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

 For DNR County and Region list go to: g:\pf\pecfa\site\gis\BRRTS County and Region Codes.xls

• To begin, click on cell to the right of; This is a:

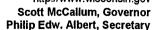
• Use Tab, ↓ or Pg Down to navigate form. Print & include with file when completed.

| This is a: | New Submittal | |
|--|--|---------------------------|
| BRRTS ID (no dashes): | 0345245541 | |
| Comm # (no dashes): | 54944940925 | |
| County: | Outagamie | |
| Region: | Northeast | |
| Site name: | American Toy and Furniture | |
| Street Address: | 825 W Main St | |
| City: | Hortonville | |
| Final Closure Date | 2002-04-22 | |
| Closure Conditions: | met Continuing obliga | ntions no longer apply. |
| Off-source property contamination? | NO | further information. |
| (If yes, attach locational data and deed information on pg. 2) | See BOTW IOI | iditilei illioilliatioli. |
| Right-of-way contamination? | No | |
| Contaminated media: | Groundwater | |
| GPS Coordinates (meters in the WTMS | 91 projection) | |
| Easting (X): | 627284.000000000 | |
| Northing (Y): | 430232.000000000 | |
| Collection Method: | Direct Location | |
| Scale or Resolution: | 1:07,289 | |
| (1:24,000 scale or finer) | ("1:" and comma is de | efault) |
| Prepared by: | Cheryl Nelson | |
| Submitted by: | Cheryl Nelson | |
| NR 140 ES | which includes legal description for all the deed(s) refers to a certified survey | |
| ☑ Parcel ID for all properties w/ € ☑ General Location Map ☑ Detailed Location Map showing etc for properties with GW > NF ☐ Latest Map(s) showing extent € ☑ Map showing GW flow direction ☑ Latest Table of GW results ☑ Geologic cross section (if general | GW > NR 140 ES g property boundaries, buildings, MW(R140 ES or outline of current GW plume (isocor | ncentrations) |

2129 Jackson Street

Oshkosh, Wisconsin 54901-1805 TDD #: (608) 264-8777

Fax #: (920) 424-0217 http://www.commerce.state.wi.us http://www.wisconsin.gov





April 22, 2002

Mr. Barry Jennerjohn PO Box 274 825 Main St Hortonville, WI 54944 Mr. Michael Hendrick Outagamie County 410 S. Walnut Street Appleton WI 54911

RE:

Final Closure

Commerce # 54944-9409-25

WDNR BRRTS # 03-45-245541

American Toy and Furniture, 825 W Main St, Hortonville

550-gallon gasoline UST

Dear Mr. Jennerjohn and Mr. Hendrick:

This letter acknowledges receipt of the information requested in the Wisconsin Department of Commerce's (Commerce) conditional closure letter, dated January 25, 2002. On April 16, 2002, Commerce received a copy of the recorded soil deed affidavit and groundwater use restriction. Please note that Commerce is making no determination as to the accuracy of the legal description information. Also, the requirement to abandon monitoring well MW-1 has been waived at this time. This well will be used and subsequently abandoned as part of an ongoing investigation/remediation proceeding under the jurisdiction of the Wisconsin Department of Natural Resources.

This site is now listed as "closed" on the Commerce database. It is in your best interest to keep all documentation related to the investigation and remediation of your site.

If future site conditions indicate that any remaining contamination poses a threat, and subsequent information indicates a need to reopen this case, any original claim under the PECFA fund would also reopen and you may apply for assistance to the extent of remaining eligibility.

Thank you for your efforts to protect Wisconsin's environment. If you have any questions, please contact me in writing at the letterhead address or by telephone at (920) 424-0025.

Sincerely,

Thomas Verstegen

Department of Commerce

PECFA - Site Review Section

CC:

Brian Wayner – OMNNI Associates Jennifer Tobias – WDNR (electronic)

Case File

1459354

Document Number

NOTICE OF CONTAMINATION TO PROPERTY

Legal Description of the Property: In re: PRT OF NW SW LYG N OF HY & S OF RR & INCL 3 FT STRIP OF RR IN 731R405 SEC35 T22N R15E 9 AC M /L, Document # 1269214.

(A SITE MAP INDICATING THE CONTAMINATED PROPERTY IS ATTACHED AS EXHIBIT A.)

STATE OF WISCONSIN)
COUNTY OF OUTAGAMIE)

OUTAGAMIE COUNTYRECEIVED FOR RECORD

MAR 2 8 2002

AT O'CLOCK A.M. P.M.
JANICE FLENZ
REGISTER OF DEEDS

Recording Area

Name and Return Address

Outagamie County Corp. Counsel 410 S. Walnut Street Appleton, WI 54911

24-0-0312-00

Parcel Identification Number (PIN)

Section 1. Outagamie County is the owner of the above-described property.

Section 2. One or more petroleum discharges have occurred at this property. Benzene contaminated groundwater above NR 140 enforcement standards and soils above NR 720 residual contaminant levels of the Wisconsin Administrative Code exist(s) on this property in the area of the former underground storage tank.

Section 3. The owner hereby declares that all of the property described above is held and shall be held, conveyed or encumbered, leased, rented, used, occupied and improved subject to the following limitations and/or restrictions:

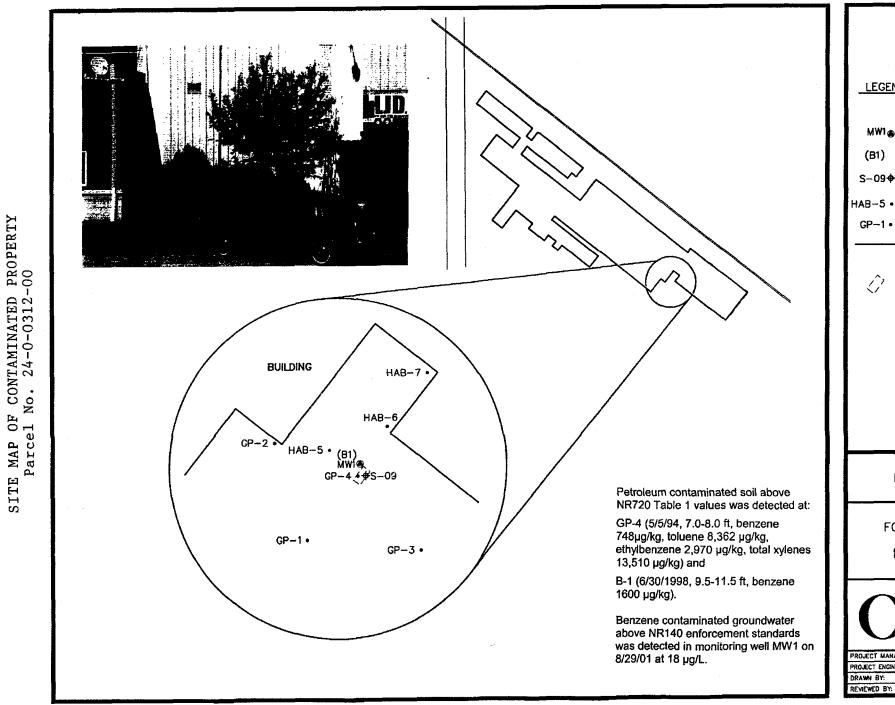
Anyone who proposes to construct or reconstruct a well on this property is required to contact the Department of Natural Resources' Bureau of Drinking Water and Groundwater, or its successor agency, to determine what specific prohibitions or requirements are applicable, prior to constructing or reconstructing a well on this property. No well may be constructed or reconstructed on this property unless applicable requirements are met.

Also,

Residual petroleum contaminated soil above NR720 Table 1 values remains on this site in the area of the former underground storage tank. Natural attenuation is the approved remedial alternative for this site. If contaminated soil is excavated in the future, it may be considered a solid waste and will need to be disposed in accordance with all applicable laws.

Any person who is or becomes owner of the property described above may request that the Wisconsin Department of Commerce, or its successor, issue a determination that the restrictions set forth in this covenant are no longer required. That property owner shall provide any and all necessary information to the Department in order for the Department to be able to make a determination. Upon receipt of such a request, the Department shall determine whether or not the restrictions contained herein can be extinguished. Conditions under which a restriction may be extinguished will be determined in accordance with the site specific standards, rules and laws for this property. If the Department determines that the restrictions can be extinguished, an affidavit, with a copy of the Department's written determination, may be recorded to give notice that this restriction, or portions of this restriction are no longer binding. Any restriction placed upon this property shall not be extinguished without the Department's written determination.

| IN WITNESS WHEREOF, the owner of the property have executed this document, this day of March, 2002. |
|--|
| When appropriate use the following clause]: |
| By signing this document, [he/she] acknowledges that [he/she] is duly authorized to sign this document on behalf of OUTAGAMIE COUNTY |
| Signature: Dobert 91 Gotten MI |
| Printed Name: Robert N. Paltzet, Jr. |
| Title:County Executive |
| Subscribed and sworn to before me |
| Joseph P. Guidote, Jr. Notary Public, State of Wisconsin |
| My commission is Permanent |



LEGEND:

Well Location and I.D. No.

Soil Boring Location and I.D No. (B1)

LOCAL CRID NORTH

Soil Boring Location and LD No. S-09+

Hand Boring Location and I.D No. HAB-5 •

Geoprobe Location and I.D No.

Building Face

Approximate Location of Former 550 Gallon Gasoline Underground Strooge Tank

FORMER 550 GALLON UST AREA DETAIL

FORMER AMERICAN TOY & FURNITURE COMPANY HORTONVILLE, WISCONSIN

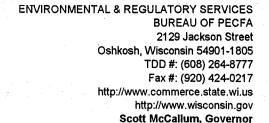


ONE SYSTEMS DRIVE APPLETON, W 54914 PHONE (920) 735-6900 FAX (920) 830-8100

9/4/0

PROJECT MANAGER: BDW PROJECT NO: N1666A0 BDW CAD FILE NO: N1556A4 PROJECT ENGINEER: DRAWN BY: OLO SCALE: DATE:

SITE



Philip Edw. Albert, Secretary



January 25, 2002

Mr. Robert Stadel Outagamie County 410 Walnut Street Appleton WI 54911

RE:

Conditional Case Closure

Commerce # 54944-9409-25 WDNR BRRTS # 03-45-245541 American Toy and Furniture, 825 W Main St, Hortonville

550-gallon gasoline UST

Dear Mr. Stadel:

On October 30, 2001, the Wisconsin Department of Commerce (Commerce) PECFA Site Review Section received a request for case closure, dated September 2001, from Omnni Associates, Inc. It is understood that residual soil and groundwater contamination remains onsite. Using the standards established in the NR 700 series, Wisconsin Administrative Code (Wis. Adm. Code), Commerce has determined that this site does not pose a significant threat to the environment and human health. No further investigation or remedial action is necessary.

