

## **GIS Registry Disclaimer**

This case was closed by the DNR prior to August 1, 2002, when DNR began adding approved cleanups with residual soil contamination into the GIS Registry. Certain documents that are currently required by ch. NR 726, Wis. Adm. Code may therefore not be included in this packet as they were unavailable at the time the original case was closed.

The information contained in this document was assembled by DNR from a previously closed case file, and added to the GIS Registry to provide the public with information on closed sites with residual soil and/or groundwater contamination remaining above applicable state standards.

**GIS REGISTRY**  
**Cover Sheet**

July, 2008  
(RR 5367)

**Source Property Information**

**BRRTS #:**

**ACTIVITY NAME:**

**PROPERTY ADDRESS:**

**MUNICIPALITY:**

**PARCEL ID #:**

**CLOSURE DATE:**

**FID #:**

**DATCP #:**

**COMM #:**

**\*WTM COORDINATES:**

**X:**  **Y:**

*\* 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:**

Groundwater Contamination > ES (236)

Contamination in ROW

Off-Source Contamination

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

Soil Contamination > \*RCL or \*\*SSRCL (232)

Contamination in ROW

Off-Source Contamination

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

**Land Use Controls:**

Soil: maintain industrial zoning (220)

*(note: soil contamination concentrations  
between residential 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 or economic  
development corporation)*

**Monitoring wells properly abandoned? (234)**

Yes  No  N/A

*\* Residual Contaminant Level*

*\*\*Site Specific Residual Contaminant Level*

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 #:  PARCEL ID #:

ACTIVITY NAME:  WTM COORDINATES: X:  Y:

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

- Closure Letter**
- Maintenance Plan** (if activity is closed with a land use limitation or condition (land use control) under s. 292.12, Wis. Stats.)
- Conditional Closure Letter**
- Certificate of Completion (COC)** for VPLE sites

**SOURCE LEGAL DOCUMENTS**

- 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 8.5 x 14 inches unless the map is submitted electronically.

- 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 #:**                      **Title: Site Location Map**
- 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: Site Layout**
- 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 #: 2                      Title: Site Layout and Estimated Extent of Unsaturated Impacts**

BRRTS #: 03-54-000301

ACTIVITY NAME: Borgerding Property

**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 #:**                      **Title:**

**Figure #:**                      **Title:**

**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 #: 3**                      **Title: Approximate Extent of Petroleum Impacts**

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

**Figure #: 2`**                      **Title: Groundwater Elevation Contours**

**Figure #:**                      **Title:**

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

Tables must be no larger than 8.5 x 14 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 #: 8**                      **Title: Excavation Sample Analytical Summary**

**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 #: 3**                      **Title: Groundwater 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 #: 03-54-000301

ACTIVITY NAME: Borgerding Property

## NOTIFICATIONS

### Source Property

- 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.

- 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

Scott McCallum, Governor  
Darrell Bazzell, Secretary  
Ruthe E. Badger, Regional Director

Janesville Service Center  
2514 Morse Street  
Janesville, Wisconsin 53545  
Telephone 608-743-4800  
FAX 608-743-4801  
TTY 608-743-4808

September 20, 2002

Michael Flesch  
City of Beloit  
100 State Street  
Beloit, WI 53511

Subject: Final Case Closure  
Former Borgerding Property, Riverside Park Big Lawn Project  
435 Woodward Ave, NW Corner, Riverside Drive & Portland Avenue,  
Beloit, WI  
DNR BRRTS # 03-54-000301

Dear Mr. Flesch:

On April 10, 2000, your site as described above was reviewed for closure by the South Central Region Closure Committee. The committee reviews environmental remediation cases for compliance with state laws and standards to maintain consistency in the closure of these cases. On May 2, 2000, you were notified that the Closure Committee had granted conditional closure to this case.

On September 11, 2000, June 12, 2002, and September 16, 2002 the Department received correspondence indicating that you have complied with the conditions of closure. The conditions of closure were proper abandonment of monitoring wells, and recording of a groundwater use restriction and a deed restriction on the subject property deed. The deed restriction required the installation of a surface barrier of two feet of clean soil or an asphalt or other impervious cap over the soil remaining at the site. On September 17, 2002, I conducted a site visit to confirm the completion of the surface barrier requirement.

Based on the correspondence and data provided, it appears that your site has been remediated to Department standards in accordance with s. NR 726.05, Wis. Adm. Code. The Department considers this case closed and no further investigation, remediation or other action is required at this time.

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 registry. To review the sites on the GIS Registry web page, visit <http://gomapout.dnr.state.wi.us/org/at/et/geo/gwur/index.htm>

Please be aware that this case may be reopened pursuant to s. NR 726.09, Wis. Adm. Code, if additional information regarding site conditions indicates that contamination on or from the site poses a threat to public health, safety or welfare, or the environment.

Michael Flesch  
WDNR BRRTS # 03-54-000301  
September 20, 2002  
Page 2

The Department appreciates your efforts to restore the environment at this site. If you have any questions regarding this letter, please contact me at (608) 743-4841.

Sincerely,

Denise Nettlesheim  
Hydrogeologist  
Bureau for Remediation & Redevelopment

cc: Stefanie Brouwer, Land Acquisition and Recreation Grants Specialist, DNR, Fitchburg



State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

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

Janesville Service Center  
2514 Morse Street  
Janesville, Wisconsin 53545  
Telephone 608-743-4841  
FAX 608-743-4801

May 2, 2000

File Ref: BRRTS #03-54-000301

Estate of Ursula Borgerding  
Ms. Frances Sheehy, Rep.  
10711 N. De Le Warr Circle, 14W  
Mequon WI 53092

Subject: Conditional Case Closure: Ursula Borgerding Estate Property, Woodward Ave., Beloit

Dear Ms. Sheehy:

On April 10, 2000 your request for closure of the case described above was reviewed by the South Central Region Closure Committee. This committee reviews environmental remediation cases for compliance with state rules and statutes to maintain consistency in the closure of these cases. After careful review of the closure request, the Closure Committee has determined that the petroleum contamination on the site from the former underground storage tank system appears to have been investigated and actively remediated to the extent practicable under site conditions. Your case will be closed under s. NR 726.05, Wis. Adm. Code, if the following conditions are satisfied:

1. MONITORING WELL ABANDONMENT The monitoring and soil vapor extraction system wells, air sparging wells and any other remediation system wells at the site must be properly abandoned in compliance with ch. NR 141, Wis. Adm. Code, unless long term groundwater monitoring is going to be conducted. If monitoring wells will not be immediately abandoned because future groundwater monitoring is planned, you will need to notify me of your monitoring plans in order to qualify for case closure. Documentation of well abandonment must be submitted to me at the address above, on Department of Natural Resources forms.
2. GROUNDWATER USE RESTRICTION Section NR 726.05(2)(b), Wis. Adm. Code, provides that if groundwater contamination still exceeds NR 140 enforcement standards when a closure request is submitted, a case may only be closed if a groundwater use restriction is recorded for each property where enforcement standards are exceeded (including street or highway rights-of-way). Therefore, recording the required groundwater use restriction is an option that the Department can offer to you in order to close this case. If you choose not to accept this option, you may be required to conduct additional groundwater monitoring and may choose to perform additional investigation and cleanup of the remaining contamination in order to qualify for unconditional closure. However, you should note that additional investigation or cleanup work may not be eligible for reimbursement from the Petroleum Environmental Cleanup Fund Award (PECFA) Program. You should contact the Department of Commerce to determine if the additional work will be eligible for reimbursement.

If you choose to pursue closure with a groundwater use restriction, you will need to submit a draft groundwater use restriction to me before the document is signed and recorded. I have enclosed a model groundwater use restriction for your use. To assist us in the review of your draft groundwater use restriction document, you should submit a copy of the property deed or deeds to me along with the draft document. Once DNR has checked your draft document for completeness, you should sign it



if you own the property, or have the appropriate property owner sign it , and have it recorded at the Rock County Register of Deeds Office, and then submit a copy of the recorded document, with the recording information stamped on it, to me. Please be aware that if a groundwater use restriction is recorded for the wrong property because of an inaccurate legal description that you have provided, you will be responsible for recording corrected documents at the Register of Deeds Office to correct the problem.

If there is residual groundwater or soil contamination in a public street or highway right-of-way, you should contact the municipality or state agency that maintains the street or highway to make sure that they are aware of the residual contamination, and negotiate an agreement with the municipality or state agency regarding the proper handling and disposal of any contaminated groundwater that may be extracted, and any contaminated soil that may be excavated, if the street or highway is reconstructed in the future.

3. DEED RESTRICTION FOR CONTAMINATED SOIL The closure committee has required that a deed restriction be signed and recorded to address the issue of the remaining soil contamination associated with the site. The purpose of the restriction is to maintain a surface barrier over the remaining soil contamination to prevent it from impacting human health and the environment. The surface barrier must be 2 feet of clean soil or an asphalt or other impervious cap.

