.8	<0.11	<0.50	<0.20	<0.16	<0.11	<2.5	<0.20	<1.0	<0.40

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Table 5. Groundwater VOC Analytical Results, Power House Fuel Oil AST Site, Tomah Yard, Tomah, Wisconsin.

Well Name	AMW-33					
Sample Date	**8/15/02**	**11/7/02**	**6/10/03**	**10/15/03**	**7/8/04**	**10/6/04**
Petroleum VOC						
1,2,4-Trimethylbenzene	<0.11	<0.69	<0.25	<0.20	<0.20	<0.20
1,3,5-Trimethylbenzene	0.17 Q	<0.64	<0.25	<0.20	<0.20	<0.20
Benzene	<0.08	0.45 Q	0.27 Q	<0.20	<0.20	<0.20
Ethylbenzene	<0.08	<0.53	<0.50	<0.50	<0.50	<0.50
Isopropylbenzene	<0.07	<0.66	<0.25	<0.20	<0.20	<0.20
Naphthalene	<0.1	2.7	<0.25	<0.25	<0.25	<0.25
n-Butylbenzene	<0.11	<0.65	<0.25	<0.20	<0.20	<0.20
n-Propylbenzene	<0.15	<0.95	<0.50	<0.50	<0.50	<0.50
p-Isopropyltoluene	<0.12	<0.58	<0.25	<0.20	<0.20	<0.20
sec-Butylbenzene	<0.1	0.89 Q	<0.25	0.4 Q	<0.25	<0.25
tert-Butylbenzene	<0.08	<0.96	<0.25	<0.20	<0.20	<0.20
Toluene	<0.08	<0.84	<0.25	<0.20	<0.20	<0.20
Xylene, -o	<0.13	<0.73	NA	NA	NA	NA
Xylenes, -m, -p	0.68 Q	<1.1	NA	NA	NA	NA
Xylenes (total)	NA	NA	<0.50	<0.50	<0.50	<0.50
Chlorinated VOC						
1,1,1-Trichloroethane	<0.14	<0.65	<0.50	<0.50	<0.50	<0.50
1,1-Dichloroethane	<0.15	<0.87	<0.50	<0.50	<0.50	<0.50
1,1-Dichloroethene	<0.11	<0.56	<0.50	<0.50	<0.50	<0.50
1,4-Dichlorobenzene	<0.31	<0.63	<0.25	<0.20	<0.20	<0.20
Bromodichloromethane	<0.06	<0.23	<0.25	<0.20	<0.20	<0.20
Chloroform	<0.1	<0.45	<0.25	<0.20	<0.20	<0.20
cis-1,2-Dichloroethene	***16***	***76***	***24***	***53***	***24***	***36***
Tetrachloroethene	<0.15	<0.63	***2.2***	<0.50	<0.50	<0.50
trans-1,2-Dichloroethene	0.23 Q	1.4 Q	<0.50	1 Q	0.58 Q	0.86 Q
Trichloroethene	***23***	***18***	***21***	***22***	***12***	***20***
Vinyl chloride	<0.16	<0.11	<0.50	<0.20	<0.20	<0.20

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Table 5. Groundwater VOC Analytical Results, Power House Fuel Oil AST Site, Tomah Yard, Tomah, Wisconsin.

Results reported in micrograms per liter.

100	Concentration exceeds the NR 140 Preventive Action Limit (PAL).
	Concentration exceeds the NR 140 Enforcement Standard (ES).
(a)	Isomers of this compound must be added together for comparison to NR 140 criteria.
AST	Aboveground Storage Tank.
NA	Not analyzed.
NE	Not established.
NR	Natural Resources.
Q	Result is between the limit of detection and the limit of quantitation.
VOC	Volatile organic compounds.

Table 6. Groundwater Monitoring Well PAH Analytical Results, Power House Fuel Oil AST, Tomah Yard, Tomah, Wisconsin.