The presence of residual groundwater contamination above an enforcement standard necessitates that the owner sign and record a groundwater use restriction for the property.

The following conditions must be satisfied to obtain final closure:

1. A notification must be place on the property deed addressing residual soil and groundwater contamination on the above-referenced property. For case closure Commerce will need a copy of the deed instrument containing the County Register of Deeds' recording information. Commerce suggests including a site map indicating where the remaining contamination exists. Enclosed is an example of a "Notice of Contamination to Property" for your use. If you wish to modify the language, submit a copy to this office for approval prior to filing. If an electronic copy of the "Notice of Contamination to Property" is desired, you may contact Commerce and a copy will be forwarded to you.

Please note: As of November 1, 2001, you may elect to have this site recorded on the Wisconsin Department of Natural Resources (WDNR) Geographic Information System (GIS) Registry in place of filing a groundwater use restriction. The GIS Registry is a database listing all closed remediation sites and is available to the public via the Internet. For more information regarding the registration process, including fee and documentation requirements, refer to the enclosed GIS Registry information. If you elect to use the

no owner/contact on record

Commerce # 54944-9409-25 WDNR BRRTS # 03-45-24554'

American Toy and Furniture, 825 W Main St, Hortonville

January 25, 2002

Page 2

Registry to address the residual groundwater contamination, you are still required to execute and record the deed affidavit to address the residual soil contamination.

2. The abandonment of MW-1, associated with the UST site, and submittal of the well abandonment form (WDNR Form 3300-5B) to this office. Prior to well abandonment, please check with the WDNR to make sure that MW-1 is not required for any other environmental investigation currently being undertaken on this property.

As of August 31, 2001, State Statute 101.143 requires PECFA claimants seeking reimbursement of interest costs to submit a final reimbursement claim within 120 days after they receive written notification that no further action is required with respect to the discharge at their site. This letter serves as your written notice of "no further action". If your claim is not received within 120 days of the date of this letter, interest costs incurred after 60 days of the date of this letter will not be eligible for PECFA reimbursement. Costs associated with recording deed notices or other restrictions are not eligible for PECFA reimbursement, and the recording of these notices should not delay the claim submittal process.

Thank you for your efforts to protect Wisconsin's environment. If you have any questions, please contact me in writing at the letterhead address or by telephone at (920) 424-0025.

Sincerely,

Thomas Verstegen

Department of Commerce

PECFA - Site Review Section

CC:

Barry Jennerjohn, PO Box 274, Hortonville WI 54944

Brian Wayner - OMNNI Associates

Case File

APPROXIMATE SCALE: 1" = 1500'

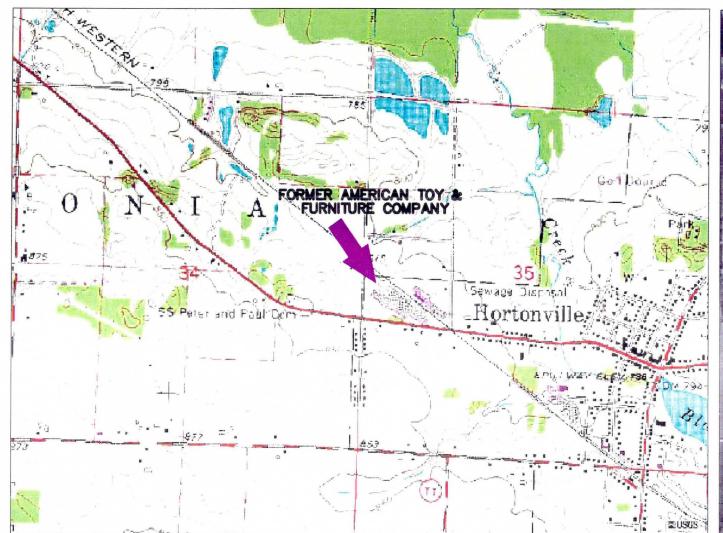








FIGURE 1 SITE LOCATION MAP

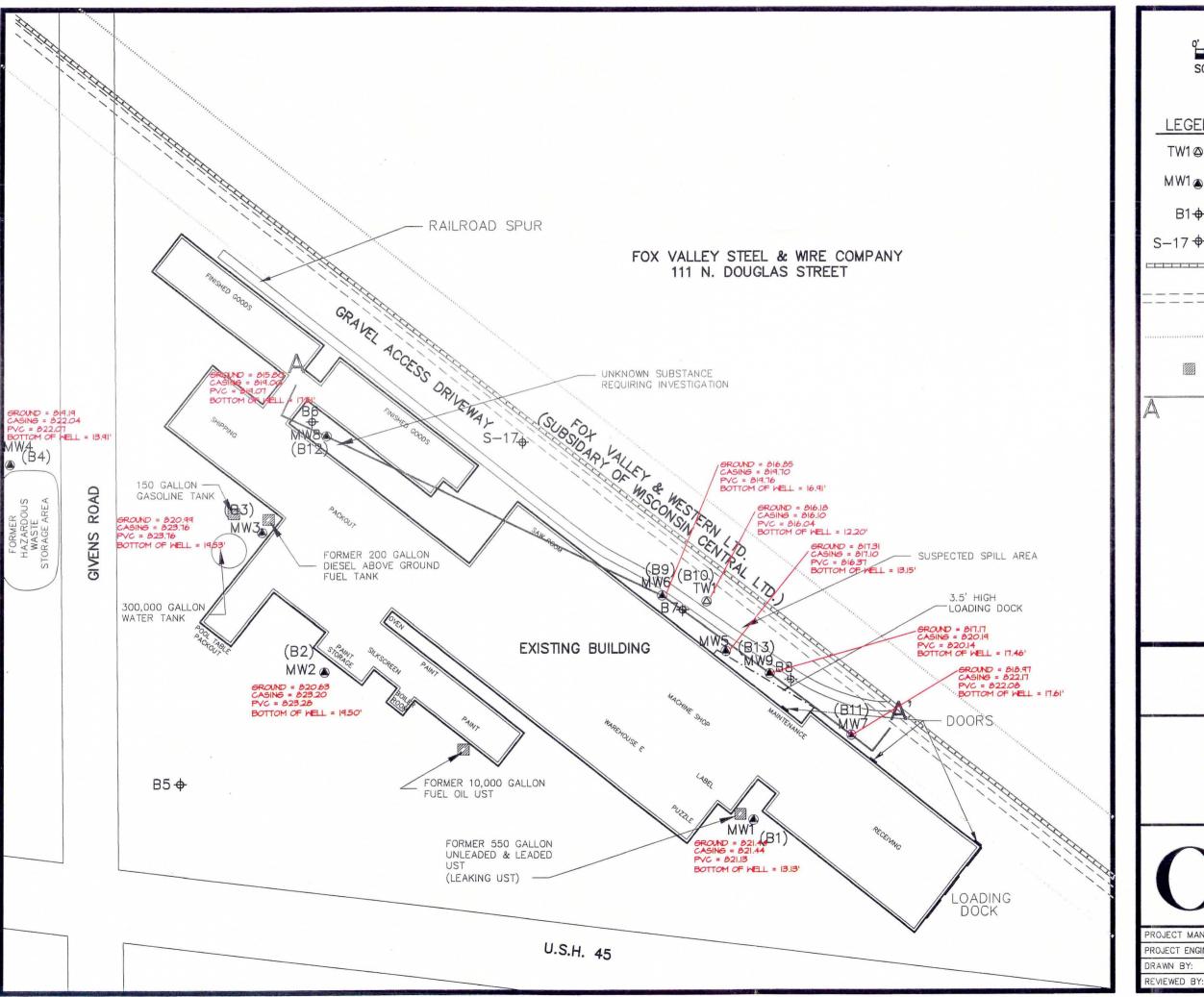
FORMER AMERICAN TOY & FURNITURE COMPANY HORTONVILLE, WISCONSIN



ONE SYSTEMS DRIVE APPLETON, WI 54914

PHONE (920) 735-6900 FAX (920) 830-6100

| PROJECT MANAGER: | BDW | PROJECT NO: | N1666A01 |
|-------------------|-----|--------------|------------|
| PROJECT ENGINEER: | BDW | CAD FILE NO: | LOCATION |
| DRAWN BY: | DLD | SCALE: | 1" = 1500' |
| REVIEWED BY: | | DATE: | 9/4/01 |



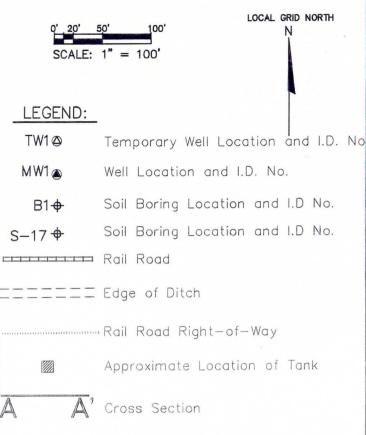


FIGURE 2 SITE DETAIL MAP

FORMER AMERICAN TOY & FURNITURE COMPANY HORTONVILLE, WISCONSIN



ONE SYSTEMS DRIVE APPLETON, WI 54914 PHONE (920) 735-6900 FAX (920) 830-6100

9/4/0

PROJECT MANAGER: BDW PROJECT NO: N1666A01
PROJECT ENGINEER: BDW CAD FILE NO: N1666A2
DRAWN BY: DLD SCALE: 1" = 100"

DATE:

