GIS REGISTRY
Cover Sheet

March, 2010
(RR 5367)

Source Property Information

CLOSURE DATE: Sep 27, 1999

BRRTS #: **03-38-000645**

FID #:

ACTIVITY NAME: Dukes Service

DATCP #:

PROPERTY ADDRESS: 905 Main Ave

COMM #: 54114999905A

MUNICIPALITY: Crivitz

PARCEL ID #: 121-00387.004

***WTM COORDINATES:**

X: **676175** Y: **530665**

** Coordinates are in WTM83, NAD83 (1991)*

WTM COORDINATES REPRESENT:

- (●) Approximate Center Of Contaminant Source
- ( ) Approximate Source Parcel Center

Please check as appropriate: (BRRTS Action Code)

Contaminated Media:

- [x] Groundwater Contamination > ES *(236)*
  - [ ] Contamination in ROW
  - [ ] Off-Source Contamination

  *(**note:** for list of off-source properties see "Impacted Off-Source Property" form)*

- [ ] Soil Contamination > *RCL or **SSRCL *(232)*
  - [ ] Contamination in ROW
  - [ ] Off-Source Contamination

  *(**note:** for list of off-source properties see "Impacted Off-Source Property" form)*

Land Use Controls:

- [x] N/A (*Not Applicable*)
- [ ] Soil: maintain industrial zoning *(220)*

  *(**note:** soil contamination concentrations between non-industrial and industrial levels)*
- [ ] Structural Impediment *(224)*
- [ ] Site Specific Condition *(228)*
- [ ] Cover or Barrier *(222)*

  *(**note:** maintenance plan for groundwater or direct contact)*
- [ ] Vapor Mitigation *(226)*
- [ ] Maintain Liability Exemption *(230)*

  *(**note:** local government unit or economic development corporation was directed to take a response action)*

Monitoring Wells:

Are all monitoring wells properly abandoned per NR 141? *(234)*

(●) Yes ( ) No ( ) N/A

** Residual Contaminant Level*
***Site Specific Residual Contaminant Level*

GIS Registry Checklist

This Adobe Fillable form is intended to provide a list of information that is required for evaluation for case closure. It is to be used in conjunction with Form 4400-202, Case Closure Request. The closure of a case means that the Department has determined that no further response is required at that time based on the information that has been submitted to the Department.

NOTICE: Completion of this form is mandatory for applications for case closure pursuant to ch. 292, Wis. Stats. and ch. NR 726, Wis. Adm. Code, including cases closed under ch. NR 746 and ch. NR 726. The Department will not consider, or act upon your application, unless all applicable sections are completed on this form and the closure fee and any other applicable fees, required under ch. NR 749, Wis. Adm. Code, Table 1 are included. It is not the Department's intention to use any personally identifiable information from this form for any purpose other than reviewing closure requests and determining the need for additional response action. The Department may provide this information to requesters as required by Wisconsin's Open Records law [ss. 19.31 - 19.39, Wis. Stats.].

BRRTS #: 03-38-000645 PARCEL ID #: 121-00387.004

ACTIVITY NAME: Dukes Service WTM COORDINATES: X: 676175 Y: 530665

CLOSURE DOCUMENTS (the Department adds these items to the final GIS packet for posting on the Registry)

- [x] **Closure Letter**
- [ ] **Maintenance Plan** (*if activity is closed with a land use limitation or condition (land use control) under s. 292.12, Wis. Stats.*)
- [ ] **Continuing Obligation Cover Letter** (for property owners affected by residual contamination and/or continuing obligations)
- [ ] **Conditional Closure Letter**
- [ ] **Certificate of Completion (COC)** (for VPLE sites)

SOURCE LEGAL DOCUMENTS

- [x] **Deed:** The most recent deed as well as legal descriptions, for the **Source Property** (where the contamination originated). Deeds for other, off-source (off-site) properties are located in the **Notification** section.
  Note: *If a property has been purchased with a land contract and the purchaser has not yet received a deed, a copy of the land contract which includes the legal description shall be submitted instead of the most recent deed. If the property has been inherited, written documentation of the property transfer should be submitted along with the most recent deed.*
- [ ] **Certified Survey Map:** A copy of the certified survey map or the relevant section of the recorded plat map *for those properties where the legal description in the most recent deed refers to a certified survey map or a recorded plat map.* (lots on subdivided or platted property (e.g. lot 2 of xyz subdivision)).

  Figure #: **Title:**
- [ ] **Signed Statement:** A statement signed by the Responsible Party (RP), which states that he or she believes that the attached legal description accurately describes the correct contaminated property.

MAPS (meeting the visual aid requirements of s. NR 716.15(2)(h))

Maps must be no larger than 11 x 17 inches unless the map is submitted electronically.

- [x] **Location Map:** A map outlining all properties within the contaminated site boundaries on a U.S.G.S. topographic map or plat map in sufficient detail to permit easy location of all parcels. If groundwater standards are exceeded, include the location of all potable wells within 1200 feet of the site.
  Note: *Due to security reasons municipal wells are not identified on GIS Packet maps. However, the locations of these municipal wells must be identified on Case Closure Request maps.*

  Figure #: 1 **Title: Site Location Map**
- [x] **Detailed Site Map:** A map that shows all relevant features (buildings, roads, individual property boundaries, contaminant sources, utility lines, monitoring wells and potable wells) within the contaminated area. This map is to show the location of all contaminated public streets, and highway and railroad rights-of-way in relation to the source property and in relation to the boundaries of groundwater contamination exceeding a ch. NR 140 Enforcement Standard (ES), and/or in relation to the boundaries of soil contamination exceeding a Residual Contaminant Level (RCL) or a Site Specific Residual Contaminant Levels (SSRCL) as determined under s. NR 720.09, 720.11 and 720.19.

  Figure #: 2 **Title: Boring & Well Location Map**
- [ ] **Soil Contamination Contour Map:** For sites closing with residual soil contamination, this map is to show the location of all contaminated soil and a single contour showing the horizontal extent of each area of contiguous residual soil contamination that exceeds a Residual Contaminant Level (RCL) or a Site Specific Residual Contaminant Level (SSRCL)as determined under s. NR 720.09, 720.11 and 720.19.

  Figure #: **Title:**

BRRTS #: 03-38-000645 ACTIVITY NAME: Dukes Service

MAPS (continued)

☒ **Geologic Cross-Section Map:** A map showing the source location and vertical extent of residual soil contamination exceeding a Residual Contaminant Level (RCL) or a Site Specific Residual Contaminant Level (SSRCL). If groundwater contamination exceeds a ch. NR 140 Enforcement Standard (ES) when closure is requested, show the source location and vertical extent, water table and piezometric elevations, and locations and elevations of geologic units, bedrock and confining units, if any.

Figure #: 3 **Title: Boring/Monitoring Well Location Plan, Soil Cross Section A-A'**

Figure #: **Title: Soil Cross Section B-B'**

☐ **Groundwater Isoconcentration Map:** For sites closing with residual groundwater contamination, this map shows the horizontal extent of all groundwater contamination exceeding a ch. NR140 Preventive Action Limit (PAL) and an Enforcement Standard (ES). Indicate the direction and date of groundwater flow, based on the most recent sampling data.
Note: *This is intended to show the total area of contaminated groundwater.*

Figure #: **Title:**

☒ **Groundwater Flow Direction Map:** A map that represents groundwater movement at the site. If the flow direction varies by more then 20° over the history of the site, submit 2 groundwater flow maps showing the maximum variation in flow direction.

Figure #: 4 **Title: Water Table Map (06/24/97)**

Figure #: **Title:**

TABLES (meeting the requirements of s. NR 716.15(2)(h)(3))

Tables must be no larger than 11 x 17 inches unless the table is submitted electronically. Tables must not contain shading and/or cross-hatching. The use of **BOLD** or *ITALICS* is acceptable.