Monitoring Well	NR 140	NR 140	RMW-1r		RMW-2		RMW-3		RMW-4	
Sample Date	ES	PAL	8/15/02	11/6/02	8/15/02	11/7/02	8/14/02	11/7/02	8/14/02	11/7/02
1-Methylnaphthalene	NE	NE	<0.095	0.044 Q	<0.095	<0.017	<0.095	<0.017	<0.095	<0.017
2-Methylnaphthalene	NE	NE	<0.096	<0.017	<0.096	<0.017	<0.096	<0.017	<0.096	<0.017
Acenaphthene	NE	NE	<0.053	0.035 Q	<0.053	<0.018	<0.053	<0.018	<0.053	<0.018
Acenaphthylene	NE	NE	<0.16	<0.019	<0.16	<0.019	<0.16	<0.019	<0.16	<0.019
Anthracene	3,000	600	<0.024	<0.020	<0.024	0.030 Q	<0.024	<0.020	<0.024	<0.020
Benzo(a)anthracene	NE	NE	<0.03	<0.012	<0.03	<0.012	<0.03	<0.012	<0.03	<0.012
Benzo(a)pyrene	0.2	0.02	<0.022	<0.014	<0.022	<0.014	<0.022	<0.014	<0.022	<0.014
Benzo(b)fluoranthene	0.2	0.02	<0.036	<0.013	<0.036	<0.013	<0.036	<0.013	<0.036	<0.013
Benzo(g,h,i)perylene	NE	NE	<0.087	<0.016	<0.087	<0.016	<0.087	<0.016	<0.087	<0.016
Benzo(k)fluoranthene	NE	NE	<0.067	<0.019	<0.067	<0.019	<0.067	<0.019	<0.067	<0.019
Chrysene	0.2	0.02	<0.022	<0.014	<0.022	<0.014	<0.022	<0.014	<0.022	<0.014
Dibenzo(a,h)anthracene	NE	NE	<0.036	<0.016	<0.036	<0.016	<0.036	<0.016	<0.036	<0.016
Fluoranthene	400	80	<0.053	<0.013	<0.053	<0.013	<0.053	<0.013	<0.053	<0.013
Fluorene	400	80	<0.025	0.054	<0.025	<0.017	<0.025	<0.017	<0.025	<0.017
Indeno(1,2,3-cd)pyrene	NE	NE	<0.03	<0.021	<0.03	<0.021	<0.03	<0.021	<0.03	<0.021
Naphthalene	40	8	<0.067	0.026 Q	<0.067	<0.024	<0.067	<0.024	<0.067	<0.024
Phenanthrene	NE	NE	<0.036	0.035 Q	<0.036	<0.016	<0.036	<0.016	<0.036	<0.016
Pyrene	250	50	<0.13	<0.017	<0.13	<0.017	<0.13	<0.017	<0.13	<0.017

Results reported in micrograms per liter.

100 Concentration exceeds the NR 140 Preventive Action Limit (PAL).

100 Concentration exceeds the NR 140 Enforcement Standard (ES).

AST Aboveground storage tank.

NE Not established.

NR Natural Resources.

PAH Polycyclic aromatic hydrocarbon.

Q Result is between the limit of detection and the limit of quantitation.

Table 6. Groundwater Monitoring Well PAH Analytical Results, Power House Fuel Oil AST, Tomah Yard, Tomah, Wisconsin.

Monitoring Well	RMW-7S		RMW-11		AMW-32			
Sample Date	**8/15/02**	**11/7/02**	**8/15/02**	**11/6/02**	**8/15/02**	**11/7/02**	**6/10/03**	**10/15/03**
1-Methylnaphthalene	<0.095	<0.017	<0.095	<0.017	<0.095	57 D	78	55
2-Methylnaphthalene	<0.096	<0.017	<0.096	<0.017	<0.096	60 D	62	25
Acenaphthene	<0.053	<0.018	<0.053	<0.018	<0.053	2.1	3.3	1.9 Q
Acenaphthylene	<0.16	<0.019	<0.16	<0.019	<0.16	<0.38	<0.26	<0.26
Anthracene	<0.024	<0.020	<0.024	<0.020	<0.024	<0.40	0.91	0.16
Benzo(a)anthracene	<0.03	<0.012	<0.03	<0.012	<0.03	<0.24	1.5	0.24
Benzo(a)pyrene	<0.022	<0.014	<0.022	<0.014	<0.022	<0.28	***0.079 Q***	<0.035
Benzo(b)fluoranthene	<0.036	<0.013	<0.036	<0.013	<0.036	<0.26	***0.12 Q***	<0.056
Benzo(g,h,i)perylene	<0.087	<0.016	<0.087	<0.016	<0.087	<0.32	<0.10	<0.10
Benzo(k)fluoranthene	<0.067	<0.019	<0.067	<0.019	<0.067	<0.38	0.072 Q	<0.047
Chrysene	<0.022	<0.014	<0.022	<0.014	<0.022	<0.28	***0.37***	<0.05
Dibenzo(a,h)anthracene	<0.036	<0.016	<0.036	<0.016	<0.036	<0.32	<0.067	<0.067
Fluoranthene	<0.053	<0.013	<0.053	0.013 Q	<0.053	<0.26	3.1	1.7
Fluorene	<0.025	<0.017	<0.025	<0.017	<0.025	2.9	7.9	4.5
Indeno(1,2,3-cd)pyrene	<0.03	<0.021	<0.03	<0.021	<0.03	<0.42	<0.033	<0.033
Naphthalene	<0.067	<0.024	<0.067	<0.024	<0.067	***55 D***	***92***	***35***
Phenanthrene	<0.036	<0.016	<0.036	<0.016	<0.036	3.9	4.8	3.5
Pyrene	<0.13	<0.017	<0.13	<0.017	<0.13	<0.34	2.1	0.51