TABLE 1 - SUMMARY OF LABORATORY ANALYSIS SOIL SAMPLES FROM THE 550 GALLON UNDERGROUND STORAGE TANK AREA

| | STANDARD | S-09 | | | GP-1 | | | G | | | 2-3 | | GP | | | | | HAB-5 | | | | | | B-6 | | | | | AB-7 | | | | B-1 | |
|---------------------------------|------------------|-----------|--|--|--|--|--|--------------|--|--|-----------|-------------|--|--|--|--|--|-------------|--|--|--|--|--|--|--|--|--|--|--------------|--|-----------|--|-----------|---------------------|
| DATE COLLECTED | - | 4/26/1994 | | | 5/5/94 & 5/6 | | | | & 5/6/94 | 5/5/94 8 | | | 5/5/94 & | | | | | 5/94 & 5/6/ | | | | | | & 5/6/94 | | | | | & 5/6/94 | | | | 6/30/1998 | |
| DEPTH (ft) | - | 4 - 6 | 2.0 - 3.0 | 3.0 - 4.0 | 4.0 - 5.0 | 5.0 - 6.0 | 7.0 - 9.0 | 3.5 - 4.5 | 4.5 - 5.5 | 3.5 - 4.5 | 4.5 - 5.5 | 7.0 - 8.0 | 8.0 - 9.0 | 10.0 - 10.5 | 10.5 - 11.0 | 1.5 - 2.0 | 2.5 - 3.0 | . 3.5 - 4.0 | 4.5 - 5.0 | 5.0 - 5.5 | 0.0 - 0.5 | 1.5 - 2.0 | 2.5 - 3.0 | 3.5 - 4.0 | 4.5 - 5.0 | 5.0 - 5.5 | 3.5 - 4.5 | 5.5 - 6.0 | 6.0 - 6.5 | 6.5 - 7.0 | 2.0 - 4.0 | 4.5 - 6.5 | 7.0 - 9.0 | 9.5 - 11.5 12.0 - |
| | | | <u> </u> | | <u> </u> | | <u> </u> | | | L., | | | | | . | | | | | ļ | | | | | | <u> </u> | | 1 | | | | | | |
| FIELD PID READING (ppm) | | 400 | 1.1 | 1.1 | 1.2 | 1.2 | 0.8 | 1.1 | 1.1 | 1.1 | 1.1 | | 207.0 | 9.1 | | 3 | 4.1 | 4.9 | 6.3 | 12,2 | NA. | 6.0 | 6.9 | 181.0 | 205.0 | 190.0 | 18.4 | 4.7 | 80.7 | 127.0 | 2 | 680 | 840 | 40 55 |
| Gasoline (mg/kg) | ļ | 680 | | | <100 | ļ | ļ | <100 | | <100 | | 360 | | <u> </u> | <10 | <u> </u> | | | | | ļ | <u> </u> | <u> </u> | | | | <u> </u> | | _ | | | <u> </u> | | |
| Diesel (mg/kg) | <u> </u> | | | | <100 | | ļ | <100 | <u> </u> | <100 | | <10 | | ļ | <10 | <u> </u> | | | | 1 | | | <u> </u> | <u> </u> | ļ | | ╀ | ↓ | + | | | | | |
| Motor Oil (mg/kg) | | - | | - | <100 | - | 1 | <100 | | <100 | | <10 | - | | <10 | | | | - | | | ┼ | } | <u> </u> | 1 | | ╂ | ┼─ | 1 | | | | | |
| DECTECTED VOCs over LOD (µg/kg) | RCL1 | | † | | | | | - | | | | | | | | | | | | | <u> </u> | | | | | | | + | | 1 | | | | |
| Benzene | 5.5 | | | | <10 | | 1 | <10 | | <10 | | 748 | 1 | Ι | <100 | | | | 1 | | | 1 | | | T | 1 | | T | 1 | <100 | | ND | | 1600 |
| Toluene | 1,500 | | 1 | | <10 | | | <10 | | <10 | | 8,362 | <u> </u> | <u> </u> | 380 | | 1 | | | | | 1 | | | | | T | 1 | 1 | <100 | | ND | | 260 |
| Ethylbenzene | 2,900 | | | | <10 | | | <10 | | <10 | | 2,970 | | | 350 | | 1 | | i – | | | 1 | † | † | 1 | 1 | 1 | 1 | 1 | <100 | | ND | | 810 |
| Total Xylenes | 4,100 | | 1 | 1 | <10 | | 1 | <10 | | <10 | | 13,510 | | | 120 | İ | | | | | t | 1 | t | 1 | | | 1 | | 1 | <1000 | | 780 | | 420 |
| MTBE | -,,,,,,,,, | | | | <20 | | | <20 | <u> </u> | <20 | | 7129 | | | 45 | | | | | † | | | | | | - | + | +- | 1 | <100 | | ND | | ND |
| Isopropylbenzene | | | 1 | | 1. | 1 | † | 1 | | | | ,,,,,, | | | 1 | | † | | - | | | | | <u> </u> | | 1 | | | <u> </u> | 1200 | | ND | | 160 |
| Naphthalene | | | † | 1 | <u> </u> | | · | | | | | | | | | | | | | | 1 | | ├ | | 1 | | | | + | \vdash | | ND | | 240 |
| n-Propylbenzene | | | | | $\overline{1}$ | | | | 1 | | | | | | | | | | | | | | | | 1 | 1 | 1 | + | 1 | i | | ND | | 210 |
| Trimethylbenzenes | | | | | | | | J | | | | | | | | | | | | | | | | | | | | | | | | 4700 | | 620 |
| DECTECTED PAHs over LOD (µg/kg) | RCL ² | ļ | | <u> </u> | | <u> </u> | | 1 | | - | | | | | 1 | | | | | <u> </u> | <u> </u> | | | | | | + | + | 1 | | | | | |
| Benzo (a) anthracene | 17.000 | | - | | | - | | | | | | | - | | | | | | ├── | | | | | | | + | | | | | | 8.4 | | ND |
| Benzo (a) pyrene | 48,000 | ļ | | ┼ | | | | + | | | | | - | | | | 1 | | - | - | | | ╁┷╧ | | | | | | | | | 14 | | ND |
| Benzo (b) fluoranthene | 360,000 | ! | | | · | 1 | 1 | <u> </u> | | | | | | | <u> </u> | | | | | | <u> </u> | + | | | | | - | | | | | 18 | | ND |
| Benzo (g,h,i) perylene | 6.800.000 | l | | - | ┼── | | + | | | | | | | <u> </u> | | | | | | _ | | | | · | | + | +- | | + | | | 23 | | ND |
| Chrysene | 37,000 | | | - | + | | | | <u> </u> | | | | | | | | | | | | | | | - | | + | | | | | | 13 | | ND |
| Indeno (1,2,3-c,d) pyrene | 680.000 | | | | | | | | | | | | | | | | | | | | | | | | | + | | | | | | 17 | | ND |
| 2-Methylnaphthalene | 20,000 | <u> </u> | | | | \vdash | | 1 | | | | | | | — | | | | | | 1 | 1 | 1 | | <u> </u> | | + | | | | | 490 | | ND |
| Naphthalene | 400 | | <u> </u> | 1 | | | 1 | | | | | | | | † | | | | | | t | † | | † | t | | | | 1 | | | 97 | | ND |
| Pyrene | 8,700,000 | | | | | | | | | | | | | | | | | | | | | <u> </u> | | <u> </u> | | | | | | İ | | 26 | | ND |
| INORGANIC ANALYSES (mg/kg) | | | | - | | <u> </u> | - | | | | | | | | | | - | | | <u> </u> | | ļ | | | | ┼ | | | | | | | | |
| Lead | - | | | <u> </u> | - | \vdash | 1 | — | | | | | | | | | \vdash | | | | | | \vdash | | <u> </u> | +- | | | 1 | | | 14 | | |
| Barium | | - | | | - | <u> </u> | | | - | | | | | | | f | | | | | † | 1 | - | | <u> </u> | + | | + | 1 | | | 25 | | |
| Cadmium | | | | 1 | t | ├ | | | | | | | | | | | | | | | 1 | 1 | | | 1 | | | | † | T | | ND | | |
| Chromium | | | 1 | | 1 | † | | 1 | | | | | 1 | | | | | | | | | | | i | | | 1 | 1 | 1 | † | | 11 | | |
| | | | | <u> </u> | 1 | i i | | | - | T | | | <u> </u> | | i – | | 1 | | T | 1 | | | | | 1 | 1 | 1 | 1 | | | | | | 1 |
| | | | | 1 | 1 | 1 | 1 | 1 | | T | | | <u> </u> | | 1 | | T | | | 1 | | | <u> </u> | 1 | 1 | 1 | 1 | T | | | | | | |

S-09 was sampled by Robert E. Lee & Associates on 4/26/94 Soil sample was analyzed by Robert E. Lee & Associates using WI Modified GRO Method

GP-1 through GP-4 and HAB-5 through HAB-7 was sampled by McLaren/Hart Engineers Midwest, Inc. on May 5 & 6, 1994 Soil samples analyzed by MBT Laboratories Rancho Cordova, California by EPA Methods 8020, Modified 8015 and 6010 GP - Geoprobe soil boring HAB - Hand auger boring

B1 was sampled by the Department of Natural Resources on 6/30/98 Soil samples analyzed by State Laboratory of Hygiene

ND not detected

RCL¹ Residual contaminant level based on the protection of groundwater, from NR 720

RCL² Suggested generic residual contaminant level for PAH compounds in soil - groundwater pathway, from Soil Cleanup Levels for Polycyclic Aromatic Hydrocarbons (PAHs) Interim Guidance April 1997 (corrected)

If cell is left blank, analysis was not performed or documentation of analysis was not available

TABLE 4 SUMMARY OF GROUNDWATER ANALYSIS - HISTORICAL

| PARAMETER | ES | PAL | GP-16 | HAB-7 |
|------------------------------|-------|------|--------|------------|
| | | | | ded by DNR |
| SAMPLE DATE | - | - | May-94 | May-94 |
| DETECTED VOCs / PVOCs (μg/L) | | | | |
| BENZENE | 5 | 0.5 | 3.9 | 192.0 |
| ETHYLBENZENE | 700 | 140 | <0.5 | 250.0 |
| МТВЕ | 60 | 12 | NA | <50.0 |
| TOLUENE | 1000 | 200 | 1.6 | 339 |
| XYLENES | 10000 | 1000 | 1.55 | 313.0 |
| 1,1-DICHLOROETHENE | 850 | 85 | 8.1 | NA |
| CIS-1,2-DICHLOROETHENE | 70 | 7 | 5.2 | NA |
| TRICHLOROETHENE | 5 | 0.5 | 0.58 | NA |

NA = analyte was not analyzed

Note: Hand auger boring 7 (HAB-7) and GP-16 were not constructed in a manner which would allow it to be used as NR 140 point of enforcement.

| PARAMETER | ES | PAL | | MONITO | RING WE | LL MW1 | A Company of the Comp |
|-----------------------------------|------------|------------|---|------------|---------|--------------|--|
| | | | Data provi | ded by DNR | OMN | NI data coll | ection |
| SAMPLE DATE | <u>-</u> | - | May-94 | 7/14/98 | 11/1/99 | 5/25/01 | 8/29/01 |
| DETECTED VOCs / PVOCs (μg/L) | | | | | | | |
| BENZENE | . 5 | 0.5 | | 490 | 170 | 4.3 | 18 |
| ETHYLBENZENE | 700 | 140 | ∞ | 75"JB" | 280 | 3.2 | 26 |
| MTBE | 60 | 12 | 30/2 | NΑ | <6.2 | <0.46 | <0.46 |
| NAPHTHALENE | 40 | 8 | 9 2 | 44 | 120 | 1.1 | 12 |
| TOLUENE | 1000 | 200 | ğ | 3200 | 930 | 5.5 | 29 |
| 1,2,4-TRIMETHYLBENZENE | 480 | 96 | ıstal | NA | 420 | 2.7 | 18 |
| 1,3,5-TRIMETHYLBENZENE | (combined) | (combined) | as ii | NA | 130 | 2.1 | 2.9 |
| XYLENES | 10000 | 1000 | 1 🛔 | 3500 "B" | 1000 | 8.3 | 33 |
| METHANE (μg/L) | - | - | | NA | 190 | 25 | 380 |
| NITROGEN (NITRATE) (mg/L) | - | - |] | NA | 0.012 | 1.8 | 0.027 |
| FERROUS IRON (mg/L) | - | - | | NA | 0.13 | NA | 0.08 |
| SULFATE (mg/L SO ₄ -2) | - | - | This monitoring well was installed on 6/30/98 | NA | 5 | 10 | 1.0 |
| ALKALINITY (mg/L CaCO3) | | - | 1 5 | NA | 420 | NA | 280 |
| DISSOLVED OXYGEN (mg/L) | - | - | 1 | NA | 0.62 | 1.76 | 0.12 |