You will need to submit a draft deed restriction to me before the document is signed and recorded. To assist us in our review of the deed restriction, you should submit a copy of the property deed to me along with the draft document. After the DNR has reviewed the draft document for completeness, you should sign it if you own the property, or have the appropriate property owner sign it, and have it recorded by the Rock County Register of Deeds, and then submit a copy of the recorded document, with the recording information stamped on it, to me. Please be aware that if a deed restriction is recorded for the wrong property because of an inaccurate legal description that you have provided, you will be responsible for recording corrected documents at the Register of Deeds Office to correct the problem.

When the above conditions have been satisfied your case will be closed.

Please be aware that the case may be reopened pursuant to s. NR 726.09, Wis. Adm. Code, if additional information regarding site conditions indicates that contamination on or from the site poses a threat to public health, safety, or welfare or to the environment.

We appreciate your efforts to restore the environment at this site. If you have any questions regarding this letter, please contact me at the address or telephone number above.

Sincerely,



Gordon R. Kline  
Hydrogeologist  
Bureau for Remediation and Redevelopment

Cc: Julie Zimdars, Natural Resource Technology, Inc.

1501244

GROUNDWATER RESTRICTION

Document Number

Document Title

Description of Land Subject to Restrictions

A parcel of land 200 feet in equal width off the South side of a parcel of land hereinafter described, extending from the easterly boundary line of said land westerly along Eclipse Avenue (now Woodward Avenue) to a point 20 feet Easterly of the so-called Limit Line established by the U. S. War Department on October 15, 1931; said parcel of land being described as follows:

All that part of Government Lot 5 in the Fractional N.E. 1/4 of Section 35 in T.1N., R.12E. of the 4th P.M., City of Beloit, Rock County, Wisconsin, bounded as follows: On the South by Eclipse Avenue (now Woodward Avenue); on the East by the joint right of way line of the Chicago, Milwaukee and St. Paul Railway Company and Chicago and Northwestern Railway Company, now vacated; on the North by the Southerly boundary line of the lands acquired by the City of Beloit from Fairbanks Morse & Co. and now used for purposes of a public park; and on the West by Rock River. Together with a right of way 20 feet in equal width, for purposes of ingress and egress only (without obstruction by vehicle parking) over that portion of said parcel of land which lies between the Westerly boundary of said parcel described above, and said limit line.

Recording Area

Name and Return Address

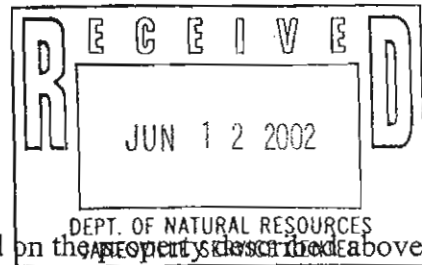
Richard V. Holm, City Attorney  
100 State Street  
Beloit, WI 53511

18.00  
173

1351-1210  
Parcel Identification Number (PIN)

Declaration of Restrictions

State of Wisconsin )  
County of Rock ) ss.



Whereas, one or more hazardous substances have been discharged on the property described above; and

Whereas, the Ursula Borgerding Estate has undertaken steps to remediate the property described above and has removed contaminated soil from the same; and

Whereas, the Wisconsin Department of Natural Resources issued a letter dated May 2, 2000 setting forth certain terms and conditions for closure of the remediation at the site (copy attached); and

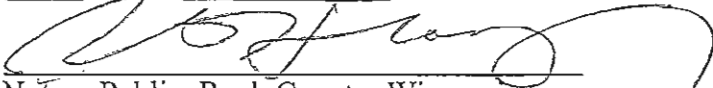
Whereas, the City of Beloit has agreed to purchase the property from the Ursula Borgerding Estate.

<sup>1</sup> The hazardous substances discharged on the property are Benzene, Benzo(b)fluoranthene, Benzo(a)pyrene, Chrysene, and Naphthalene contaminated groundwater above ch. NR 140, Wis. Adm. Code, enforcement standards exists on this property at the following locations as shown on Exhibit A, attached, and made part of this restriction: groundwater monitoring well MW-12, with a Benzo(b)fluoranthene concentration of 0.81 µg/L which is in exceedance of the NR 140 ES of 0.2 µg/L, a Benzo(a)pyrene concentration of 2.7 µg/L which is in exceedance of the NR 140 ES of 0.2 µg/L, and a Chrysene concentration of 1.6 µg/L which is in exceedance of the NR 140 ES of 0.2 µg/L (all 1999 concentrations); groundwater monitoring well MW-12D, with a Benzene concentration of 140 µg/L which is in exceedance of the NR 140 ES of 5 µg/L (1999 concentration); and abandoned groundwater monitoring well MW-11D, with a Benzene concentration of 430 µg/L which is in exceedance of the NR140 ES of 5 µg/L, and a Naphthalene concentration of 230 µg/L which is in exceedance of the NR 140 ES of 40 µg/L (all 1993 concentrations).

ESTATE OF URSULA BORGERDING:

By: Frances Sheehy, Per. Rep.  
Frances Sheehy, Personal Representative

Subscribed and sworn to before me this  
11 day of June, 2001.



Notary Public, Rock County, Wisconsin.

My Commission is permanent.

Robert H. Consigny

This document was drafted by

Richard V. Holm, City Attorney  
Beloit, Wisconsin

NOW THEREFORE, the City of Beloit and the Ursula Borgerding Estate agree as follows:

1. It is the desire and intention of the City and the Ursula Borgerding Estate 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.
2. 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.
3. 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.
4. The City and the Ursula Borgerding Estate hereby declare 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:

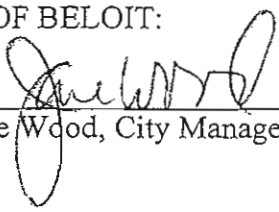
Anyone who proposed to construct or reconstruct a well on this property is required to contact the Department of Natural Resources' Bureau of Drinking Water and Groundwater, or its successor agency, to determine what specific requirements are applicable, prior to constructing or reconstructing a well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

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

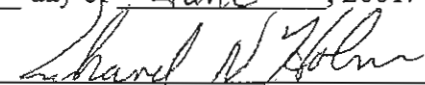
Any person who is or becomes owner of the property described above may request the Wisconsin Department of Natural Resources or its successor to issue a determination that the restrictions set forth in this covenant are no longer required. Upon receipt of such a request, the Wisconsin Department of Natural Resources shall determine whether 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.

By signing this document, Jane Wood, City Manager for the City of Beloit, asserts that she is duly authorized to sign this document on behalf of the City of Beloit. By signing this document, Frances Sheehy, Personal Representative of the Estate of Ursula Borgerding, hereby asserts that she is duly authorized to sign this document on behalf of the Ursula Borgerding Estate.

CITY OF BELOIT:

By:   
Jane Wood, City Manager

Subscribed and sworn to before me this  
27 day of June, 2001.

  
Notary Public, Rock County, Wisconsin.  
My Commission is permanent.

Document Number

DEED RESTRICTION FOR  
CONTAMINATED SOIL  
Document Title

1501245

Description of Land Subject to Restrictions

A parcel of land 200 feet in equal width off the South side of a parcel of land hereinafter described, extending from the easterly boundary line of said land westerly along Eclipse Avenue (now Woodward Avenue) to a point 20 feet Easterly of the so-called Limit Line established by the U. S. War Department on October 15, 1931; said parcel of land being described as follows:

All that part of Government Lot 5 in the Fractional N.E. ¼ of Section 35 in T.1N., R.12E. of the 4<sup>th</sup> P.M., City of Beloit, Rock County, Wisconsin, bounded as follows: On the South by Eclipse Avenue (now Woodward Avenue); on the East by the joint right of way line of the Chicago, Milwaukee and St. Paul Railway Company and Chicago and Northwestern Railway Company, now vacated; on the North by the Southerly boundary line of the lands acquired by the City of Beloit from Fairbanks Morse & Co. and now used for purposes of a public park; and on the West by Rock River. Together with a right of way 20 feet in equal width, for purposes of ingress and egress only (without obstruction by vehicle parking) over that portion of said parcel of land which lies between the Westerly boundary of said parcel described above, and said limit line.

Declaration of Restrictions

State of Wisconsin )  
County of Rock ) ss.

Whereas, one or more hazardous substances have been discharged on the property described above; and  
Whereas, the Ursula Borgerding Estate has undertaken steps to remediate the property described above and has removed contaminated soil from the same; and  
Whereas, the Ursula Borgerding Estate has requested the Wisconsin Department of Natural Resources to issue a conditional case closure as a result of the environmental remediation and soil removal conducted at the site; and  
Whereas, the Wisconsin Department of Natural Resources issued a letter dated May 2, 2000 setting forth certain terms and conditions for closure of the remediation at the site (copy attached); and  
Whereas, the City of Beloit has agreed to purchase the property from the Ursula Borgerding Estate.  
NOW THEREFORE, the City of Beloit and the Ursula Borgerding Estate agree as follows:

1. The City agrees to undertake the responsibility for maintaining a surface barrier over the soil remaining at the property described above so as to prevent the site from impacting human health and the environment.