Results reported in micrograms per liter.

100 Concentration exceeds the NR 140 Preventive Action Limit (PAL).

100 Concentration exceeds the NR 140 Enforcement Standard (ES).

AST Aboveground storage tank.

NE Not established.

NR Natural Resources.

PAH Polycyclic aromatic hydrocarbon.

Q Result is between the limit of detection and the limit of quantitation.

Table 6. Groundwater Monitoring Well PAH Analytical Results, Power House Fuel Oil AST, Tomah Yard, Tomah, Wisconsin.

Monitoring Well	AMW-33	
Sample Date	8/15/02	11/7/02
1-Methylnaphthalene	<0.095	0.076
2-Methylnaphthalene	<0.096	0.037 Q
Acenaphthene	<0.053	<0.018
Acenaphthylene	<0.16	<0.019
Anthracene	<0.024	0.038 Q
Benzo(a)anthracene	<0.03	<0.012
Benzo(a)pyrene	<0.022	<0.014
Benzo(b)fluoranthene	<0.036	<0.013
Benzo(g,h,i)perylene	<0.087	<0.016
Benzo(k)fluoranthene	<0.067	<0.019
Chrysene	<0.022	<0.014
Dibenzo(a,h)anthracene	<0.036	<0.016
Fluoranthene	<0.053	<0.013
Fluorene	<0.025	0.19
Indeno(1,2,3-cd)pyrene	<0.03	<0.021
Naphthalene	<0.067	0.13
Phenanthrene	<0.036	0.22
Pyrene	<0.13	<0.017

Results reported in micrograms per liter.

100 Concentration exceeds the NR 140 Preventive Action Limit (PAL).

100 Concentration exceeds the NR 140 Enforcement Standard (ES).

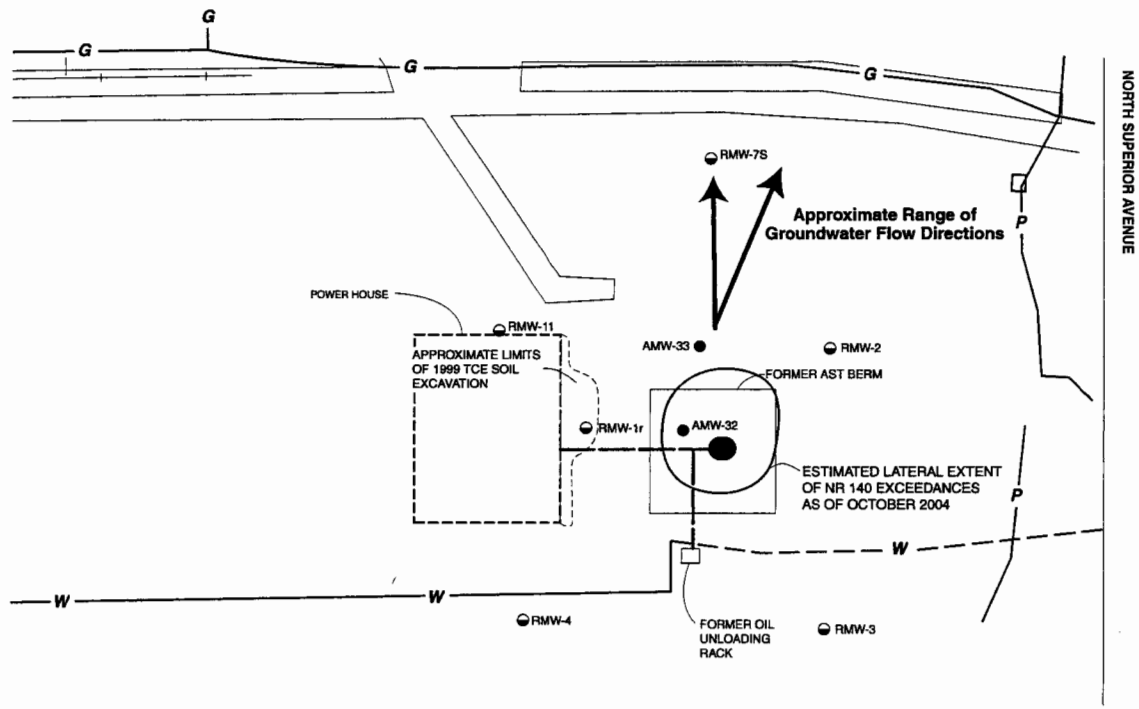
AST Aboveground storage tank.