☐ **Soil Analytical Table:** A table showing remaining soil contamination with analytical results and collection dates.
Note: This is one table of results for the contaminants of concern. Contaminants of concern are those that were found during the site investigation, that remain after remediation. It may be necessary to create a new table to meet this requirement.

Table #: **Title:**

☒ **Groundwater Analytical Table:** Table(s) that show the most recent analytical results and collection dates, for all monitoring wells and any potable wells for which samples have been collected.

Table #: 1 **Title: Water Analytical Results**

☐ **Water Level Elevations:** Table(s) that show the previous four (at minimum) water level elevation measurements/dates from all monitoring wells. If present, free product is to be noted on the table.

Table #: **Title:**

IMPROPERLY ABANDONED MONITORING WELLS

For each monitoring well not properly abandoned according to requirements of s. NR 141.25 include the following documents.
Note: *If the site is being listed on the GIS Registry for only an improperly abandoned monitoring well you will only need to submit the documents in this section for the GIS Registry Packet.*

☒ **Not Applicable**

☐ **Site Location Map:** A map showing all surveyed monitoring wells with specific identification of the monitoring wells which have not been properly abandoned.
Note: *If the applicable monitoring wells are distinctly identified on the Detailed Site Map this Site Location Map is not needed.*

Figure #: **Title:**

☐ **Well Construction Report:** Form 4440-113A for the applicable monitoring wells.

☐ **Deed:** The most recent deed as well as legal descriptions for each property where a monitoring well was not properly abandoned.

☐ **Notification Letter:** Copy of the notification letter to the affected property owner(s).

BRRTS #: 03-38-000645 ACTIVITY NAME: Dukes Service

NOTIFICATIONS

Source Property

☒ **Not Applicable**

☐ **Letter To Current Source Property Owner:** If the source property is owned by someone other than the person who is applying for case closure, include a copy of the letter notifying the current owner of the source property that case closure has been requested.

☐ **Return Receipt/Signature Confirmation:** Written proof of date on which confirmation was received for notifying current source property owner.

Off-Source Property

Group the following information per individual property and label each group according to alphabetic listing on the "Impacted Off-Source Property" attachment.

☒ **Not Applicable**

☐ **Letter To "Off-Source" Property Owners:** Copies of all letters sent by the Responsible Party (RP) to owners of properties with groundwater exceeding an Enforcement Standard (ES), and to owners of properties that will be affected by a land use control under s. 292.12, Wis. Stats.
Note: *Letters sent to off-source properties regarding residual contamination must contain standard provisions in Appendix A of ch. NR 726.*

Number of "Off-Source" Letters:

☐ **Return Receipt/Signature Confirmation:** Written proof of date on which confirmation was received for notifying any off-source property owner.

☐ **Deed of "Off-Source" Property:** The most recent deed(s) as well as legal descriptions, for all affected deeded **off-source property(ies).** This does not apply to right-of-ways.
Note: *If a property has been purchased with a land contract and the purchaser has not yet received a deed, a copy of the land contract which includes the legal description shall be submitted instead of the most recent deed. If the property has been inherited, written documentation of the property transfer should be submitted along with the most recent deed.*

☐ **Letter To "Governmental Unit/Right-Of-Way" Owners:** Copies of all letters sent by the Responsible Party (RP) to a city, village, municipality, state agency or any other entity responsible for maintenance of a public street, highway, or railroad right-of-way, within or partially within the contaminated area, for contamination exceeding a groundwater Enforcement Standard (ES) and/or soil exceeding a Residual Contaminant Level (RCL) or a Site Specific Residual Contaminant Level (SSRCL).

Number of "Governmental Unit/Right-Of-Way Owner" Letters:

State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

Tommy G. Thompson, Governor
George E. Meyer, Secretary
William R. Selbig, Regional Director

Peshtigo Service Center
101 N. Ogden Road P.O. Box 208
Peshtigo, Wisconsin 54157
Telephone 715-582-5000
FAX 715-582-5005

September 27, 1999

Mr. roger Dudkiewicz
905 Main Street
Crivitz, WI 54114

Subject: Final Closure: Duke's Service, Crivitz, WI
BRRTs ID No. 03 – 38 - 000645

Dear Mr. Dudkiewicz:

The purpose of this letter is to advise you that the DNR is closing the case file for your site. On April 14, 1999 we sent you a letter stating that upon filing a groundwater use restriction with the Marinette County Register of Deeds and removal of all on-site groundwater monitoring wells, the site could be formally closed.

On May 10, 1999 you filed the groundwater use restriction with the Marinette County Register of Deeds. All on-site groundwater monitoring wells were properly abandoned in April of 1999. This fulfills your closure requirements and *no further action is required.*

We appreciate your efforts to clean up this site. If you have any questions about this letter, please feel free to contact me at (715) 582 – 5048.

Sincerely,

Mike Netzer, P.G., Hydrogeologist
Remediation & Redevelopment Program
Wisconsin Department of Natural Resources
Northeast Region – Peshtigo Service Center

CC: Jim Rabideau – ECCI
Bruce Urben - NER

87836

Document Number

GROUNDWATER USE RESTRICTION

RECORDED

J 7577 I 23

1999 MAY 10 PM 2:37

REGISTER OF DEEDS OF MARINETTE COUNTY, WIS.

Recording Area

Name and Return Address

Roger Duane Dudkiewicz
905 Main Street
Crivitz, WI 54114

Parcel Identification Number (PIN)

Declaration of Restrictions

In Re: 905 Main Street, Crivitz, Wisconsin, also identified as a part of Lot No. 7, in Sec. 21, T. 32 N., R. 20 E., described as follows: Commencing at the Northwest corner of Kersten's Lot with his residence, being a point directly South in line with Lots 2 and 3, Block No. 24, 66 feet South: thence West along the right of way of the town road 100 feet; thence South 168 feet to the railroad right of way; thence Easterly along said right of way 102 feet; thence North along Kersten's line 172 feet to the place of beginning

RECEIVED
MAY 10 1999
WI DEPT OF NATURAL RESOURCES
PESHTIGO SERVICE CENTER

STATE OF WISCONSIN)
) ss
COUNTY OF MARINETTE)

State of Wisconsin
County of Marinette
I hereby certify that this instrument is a true and correct copy of the document of record in my office
Attest: MAY 10 1999 Register
Registrar of Deeds

WHEREAS, Roger Duane Dudkiewicz is the owner of the above-described property.

WHEREAS, one or more petroleum discharges have occurred at this property. Petroleum contaminated groundwater above NR 140 enforcement standards exists on this property at the following location(s) as located on Attachment 1 identified as Figure 3, hereby attached to and made part of this document: ~~Benzene concentration of 5.0 micrograms per Liter (ug/L)~~, ~~Ethylbenzene~~ Naphthalene concentration of ~~1760~~ 82 ug/L, ~~Toluene concentration of 343.0~~ ug/L and m,p – Xylene concentration of ~~620.0~~ 1200 ug/L at the point known as monitoring well MW – 1

WHEREAS, it is the desire and intention of the property owner to impose on the property restrictions which will make it unnecessary to conduct additional soil or groundwater remediation activities on the property at the present time.

WHEREAS, natural attenuation has been approved by the Department of Natural Resources to remediate groundwater exceeding ch. NR 140 groundwater standards within the boundaries of this property.

WHEREAS, construction of wells where the water quality exceeds the drinking water standards in ch. NR 809 is restricted by ch. NR 811 and ch. NR 812. Special well construction standards or water treatment requirements, or both, or well construction prohibitions may apply.

NOW THEREFORE, the owner hereby declares that all of the property described above is held and shall be held, conveyed or encumbered, leased, rented, used, occupied and improved subject to the following limitation and restrictions:

Anyone who proposes to construct or reconstruct a well on this property is required to contact the Department of Natural Resources' Bureau of Drinking Water and Groundwater, or its successor 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.

his restriction is hereby declared to be a covenant running with the land and shall be fully binding upon all persons acquiring the above-described property whether by descent, devise, purchase or otherwise. This restriction benefits and is enforceable by, the Wisconsin Department of Natural Resources, its successors and assigns. The Department, its successors or assigns, may initiate proceedings at law or in equity against any person or persons who violate or are proposing to violate this covenant, to prevent the proposed violation or to recover damages for such violation.