RECORDED

31 JUL 3 AM 11 25

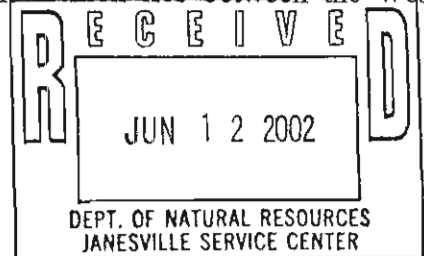
RANDAL LEYES  
REGISTER OF DEEDS  
ROCK CO. WI 53545

Recording Area

Name and Return Address

Richard V. Holm, City Attorney  
100 State Street  
Beloit, WI 53511

1351-1210  
Parcel Identification Number (PIN)



2. The City agrees to maintain a surface barrier of at least two feet of clean soil or in the alternative, asphalt or other impervious cap over the soil remaining at the site.

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

Any person who is or becomes owner of the property described above may request the Wisconsin Department of Natural Resources or its successor to 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 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.

By signing this document, Jane Wood, City Manager for the City of Beloit, asserts that she is duly authorized to sign this document on behalf of the City of Beloit. By signing this document, Frances Sheehy, Personal Representative of the Estate of Ursula Borgerding, hereby asserts that she is duly authorized to sign this document on behalf of the Ursula Borgerding Estate.

CITY OF BELOIT:

By: Jane Wood  
Jane Wood, City Manager

ESTATE OF URSULA BORGERDING:

By: Frances Sheehy Personal Representative  
Frances Sheehy, Personal Representative  
Representative by Robert W. Conroy atty for Estate of Ursula Borgerding

Subscribed and sworn to before me this  
27th day of June, 2001.

Richard V. Holm  
Notary Public, Rock County, Wisconsin.  
My Commission is permanent.

Subscribed and sworn to before me this  
29 day of June, 2001.

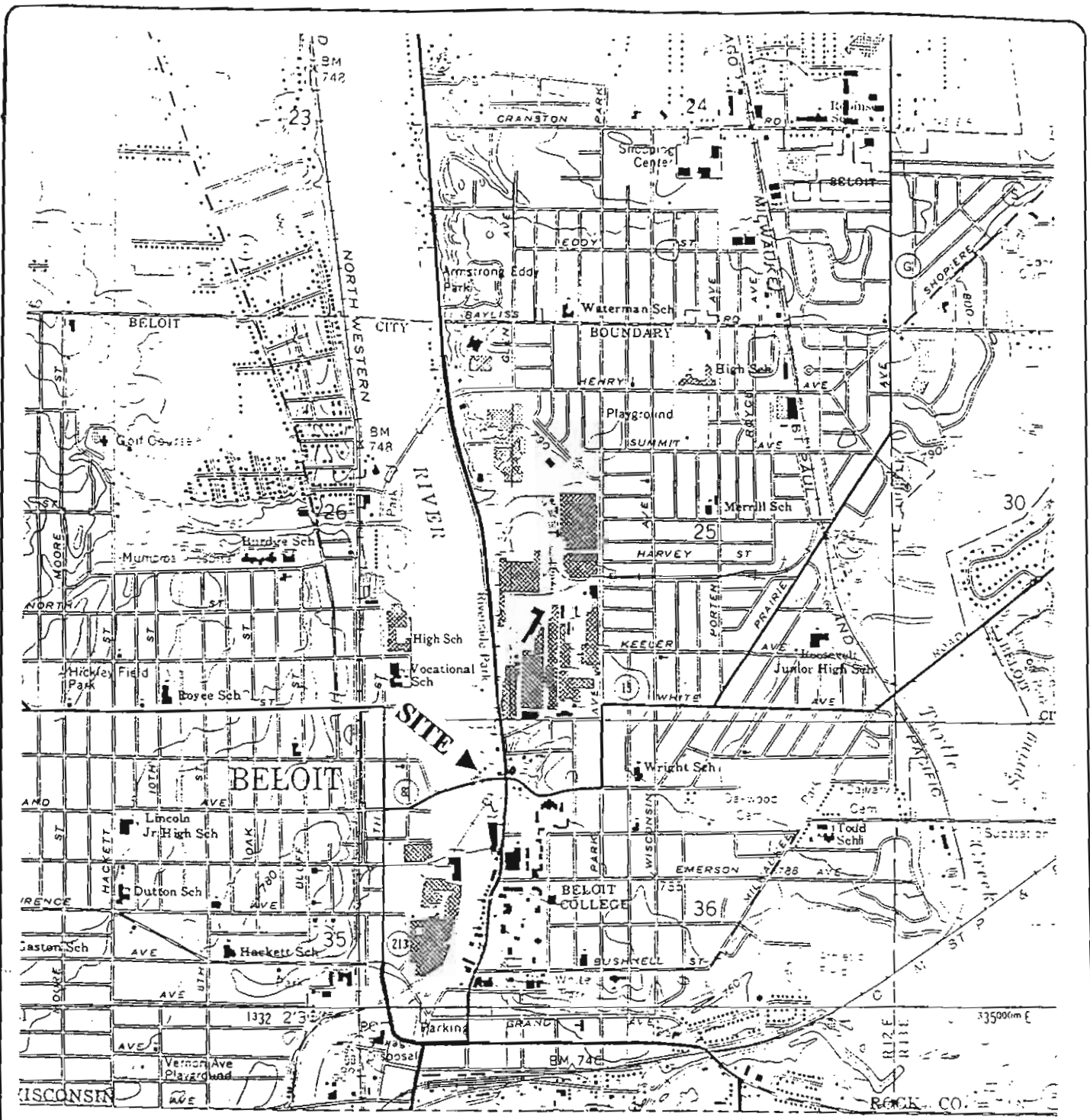
Catherine Duane  
Notary Public, Rock County, Wisconsin.  
My Commission is ~~permanent~~ expires  
10/10/04



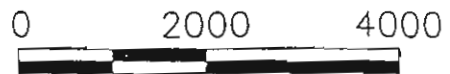
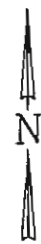
This document was drafted by

Richard V. Holm, City Attorney  
Beloit, Wisconsin

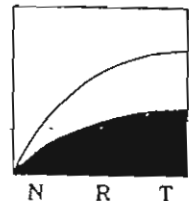
\\elborgerding deed restriction



SOURCE: USGS 7.5 MINUTE QUADRANGLE, BELOIT. DATED 1962. PHOTOREVISED 1971 AND 1976.