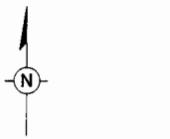
NE Not established.

NR Natural Resources.

PAH Polycyclic aromatic hydrocarbon.

Q Result is between the limit of detection and the limit of quantitation.





0 25 50 100

APPROXIMATE SCALE IN FEET

EXPLANATION

- FORMER RAILROAD TRACK
- FOUNDATION OF FORMER BUILDING
- MONITORING WELL INSTALLED BY ARCADIS
- RMW-2 MONITORING WELL INSTALLED BY REI
- GP/RGP3/RB7 GEOPROBE OR AUGER BORING INSTALLED BY REI
- FORMER 17,000-GALLON FUEL OIL ABOVEGROUND STORAGE TANK (AST)
- FORMER AST PIPING
- W WATER LINE (Location inferred where dashed)
- G GAS LINE
- P POWER LINE

ARCADIS

LATERAL EXTENT OF PVOC GROUNDWATER IMPACTS THAT EXCEED NR 140 STANDARDS POWER HOUSE AST

CANADIAN PACIFIC RAILWAY
TOMAH YARD
TOMAH, WISCONSIN

FIGURE 8

Table 8. Static Groundwater Elevation Data, Tomah Yard, Tomah, Wisconsin.

Monitoring Well	Top-of-Casing Elevation (ft msl)	Ground Surface Elevation (ft msl)	Measurement Date	Depth to Water (feet)	Water Level Elevation (ft msl)
AMW-1	958.80	956.69	10/13/00	6.73	952.07
			8/12/02	6.02	952.78
			11/4/02	6.02	952.78
			6/9/03	6.12	952.68
			10/12/03	7.15	951.65
AMW-2	964.43	962.77	10/13/00	13.18	951.25
			8/12/02	12.26	952.17
			11/4/02	12.38	952.05
			6/9/03	12.39	952.04
			10/12/03	14.03	950.40
AMW-3	960.27	957.72	10/13/00	8.36	951.91
			8/12/02	6.80	953.47
			11/4/02	7.15	953.12
			6/9/03	7.33	952.94
			10/12/03	9.20	951.07
AMW-4	957.33	957.89	10/13/00	6.46	950.87
			8/12/02	5.29	952.04
			11/4/02	5.58	951.75
			6/9/03	5.52	951.81
			10/12/03	7.25	950.08
AMW-5	960.01	957.25	10/13/00	11.48	948.53
			8/12/02	10.91	949.10
			11/4/02	10.60	949.41
			6/9/03	10.54	949.47
			10/12/03	12.15	947.86
AMW-6	961.82	959.61	10/13/00	11.10	950.72
			8/12/02	9.74	952.08
			11/4/02	9.59	952.23
			6/9/2003	NM	NM
			10/12/03	12.00	949.82
AMW-7	958.05	955.24	10/13/00	8.05	950.00
			8/12/02	6.94	951.11
			11/4/02	6.74	951.31
			6/9/03	6.92	951.13
			10/12/03	8.86	949.19
AMW-8	956.13	953.86	10/13/00	6.58	949.55
			8/12/02	5.49	950.64
			11/4/02	5.24	950.89
			6/9/03	5.40	950.73
			10/12/03	7.38	948.75
AMW-9	956.83	954.23	10/13/00	8.33	948.50
			8/12/02	7.26	949.57
			11/4/02	6.87	949.96
AMW-10	955.57	953.23	10/13/00	7.02	948.55
			8/12/02	6.03	949.54
			11/4/02	5.55	950.02
			6/9/03	5.70	949.87
			10/12/03	7.77	947.80