Any person who is or becomes owner of the property described above may request that the Wisconsin Department of Natural Resources or its successor issue a determination that the restrictions set forth in this covenant are no longer required. Upon receipt of such a request, the Wisconsin Department of Natural Resources shall determine whether or not the restrictions contained herein can be extinguished. If the Department determines that the restrictions can be extinguished, an affidavit, with a copy of the Department's written determination, may be recorded to give notice that this groundwater use restriction is no longer binding.

IN WITNESS WHEREOF, the owner of the property has executed this Declaration of Restrictions, this _____ day of May 10, 1999.

Signature: Roger Duane Dudkiewicz

Printed Name: Roger Duane Dudkiewicz

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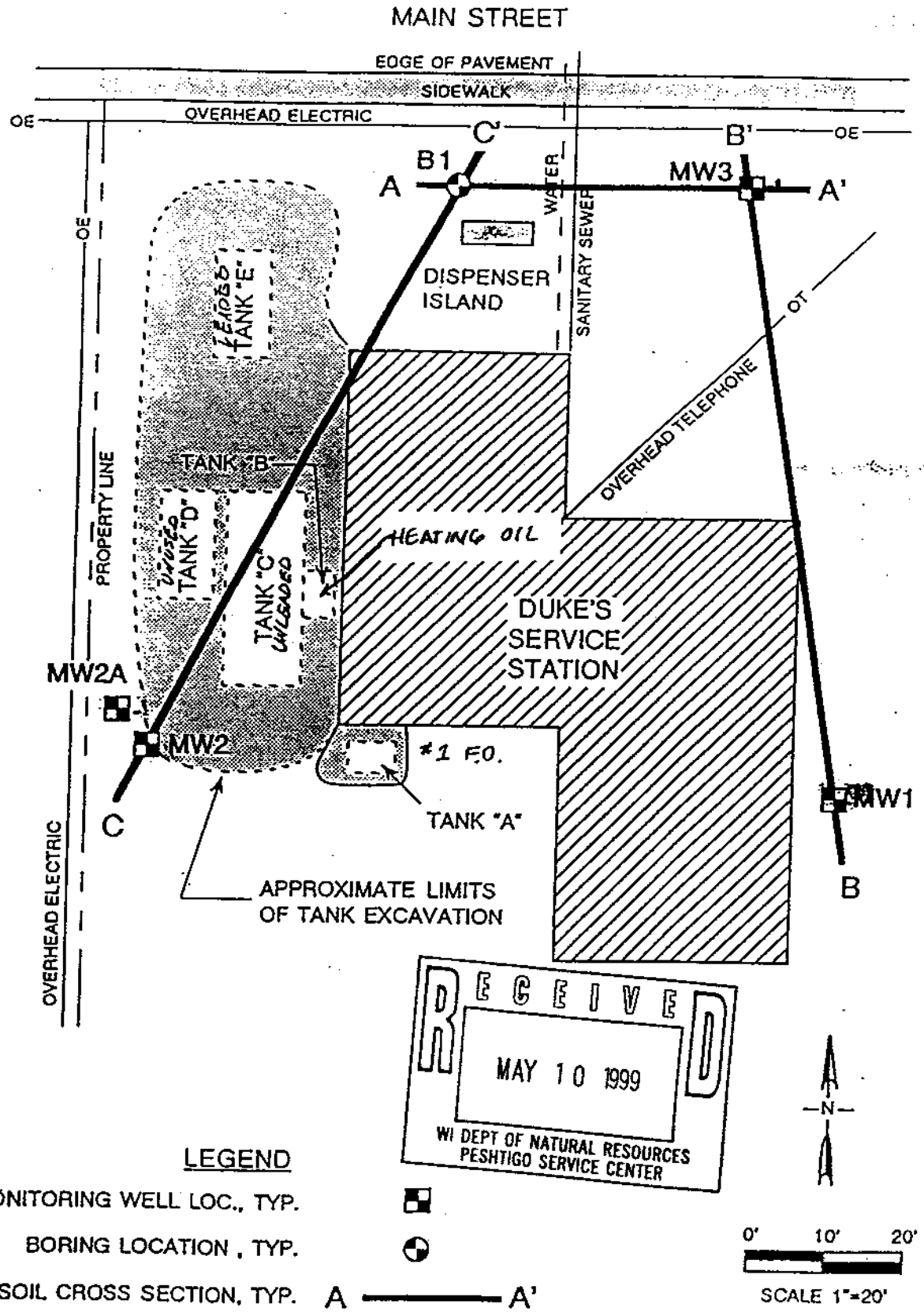
MAY 10 1999
WI DEPT OF NATURAL RESOURCES
PESHTIGO SERVICE CENTER

Subscribed and sworn to before me
this 10 day of May, 1999.

Phyllis J. Beinzedy
Notary Public, State of Wisconsin
My commission Jan 1, 2001

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

ATTACHMENT 1 J 7577 I 25



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MAY 10 1999
WI DEPT OF NATURAL RESOURCES
PESHTIGO SERVICE CENTER

LEGEND

MONITORING WELL LOC., TYP.

BORING LOCATION, TYP.

SOIL CROSS SECTION, TYP. A —— A'

CLIENT: DUKE'S SERVICE STATION JOB: REMEDIAL INVESTIGATION LOCATION: 905 MAIN STREET CRIVITZ, WISCONSIN	Date 3-12-91	By HVM	
	Job No. 10752E1	Ck KKG	

MILLER ENGINEERS

FIGURE 3 - BORING / MONITORING WELL LOCATION PLAN

TABLE 1
WATER ANALYTICAL RESULTS MONITORING WELL - MW-1

PARAMETERS	Dec-90	Oct-91	Jan-92	Apr-92	Jul-92	May-95	Aug-95	Feb-96	May-96	Feb-97	Jun-97
Benzene	*1.2*	nd	13	nd	nd	nd	nd	nd	nd	nd	nd
n-Butylbenzene	nd	1100	230	nd	217	57	46	40	na	na	na
Tert-Butylbenzene	81	nd	nd	16	nd	nd	nd	nd	na	na	na
Sec-Butylbenzene	4.7	nd	nd	nd	10	nd	nd	nd	na	na	na
1,2-Dichlorethane	nd	nd	nd	nd	nd	nd	nd	nd	na	na	na
Ethylbenzene	86	*380*	*190*	nd	120	*450*	*410*	*360*	110	*150*	110
p-Isopropylbenzene	18	nd	26	nd	12	40	38	nd	na	na	na
Isopropylbenzene	nd	nd	nd	nd	nd	38	37	36	na	na	na
MTBE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
Naphthalene	0.2	320	130	4.5	44	380	300	400	130	120	82
n-Propylbenzene	nd	nd	54	4.9	26	50	48	71	na	na	na
1,3,5-TMB	121	710	440	16	613	2100	570	680	760	280	220
1,2,4-TMB	64	2300	1100	14	378	680	1700	2100	290	110	670
Toluene	106	960	590	nd	nd	90	76	40	10	4.5	1.8
m & p- Xylene	*170*	2500	1200	2.61	1420	4800	4000	4300	1200	1700	1200
o-Xylene	*126*	1600	650	9.3	225	610	590	540	180	190	130
Total BETX	489.2	5440	2643	11.91	1765	5950	5076	5240	1500	2044.5	1441.8

nd= Compound not detected All Results in ppb Bold type indicates ES exceedence na = compound not analyzed
Italic type indicates PAL exceedence