SCALE IN FEET  
CONTOUR INTERVAL 10 FEET

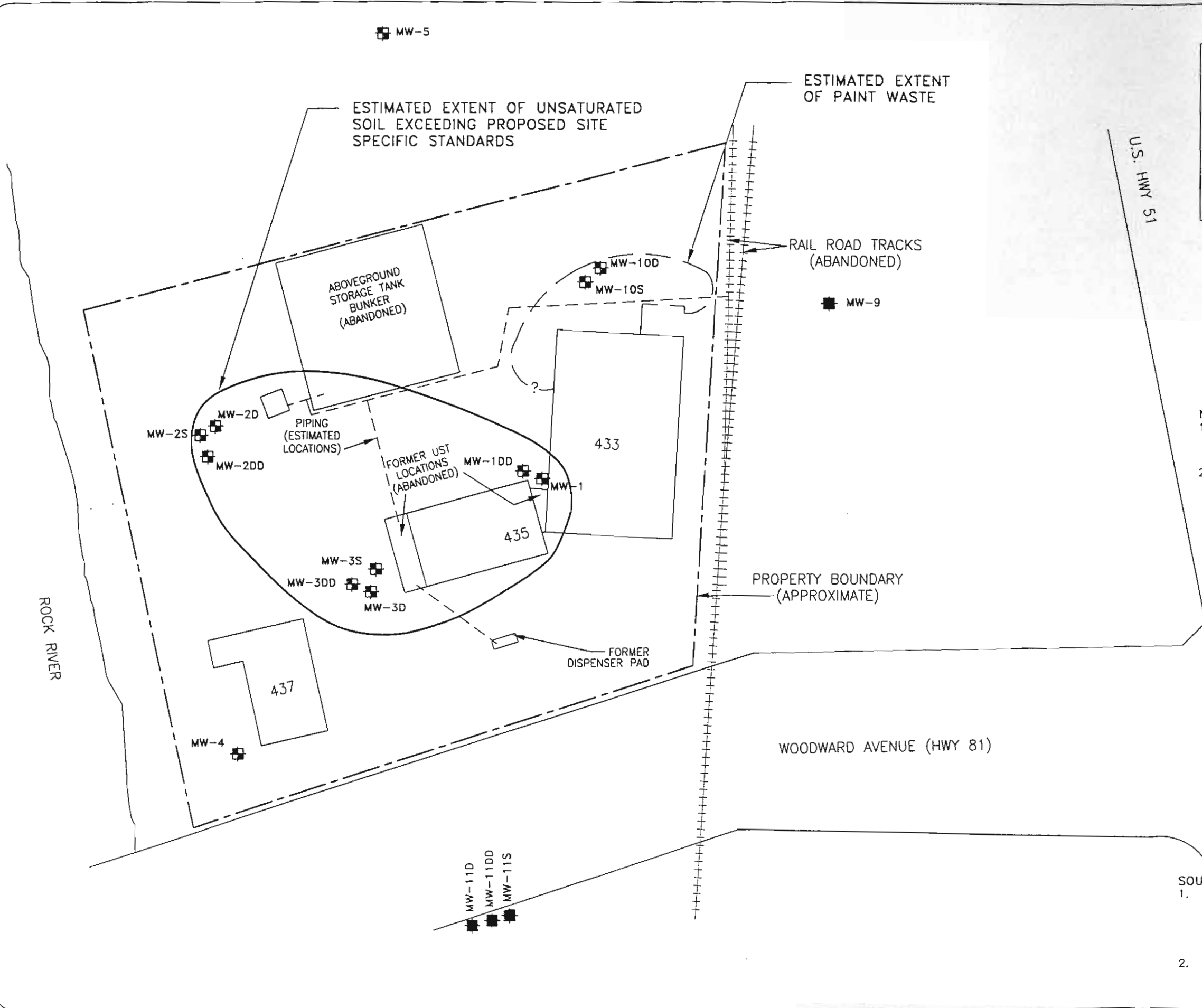


Natural  
Resource  
Technology

SITE LOCATION MAP  
URSULA BORGERDING ESTATE PROPERTY  
433-437 WOODWARD AVENUE  
BELOIT, WISCONSIN

PROJECT NO.  
1179  
DRAWING NO.  
1179-A01  
FIGURE NO.  
1

DRAWN BY: TAS      APPROVED BY: [Signature]      DATE: 1/25/97

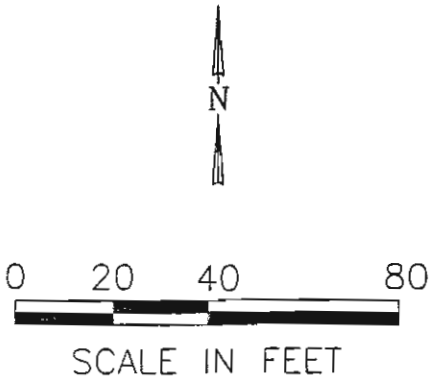


**LEGEND**

- MW-2S MONITORING WELL
- MW-9 ABANDONED MONITORING WELL

**NOTES:**

1. MONITORING WELLS INSTALLED BY DAMES AND MOORE (1990-1991) AND FOTH AND VAN DYKE (1993).
2. BUILDINGS WERE DEMOLISHED, AND CONCRETE SLAB FLOORS REMOVED BY THE CITY OF БЕЛОIT IN SUMMER 1997.

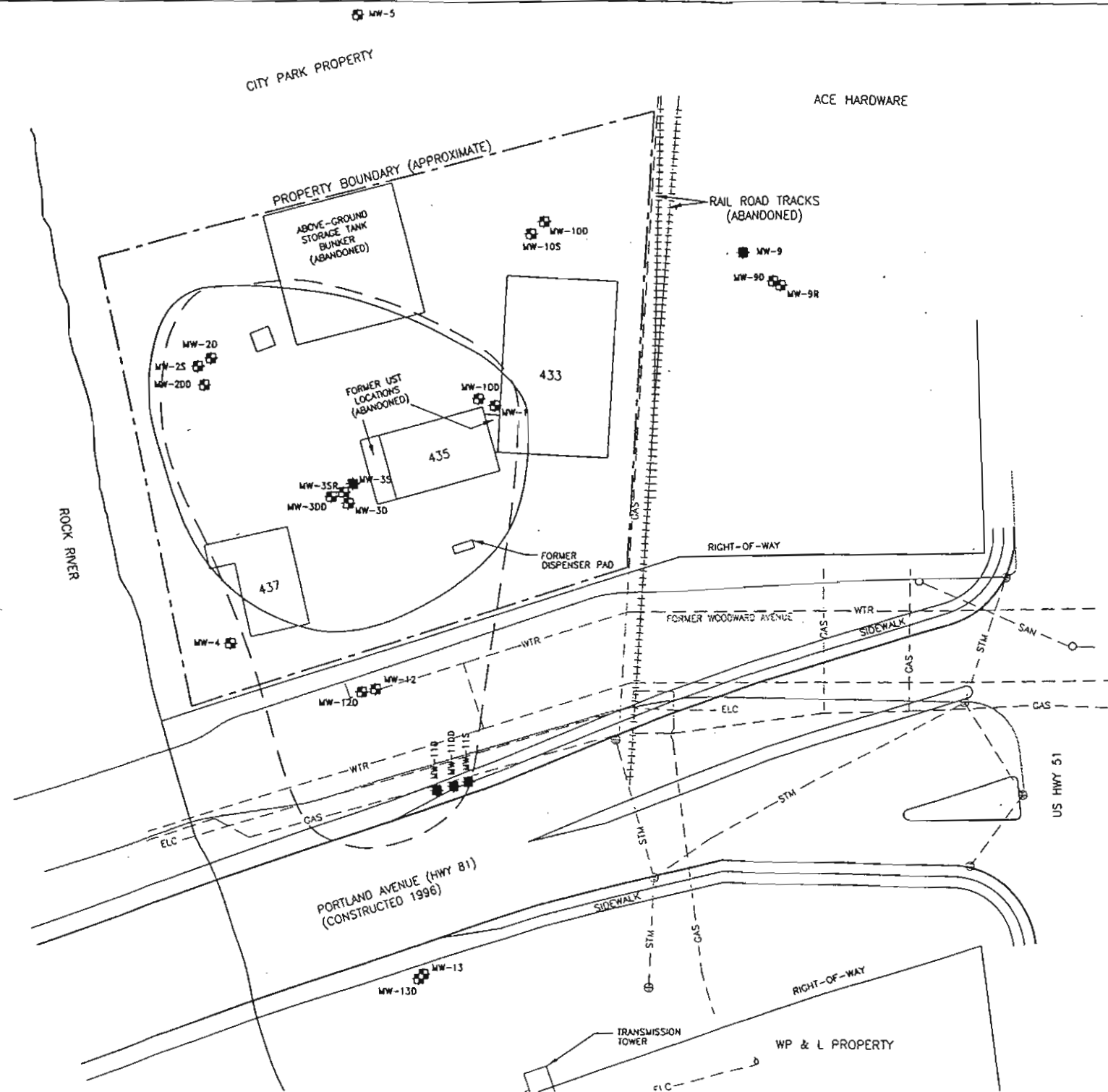


**SOURCE NOTES:**

1. ORIGINAL DRAWING ADAPTED BY DAMES AND MOORE FROM ORTHOGRAPHIC MAPPING OF БЕЛОIT, WISCONSIN BY AEROMETRIC ENGINEERING, INC., DATED APRIL 26, 1991.
2. SITE PLAN DEVELOPED FROM DRAWING DISK FILE PROVIDED BY MCLAREN HART (1996) ADAPTED FROM DAMES AND MOORE (1992).

DRAWN BY: TAS	DATE: 5/21/98
	CHECKED BY: JMG
	APPROVED BY: LJP
AUTOCAD FILE: 1179-802.DWG	
<b>SITE LAYOUT AND ESTIMATED EXTENT OF UNSATURATED IMPACTS</b> REMEDIAL DOCUMENTATION REPORT URSULA BORGERING ESTATE PROPERTY 433-437 WOODWARD AVENUE БЕЛОIT, WISCONSIN	
PROJECT NO.	1179/2.5
DRAWING NO.	1179-802
FIGURE NO.	2

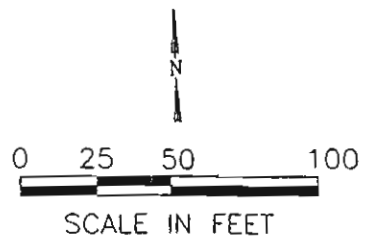




LEGEND	
	APPROXIMATE EXTENT OF PETROLEUM IMPACTS GREATER THAN NR 140 ENFORCEMENT STANDARD, SHALLOW WELLS
	APPROXIMATE EXTENT OF PETROLEUM IMPACTS GREATER THAN NR 140 ENFORCEMENT STANDARD, INTERMEDIATE PIEZOMETERS
	MW-25 MONITORING WELL
	MW-9 ABANDONED MONITORING WELL
	ELC ELECTRIC LINE
	GAS GAS LINE
	SAN SANITARY SEWER LINE
	STM STORM SEWER LINE
	WTR WATER LINE
	CATCH BASIN
	MANHOLE
	POWER POLE

NOTES:

1. MONITORING WELLS MW-1, MW-25, MW-20, MW-35, MW-30, MW-4, MW-5, MW-9, MW-105, AND MW-100 INSTALLED BY DAMES AND MOORE (1990-1991) AND MW-10D, MW-20D, MW-30D, MW-11S, MW-11D, AND MW-110D INSTALLED BY FOTH AND VAN DYKE (1993).
2. MONITORING WELLS MW-35R, MW-9R, MW-9D, MW-12, MW-120, MW-13, AND MW-130 INSTALLED BY NRT IN SEPTEMBER 1998.
3. BUILDINGS WERE DEMOLISHED, AND CONCRETE SLAB FLOORS REMOVED BY THE CITY OF BELOIT IN SUMMER 1997.
4. FORMER UST VAULT STRUCTURE LOCATED WEST OF 435 BUILDING REMAINS. FORMER AST BUNKER NORTH OF EXCAVATION AREA REMAINS, HOWEVER BURIED.