⁼ sample concentrations detected over the enforcement standard

⁼ sample concentrations detected over the preventive action limit

NA = analyte was not analyzed

ND = analyte was analyzed for, but not detected

[&]quot;J" = numerical value is an estimated quantity, analyte detected between limit of detection and limit of quantitation
"B" = analyte was also present in the blank

| PARAMETER | ES | PAL | | * | | ELL MW2 | |
|-----------------------------------|------------|--------------|---|------------|---------|---|--|
| | | TO NO MESSIG | Data provi | ded by DNR | | lection | |
| SAMPLE DATE | - | <u>-</u> | May-94 | 7/14/98 | 11/1/99 | 5/25/01 | 8/29/01 |
| DETECTED VOCs / PVOCs`(µg/L) | | | | | | | • |
| BENZENE | 5 | 0.5 | | ND | <0.32 | | |
| ETHYLBENZENE | 700 | 140 | _ ∞ | ND | <0.34 | lg: | on previous analytical results, 2000 DNR correspondence |
| МТВЕ | 60 | 12 | 59/6 | NA | <0.31 | Į į | analytical result correspondence |
| NAPHTHALENE | 40 | 8 | 9 2 | ND | NA | sis fr | ytic |
| TOLUENE | 1000 | 200 | ğ | ND | <0.35 | nalys | COLL |
| 1,2,4-TRIMETHYLBENZENE | 480 | 96 | ıstal | NA | <0.35 | ज ज | vious |
| 1,3,5-TRIMETHYLBENZENE | (combined) | (combined) | as ii | NA | <0.64 | ition | 2000 E |
| XYLENES | 10000 | 1000 | 1 | ND | <1 | add | |
| METHANE (μg/L) | - | - | ≥0 | NA | <0.5 | Tutine . | weil based o |
| NITROGEN (NITRATE) (mg/L) | - | . • | tori | NA | 3.9 | Ţ. | well bas January |
| FERROUS IRON (mg/L) | - | - | ioni | NA | 0.0 | ou p | an S ≩rad |
| SULFATE (mg/L SO ₄ -²) | | - | This monitoring well was installed on 6/29/98 | NA | 76 | DNR did not require additional analysis from this | reference |
| ALKALINITY (mg/L CaCO3) | - | - | = | NA | 280 | <u> </u> | monitoring reference |
| DISSOLVED OXYGEN (mg/L) | - | • | | NA | 3.78 | | = |

⁼ sample concentrations detected over the enforcement standard
= sample concentrations detected over the preventive action limit

NA = analyte was not analyzed

ND = analyte was analyzed for, but not detected
"J" = numerical value is an estimated quantity, analyte detected between limit of detection and limit of quantitation
"B" = analyte was also present in the blank

TABLE 4 SUMMARY OF GROUNDWATER ANALYSIS - HISTORICAL

| PARAMETER | ES | PAL | MONITORING WELL MW3 | | | | | | | |
|--------------------------------------|------------|------------|---|------------|---------|---|--------------------------------------|--|--|--|
| | | | Data provid | led by DNR | OM | NNI data collection | | | | |
| SAMPLE DATE | - | - | May-94 | 7/14/98 | 11/1/99 | 5/25/01 | 8/29/01 | | | |
| DETECTED VOCs / PVOCs (µg/L) | | | | | | | | | | |
| BENZENE | 5 | 0.5 | | 3"Ј" | < 0.32 | | | | | |
| ETHYLBENZENE | 700 | 140 | , _∞ | ND | <0.34 | this | analytical results correspondence | | | |
| МТВЕ | 60 | 12 | This monitoring well was installed on 6/29/98 | NA | <0.31 | DNR did not require additional analysis from this | analytical result correspondence | | | |
| NAPHTHALENE | 40 | 8 |) | ND | NA | sis fi | ytic espc | | | |
| TOLUENE | 1000 | 200 | <u>B</u> | 3"Ј" | <0.35 | la k | ana | | | |
| 1,2,4-TRIMETHYLBENZENE | 480 | 96 | nstal | NA | <0.35 | R | on previous 2000 DNR | | | |
| 1,3,5-TRIMETHYLBENZENE | (combined) | (combined) | /as ii | NA | <0.64 | ition | prev 00 L | | | |
| XYLENES | 10000 | 1000 |] = | ND | <1 |] ad | | | | |
| METHANE (μg/L) | - | - |] | NA | <0.5 |] i | well based o | | | |
| NITROGEN (NITRATE) (mg/L) | - | - | I ig | NA | 2.5 |] Ĕ | well bas January | | | |
| FERROUS IRON (mg/L) | | - | logi | NA | 0.0 | g of | | | | |
| SULFATE (mg/L SO ₄ -2) | - | _ |] is | NA | 14 | R di | monitoring reference | | | |
| ALKALINITY (mg/L CaCO ₃) | | _ |] - | NA | 220 |] 🚡 | refe | | | |
| DISSOLVED OXYGEN (mg/L) | - | - | 1 | NA | 8.84 | 1 | _ | | | |

NA = analyte was not analyzed

⁼ sample concentrations detected over the enforcement standard = sample concentrations detected over the preventive action limit

ND = analyte was analyzed for, but not detected
"J" = numerical value is an estimated quantity, analyte detected between limit of detection and limit of quantitation
"B" = analyte was also present in the blank

| PARAMETER | ES | PAL | | MONITO | RING WI | IG WELL MW4 | | | | | |
|-----------------------------------|------------|------------|---|----------------------|---------------------------------------|---|---------------------------|--|--|--|--|
| | | | Data provi | Data provided by DNR | | NNI data collection | | | | | |
| SAMPLE DATE | - | - | May-94 | 7/14/98 | 11/1/99 | 5/25/01 | 8/29/01 | | | | |
| DETECTED VOCs / PVOCs (μg/L) | | ····· | | | | | | | | | |
| BENZENE | 5 | 0.5 | | ND | = | | | | | | |
| ETHYLBENZENE | 700 | 140 | 1 ∞ | ND | ≅ | this | sults ace | | | | |
| мтве | 60 | 12 | This monitoring well was installed on 6/29/98 | ND | Monitoring well | Į į | ar e jude: | | | | |
| NAPHTHALENE | 40 | 8 |)9 II | ND | Aoni | DNR did not require additional analysis from this ronitoring well based on previous analytical results, reference January 18, 2000 DNR correspondence | | | | | |
| TOLUENE | 1000 | 200 | ğ | ND | | lalys | ana | | | | |
| 1,2,4-TRIMETHYLBENZENE | 480 | 96 | ıstal | ND | [dun | a a | on previous 2000 DNR | | | | |
| 1,3,5-TRIMETHYLBENZENE | (combined) | (combined) | as ii | ND | rater sa dry. | ition | 916.00 00 D | | | | |
| XYLENES | 10000 | 1000 | * | ND | dwa dr | add | | | | | |
| METHANE (μg/L) | - | - | , B | NA | MID. | luire | well based January 18, | | | | |
| NITROGEN (NITRATE) (mg/L) | - | - | ig i | NA | ದ ಬ | Đ. | well bas January | | | | |
| FERROUS IRON (mg/L) | - | - | noni | NA | Unable to collect groundwater sample. | d lo | ಘ ≽ ⊾ | | | | |
| SULFATE (mg/L SO ₄ -2) | - | | his n | NA | 100 | R di | monitoring reference | | | | |
| ALKALINITY (mg/L CaCO3) | - | - | | NA | rable | Z Z | nom refe | | | | |
| DISSOLVED OXYGEN (mg/L) | - | - | I | NA | ň | | - | | | | |



⁼ sample concentrations detected over the enforcement standard = sample concentrations detected over the preventive action limit

NA = analyte was not analyzed

ND = analyte was analyzed for, but not detected
"J" = numerical value is an estimated quantity, analyte detected between limit of detection and limit of quantitation
"B" = analyte was also present in the blank