TABLE 2
WATER ANALYTICAL RESULTS MONITORING WELL - MW-2

PARAMETERS	Dec-90	Oct-91	Jan-92	Apr-92	Jul-92	May-95	Aug-95	Feb 96	May-96	Feb-97	Jun-97
Benzene	nd	1100	24	nd	269	nd	14	2.8	nd	nd	nd
n-Butylbenzene	nd	190	3	nd	56	nd	nd	nd	na	na	na
Tert-Butylbenzene	nd	nd	nd	nd	nd	nd	nd	nd	na	na	na
Sec-Butylbenzene	nd	nd	nd	nd	nd	nd	nd	nd	na	na	na
1,2-Dichlorethane	nd	nd	nd	nd	nd	nd	nd	nd	na	na	na
Ethylbenzene	nd	*280*	4	nd	*178*	nd	65	26	nd	9	nd
p-Isopropylbenzene	nd	nd	nd	nd	9.7	1.2	nd	nd	na	na	na
Isopropylbenzene	nd	nd	nd	nd	nd	nd	nd	1.3	na	na	na
MTBE	nd	nd	nd	nd	*18*	nd	nd	nd	nd	nd	nd
Naphthalene	nd	120	4	nd	*27*	nd	*9.4*	*14*	nd	5.5	nd
n-Propylbenzene	nd	nd	nd	nd	17	nd	nd	3.2	na	na	na
1,3,5-TMB	nd	120	5	nd	229	2	16	13	nd	6.1	nd
1,2,4-TMB	nd	410	13	nd	55	nd	50	45	nd	21	0.54
Toluene	nd	2200	36	nd	2030	5.6	*310*	*110*	nd	4.3	0.31
m & p- Xylene	nd	760	19	nd	1090	6.3	*310*	*130*	nd	45	0.69
o-Xylene	nd	610	15	2.3	543	2.2	*150*	*39*	nd	7.9	0.3
Total BETX	0	4950	98	2.3	4110	14.1	849	307.8	0	66.2	1.3

nd= Compound not detected All Results in ppb Bold type indicates ES exceedence na = compound not analyzed

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PESHTIGO SERVICE CENTER

J 7577 1 26

587836

DOCUMENT NO.

543305

WARRANTY DEED

STATE BAR OF WISCONSIN FORM 2 — 1982

THIS SPACE RESERVED FOR RECORDING DATA

J5372 P28

1995 SEP 25 PM 12:54

REGISTER OF DEEDS
OF MARINETTE COUNTY, WIS.

RETURN TO 414 834-2287
Atty. Wm. N. Leege
P. O. Box 104
Oconto, WI 54153

10.00

Lydia Dudkiewicz, a single person

conveys and warrants to Roger Duane Dudkiewicz

the following described real estate in Marinette County, State of Wisconsin:

Tax Parcel No: 121-00387-004

A part of Lot No. 7, in Sec. 21, T.32 N., R.20 E., described as follows: Commencing at the Northwest corner of Kersten's Lot with his residence, being a point directly South in line with Lots 2 and 3, Block No. 24, 66 feet South; thence West along the right of way of the town road 100 feet; thence South 168 feet to the railroad right of way; thence Easterly along said right of way 102 feet; thence North along Kersten's line 172 feet to the place of beginning.

This Warranty Deed is given in fulfillment of a Land Contract between these same parties. Said land contract was dated September 30, 1978, and recorded October 3, 1978 in Jacket 198, Images 41-42, Document No. 403390.

State of Wisconsin
County of Marinette
I hereby certify that this instrument is a true and correct copy of the document recorded in my office
APR 27 1998
Register of Deeds

TRANSFER #8 FEE MARINETTE COUNTY

Exception to warranties: Except any liens or encumbrances created or suffered to be created by the acts or defaults of the Purchaser.

Dated this 15th day of September, 19 95.

(SEAL) Lydia Dudkiewicz (SEAL)
* Lydia Dudkiewicz

(SEAL) (SEAL)
* *

AUTHENTICATION

Signature(s)

authenticated this day of

*

TITLE: MEMBER STATE BAR OF WISCONSIN

(If not, authorized by § 706.06, Wis. Stats.)

THIS INSTRUMENT WAS DRAFTED BY
Attorney William N. Leege
P. O. Box 104
Oconto, WI 54153
(Signatures may be authenticated or acknowledged. Both are not necessary.)

ACKNOWLEDGMENT

STATE OF WISCONSIN } ss.
Marinette County.
Personally came before me this 15th day of September, 19 95 the above named Lydia Dudkiewicz, a single person,
to me known to be the person who executed the foregoing instrument and acknowledge the same.

NOTARY PUBLIC WILLIAM N. LEEGE STATE OF WISCONSIN

* William N. Leege
Notary Public Marinette County, Wis.
My Commission is permanent. (If not, state expiration date: , 19 .)

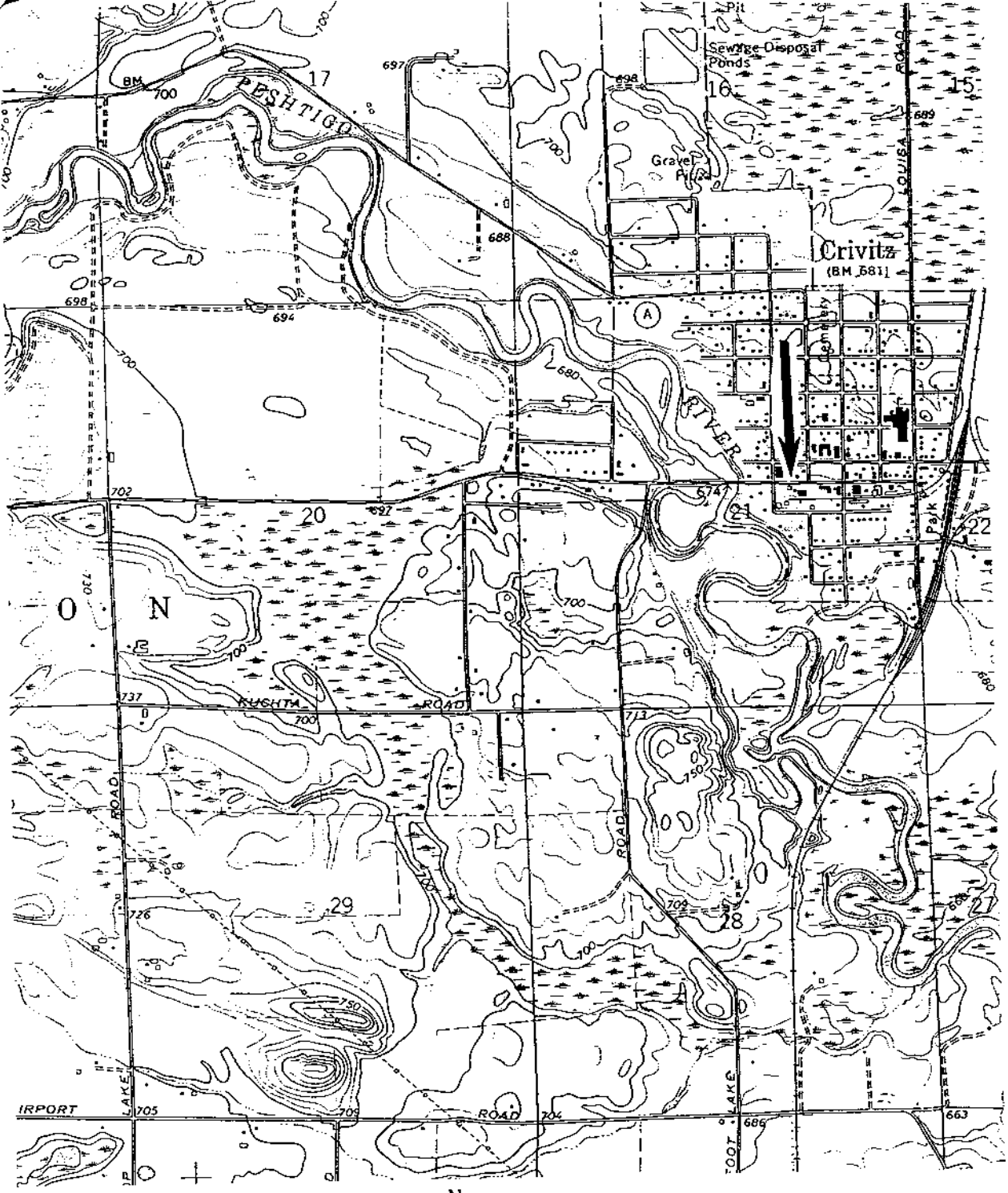
*Names of persons signing in any capacity should be typed or printed below their signatures.