SOURCE NOTES:

1. ORIGINAL DRAWING ADAPTED BY DAMES AND MOORE FROM ORTHOGRAPHIC MAPPING OF BELOIT, WISCONSIN BY AEROMETRIC ENGINEERING, INC., DATED APRIL 28, 1991.
2. PORTLAND AVENUE AND FORMER WOODWARD AVENUE DEVELOPED FROM DRAWINGS BY WESTBROOK ASSOCIATED ENGINEERS, INC., SPRING GREEN, WISCONSIN, STATE PROJECT NUMBER 5889-02-71 AND 5340-03-72/5340-03-71, NOT DATED.
3. SITE PLAN DEVELOPED FROM DRAWING DISK FILE PROVIDED BY MCLAREN HART (1998) ADAPTED FROM DAMES AND MOORE (1992).
4. SITE FEATURES AND STREET LOCATIONS ARE APPROXIMATE BASED ON REFERENCED SOURCES ONLY.
5. SANITARY SEWER TAKEN FROM A MAP PROVIDED BY CITY OF BELOIT, DATE UNKNOWN.
6. ALL OTHER UTILITIES TAKEN FROM WESTBROOK ASSOCIATED ENGINEERS, INC., SPRING GREEN, WISCONSIN, STATE PROJECT NUMBER 5340-03-72, SHEET NO. 2.21, 3.2, 3.3, 2.37, AND 2.38, DATED MAY AND AUGUST 1993.

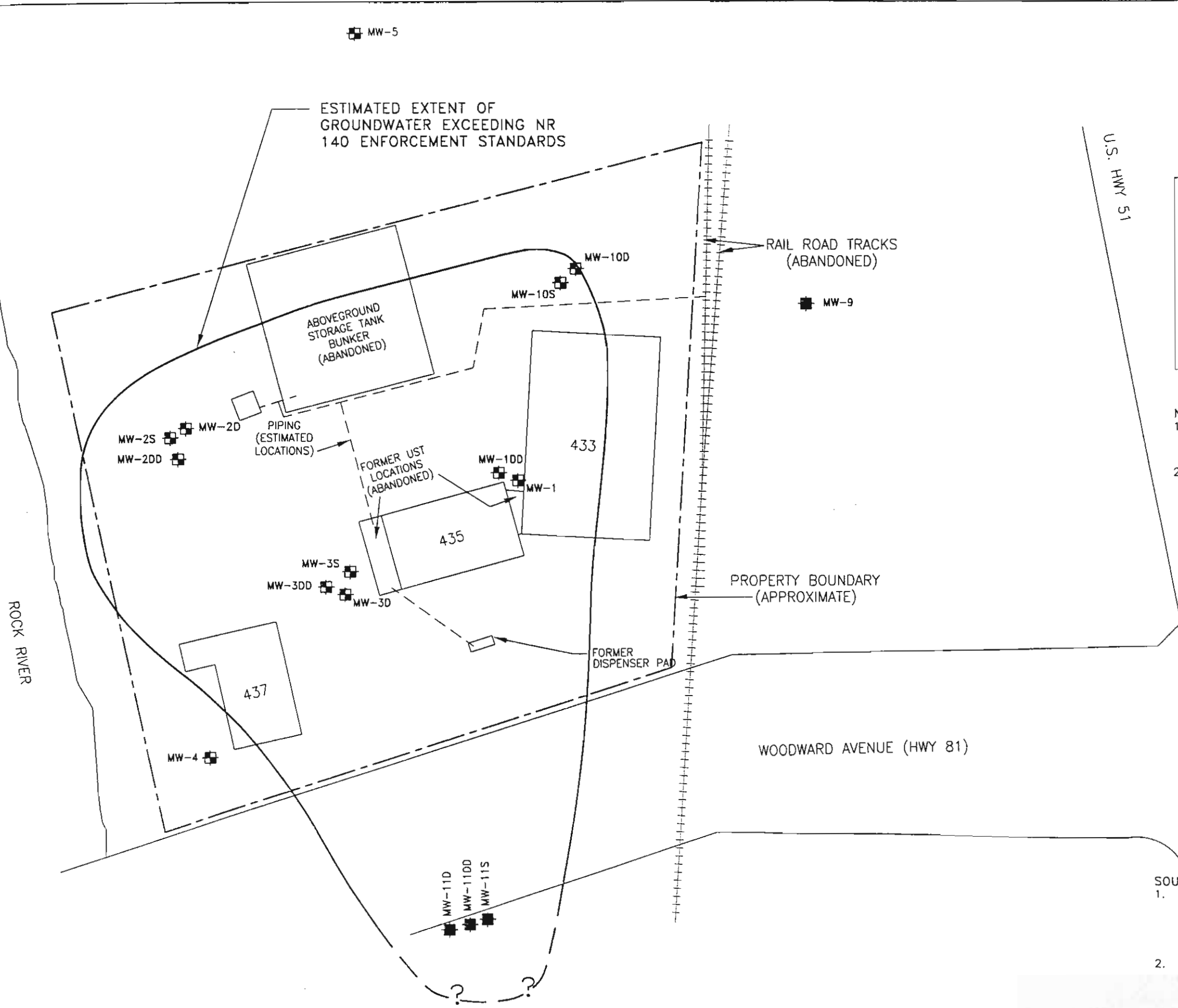
<p>APPROXIMATE EXTENT OF PETROLEUM IMPACTS IN GROUNDWATER - JULY 1999</p> <p>CASE CLOSURE REQUEST</p> <p>URSULA BORGERING ESTATE PROPERTY</p> <p>433-437 WOODWARD AVENUE</p> <p>BELOIT, WISCONSIN</p>	DRAWN BY:	TAS	DATE:	01/11/00
	CHECKED BY:	JAZ	DATE:	01/11/00
	APPROVED BY:	LJP	DATE:	01/11/00
	AUTOCAD FILE:	1179-B12.DWG		

Natural Resource Technology

PROJECT NO. 1179/3.1

DRAWING NO. 1179-912

FIGURE NO. 3

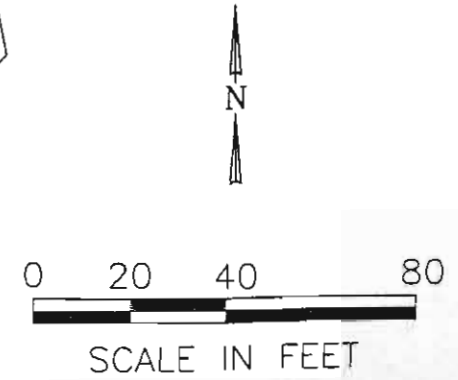


### LEGEND

MW-2S MONITORING WELL  
 MW-9 ABANDONED MONITORING WELL

NOTES:

- MONITORING WELLS INSTALLED BY DAMES AND MOORE (1990-1991) AND FOTH AND VAN DYKE (1993).
- BUILDINGS WERE DEMOLISHED, AND CONCRETE SLAB FLOORS REMOVED BY THE CITY OF БЕЛОИТ IN SUMMER 1997.



SOURCE NOTES:

- ORIGINAL DRAWING ADAPTED BY DAMES AND MOORE FROM ORTHOGRAPHIC MAPPING OF БЕЛОИТ, WISCONSIN BY AEROMETRIC ENGINEERING, INC., DATED APRIL 26, 1991.
- SITE PLAN DEVELOPED FROM DRAWING DISK FILE PROVIDED BY MCLAREN HART (1996) ADAPTED FROM DAMES AND MOORE (1992).