| PARAMETER | ES | PAL | MONITORING WELL MW5 | | | | | | | | |
|---|------------|------------|---------------------|------------|-----------------------|---|-------------|--|--|--|--|
| | | | Data provi | led by DNR | OMNNI data collection | | | | | | |
| SAMPLE DATE | - | | May-94 | 7/14/98 | 11/1/99 | 5/25/01 | 8/29/01 | | | | |
| DETECTED VOCs / PVOCs (μg/L) | | | * | | | | | | | | |
| BENZENE | 5 | 0.5 | 14 | <1000 | <32 | 0.28"J" | <21 | | | | |
| SEC-BUTYLBENZENE | - | - | unknown | NA | <34 | 0.94 | <21 | | | | |
| N-BUTYLBENZENE | - | | unknown | NA | <23 | 3 | <13 | | | | |
| 1,1-DICHLOROETHANE | 850 | 85 | 19 | <1000 | <34 | 0.78 | <24 | | | | |
| CIS-1,2-DICHLOROETHENE | 70 | 7 | 91 | <1000 | <32 | 2.9 | <21 | | | | |
| ETHYLBENZENE | 700 | 140 | 3000 | 1600 "B" | 1200 | 51 | 66"J" | | | | |
| ISOPROPYLBENZENE | - | • | unknown | NA | <34 | 0.69 | <19 | | | | |
| P-ISOPROPYLBENZENE | | | unknown | NA | <31 | 2.2 | <16 | | | | |
| METHYLENE CHLORIDE | 5 | 0.5 | unknown | 810 "JB" | <29 | <0.22 | <22 | | | | |
| MTBE | 60 | 12 | unknown | NA | <31 | <0.46 | <46 | | | | |
| NAPHTHALENE | 40 | 8 | 45 | 42 | <88 | 1.1 | <69 | | | | |
| TETRACHLOROETHENE | 5 | 0.5 | 9.2 | <1000 | <35 | <0.22 | <22 | | | | |
| TOLUENE | 1000 | 200 | 28000 | 12000 "B" | 5700 | 72 | 1900 | | | | |
| 1,1,1-TRICHLOROETHANE | 200 | 40 | unknown | <1000 | <45 | 1.4 | <26 | | | | |
| TRICHLOROETHENE | 5 | 0.5 | 4.8 | <1000 | <48 | <0.24 | <24 | | | | |
| 1,2,4-TRIMETHYLBENZENE | 480 | 96 | unknown | NA NA | 110"J" | 3 | <26 | | | | |
| 1.3.5-TRIMETHYLBENZENE | (combined) | (combined) | unknown | NA NA | 130"1" | 3 | <34 | | | | |
| XYLENES | 10000 | 1000 | 10590 | 7700 "B" | 7400 | 169 | | | | | |
| | 10000 | 1000 | 10390 | 7/00 D | /400 | 109 | 450 | | | | |
| DETECTED SEMIVOLATILES (µg/L) 2-METHYLPHENOL | · | | f | 40 | | | | | | | |
| | • | - | unknown | 48 | | ased | | | | | |
| 4-METHYLPHENOL | - | - | unknown | 44 | | ed u | | | | | |
| ISOPHORONE | - | | unknown | 0.8 "J" | | ng w form den | | | | | |
| 2,4-DIMETHYLPHENOL | - | - | unknown | 20 | | torir peri | | | | | |
| 4-CHLORO-3-METHYLPHENOL | - | | unknown | 1"J" | • | monitoring well uld be performed correspondence | | | | | |
| 2-METHYLNAPHTHALENE | • | • | unknown | 6 "J" | | his n vout | | | | | |
| ACENAPHTHENE | | <u> </u> | unknown | 3 "J" | | is from this malysis wo 2000 DNR | | | | | |
| DIBENZOFURAN | <u> </u> | • | unknown | 2 "J" | | is fro naly 2000 | | | | | |
| DIETHYLPHTHALATE | - | <u> </u> | unknown | 1 "J" | | alysi ne a 18, | | | | | |
| FLUORENE | 400 | 80 | unknown | 2 "J" | | H an hale iary | | | | | |
| PHENANTHRENE | - | - | unknown | 3 "J" | | PAJ apht Janu | | | | | |
| ANTHRACENE | 3000 | 600 | unknown | 0.5 "J" | | onal ts, n | | | | | |
| CARBAZOLE | - | - | unknown | 2 "J" | | quire additional PAH and lytical results, naphthale: lysis, reference January | | | | | |
| DI-N-BUTYLPHTHALATE | - | - | unknown | 10 "JB" | | re ad cal r is, r | | | | | |
| FLUORANTHENE | 400 | 80 | unknown | 0.9 "J" | | equi alyti alys | | | | | |
| NAPHTHALENE | 40 | 8 | 45 | 42 | | s and C and C | | | | | |
| PYRENE | 250 | 50 | unknown | 1 "J" | | did not rec vious anal VOC ana | | | | | |
| BUTYLBENZYLPHTHALATE | - | | unknown | 0.8 'J' | | DNR did not require additional PAH analysis from this monitoring well based on previous analytical results, naphthalene analysis would be performed under VOC analysis, reference January 18, 2000 DNR correspondence | | | | | |
| BIS(2-ETHYLHEXYL)PHTHALATE | _ | - | unknown | 9 "ЈВ" | | <u>ם 8</u> | | | | | |
| METHANE (μg/L) | - | - | unknown | NA | 3500 | 300 | 900 | | | | |
| NTROGEN (NITRATE) (mg/L) | - | - | unknown | NA | 0.014 | 0.0074 | 0.0092 | | | | |
| THANE (µg/L) | - | - | unknown | NA | <0.5 | <0.5 | <0.5 | | | | |
| THENE (µg/L) | - | | unknown | NA | <0.5 | <0.5 | <0.5 | | | | |
| ERROUS IRON (mg/L) | - | • | unknown | NA | 3.36 | NA | 4.67 | | | | |
| ULFATE (mg/L SO ₄ ²) | - | | unknown | NA | 43 | 3 | 1.0 | | | | |
| LKALINITY (mg/L CaCO ₃) | - | - | unknown | NA | 440 | NA | 260 | | | | |
| DISSOLVED OXYGEN (mg/L) | | | unknown | NA | 1.25 | 0.34 | 0.16 | | | | |

⁼ sample concentrations detected over the enforcement standard

⁼ sample concentrations detected over the enforcement standard
= sample concentrations detected over the preventive action limit

NA = analyte was not analyzed

ND = analyte was analyzed for, but not detected

"J" = numerical value is an estimated quantity, analyte detected between limit of detection and limit of quantitation

"B" = analyte was also present in the blank

| PARAMETER | ES | ES PAL MONITORING WELL I | | | | | | | |
|---|------------|--------------------------|--------------------------|--------------|---------------|-----------|--|--|--|
| | | | Data provided by DNR | OMI | NNI data coll | ection | | | |
| SAMPLE DATE | - | - | May-94 7/14/98 | 11/1/99 | 5/25/01 | 8/29/01 | | | |
| DETECTED VOCs / PVOCs (μg/L) | | | | | | | | | |
| BENZENE | 5 | 0.5 | This monitoring well was | installed on | <0.21 | <0.21 | | | |
| SEC-BUTYLBENZENE | - | - | 5/8/01 | | <0.21 | <0.21 | | | |
| N-BUTYLBENZENE | - | - | | | <0.13 | <0.13 | | | |
| 1,1-DICHLOROETHANE | 850 | 85 | | | <0.24 | <0.24 | | | |
| CIS-1,2-DICHLOROETHENE | 70 | 7 | | | <0.21 | <0.21 | | | |
| ETHYLBENZENE | -700 | 140 | | | <0.22 | <0.22 | | | |
| ISOPROPYLBENZENE | | - | | | <0.19 | <0.19 | | | |
| P-ISOPROPYLBENZENE | - | - | | | <0.16 | <0.16 | | | |
| METHYLENE CHLORIDE | 5 | 0.5 | | | <0.22 | <0.22 | | | |
| МТВЕ | 60 | 12 | | | <0.46 | <0.46 | | | |
| NAPHTHALENE | 40 | 8 | | | <0.69 | <0.69 | | | |
| TETRACHLOROETHENE | 5 | 0.5 | | | <0.22 | <0.22 | | | |
| TOLUENE | 1000 | 200 | | | <0.41 | <0.41 | | | |
| 1,1,1-TRICHLOROETHANE | 200 | 40 | | | <0.26 | <0.26 | | | |
| TRICHLOROETHENE | 5 | 0.5 | | | <0.24 | <0.24 | | | |
| 1,2,4-TRIMETHYLBENZENE | 480 | 96 | | | <0.26 | <0.26 | | | |
| 1,3,5-TRIMETHYLBENZENE | (combined) | (combined) | | | <0.34 | <0.34 | | | |
| XYLENES | 10000 | 1000 | | | <0.43 | <0.43 | | | |
| DETECTED SEMIVOLATILES (µg/L) | 10000 | 7000 | | | 40.15 | 407.0 | | | |
| 2-METHYLPHENOL | Γ . | | l | | NA | NA | | | |
| 4-METHYLPHENOL | | | | | NA NA | NA NA | | | |
| ISOPHORONE | | | | | NA NA | NA NA | | | |
| 2,4-DIMETHYLPHENOL | | | | | NA NA | NA NA | | | |
| 4-CHLORO-3-METHYLPHENOL | _ | | | | NA NA | . NA | | | |
| 2-METHYLNAPHTHALENE | | | | | NA NA | NA NA | | | |
| ACENAPHTHENE | | | | | <0.027 | NA NA | | | |
| DIBENZOFURAN | | | | | NA | NA NA | | | |
| DIETHYLPHTHALATE | | | | | NA NA | NA NA | | | |
| FLUORENE | 400 | 80 | | | <0.029 | NA NA | | | |
| PHENANTHRENE | | - | , | | <0.029 | NA NA | | | |
| | 2000 | 600 | | | | - | | | |
| ANTHRACENE CARBAZOLE | 3000 | - | | | <0.027 NA | NA NA | | | |
| DI-N-BUTYLPHTHALATE | - | - | | | NA NA | NA NA | | | |
| | 400 | 80 | | | | NA NA | | | |
| FLUORANTHENE NAPHTHALENE | | 8U 8 | | | <0.021 | NA NA | | | |
| | 40 | | | | | | | | |
| PYRENE DISTYL BENIZVI BUTUALATE | 250 | 50 | | | <0.024 | NA NA | | | |
| BUTYLBENZYLPHTHALATE | - | - ' | | | NA NA | NA NA | | | |
| BIS(2-ETHYLHEXYL)PHTHALATE METHANE (µg/L) | - | • | | | NA -0.5 | NA 1.1 | | | |
| | - | • | | | <0.5 | 1.1 | | | |
| NITROGEN (NITRATE) (mg/L) | - | - | | | 2.5 | 3 | | | |
| ETHANE (µg/L) | - | - | | | <0.5 | <0.5 | | | |
| ETHENE (µg/L) | - | - | | | <0.5 | <0.5 | | | |
| FERROUS IRON (mg/L) | - | - | | | NA | 0.00 | | | |
| SULFATE (mg/L SO ₄ ⁻²) | - | - | | | 3.6"J" | 25 | | | |
| ALKALINITY (mg/L CaCO ₃) | - | - | | | NA | 260 | | | |
| DISSOLVED OXYGEN (mg/L) | - | • | | | 3.31 | 0.14 | | | |

⁼ sample concentrations detected over the enforcement standard = sample concentrations detected over the preventive action limit

NA = analyte was not analyzed

ND = analyte was analyzed for, but not detected

[&]quot;J" = numerical value is an estimated quantity, analyte detected between limit of detection and limit of quantitation