WARRANTY DEED

STATE BAR OF WISCONSIN FORM No. 2 — 1982

Wisconsin Legal Blank Co., Inc. Milwaukee, Wisconsin

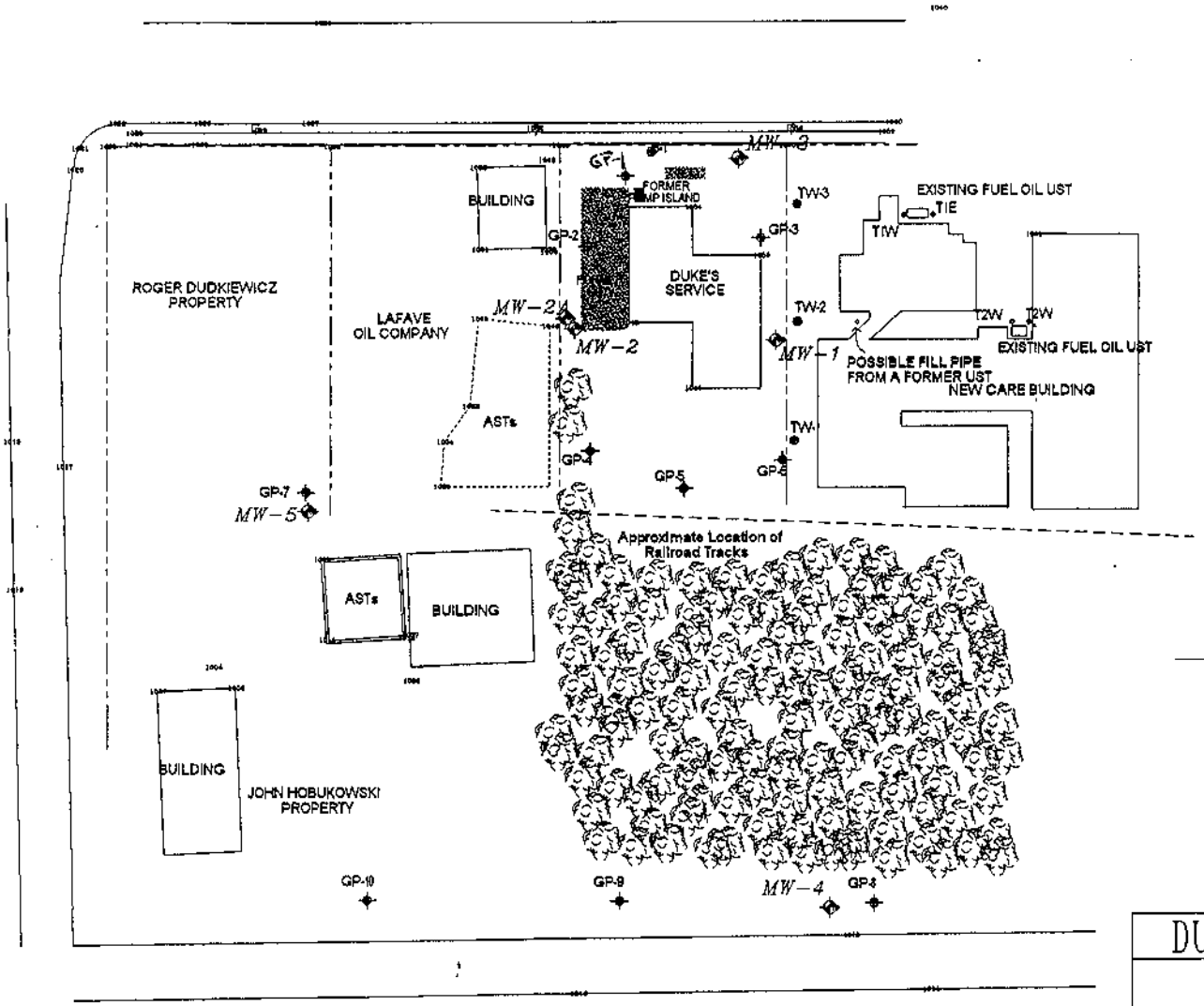
543305



N

NOTE: Taken from the Crivitz, Wis 7.5 Topographic Map (1982)

DUKE'S SERVICE STATION – CRIVITZ, WI	
FIGURE 1	
SITE LOCATION MAP	
SCALE: 1"= 2000'	DATE: 5/18/95
Environmental Compliance Consultants, Inc.	BY: J. RABIDEAU