Footnote on Page 4.

Table 8. Static Groundwater Elevation Data, Tomah Yard, Tomah, Wisconsin.

Monitoring Well	Top-of-Casing Elevation (ft msl)	Ground Surface Elevation (ft msl)	Measurement Date	Depth to Water (feet)	Water Level Elevation (ft msl)
AMW-11	955.81	954.13	8/12/02	5.50	950.31
			11/4/02	5.18	950.63
			6/9/03	5.37	950.44
			10/12/03	7.36	948.45
AMW-12	954.79	952.91	8/12/02	4.37	950.42
			11/4/02	4.06	950.73
			6/9/03	4.26	950.53
			10/12/03	6.21	948.58
AMW-13	959.57	957.57	8/12/02	6.44	953.13
			11/4/02	6.81	952.76
			6/9/03	6.95	952.62
			10/12/03	8.81	950.76
AMW-14	959.53	957.51	8/12/02	6.53	953.00
			11/4/02	6.92	952.61
			6/9/03	7.08	952.45
			10/12/03	8.91	950.62
AMW-16	964.26	961.52	8/12/02	12.27	951.99
			11/4/02	12.57	951.69
			6/9/03	12.48	951.78
			10/12/03	14.25	950.01
AMW-17r	960.96	957.80	8/12/02	8.09	952.87
			11/4/02	8.45	952.51
			6/9/03	8.53	952.43
			10/12/03	10.31	950.65
AMW-18	959.32	957.25	8/12/02	5.88	953.44
			11/4/02	6.18	953.14
			6/9/03	6.43	952.89
			10/12/03	8.32	951.00
AMW-19	959.38	957.26	8/12/02	5.94	953.44
			11/4/02	6.24	953.14
			6/9/03	6.42	952.96
			10/12/03	8.34	951.04
AMW-21	965.24	962.77	8/12/02	13.14	952.10
			11/4/02	13.12	952.12
			6/9/03	13.19	952.05
			10/12/03	14.53	950.71
AMW-22	954.94	952.97	8/12/02	5.26	949.68
			11/4/02	4.76	950.18
			6/9/03	4.82	950.12
			10/12/03	6.98	947.96
AMW-23	955.52	953.51	8/12/02	6.10	949.42
			11/4/02	5.61	949.91
			6/9/03	5.75	949.77
			10/12/03	7.81	947.71
AMW-24	953.09	953.40	8/12/02	3.69	949.40
			11/4/02	3.30	949.79
			6/9/03	3.35	949.74
			10/12/03	5.45	947.64

Footnote on Page 4.

Table 8. Static Groundwater Elevation Data, Tomah Yard, Tomah, Wisconsin.