DRAWN BY:	TAS	DATE:	4/30/98
CHECKED BY:	JAG	DATE:	5/21/98
APPROVED BY:	LJP	DATE:	6/11/98

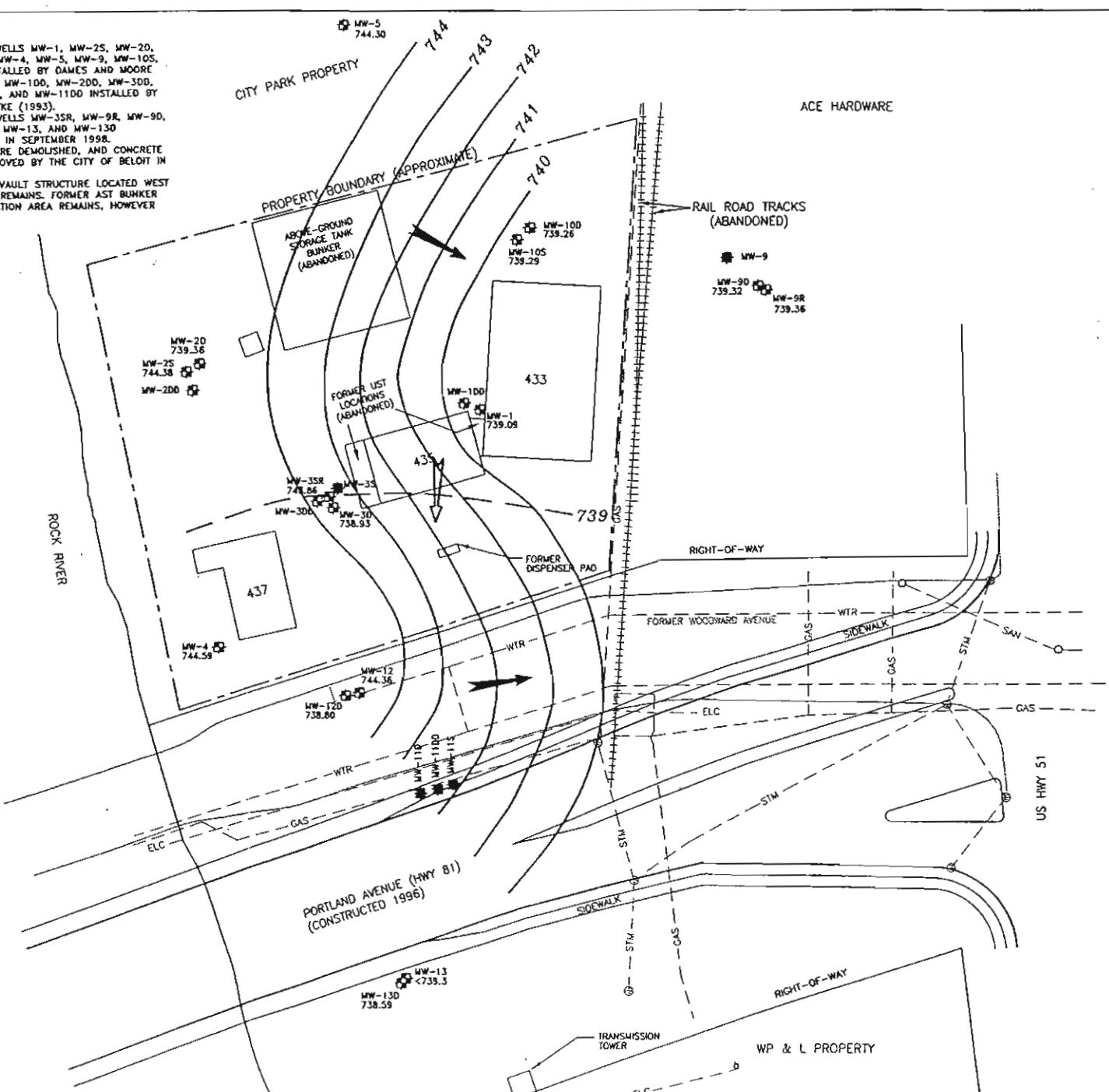
ESTIMATED EXTENT OF CONTAMINATED GROUNDWATER EXCEEDING NR 140 ENFORCEMENT STANDARDS  
 REMEDIAL DOCUMENTATION REPORT  
 URSULA BORGERDING ESTATE PROPERTY  
 433-437 WOODWARD AVENUE  
 БЕЛОИТ, WISCONSIN



PROJECT NO.	1179/2.5
DRAWING NO.	1179-B07
FIGURE NO.	3

AUTOCAD FILE: 1179-B07.DWG

NOTES:  
 1. MONITORING WELLS MW-1, MW-2S, MW-20, MW-3S, MW-30, MW-4, MW-5, MW-9, MW-10S, AND MW-100 INSTALLED BY DAMES AND MOORE (1990-1991) AND MW-100, MW-200, MW-300, MW-11S, MW-110, AND MW-1100 INSTALLED BY FOTH AND VAN DYKE (1993).  
 2. MONITORING WELLS MW-3SR, MW-9R, MW-9D, MW-12, MW-12D, MW-13, AND MW-13D INSTALLED BY NRT IN SEPTEMBER 1998.  
 3. BUILDINGS WERE DEMOLISHED, AND CONCRETE SLAB FLOORS REMOVED BY THE CITY OF BELOIT IN SUMMER 1997.  
 4. FORMER UST VAULT STRUCTURE LOCATED WEST OF 435 BUILDING REMAINS, FORMER AST BUNKER NORTH OF EXCAVATION AREA REMAINS, HOWEVER BURIED.



**LEGEND**

- ELEVATION CONTOUR, WATER TABLE
- FLOW DIRECTION, WATER TABLE
- ELEVATION CONTOUR, INTERMEDIATE DEPTH
- FLOW DIRECTION, INTERMEDIATE DEPTH
- MONITORING WELL AND GROUNDWATER ELEVATION, FT. NGVD
- ABANDONED MONITORING WELL
- ELC --- ELECTRIC LINE
- GAS --- GAS LINE
- SAN --- SANITARY SEWER LINE
- STM --- STORM SEWER LINE
- WTR --- WATER LINE
- CATCH BASIN
- MANHOLE
- POWER POLE
- NATIONAL GEODETIC VERTICAL DATUM

SOURCE NOTES:  
 1. ORIGINAL DRAWING ADAPTED BY DAMES AND MOORE FROM ORTHOGRAPHIC MAPPING OF BELOIT, WISCONSIN BY AEROMETRIC ENGINEERING, INC., DATED APRIL 24, 1991.  
 2. PORTLAND AVENUE AND FORMER WOODWARD AVENUE DEVELOPED FROM DRAWINGS BY WESTBROOK ASSOCIATED ENGINEERS, INC., SPRING GREEN, WISCONSIN, STATE PROJECT NUMBER 5889-02-71 AND 3340-03-72/3340-03-71, NOT DATED.  
 3. SITE PLAN DEVELOPED FROM DRAWING DISK FILE PROVIDED BY MCLAREN HART (1998) ADAPTED FROM DAMES AND MOORE (1992).  
 4. SITE FEATURES AND STREET LOCATIONS ARE APPROXIMATE BASED ON REFERENCED SOURCES ONLY.  
 5. SANITARY SEWER TAKEN FROM A MAP PROVIDED BY CITY OF BELOIT, DATE UNKNOWN.  
 6. ALL OTHER UTILITIES TAKEN FROM WESTBROOK ASSOCIATED ENGINEERS, INC. SPRING GREEN, WISCONSIN, STATE PROJECT NUMBER 3340-03-72, SHEET NO. 2.21, 5.2, 5.3, 2.37, AND 2.38, DATED MAY AND AUGUST 1995.

**GROUNDWATER ELEVATION CONTOURS**  
 JULY 20, 1999  
 CASE CLOSURE REQUEST  
 URSULA BORGERING ESTATE PROPERTY  
 433-437 WOODWARD AVENUE  
 BELOIT, WISCONSIN

DRAWN BY: TAS DATE: 01/11/00  
 CHECKED BY: JAZ DATE: 01/11/00  
 APPROVED BY: LJP DATE: 01/11/00  
 AUTOCAD FILE: 1179-B11.DWG

Natural Resource Technology

PROJECT NO. 1179/3.1  
 DRAWING NO. 1179-811  
 FIGURE NO. 2

Table 8 - Excavation Sample Analytical Summary - VOCs, GRO, DRO  
 Ursula Borgerding Estate Property - Beloit, WI