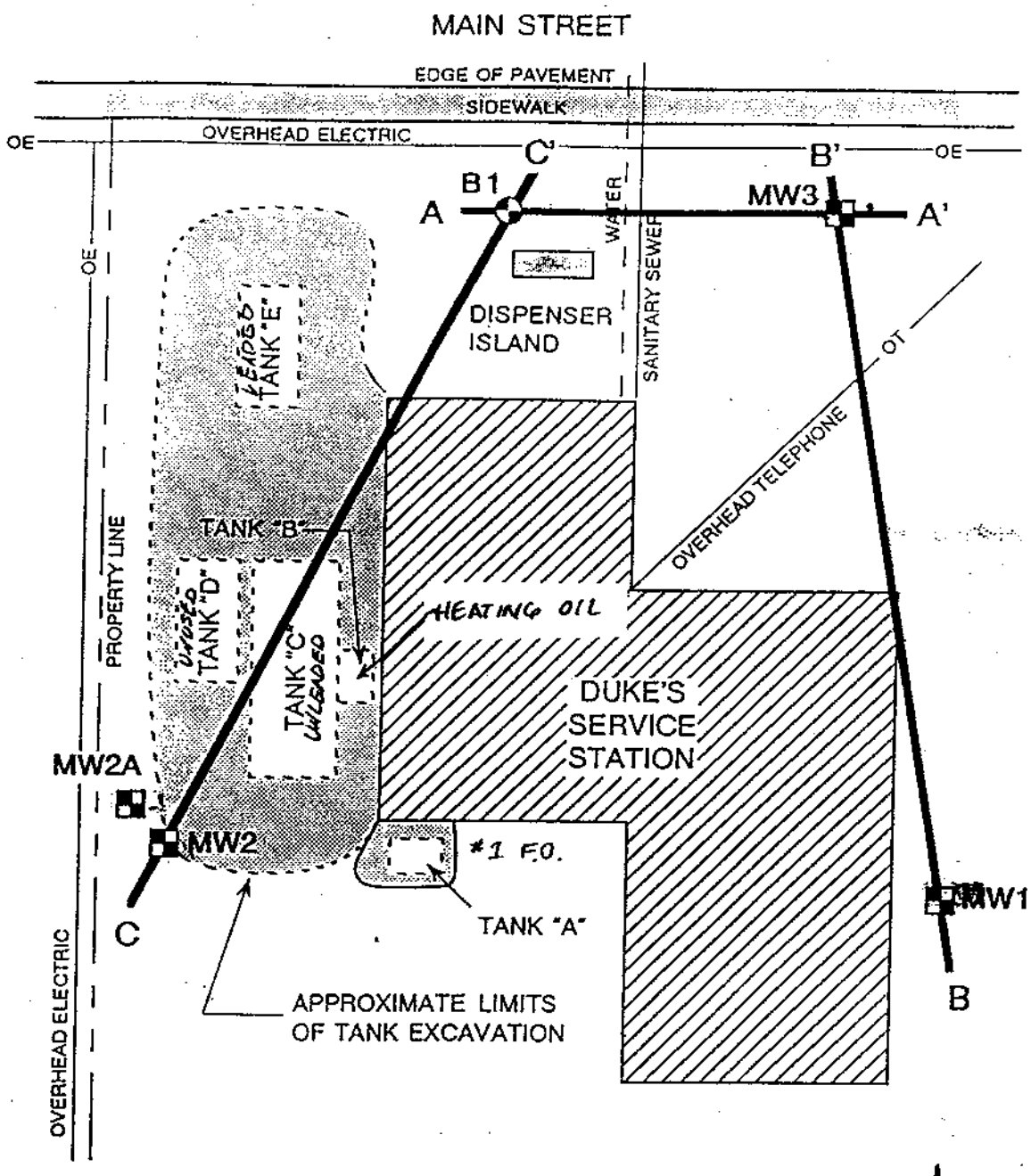


DUKE'S SERVICE - CRIVITZ, WI

FIGURE 2
BORING & WELL LOCATION MAP

SCALE: see scale bar	*DATE:* 1-27-96	
Prepared For: ENVIRONMENTAL COMPLIANCE CONSULTANTS		JMR
Prepared By: TECHNICAL ENGINEERING SUPPORT SERVICES		DJC

ATTACHMENT 1



LEGEND

MONITORING WELL LOC., TYP.

BORING LOCATION , TYP.

SOIL CROSS SECTION, TYP. A —— A'

0' 10' 20'

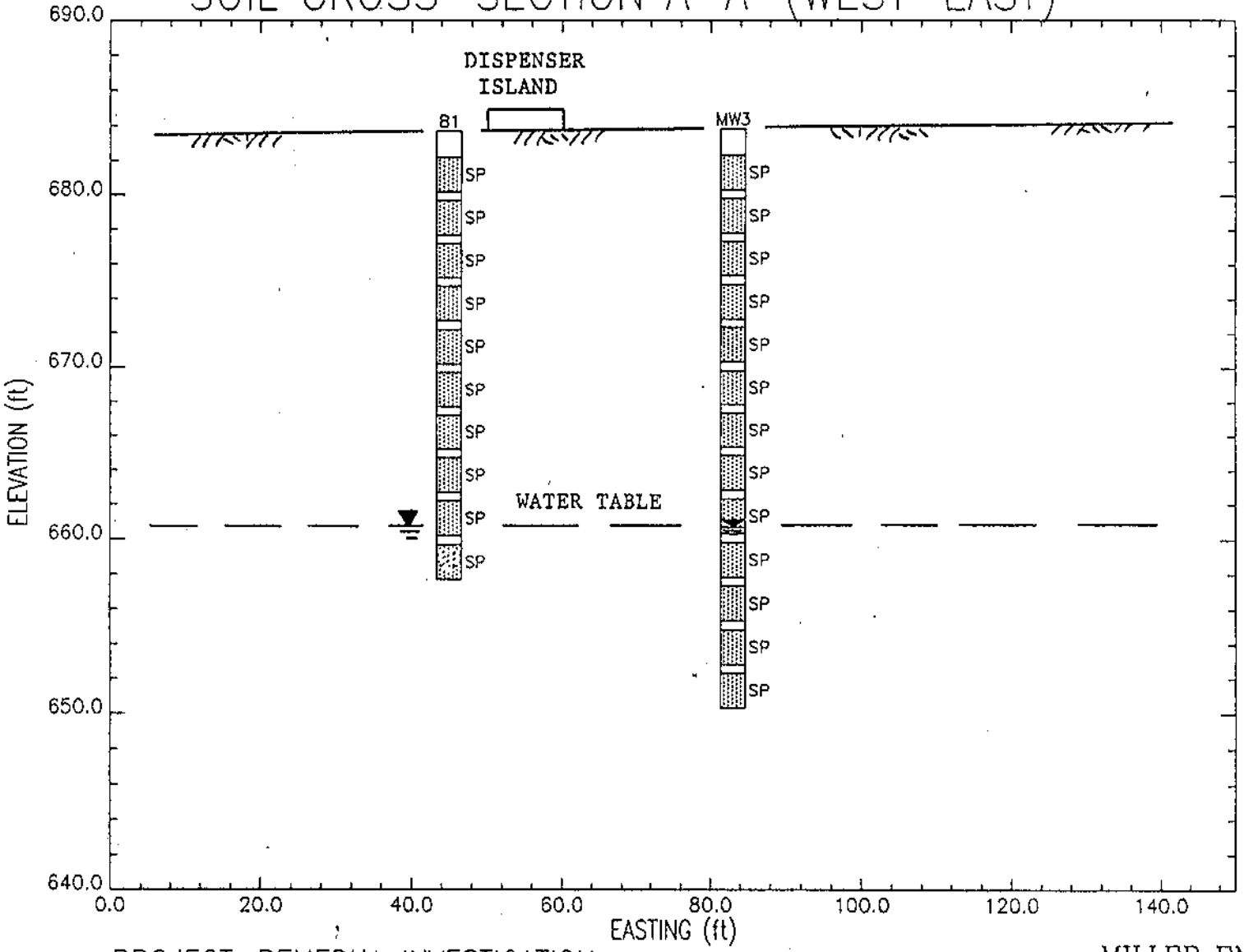
SCALE 1"=20'

CLIENT: DUKE'S SERVICE STATION JOB : REMEDIAL INVESTIGATION LOCATION: 905 MAIN STREET CRIVITZ, WISCONSIN	Date 3-12-91	By HVM	
	Job No. 10752E1	Ck KKG	

MILLER
ENGINEERS

FIGURE 3 - BORING / MONITORING WELL LOCATION PLAN

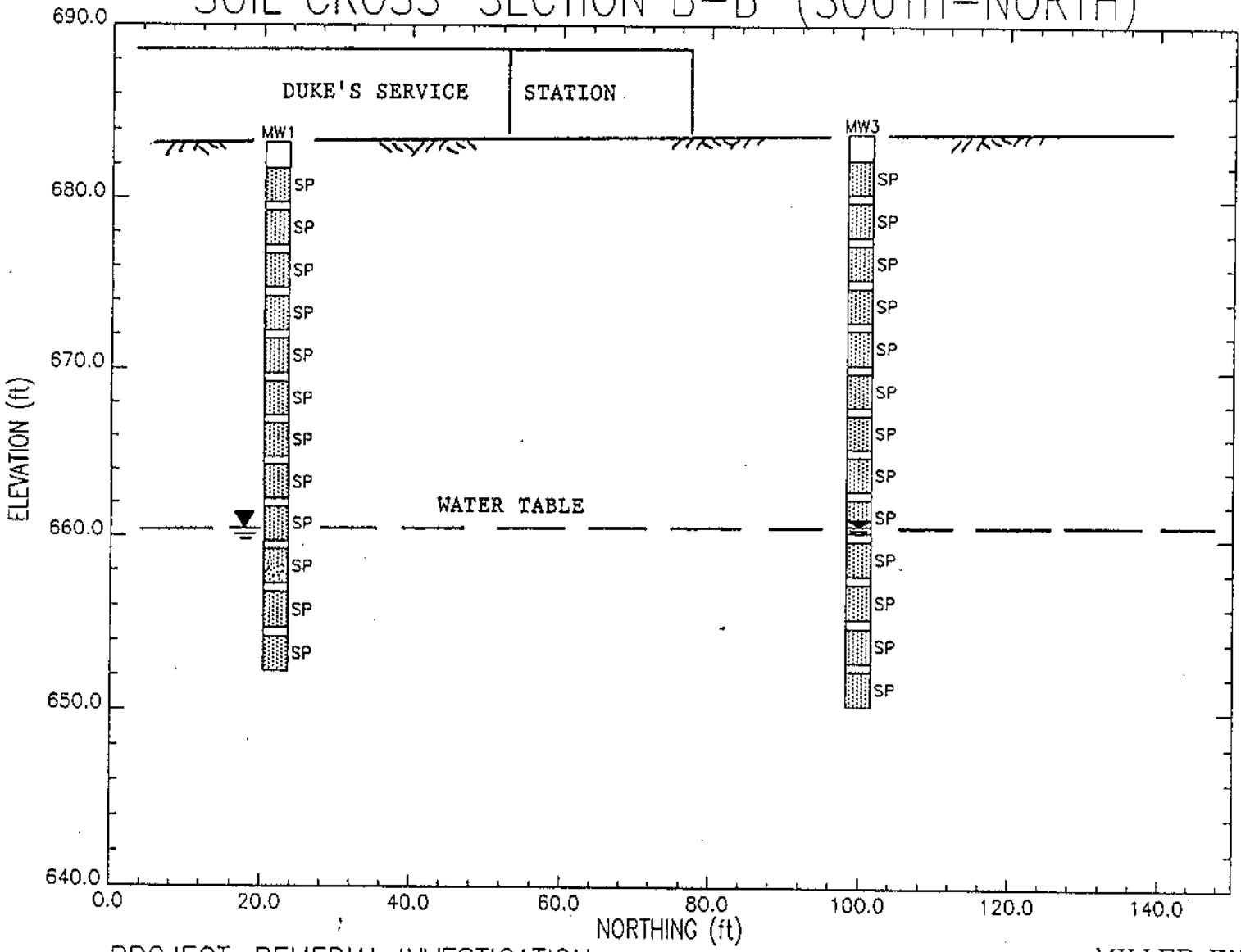
SOIL CROSS-SECTION A-A' (WEST-EAST)