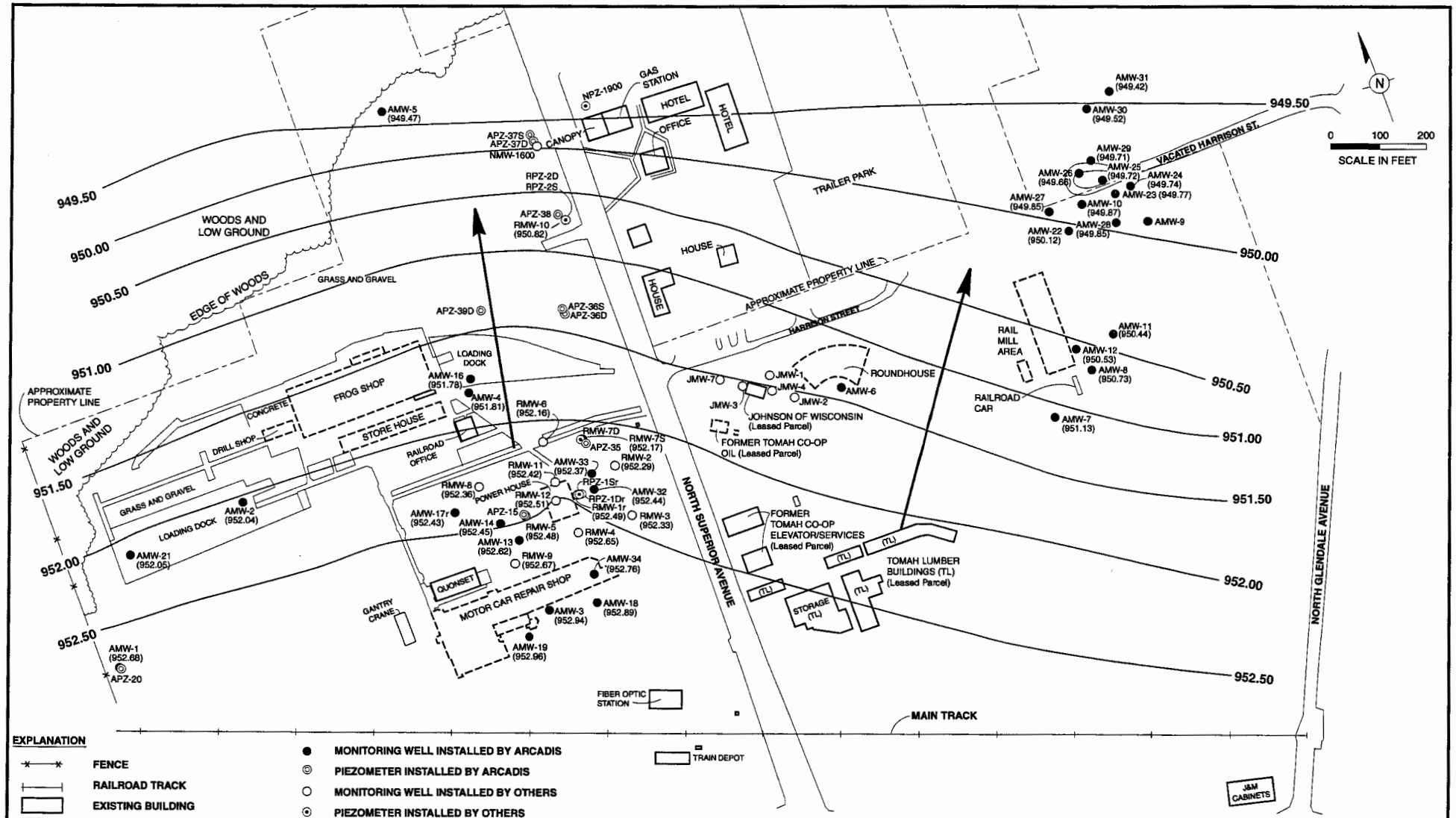
Monitoring Well	Top-of-Casing Elevation (ft msl)	Ground Surface Elevation (ft msl)	Measurement Date	Depth to Water (feet)	Water Level Elevation (ft msl)
AMW-25	953.15	953.49	8/12/02	3.72	949.43
			11/4/02	3.34	949.81
			6/9/03	3.43	949.72
			10/12/03	5.49	947.66
AMW-26	952.96	953.36	8/12/02	3.60	949.36
			11/4/02	3.14	949.82
			6/9/03	3.30	949.66
			10/12/03	5.34	947.62
AMW-27	955.00	953.01	8/12/02	5.49	949.51
			11/4/02	4.92	950.08
			6/9/03	5.15	949.85
			10/12/03	7.17	947.83
AMW-28	955.08	953.05	8/12/02	5.53	949.55
			11/4/02	5.08	950.00
			6/9/03	5.23	949.85
			10/12/03	7.29	947.79
AMW-29	952.78	953.17	8/13/02	3.02	949.76
			11/4/02	2.96	949.82
			6/9/03	3.07	949.71
			10/12/03	5.11	947.67
AMW-30	957.65	954.57	8/12/02	8.46	949.19
			11/4/02	8.03	949.62
			6/9/03	8.13	949.52
			10/12/03	10.17	947.48
AMW-31	955.66	953.47	8/12/02	6.55	949.11
			11/4/02	6.17	949.49
			6/9/03	6.24	949.42
			10/12/03	8.31	947.35
AMW-32	961.47	958.61	8/12/02	8.64	952.83
			11/4/02	8.93	952.54
			6/9/03	9.03	952.44
			10/12/03	10.97	950.50
			6/30/04	7.03	954.44
			10/4/04	9.62	951.85
AMW-33	961.21	958.13	8/12/02	8.48	952.73
			11/4/02	8.74	952.47
			6/9/03	8.84	952.37
			10/12/03	10.76	950.45
AMW-34	957.48	957.94	6/9/03	4.72	952.76
			10/12/03	6.60	950.88
RMW-1r	958.36	958.48	8/12/02	5.46	952.90
			11/4/02	5.79	952.57
			6/9/03	5.87	952.49
			10/12/03	7.79	950.57
RMW-2	961.05	958.31	8/15/02	8.42	952.63
			11/4/02	8.67	952.38
			6/9/03	8.76	952.29
			10/12/03	10.70	950.35