Sample ID	Sample Depth (ft)	Mobile (M) or Fixed (F) Lab Analysis	VOC (µg/kg)													GRO (mg/kg)	DRO* (mg/kg)
			Benzene	Ethylbenzene	MTBE	Toluene	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Xylenes, Total	Total PVOCs	n-Butylbenzene	sec-Butylbenzene	Isopropylbenzene	Naphthalene	n-Propylbenzene		
<b>Excavation Sidewall Samples - Unsaturated Zone</b>																	
EW-3	3	M	800	220	<25	92	660	450	570	2,792	--	--	--	<25	--	110	130
EW-4	3	M	970	760	<25	2,200	820	570	3,100	8,420	--	--	--	<25	--	31	<10
EW-5	3	M	590	290	38	50	220	140	890	2,218	--	--	--	450	--	17	<10
EW-6	2	M	34	56	<25	57	100	51	200	498	--	--	--	190	--	<10	--
EW-7	4	M	83	130	33	49	190	76	330	891	--	--	--	<25	--	23	--
EW-7	4	F	260	220	<25	81	130	74	500	1,265	90	<25	<25	100	100	29	24
EW-8	3	M	<25	<25	<25	<25	36	65	<25	101	--	--	--	<25	--	<10	--
EW-8	3	F	30	36	<25	32	64	<25	155	317	43	<25	<25	27	<25	<10	<10
EW-9	3	M	28	<25	<25	<25	63	30	73	194	--	--	--	<25	--	<10	--
EW-10	3	M	890	1,700	74	<25	590	600	2,700	6,554	--	--	--	1,200	--	110	170
EW-12	2	M	670	300	85	370	2,200	820	2,100	6,545	--	--	--	1,600	--	56	130
EW-14	2	M	240	140	43	160	750	310	890	2,533	--	--	--	600	--	47	<10
EW-15	3	M	37	54	<25	<25	120	65	260	536	--	--	--	360	--	23	--
EW-16	1-2	F	62	340	<25	80	2,300	1,400	2,360	6,542	1,900	<25	88	620	340	57	<10
EW-18	2	F	2,900	1,300	<25	7,900	12,000	5,700	25,000	54,800	--	--	--	--	--	220	48
EW-19	2-3	F	38	82	<25	92	190	76	170	648	--	--	--	420	--	<10	49
EW-20	2	F	37	27	<25	<25	<25	<25	79	143	25	<25	<25	<25	<25	<10	<10
EW-21	3	F	25	50	<25	26	41	<25	160	302	--	--	--	41	--	<10	18
EW-23	3	F	610	170	<25	900	1,000	520	1,800	5,000	--	--	--	240	--	14	52
EW-24	2-3	F	1,100	340	<25	130	430	270	950	3,220	400	46	68	150	270	30	<10
<b>Excavation Sidewall and Base Samples - Water Table Fluctuation/Saturated Zone</b>																	
EW-11	3-4	M	9,600	21,000	<500	2,900	50,000	22,000	54,000	159,500	--	--	--	25,000	--	2,200	2,500
EB-1	4-5	F	12,000	1,000	<250	410	1,600	1,000	3,240	19,250	1,600	480	1,000	3,400	2,000	64	39
EB-2	5	F	10,000	57	<25	32	88	59	160	10,396	--	--	--	59	--	20	<10
EB-3	6	F	420	55	<25	130	110	86	320	1,121	--	--	--	130	--	<10	<10
<b>Disposal Confirmation Samples</b>																	
DSP-1	comp.	M	14,000	87,000	2,300	8,000	230,000	71,000	400,000	812,300	--	--	--	45,000	--	5,700	--
DSP-1	comp.	F	93,000	320,000	<2,500	54,000	760,000	240,000	1,400,000	2,867,000	--	--	--	--	--	13,000	3,400
DSP-3	comp.	F	3,700	62,000	<2,500	8,500	260,000	110,000	120,000	564,200	--	--	--	--	--	5,100	6,800
DSP-4	comp.	F	13,000	110,000	<2,500	16,000	240,000	82,000	370,000	831,000	--	--	--	--	--	3,500	4,900
EW-1	3	M	5,200	1,300	34	190	210	320	2,800	10,054	--	--	--	550	--	130	--
EW-2	3	M	600	49,000	<250	<250	>313,000	160,000	370,000	579,600	--	--	--	120,000	--	6,800	--
EW-13	3	M	2,200	22,000	510	830	>62,500	27,000	64,000	116,540	--	--	--	20,000	--	2,200	--
TP-1	0.5-1	M	1,700	<500	<500	<500	1,700	1,700	1,600	6,700	--	--	--	7,100	--	700	--
TP-1	2-4	M	4,800	10,900	<500	16,000	320,000	96,000	570,000	1,017,700	--	--	--	78,000	--	4,200	--
TP-4	2-4	M	3,000	95,000	3,800	<500	250,000	80,000	320,000	751,800	--	--	--	57,000	--	6,800	--
TP-5	1-1.5	M	300	790	<25	140	3,300	1,100	5,200	10,830	--	--	--	530	--	49	--
TP-5	2-3	M	520	21,000	<250	<250	107,000	34,000	103,000	265,520	--	--	--	29,000	--	2,200	--
TP-18	4	M	6,100	13,000	170	310	2,400	1,500	5,400	28,880	--	--	--	12,000	--	630	--
<b>NR 720 generic Residual Contaminant Levels (RCLs)</b>																	
NR 720 RCL-groundwater			5.5	2,900	ns	1,500	ns	ns	4,100	ns	ns	ns	ns	ns	ns	100	100

by: DVP 12/23/97  
 chkd by: GMP/JAG

**Notes:**

Sample locations are shown on Figure 4 and 5.  
 EW = Excavation Sidewall Sample  
 EB = Excavation Base Sample  
 DSP = Disposal Sample  
 TP = Test Pit Sample  
 ns = no NR 720 generic soil standard has been established  
 Samples were collected December 1-3, 1997.

Concentrations exceeding NR 720 generic RCLs are bolded and shaded.  
 \* = all DRO samples were analyzed by fixed-lab.  
 -- = parameter not analyzed  
 GRO = Gasoline Range Organics  
 DRO = Diesel Range Organics  
 MTBE = Methyl-tert-butyl-ether  
 Sample EW-7, EW-8 and DSP-1 were duplicate samples analyzed by both mobile GC and fixed laboratory.

**Table 9 - Excavation Sample Analytical Summary - PAHs, Lead**  
 Ursula Borgerding Estate Property - Beloit, WI

Sample ID	Sample Depth (ft)	Mobile Lab (M) or Fixed-Lab (F) Analysis	PAHs (mg/kg)																		Total Lead (mg/kg)
			Acenaphthene	Acenaphthylene	Anthracene	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(k)fluoranthene	Benzo(g,h,i)perylene	Chrysene	Dibenzo(a,h)anthracene	Fluoranthene	Fluorene	Indeno(1,2,3-cd)pyrene	1-Methylnaphthalene	2-Methylnaphthalene	Naphthalene	Phenanthrene	Pyrene	
<b>Excavation Sidewall Samples - Unsaturated Zone</b>																					
EW-7	4	F	1.6	0.17	3.7	7.4	10	11	<0.036	3.4	6.8	3.9	18	1.4	3.0	0.54	0.25	0.3	11	15	11,900
EW-7 (D)	4	F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	313
EW-8	3	F	<0.027	<0.024	<0.009	<0.025	<0.020	<0.033	<0.009	<0.018	<0.024	<0.027	<0.022	<0.027	<0.022	<0.019	<0.023	<0.017	<0.009	<0.017	<4
EW-16	1-2	F	<0.027	0.038	0.16	0.26	0.51	0.5	0.13	0.22	0.39	0.2	0.6	0.076	0.14	0.7	0.77	0.38	0.48	0.56	242
EW-17	1-2	F	<0.027	<0.024	0.041	0.1	0.46	0.41	0.11	0.2	0.22	0.2	0.3	<0.027	0.14	0.11	0.12	0.1	0.15	0.28	--
EW-18	2	F	0.34	<0.1	0.84	1.8	3.7	2.8	1.1	0.9	1.9	1.4	3.4	0.31	1.0	17	20	8.4	4.4	4.3	--
EW-20	2	F	<0.027	<0.024	<0.009	<0.025	<0.020	<0.033	<0.009	<0.018	<0.024	<0.027	<0.022	<0.027	<0.022	<0.019	<0.023	<0.017	<0.009	<0.017	13
EW-22	1-2	F	0.2	<0.024	0.11	0.71	1.7	1.6	0.4	0.75	1.2	0.85	1.1	0.11	0.62	1.1	1.6	3.7	0.79	1.1	--
EW-24	2-3	F	<0.027	<0.024	0.16	0.66	1.1	1.1	<0.009	0.54	0.6	0.52	1.4	0.05	0.43	0.14	0.11	0.094	0.52	1.3	13
<b>Excavation Sidewall and Base Samples - Water Table Fluctuation/Saturated Zone</b>																					
EB-1	4-5	F	0.22	<0.24	0.14	2.0	4.6	4.8	1.2	1.9	3.0	1.9	3.5	0.056	1.6	1.1	0.13	2.3	0.81	2.7	117
<b>Residual Contaminant Levels (RCLs)</b>																					
Groundwater Pathway			38	0.7	3,000	17	48	360	870	6,800	37	38	500	100	680	23	20	0.4	1.8	8,700	--
Direct Contact Pathway (non-ind.)			900	18	5,000	0.088	0.0088	0.088	0.88	1.8	8.8	0.0088	600	600	0.088	1,100	600	20	18	500	--
NR 720 direct contact RCL			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	50

**Notes:**

Sample locations are shown on Figure 5.

EW = Excavation Sidewall Samples

EB = Excavation Base Samples

Samples were collected December 1-3, 1997.

-- = parameter not analyzed.

PAH RCLs are suggested values published in WDNR document *Soil Cleanup Levels for Polycyclic Aromatic Hydrocarbons (PAHs) Interim Guidance*, April 1997.

NR 720 RCLs for metals are values for direct contact, non-industrial (NR 720.11, Table 2).