PROJECT: REMEDIAL INVESTIGATION
CLIENT: DUKE'S SERVICE STATION

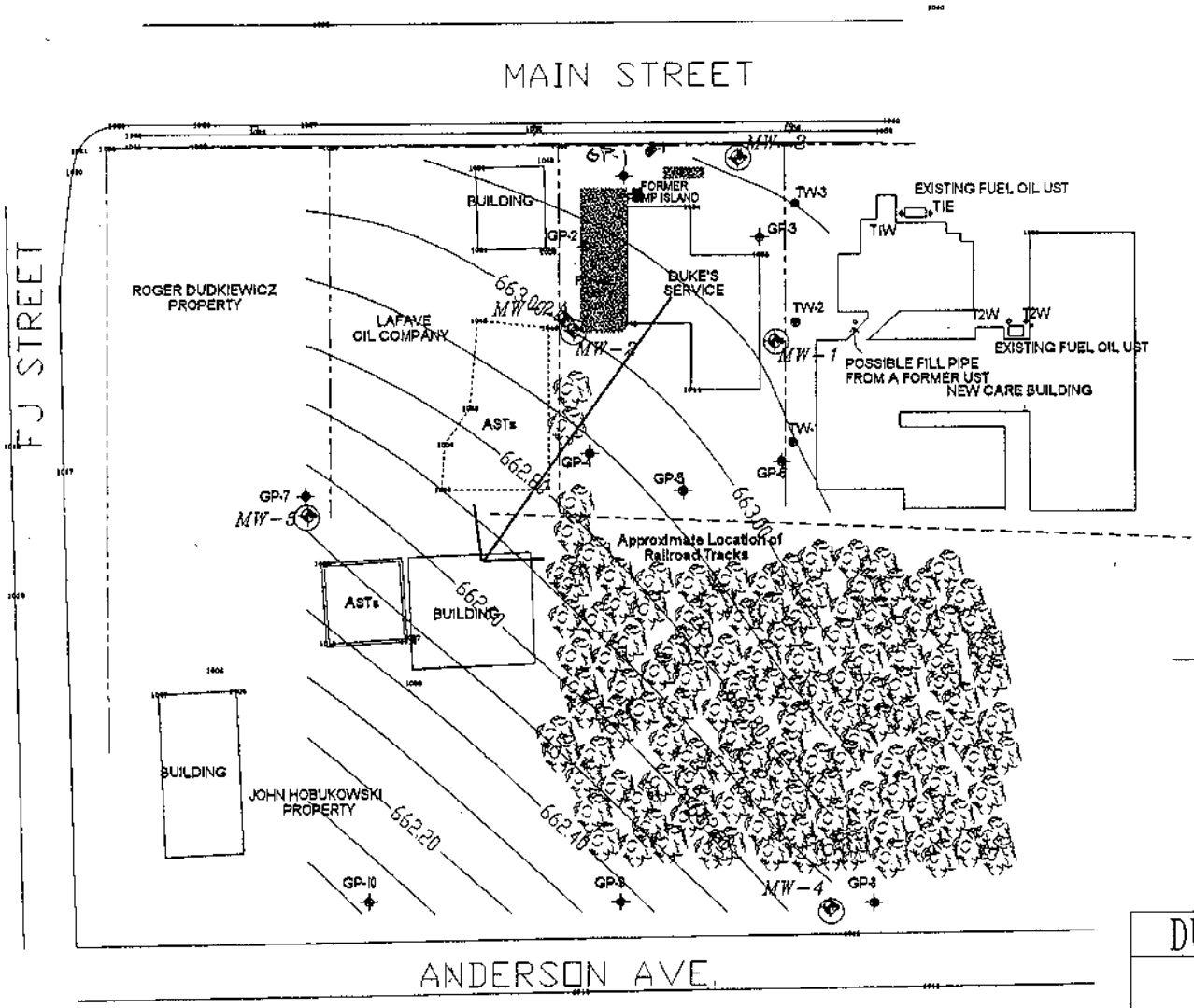
MILLER ENGINEERS
Sheboygan, Wisconsin

SOIL CROSS-SECTION B-B' (SOUTH-NORTH)



PROJECT: REMEDIAL INVESTIGATION
CLIENT: DUKE'S SERVICE STATION

MILLER ENGINEERS
Sheboygan, Wisconsin



N

GRAPHIC SCALE

0 20 40 60 80 120 160

LEGEND

- MW-1 MONITORING WELL
- APPROXIMATE PROPERTY LINE
- IRON PIPE
- POWER POLE
- GP-1 GEOPROBE LOCATION
- TREE/BUSH

CONTOUR INTERVAL = 0.10

DUKE'S SERVICE - CRIVITZ, WI

FIGURE 4
WATER TABLE MAP (06/24/97)

SCALE: see scale bar	*DATE:* 1-27-96	
Prepared For: ENVIRONMENTAL COMPLIANCE CONSULTANTS		JMR
Prepared By: TECHNICAL ENGINEERING SUPPORT SERVICES		DJC

TABLE 1
WATER ANALYTICAL RESULTS MONITORING WELL - MW-1

PARAMETERS	Dec-90	Oct-91	Jan-92	Apr-92	Jul-92	May-95	Aug-95	Feb-96	May-96	Feb-97	Jun-97
Benzene	*1.2*	nd	13	nd	nd	nd	nd	nd	nd	nd	nd
n-Butylbenzene	nd	1100	230	nd	217	57	46	40	na	na	na
Tert-Butylbenzene	81	nd	nd	16	nd	nd	nd	nd	na	na	na
Sec-Butylbenzene	4.7	nd	nd	nd	10	nd	nd	nd	na	na	na
1,2-Dichlorethane	nd	nd	nd	nd	nd	nd	nd	nd	na	na	na
Ethylbenzene	86	*380*	*190*	nd	120	*450*	*410*	*360*	110	*150*	110
p-Isopropylbenzene	18	nd	26	nd	12	40	38	nd	na	na	na
Isopropylbenzene	nd	nd	nd	nd	nd	38	37	36	na	na	na
MTBE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
Naphthalene	0.2	320	130	4.5	44	380	300	400	130	120	82
n-Propylbenzene	nd	nd	54	4.9	26	50	48	71	na	na	na
1,3,5-TMB	121	710	440	16	613	2100	570	680	760	280	220
1,2,4-TMB	64	2300	1100	14	378	680	1700	2100	290	110	670
Toluene	106	960	590	nd	nd	90	76	40	10	4.5	1.8
m & p- Xylene	*170*	2500	1200	2.61	1420	4800	4000	4300	1200	1700	1200
o-Xylene	*126*	1600	650	9.3	225	610	590	540	180	190	130
Total BETX	489.2	5440	2643	11.91	1765	5950	5076	5240	1500	2044.5	1441.8

nd= Compound not detected All Results in ppb Bold type indicates ES exceedence na = compound not analyzed
Italic type indicates PAL exceedence