Footnote on Page 4.

Table 8. Static Groundwater Elevation Data, Tomah Yard, Tomah, Wisconsin.

Monitoring Well	Top-of-Casing Elevation (ft msl)	Ground Surface Elevation (ft msl)	Measurement Date	Depth to Water (feet)	Water Level Elevation (ft msl)
RMW-3	960.71	957.66	8/12/02	7.94	952.77
			11/4/02	8.20	952.51
			6/9/03	8.38	952.33
			10/12/03	10.28	950.43
RMW-4	957.21	957.56	8/12/02	4.05	953.16
			11/4/02	4.40	952.81
			6/9/03	4.56	952.65
			10/12/03	6.50	950.71
RMW-5	957.50	957.70	8/12/02	4.54	952.96
			11/4/02	4.90	952.60
			6/9/03	5.02	952.48
			10/12/03	6.87	950.63
RMW-6	957.46	957.74	8/12/02	4.98	952.48
			11/4/02	5.27	952.19
			6/9/03	5.30	952.16
			10/12/03	7.16	950.30
RMW-7S	957.10	957.83	8/12/02	4.66	952.44
			11/4/02	4.88	952.22
			6/9/03	4.93	952.17
			10/12/03	6.80	950.30
RMW-8	957.09	957.50	8/12/02	4.29	952.80
			11/4/02	4.66	952.43
			6/9/03	4.73	952.36
			10/12/03	6.51	950.58
RMW-9	957.37	957.75	8/12/02	4.15	953.22
			11/4/02	4.51	952.86
			6/9/03	4.70	952.67
			10/12/03	6.55	950.82
RMW-10	957.14	957.50	8/12/02	6.40	950.74
			11/4/02	6.44	950.70
			6/9/03	6.32	950.82
			10/12/03	8.13	949.01
RMW-11	957.86	958.19	8/12/02	5.03	952.83
			11/4/02	5.36	952.50
			6/9/03	5.44	952.42
			10/12/03	7.34	950.52
RMW-12	958.51	958.92	10/13/00	6.96	951.55
			8/12/02	5.55	952.96
			11/4/02	5.91	952.60
			6/9/03	6.00	952.51
			10/12/03	7.90	950.61

ft msl Feet above mean sea level.