[&]quot;B" = analyte was also present in the blank

| PARAMETER | ES | PAL | 360.00 (F) | DRING WI | NG WELL MW7 | | | | | |
|--------------------------------------|--|------------|--------------|---------------------------------------|--------------|--------------|--|--|--|--|
| | | | Data provi | ded by DNR | OM | NNI data col | lection | | | |
| SAMPLE DATE | • | - | May-94 | 7/14/98 | 11/1/99 | 5/25/01 | 8/29/01 | | | |
| DETECTED VOCs / PVOCs (µg/L) | | | | | | | | | | |
| BENZENE | 5 | 0.5 | This monito | ring well was | installed on | <0.21 | <0.21 | | | |
| SEC-BUTYLBENZENE | - | - | | 5/8/01 | | <0.21 | <0.21 | | | |
| N-BUTYLBENZENE | - | - | | | | <0.13 | <0.13 | | | |
| 1,1-DICHLOROETHANE | 850 | 85 | | | | <0.24 | <0.24 | | | |
| CIS-1,2-DICHLOROETHENE | 70 | 7 | | | | <0.21 | <0.21 | | | |
| ETHYLBENZENE | 700 | 140 | | | | <0.22 | <0.22 | | | |
| ISOPROPYLBENZENE | | - | | | | <0.19 | <0.19 | | | |
| P-ISOPROPYLBENZENE | - | - | | | | <0.16 | <0.16 | | | |
| METHYLENE CHLORIDE | 5 | 0.5 | | | | <0.22 | <0.22 | | | |
| MTBE | 60 | 12 | | | | <0.46 | <0.46 | | | |
| NAPHTHALENE | 40 | 8 | | | | <0.69 | <0.69 | | | |
| TETRACHLOROETHENE | 5 | 0.5 | | | | <0.22 | <0.22 | | | |
| TOLUENE | 1000 | 200 | | | | <0.41 | <0.22 | | | |
| 1,1,1-TRICHLOROETHANE | 200 | 40 | | | | <0.26 | <0.26 | | | |
| TRICHLOROETHENE | 5 | 0.5 | | | | <0.24 | <0.24 | | | |
| 1,2,4-TRIMETHYLBENZENE | 480 | 96 | | | | <0.26 | <0.26 | | | |
| 1.3,5-TRIMETHYLBENZENE | (combined) | (combined) | | | | <0.34 | <0.34 | | | |
| XYLENES | 10000 | 1000 | | | | <0.43 | <0.34 | | | |
| DETECTED SEMIVOLATILES (µg/L) | 10000 | 1000 | <u> </u> | | | <0.45 | V0.43 | | | |
| 2-METHYLPHENOL | Γ - | I | | | | NA | NA | | | |
| 4-METHYLPHENOL | - - | - | | | | NA NA | NA NA | | | |
| ISOPHORONE | | • | | | | NA NA | | | | |
| 2,4-DIMETHYLPHENOL | - | <u> </u> | | | | NA NA | NA NA | | | |
| 4-CHLORO-3-METHYLPHENOL | | - | | | | NA . | NA NA | | | |
| 2-METHYLNAPHTHALENE | | | | · · · · · · · · · · · · · · · · · · · | | | - | | | |
| | | - | <u> </u> | | | NA -0.027 | NA NA | | | |
| ACENAPHTHENE | | <u> </u> | <u> </u> | | | <0.027 | NA NA | | | |
| DIBENZOFURAN | ļ | - | | | | NA NA | NA NA | | | |
| DIETHYLPHTHALATE | 100 | | | | | NA OCC | NA | | | |
| FLUORENE | 400 | 80 | | | | <0.029 | NA NA | | | |
| PHENANTHRENE | - | - | | | | <0.028 | NA NA | | | |
| ANTHRACENE | 3000 | 600 | | | | <0.027 | NA NA | | | |
| CARBAZOLE | <u> </u> | <u> </u> | | | | NA | NA NA | | | |
| DI-N-BUTYLPHTHALATE | - 400 | | | | | NA 0.001 | NA | | | |
| FLUORANTHENE | 400 | 80 | ļ | | | <0.021 | NA. | | | |
| NAPHTHALENE | 40 | 8 | | | | 0.039"J" | NA | | | |
| PYRENE | 250 | 50 | | | | <0.024 | NA | | | |
| BUTYLBENZYLPHTHALATE | - | - | | | - 4 | NA | NA | | | |
| BIS(2-ETHYLHEXYL)PHTHALATE | - | - | | | | NA | NA | | | |
| METHANE (μg/L) | - | - | | | | <0.5 | 1.4 | | | |
| VITROGEN (NITRATE) (mg/L) | - | - | | | | 1.2 | 2.9 | | | |
| THANE (µg/L) | - | - | | | | <0.5 | <0.5 | | | |
| ETHENE (µg/L) | - | - | <u></u> | ··· | | <0.5 | <0.5 | | | |
| ERROUS IRON (mg/L) | - | - | | *** | | NA | 0.21 | | | |
| ULFATE (mg/L SO ₄ -2) | - | - | | | | 3.8 | 8 | | | |
| ALKALINITY (mg/L CaCO ₃) | • | - | | | | NA | 120 | | | |
| DISSOLVED OXYGEN (mg/L) | - | | | | ** | 7.02 | 1.53 | | | |

⁼ sample concentrations detected over the enforcement standard

⁼ sample concentrations detected over the preventive action limit

NA = analyte was not analyzed

ND = analyte was analyzed for, but not detected
"J" = numerical value is an estimated quantity, analyte detected between limit of detection and limit of quantitation
"B" = analyte was also present in the blank

TABLE 4 SUMMARY OF GROUNDWATER ANALYSIS - HISTORICAL

| PARAMETER | ES | PAL | MONITORING WELL MW8 | | | |
|--|--------------|------------|---------------------------------------|--------------|----------------------|------------|
| | | | Data provided by DNR OI | | INNI data collection | |
| SAMPLE DATE | - | _ | May-94 7/14/98 | 11/1/99 | 5/25/01 | 8/29/01 |
| DETECTED VOCs / PVOCs (μg/L) | | | • | | | |
| BENZENE | 5 | 0.5 | This monitoring well was | installed on | <0.21 | <0.21 |
| SEC-BUTYLBENZENE | - | - | 5/8/01 | | <0.21 | <0.21 |
| N-BUTYLBENZENE | | - | | | <0.13 | <0.13 |
| 1,1-DICHLOROETHANE | 850 | 85 | | | <0.24 | <0.24 |
| CIS-1,2-DICHLOROETHENE | 70 | 7 | | | <0.21 | <0.21 |
| ETHYLBENZENE | 700 | 140 | | | <0.22 | <0.22 |
| ISOPROPYLBENZENE | - | - | | | <0.19 | <0.19 |
| P-ISOPROPYLBENZENE | | - | | | <0.16 | <0.16 |
| METHYLENE CHLORIDE | 5 | 0.5 | | | <0.22 | <0.22 |
| МТВЕ | 60 | 12 | | | <0.46 | <0.46 |
| NAPHTHALENE | 40 | 8 | | | <0.69 | <0.69 |
| TETRACHLOROETHENE | 5 | 0.5 | | | <0.22 | <0.22 |
| TOLUENE | 1000 | 200 | | | <0.41 | <0.41 |
| 1,1,1-TRICHLOROETHANE | 200 | 40 | | | <0.26 | <0.26 |
| TRICHLOROETHENE | 5 | 0.5 | | | <0.24 | <0.24 |
| 1,2,4-TRIMETHYLBENZENE | 480 | 96 | | | <0.26 | <0.26 |
| 1,3,5-TRIMETHYLBENZENE | (combined) | (combined) | | | <0.34 | <0.34 |
| XYLENES | 10000 | 1000 | | | <0.43 | <0.43 |
| DETECTED SEMIVOLATILES (μg/L) | | | <u> </u> | | | |
| 2-METHYLPHENOL | Ι. | _ | | | NA | NA |
| 4-METHYLPHENOL | - | _ | | | NA | NA |
| ISOPHORONE | | - | | | NA | NA |
| 2,4-DIMETHYLPHENOL | | | | | NA | NA |
| 4-CHLORO-3-METHYLPHENOL | | | · · · · · · · · · · · · · · · · · · · | | NA | NA |
| 2-METHYLNAPHTHALENE | _ | - | | | NA | NA |
| ACENAPHTHENE | - | _ | | | <0.027 | NA |
| DIBENZOFURAN | - | - | | | NA | NA |
| DIETHYLPHTHALATE | - | _ | | | NA | NA |
| FLUORENE | 400 | 80 | | | <0.029 | NA |
| PHENANTHRENE | | | | | <0.028 | NA |
| ANTHRACENE | 3000 | 600 | | | <0.027 | NA |
| CARBAZOLE | - | | | | NA | NA |
| DI-N-BUTYLPHTHALATE | _ | | | | NA | NA |
| FLUORANTHENE | 400 | 80 | | | <0.021 | NA |
| NAPHTHALENE | 40 | 8 | | | <0.021 | NA NA |
| PYRENE | 250 | 50 | | | <0.024 | NA NA |
| BUTYLBENZYLPHTHALATE | - | | | | NA | NA NA |
| BIS(2-ETHYLHEXYL)PHTHALATE | _ | _ | | | NA NA | NA NA |
| METHANE (µg/L) | | | | | NA | NA |
| NITROGEN (NITRATE) (mg/L) | | | | ** | NA | NA NA |
| ETHANE (µg/L) | - | - | | | NA | NA NA |
| ETHANE (μg/L) ETHENE (μg/L) | - | - | | | NA NA | NA NA |
| FERROUS IRON (mg/L) | | | | | NA NA | NA NA |
| | - | | | | | |
| SULFATE (mg/L SO ₄ -2) ALKALINITY (mg/L CaCO ₃) | - | | | | NA NA | NA NA |
| | - | - | | | NA 2.61 | NA 0.16 |
| DISSOLVED OXYGEN (mg/L) | - | - | | | 3.61 | 0.16 |

= sample concentrations detected over the enforcement standard = sample concentrations detected over the preventive action limit

NA = analyte was not analyzed

ND = analyte was analyzed for, but not detected

"J" = numerical value is an estimated quantity, analyte detected between limit of detection and limit of quantitation