TABLE 2
WATER ANALYTICAL RESULTS MONITORING WELL - MW-2

PARAMETERS	Dec-90	Oct-91	Jan-92	Apr-92	Jul-92	May-95	Aug-95	Feb 96	May-96	Feb-97	Jun-97
Benzene	nd	1100	24	nd	269	nd	14	2.8	nd	nd	nd
n-Butylbenzene	nd	190	3	nd	56	nd	nd	nd	na	na	na
Tert-Butylbenzene	nd	nd	nd	nd	nd	nd	nd	nd	na	na	na
Sec-Butylbenzene	nd	nd	nd	nd	nd	nd	nd	nd	na	na	na
1,2-Dichlorethane	nd	nd	nd	nd	nd	nd	nd	nd	na	na	na
Ethylbenzene	nd	*280*	4	nd	*178*	nd	65	26	nd	9	nd
p-Isopropylbenzene	nd	nd	nd	nd	9.7	1.2	nd	nd	na	na	na
Isopropylbenzene	nd	nd	nd	nd	nd	nd	nd	1.3	na	na	na
MTBE	nd	nd	nd	nd	*18*	nd	nd	nd	nd	nd	nd
Naphthalene	nd	120	4	nd	*27*	nd	*9.4*	*14*	nd	5.5	nd
n-Propylbenzene	nd	nd	nd	nd	17	nd	nd	3.2	na	na	na
1,3,5-TMB	nd	120	5	nd	229	2	16	13	nd	6.1	nd
1,2,4-TMB	nd	410	13	nd	55	nd	50	45	nd	21	0.54
Toluene	nd	2200	36	nd	2030	5.6	*310*	*110*	nd	4.3	0.31
m & p- Xylene	nd	760	19	nd	1090	6.3	*310*	*130*	nd	45	0.69
o-Xylene	nd	610	15	2.3	543	2.2	*150*	*39*	nd	7.9	0.3
Total BETX	0	4950	98	2.3	4110	14.1	849	307.8	0	66.2	1.3

nd= Compound not detected All Results in ppb Bold type indicates ES exceedence na = compound not analyzed

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TABLE 3
WATER ANALYTICAL RESULTS MONITORING WELL - MW-2A

PARAMETERS	Dec-90	Oct-91	Jan-92	Apr-92	Jul-92	May-95	Aug-95	Feb-96	May-96	Feb-97	Jun-97
Benzene	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
n-Butylbenzene	nd	nd	nd	nd	nd	nd	nd	nd	na	na	na
Tert-Butylbenzene	nd	nd	nd	nd	nd	nd	nd	nd	na	na	na
Sec-Butylbenzene	nd	nd	nd	nd	nd	nd	nd	nd	na	na	na
1,2-Dichlorethane	nd	nd	nd	nd	nd	nd	nd	nd	na	na	na
Ethylbenzene	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
p-Isopropylbenzene	nd	nd	nd	nd	nd	nd	nd	nd	na	na	na
Isopropylbenzene	nd	nd	nd	nd	nd	nd	nd	nd	na	na	na
MTBE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
Naphthalene	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
n-Propylbenzene	nd	nd	nd	nd	nd	nd	nd	nd	na	na	na
1,3,5-TMB	nd	nd	2.8	nd	nd	nd	nd	nd	nd	nd	nd
1,2,4-TMB	nd	nd	3.6	nd	nd	nd	nd	nd	nd	nd	nd
Toluene	nd	nd	2.8	nd	nd	nd	nd	nd	nd	nd	nd
m & p- Xylene	nd	nd	3.8	nd	nd	nd	nd	nd	nd	nd	nd
o-Xylene	nd	nd	2	nd	nd	nd	nd	nd	nd	nd	nd
Total BETX	0	0	4.8	0	0	0	0	0	0	0	0

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TABLE 4
WATER ANALYTICAL RESULTS MONITORING WELL - MW-3

PARAMETERS	Dec-90	Oct-91	Jan-92	Apr-92	Jul-92	May-95	Aug-95	Feb-96	May-96	Feb-97	Jun-97
Benzene	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
n-Butylbenzene	nd	nd	nd	nd	nd	nd	nd	1.1	na	na	na
Tert-Butylbenzene	nd	nd	nd	nd	nd	nd	nd	nd	na	na	na
Sec-Butylbenzene	nd	nd	nd	nd	nd	nd	nd	nd	na	na	na
1,2-Dichlorethane	nd	nd	nd	nd	nd	nd	nd	nd	na	na	na
Ethylbenzene	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
p-Isopropylbenzene	nd	nd	nd	nd	nd	nd	nd	nd	na	na	na
Isopropylbenzene	nd	nd	nd	nd	nd	nd	nd	nd	na	na	na
MTBE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
Naphthalene	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
n-Propylbenzene	nd	nd	nd	nd	nd	nd	nd	nd	na	na	na
1,3,5-TMB	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,2,4-TMB	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
Toluene	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
m & p- Xylene	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
o-Xylene	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
Total BETX	0	0	0	0	0	0	0	0	0	0	0

nd= Compound not detected All Results in ppb Bold type indicates ES exceedence na = compound not analyzed

TABLE 5
WATER ANALYTICAL RESULTS MONITORING WELL - MW-4

PARAMETERS	Feb-96	May-96	Feb-97	Jun-97
Benzene	nd	nd	nd	nd
n-Butylbenzene	nd	na	na	na
Tert-Butylbenzene	nd	na	na	na
Sec-Butylbenzene	nd	na	na	na
1,2-Dichlorethane	nd	na	na	na
Ethylbenzene	nd	nd	nd	nd
p-Isopropylbenzene	nd	na	na	na
Isopropylbenzene	nd	na	na	na
MTBE	nd	nd	nd	nd
Naphthalene	nd	nd	nd	nd
n-Propylbenzene	nd	na	na	na
1,3,5-TMB	nd	nd	nd	nd
1,2,4-TMB	nd	nd	nd	nd
Toluene	nd	1.4	nd	nd
m & p- Xylene	nd	1.3	nd	nd
o-Xylene	nd	nd	nd	nd
Total BETX	0	2.7	0	0

d= Compound not detected All Results in ppb Bold type indicates ES exceedence na = compound not analyze

TABLE 6
WATER ANALYTICAL RESULTS MONITORING WELL - MW-5

PARAMETERS	Feb-96	May-96	Feb-97	Jun-97
Benzene	nd	nd	nd	nd
n-Butylbenzene	nd	na	na	na
Tert-Butylbenzene	nd	na	na	na
Sec-Butylbenzene	nd	na	na	na
1,2-Dichlorethane	nd	na	na	na
Ethylbenzene	nd	nd	nd	0.37
p-Isopropylbenzene	nd	na	na	na
Isopropylbenzene	nd	na	na	na
MTBE	nd	nd	7.5	nd
Naphthalene	nd	nd	4.6	0.79
n-Propylbenzene	nd	na	na	na
1,3,5-TMB	nd	nd	4.7	1.6
1,2,4-TMB	nd	nd	17	0.7
Toluene	nd	nd	3.7	nd
m & p- Xylene	nd	nd	39	0.53
o-Xylene	nd	nd	6.6	nd
Total BETX	0	0	49.3	3.99

d= Compound not detected All Results in ppb Bold type indicates ES exceedence na = compound not analyze