EXPLANATION

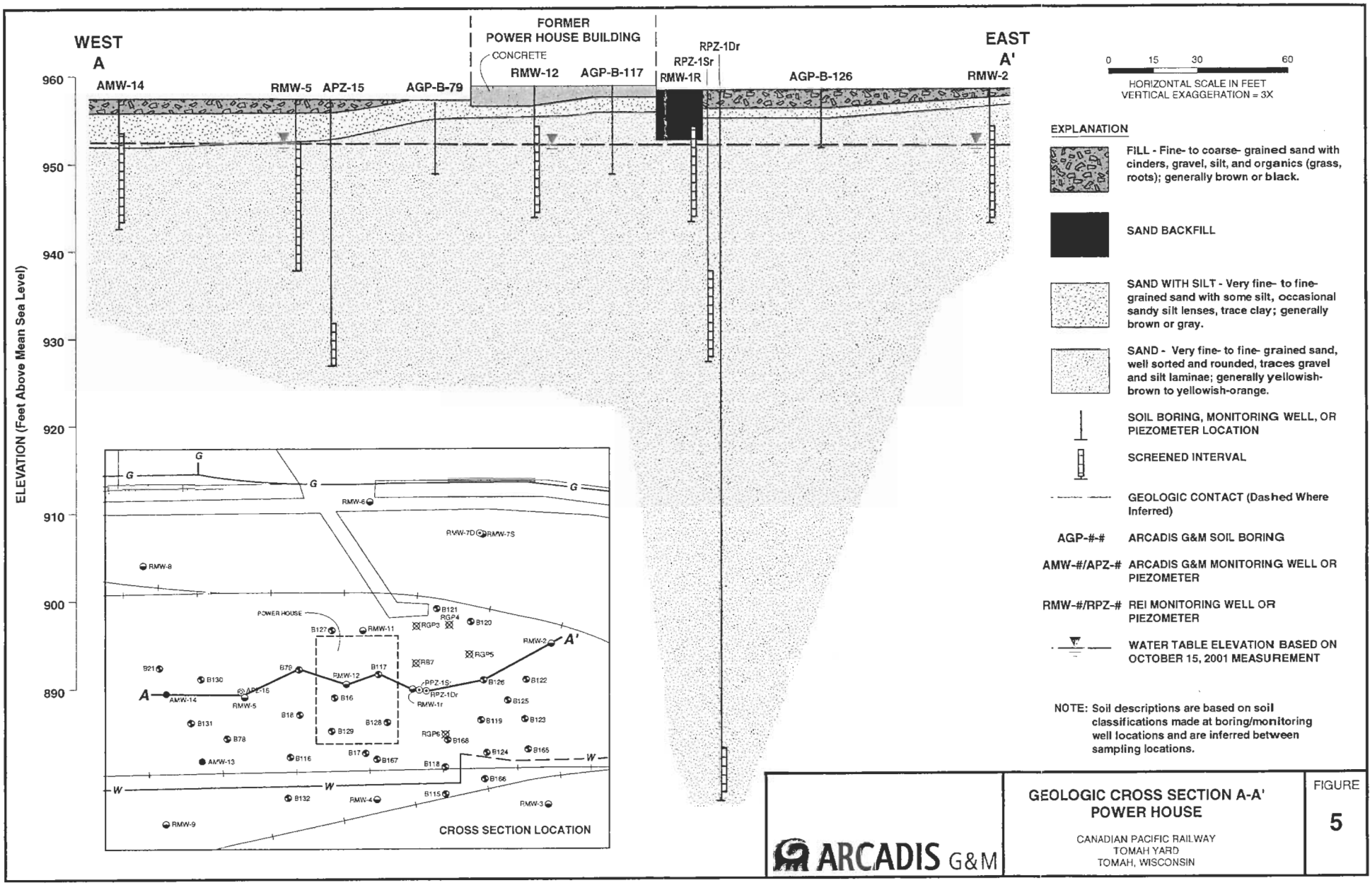
- FENCE
- RAILROAD TRACK
- EXISTING BUILDING
- FOUNDATION OF FORMER BUILDING
- 952 — WATER TABLE CONTOUR
- (952.62) WATER TABLE ELEVATION
- HORIZONTAL GROUNDWATER FLOW DIRECTION
- ● MONITORING WELL INSTALLED BY ARCADIS
- ◎ PIEZOMETER INSTALLED BY ARCADIS
- ○ MONITORING WELL INSTALLED BY OTHERS
- ⊙ PIEZOMETER INSTALLED BY OTHERS
- r REPLACEMENT WELL/PIEZOMETER

AMW/APZ wells installed by ARCADIS
RMW/RPZ wells installed by Remedial Engineering, Inc.
JMW wells installed by Mid-State Associates
NMW/NPZ wells installed byNorthern Environmental

ARCADIS

WATER TABLE ELEVATIONS AND CONTOURS
JUNE 9, 2003
CANADIAN PACIFIC RAILWAY
TOMAH YARD
TOMAH, WISCONSIN

FIGURE
3



ARCADIS G&M

GEOLOGIC CROSS SECTION A-A'
POWER HOUSE

CANADIAN PACIFIC RAILWAY
TOMAH YARD
TOMAH, WISCONSIN

FIGURE
5