"B" = analyte was also present in the blank

| PARAMETER | ES PAL MONITORING WELL M | | | | | ELL MW9 | |
|--------------------------------------|--------------------------|------------|----------------------|---------------|--------------|-----------------------|---------|
| | ie i Prezidinaci | | Data provided by DNR | | OMI | OMNNI data collection | |
| SAMPLE DATE | - | | May-94 | 7/14/98 | 11/1/99 | 5/25/01 | 8/29/01 |
| DETECTED VOCs / PVOCs (µg/L) | | | | | | | |
| BENZENE | 5 | 0.5 | This monito | ring well was | installed on | <0.21 | <0.21 |
| SEC-BUTYLBENZENE | - | - | 1 | 5/8/01 | | <0.21 | <0.21 |
| N-BUTYLBENZENE | - | - | | | | <0.13 | <0.13 |
| 1,1-DICHLOROETHANE | 850 | . 85 | | | | <0.24 | <0.24 |
| CIS-1,2-DICHLOROETHENE | 70 | 7 | | | | 0.39"J" | <0.21 |
| ETHYLBENZENE | 700 | 140 | | | | <0.22 | <0.22 |
| ISOPROPYLBENZENE | - | • | | | | <0.19 | <0.19 |
| P-ISOPROPYLBENZENE | - | - | | | | <0.16 | <0.16 |
| METHYLENE CHLORIDE | 5 | 0.5 | | | | <0.22 | <0.22 |
| МТВЕ | 60 | 12 | | | | <0.46 | <0.46 |
| NAPHTHALENE | 40 | 8 | | | | <0.69 | <0.69 |
| TETRACHLOROETHENE | 5 | 0.5 | | | | 3.1 | 3.1 |
| TOLUENE | 1000 | 200 | | | | <0.41 | <0.41 |
| 1,1,1-TRICHLOROETHANE | 200 | 40 | | | | <0.26 | <0.26 |
| TRICHLOROETHENE | 5 | 0.5 | | | | 9.2 | 2.9 |
| 1,2,4-TRIMETHYLBENZENE | 480 | 96 | | | | <0.26 | <0.26 |
| 1,3,5-TRIMETHYLBENZENE | (combined) | (combined) | | | | <0.34 | <0.34 |
| XYLENES | 10000 | 1000 | | | | <0.43 | <0.43 |
| DETECTED SEMIVOLATILES (µg/L) | | | | | - 1.1 | | |
| 2-METHYLPHENOL | - | - | | | · . | NA | NA |
| 4-METHYLPHENOL | - | - | Ì | | | NA | NA |
| ISOPHORONE | - | - | | | | NA | NA |
| 2,4-DIMETHYLPHENOL | - | - | | | | NA | NA |
| 4-CHLORO-3-METHYLPHENOL | - | - | | | | NA | NA |
| 2-METHYLNAPHTHALENE | - | - | | | | NA | NA |
| ACENAPHTHENE | - | - | | | | <0.027 | NA |
| DIBENZOFURAN | - | - | | | | NA | NA |
| DIETHYLPHTHALATE | - | - | | | | NA | NA |
| FLUORENE | 400 | 80 | | | | <0.029 | NA |
| PHENANTHRENE | - | - | | | | <0.028 | NA |
| ANTHRACENE | 3000 | 600 | | | | <0.027 | NA |
| CARBAZOLE | - | - | | | | NA | NA |
| DI-N-BUTYLPHTHALATE | - | - | | | | NA | NA |
| FLUORANTHENE | 400 | 80 | | | | <0.021 | NA |
| NAPHTHALENE | 40 | 8 | | | | 0.040"J" | NA |
| PYRENE | 250 | 50 | | | | <0.024 | NA |
| BUTYLBENZYLPHTHALATE | - | - | 1 | | | NA | NA |
| BIS(2-ETHYLHEXYL)PHTHALATE | - | - | | | | NA | NA |
| METHANE (µg/L) | - | - | | | ·· • | <0.5 | <0.5 |
| NITROGEN (NITRATE) (mg/L) | | - | | | | 2.1 | 4.5 |
| ETHANE (μg/L) | - | - | | | | <0.5 | <0.5 |
| ETHENE (µg/L) | - | - | i | | | <0.5 | <0.5 |
| ERROUS IRON (mg/L) | - | - | | | | NA . | 0.02 |
| ULFATE (mg/L SO ₄ -2) | - | - | | | | 13 | 10 |
| ALKALINITY (mg/L CaCO ₃) | - | - | <u> </u> | | | NA | 140 |
| DISSOLVED OXYGEN (mg/L) | - | _ | | | | 3.24 | 0.14 |

⁼ sample concentrations detected over the enforcement standard
= sample concentrations detected over the preventive action limit

NA = analyte was not analyzed

ND = analyte was analyzed for, but not detected

"J" = numerical value is an estimated quantity, analyte detected between limit of detection and limit of quantitation

"B" = analyte was also present in the blank

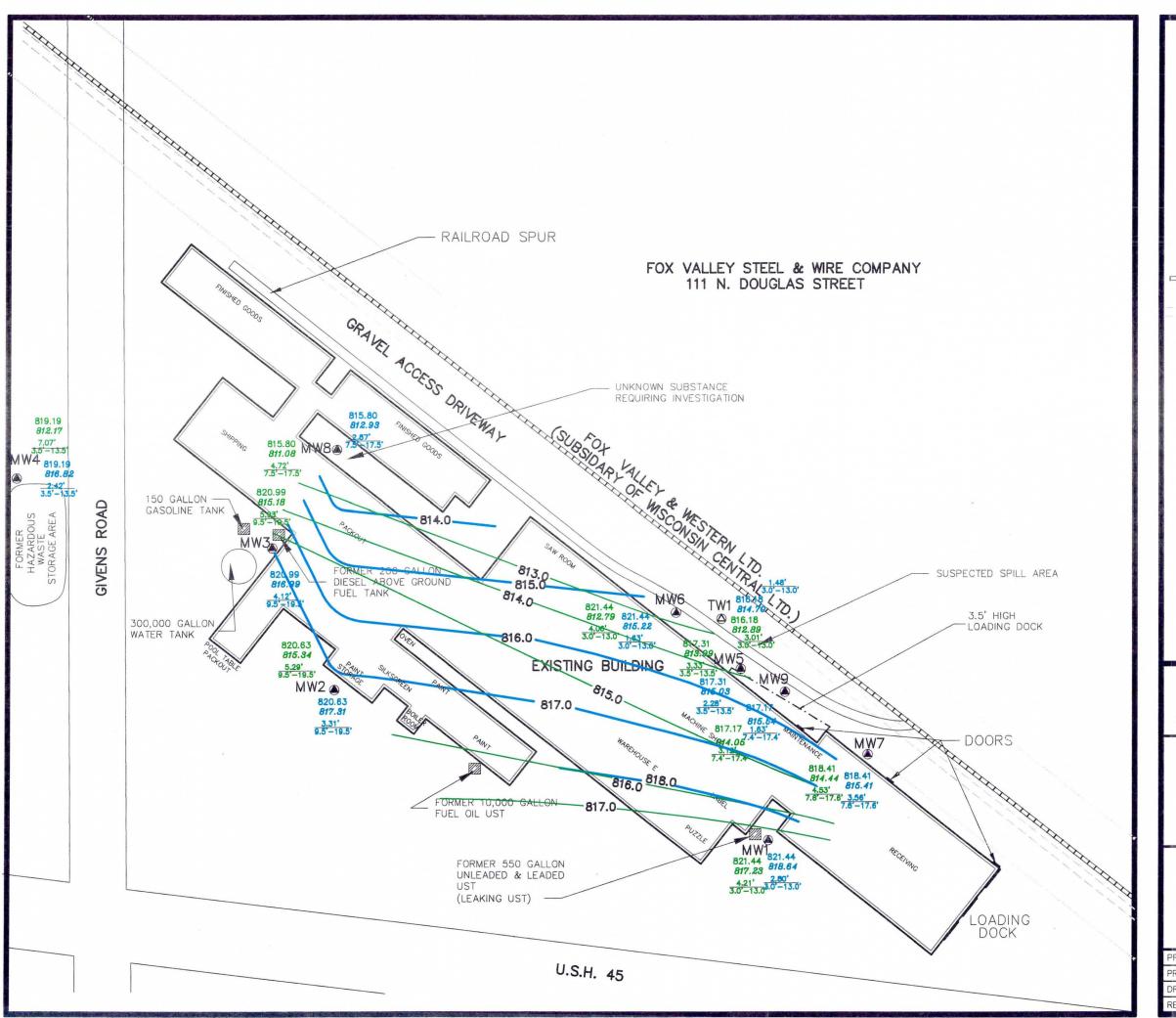
| PARAMETER | ES | PAL | MONITORING WELL TW1 | | | | |
|--------------------------------------|--|------------|----------------------|---------------|-----------------------|--------------|--------------|
| | | | Data provided by DNR | | OMNNI data collection | | |
| SAMPLE DATE | - | - | May-94 | 7/14/98 | 11/1/99 | 5/25/01 | 8/29/01 |
| DETECTED VOCs / PVOCs (µg/L) | | | | | | | |
| BENZENE | 5 | 0.5 | This monitor | ring well was | installed on | <0.21 | <0.21 |
| SEC-BUTYLBENZENE | - | - | | 5/8/01 | | <0.21 | <0.21 |
| N-BUTYLBENZENE | - | - | | | | <0.13 | <0.13 |
| 1,1-DICHLOROETHANE | 850 | 85 | ĺ | | | <0.24 | <0.24 |
| CIS-1,2-DICHLOROETHENE | 70 | 7 | | | | <0.21 | <0.21 |
| ETHYLBENZENE | 700 | 140 | | | | <0.22 | <0.22 |
| ISOPROPYLBENZENE | - | - | | | | <0.19 | <0.19 |
| P-ISOPROPYLBENZENE | - | - | | | | <0.16 | <0.16 |
| METHYLENE CHLORIDE | 5 | 0.5 | | | | <0.22 | <0.22 |
| МТВЕ | 60 | 12 | | | | <0.46 | <0.46 |
| NAPHTHALENE | 40 | 8 | | | | <0.69 | <0.69 |
| TETRACHLOROETHENE | 5 | 0.5 | | | | <0.22 | 0.25"J" |
| TOLUENE | 1000 | 200 | | | | <0.41 | <0.41 |
| 1,1,1-TRICHLOROETHANE | 200 | 40 | | | | <0.26 | <0.26 |
| TRICHLOROETHENE | 5 | 0.5 | | | | <0.24 | <0.24 |
| 1,2,4-TRIMETHYLBENZENE | 480 | 96 | | | | <0.26 | <0.26 |
| 1,3,5-TRIMETHYLBENZENE | (combined) | (combined) | | | | <0.34 | <0.34 |
| XYLENES | 10000 | 1000 | | | | <0.43 | <0.43 |
| DETECTED SEMIVOLATILES (µg/L) | 10000 | 1000 | | | | \0.43 | VO.43 |
| | T . | | | | | NA | NA |
| 2-METHYLPHENOL | | | | | | NA NA | NA NA |
| 4-METHYLPHENOL | | | | | | | |
| ISOPHORONE | - | | | | | NA NA | NA NA |
| 2,4-DIMETHYLPHENOL | - | - | | | | NA | NA NA |
| 4-CHLORO-3-METHYLPHENOL | - | | | | | NA | NA NA |
| 2-METHYLNAPHTHALENE | - | - | | | | NA 0.007 | NA O 17 |
| ACENAPHTHENE | | - | | | | <0.027 | <0.17 |
| DIBENZOFURAN | - | - | | | | NA | NA NA |
| DIETHYLPHTHALATE | - 400 | - | | | | NA 0.000 | NA 0.00 |
| FLUORENE | 400 | 80 | | | | <0.029 | <0.33 |
| PHENANTHRENE | - | - | | | | <0.028 | 0.11"J" |
| ANTHRACENE | 3000 | 600 | | | | 0.035"J" | 0.013"J" |
| CARBAZOLE | - | • | ļ | | | NA | NA |
| DI-N-BUTYLPHTHALATE | - | - | | | | NA | NA |
| FLUORANTHENE | 400 | 80 | | | | <0.021 | <0.36 |
| NAPHTHALENE | 40 | 8 | | | | <0.031 | <0.22 |
| PYRENE | 250 | 50 | | | | <0.024 | <0.059 |
| BUTYLBENZYLPHTHALATE | - | | | | | NA | NA |
| BIS(2-ETHYLHEXYL)PHTHALATE | - | - | | | | NA | NA |
| METHANE (µg/L) | - | - | | | | <0.5 | 2.1 |
| NITROGEN (NITRATE) (mg/L) | - | - | | | <u> </u> | 1.8 | 0.55 |
| ETHANE (μg/L) | - | - | | *** | | <0.5 | <0.5 |
| ETHENE (µg/L) | - | - | | | | 5.5 | <0.5 |
| ERROUS IRON (mg/L) | - | - | | | | NA | 0.59 |
| SULFATE (mg/L SO ₄ -2) | - | - | | | | 15 | 12 |
| ALKALINITY (mg/L CaCO ₃) | - | - | | | | NA | 300 |
| DISSOLVED OXYGEN (mg/L) | - | - | | | | 3.68 | NA |

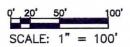
⁼ sample concentrations detected over the enforcement standard = sample concentrations detected over the preventive action limit

NA = analyte was not analyzed

ND = analyte was analyzed for, but not detected

[&]quot;I" = numerical value is an estimated quantity, analyte detected between limit of detection and limit of quantitation "B" = analyte was also present in the blank





LEGEND:

TW1 ♠

Temporary Well Location and I.D. No

LOCAL GRID NORTH

MW1

Well Location and I.D. No.

Rail Road

Edge of Ditch

Rail Road Right-of-Way

Approximate Location of Tank

MW1

821.44 Surface Elevation at Well
Groundwater Elevation at Well

Depth to Water from Surface Screened Interval (ft.)

—818.0 — Groundwater Contour Line (1.0' Contour Interval)

MW1● 821.44 818.64 Groundwater Elevation at Well

ordanawater Elevation at wer

2.80' Depth to Water from Surface Screened Interval (ft.)

——817.0— Groundwater Contour Line (1.0' Contour Interval)

FIGURE 8
GROUNDWATER ELEVATION
CONTOUR MAP (5/25/01 & 8/29/01)

FORMER AMERICAN TOY & FURNITURE COMPANY HORTONVILLE, WISCONSIN



ONE SYSTEMS DRIVE APPLETON, WI 54914

PHONE (920) 735-6900 FAX (920) 830-6100

| ROJECT MANAGER: | BDW | PROJECT NO: | N1666A01 |
|------------------|-----|--------------|-----------|
| ROJECT ENGINEER: | BDW | CAD FILE NO: | N1666A2 |
| RAWN BY: | DLD | SCALE: | 1" = 100' |
| EVIEWED BY: | | DATE: | 9/4/01 |

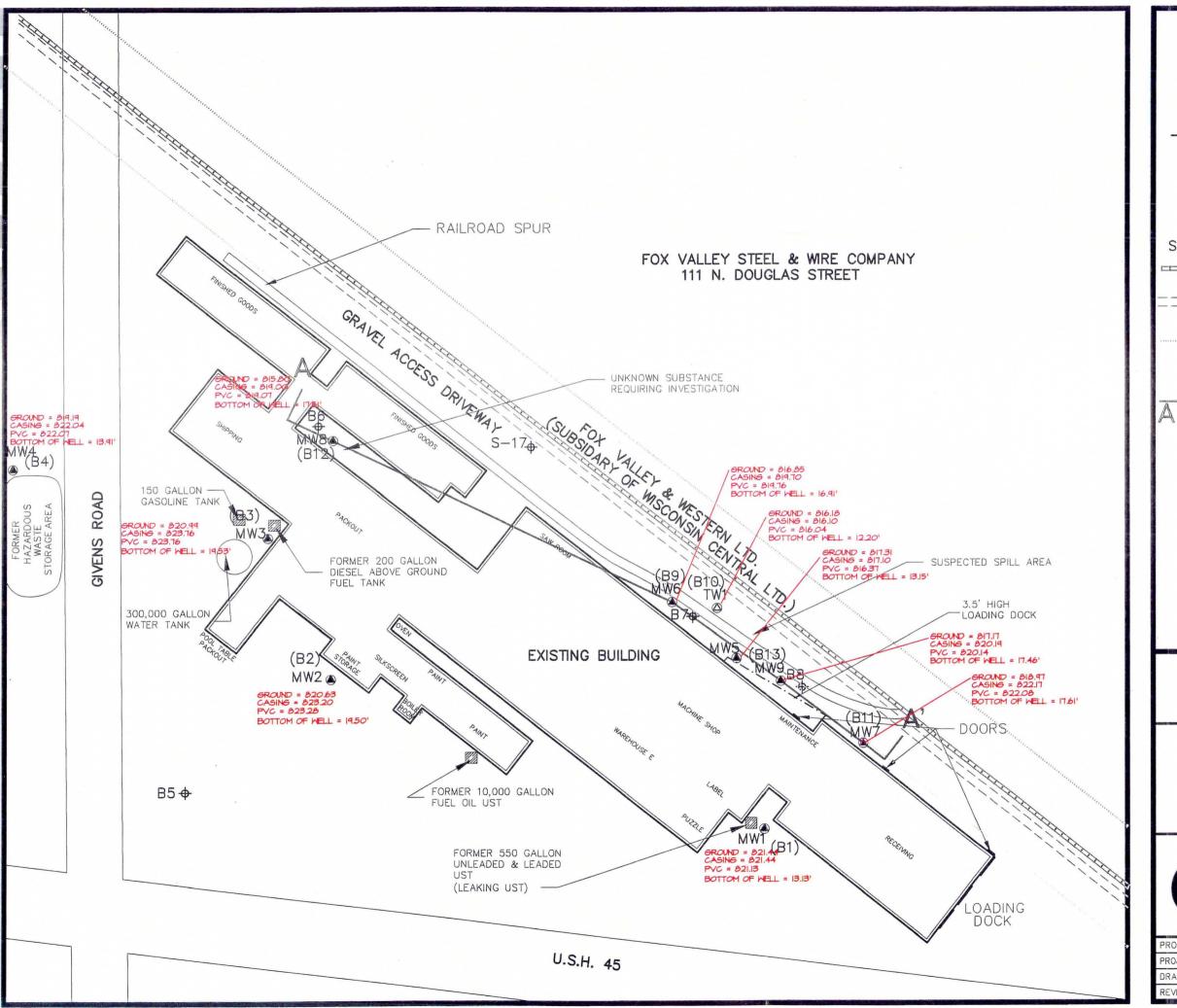




FIGURE 2 SITE DETAIL MAP

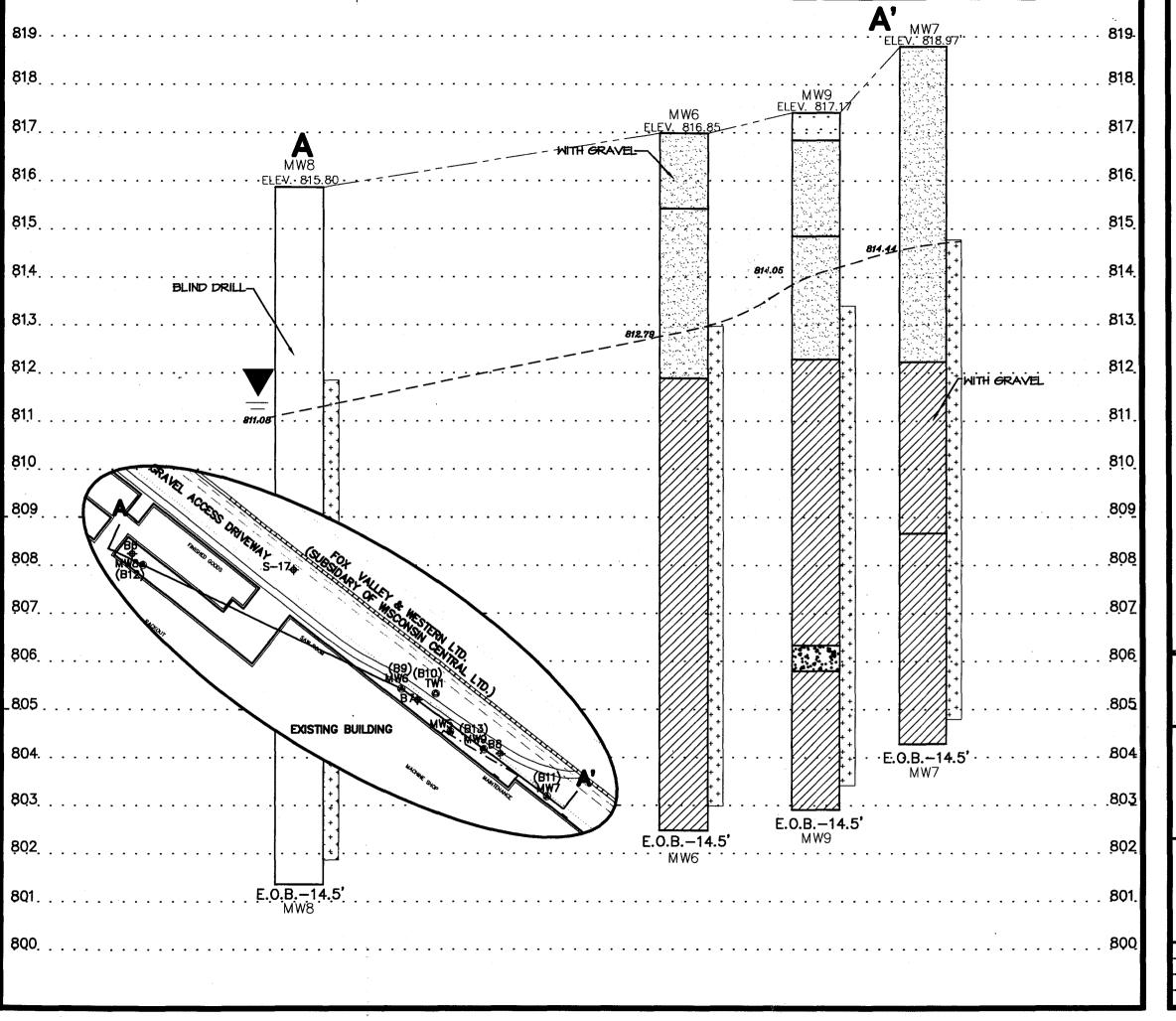
FORMER AMERICAN TOY & FURNITURE COMPANY HORTONVILLE, WISCONSIN

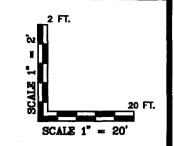


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|-------------------|-----|--------------|-----------|
| PROJECT ENGINEER: | BDW | CAD FILE NO: | N1666A2 |
| DRAWN BY: | DLD | SCALE: | 1" = 100' |
| REVIEWED BY: | | DATE: | 9/4/01 |





LEGEND:

Sand

Black Rock

Topsoil

Surface Elevation Line



Screened Interval

Groundwater Elevation at Well



Water Table (8/29/01)

Groundwater Line

FIGURE 4 DIAGRAMMATIC CROSS-SECTION OF STRATIGRAPHY FROM A TO A'

FORMER AMERICAN TOY & FURNITURE COMPANY HORTONVILLE, WISCONSIN



| PROJECT MANAGER: | | PROJECT NO: | N1666A01 |
|-------------------|-----|--------------|----------|
| PROJECT ENGINEER: | | CAD FILE NO: | SITE |
| DRAWN BY: | | SCALE: | |
| REVIEWED BY: | DLD | DATE: | 9/24/01 |