(D) = Duplicate sample

Concentrations exceeding NR 720 direct contact RCLs are bolded and shaded (samples collected 0-2 ft BGS).

by: DVP 12/23/97

chkd by: GMP/JAG





Table 3, continued - Groundwater Analytical Results - VOCs, GRO  
 Borgerding Estate Property - Beloit, WI

Location	Sampling Date	PVOCs (µg/L)						VOCs (µg/L)																(mg/L)				
		Benzene	Ethylbenzene	Toluene	Triethylbenzenes (total)	Xylenes (total)	MTBE	Acetone	Bromoform	n-Butylbenzene	tert-Butylbenzene*	sec-Butylbenzene	Carbon Disulfide	Chloroform	trans-1,2-Dichloroethene	cis-1,2-Dichloroethene	1,1-Dichloroethane	2-Hexanone	p-Isopropyltoluene	Isopropylbenzene	Methylene Chloride	MIBK	Naphthalene		n-Propylbenzene	Tetrachloroethene	1,1,1-Trichloroethane	Trichloroethene
MW-10S	7/11/90	12	nd	nd	-	nd	-	42	nd	-	-	54	nd	nd	nd	nd	400	-	-	nd	69	-	-	nd	nd	nd	nd	-
	6/7/91 <sup>c</sup>	6.9	2.1	3.2	4.5	nd	4.5	-	nd	5.4	2.2	6.1	-	nd	nd	nd	nd	2.5	12	nd	-	130	29	nd	nd	nd	-	
	9/6/91	8	nd	nd	-	nd	-	nd	nd	-	-	nd	nd	nd	nd	nd	nd	-	-	nd	nd	-	-	nd	nd	nd	-	
	6/25/93	8.4	3.2	4.5	nd	nd	2.9	-	nd	27	3.4	9.3	-	nd	nd	nd	nd	-	4.0	16	nd	-	176	47	nd	nd	nd	
	7/21/93	10.2	nd	1.9	2.2	nd	nd	-	nd	7.1	*	3	-	nd	nd	nd	nd	-	3.9	5.4	nd	-	94	12	nd	nd	nd	
	7/16/96	3.1	nd	nd	nd	nd	nd	-	nd	6.9	1.2	3.3	-	nd	nd	nd	nd	-	-	7.0	nd	-	59	17	nd	nd	nd	
	9/24/98	2.0	nd	1.0	nd	nd	nd	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	7/20/99	1.3	0.58	0.75	0.35	0.51	nd	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MW-10D	6/7/91 <sup>c</sup>	nd	nd	nd	nd	nd	4.2	-	nd	nd	nd	1.3	-	nd	nd	nd	nd	-	nd	nd	nd	-	nd	nd	nd	nd	nd	
	10/2/91	nd	16	6.7	-	13	-	nd	nd	-	-	nd	nd	nd	nd	nd	nd	-	-	nd	nd	-	-	-	nd	nd	nd	
	6/25/93	nd	nd	nd	nd	nd	nd	-	nd	nd	nd	nd	-	nd	nd	nd	nd	-	nd	nd	nd	-	1.3	2.2	nd	nd	nd	
	7/21/93	nd	nd	nd	nd	nd	nd	-	nd	1.5	*	1.2	-	nd	nd	nd	nd	-	nd	nd	nd	-	5.6	2.9	nd	nd	nd	
	7/16/96	nd	nd	nd	nd	nd	nd	-	nd	8.8	1.2	4.6	-	nd	nd	nd	nd	-	nd	2.9	nd	-	11	2.6	nd	nd	nd	
	9/24/98	nd	nd	nd	nd	nd	nd	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MW-11S	6/25/93	2.2	nd	3.2	nd	4.5	nd	-	nd	nd	nd	nd	-	nd	nd	nd	nd	-	nd	nd	nd	-	nd	nd	nd	nd	nd	
	7/20/93	nd	nd	1.2	nd	nd	nd	-	nd	nd	*	nd	-	nd	nd	nd	1.2	-	nd	nd	nd	-	nd	nd	nd	nd	nd	
MW-11D	6/25/93	1,900	nd	nd	nd	nd	nd	-	nd	nd	nd	nd	-	nd	nd	nd	nd	-	nd	140	nd	-	210	240	nd	nd	nd	
	7/20/93	430	nd	nd	nd	nd	nd	-	nd	16	*	12	-	nd	nd	nd	nd	-	nd	79	nd	-	230	160	nd	nd	nd	
MW-11DD	6/25/93	nd	nd	1.6	nd	nd	nd	-	nd	nd	nd	nd	-	nd	nd	3.5	44	-	nd	nd	nd	-	nd	nd	nd	1.5	5.2	
	7/20/93	nd	nd	nd	nd	nd	nd	-	nd	nd	*	nd	-	nd	nd	2.7	65	-	nd	nd	nd	-	nd	nd	nd	1.8	3.6	
MW-12	9/24/98	nd	nd	nd	nd	nd	0.45	-	nd	nd	nd	nd	-	nd	nd	nd	nd	-	nd	nd	nd	-	nd	nd	nd	nd	nd	
	12/9/98	nd	nd	nd	nd	nd	nd	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	4/12/99	nd	nd	nd	nd	nd	nd	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	7/20/99	nd	nd	nd	nd	nd	0.27	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MW-12D	9/24/98	47	0.82	0.92	nd	1.3	nd	-	0.53	nd	nd	nd	-	nd	nd	nd	nd	-	nd	0.9	nd	-	nd	1.3	nd	nd	0.60	
	12/9/98	190	0.26	0.82	0.54	2.1	6.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	4/12/99	36	nd	nd	0.3	0.61	6.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	7/20/99	140	0.63	1.4	0.65	1.4	nd	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MW-13D	9/24/98	4.9	nd	nd	nd	nd	nd	-	0.42	nd	nd	nd	-	nd	nd	nd	nd	-	nd	nd	nd	-	nd	nd	nd	nd	0.52	
	12/9/98	nd	nd	nd	nd	nd	nd	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	4/12/99	4.6	nd	nd	nd	0.23	nd	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	7/20/99	nd	nd	nd	nd	nd	0.29	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
<b>DUPLICATES</b>																												
MW-2SA	6/5/91	253	17.1	5.3	62.7	22.4	9.6	-	nd	nd	nd	nd	-	nd	nd	nd	nd	-	nd	2.8	nd	-	nd	3.4	nd	nd	nd	
	6/25/93	86	48	7.2	242	74.9	nd	-	nd	73	nd	7.1	-	nd	nd	nd	nd	-	nd	22	nd	-	87	66	nd	nd	nd	
	7/21/93	74	18	7.8	46	28	nd	-	nd	14	*	nd	-	nd	nd	nd	nd	-	8.9	10	nd	-	56	28	nd	nd	nd	
MW-3DA	6/25/93	2,000	270	22	167	440	34	-	nd	41	nd	nd	-	nd	nd	nd	nd	-	nd	23	nd	-	140	41	nd	nd	nd	
	7/21/93	1,300	64	nd	21	130	nd	-	nd	nd	*	nd	-	nd	nd	nd	nd	-	35	nd	nd	-	nd	nd	nd	nd	nd	
MW10-DZ	7/16/96	nd	nd	nd	nd	nd	nd	-	nd	8.1	1.2	4.4	-	nd	nd	nd	nd	-	nd	2.8	nd	-	11	2.5	nd	nd	nd	
MW-99	4/12/99	310	2.7	5.5	2	16	nd	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MW-99	7/20/99	nd	nd	nd	nd	nd	nd	-	nd	nd	nd	nd	-	nd	nd	30	-	nd	nd	5.2	nd	-	nd	nd	nd	nd	nd	
MW-98	7/20/99	nd	nd	0.29	nd	nd	nd	-	nd	nd	nd	nd	-	nd	nd	6.5	2	-	nd	nd	nd	-	nd	nd	0.52	nd	0.33	
NR 140 ES		5	700	343	480	620	60	1,000	4.4	ns	ns	ns	1,000	6	100	70	850	ns	ns	ns	5	500	40	ns	5	200	5	ns
NR 140 PAL		0.5	140	68.6	26	124	12	200	0.44	ns	ns	ns	200	0.6	20	2	85	ns	ns	ns	0.5	50	8	ns	0.5	40	0.5	ns



Table 3, continued - Groundwater Analytical Results - VOCs, GRO  
 Borgerding Estate Property - Beloit, WI

Location	Sampling Date	PYOCs (µg/L)						VOCs (µg/L)																	(mg/L)			
		Benzene	Ethylbenzene	Toluene	Trimethylbenzenes (total)	Xylenes (total)	MTBE	Acetone	Bromoform	n-Butylbenzene	tert-Butylbenzene*	sec-Butylbenzene	Carbon Disulfide	Chloroform	trans-1,2-Dichloroethene	cis-1,2-Dichloroethene	1,1-Dichloroethane	2-Hexanone	p-Isopropyltoluene	Isopropylbenzene	Methylene Chloride	MIBK	Naphthalene	n-Propylbenzene		Tetrachloroethene	1,1,1-Trichloroethane	Trichloroethene
Trip Blank	6/5/91	nd	nd	nd	nd	nd	nd	--	nd	nd	nd	nd	--	nd	nd	nd	nd	--	nd	nd	nd	--	nd	nd	nd	nd	nd	--
	6/25/93	nd	nd	nd	nd	nd	nd	--	nd	nd	nd	nd	--	nd	nd	nd	nd	--	nd	nd	nd	--	nd	nd	nd	nd	nd	--
	7/21/93	nd	nd	nd	nd	nd	nd	--	nd	nd	nd	nd	--	nd	nd	nd	nd	--	nd	nd	nd	--	nd	nd	nd	nd	nd	--
	9/24/98	nd	nd	nd	nd	nd	nd	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/9/98	nd	nd	nd	nd	nd	nd	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	4/12/99	nd	nd	nd	nd	nd	nd	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7/20/99	nd	nd	nd	nd	nd	nd	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Field Blank	6/5/91	nd	nd	1.3	nd	nd	nd	--	nd	nd	nd	nd	--	0.4	nd	nd	nd	--	nd	nd	nd	--	nd	nd	nd	nd	nd	--
	6/25/93 <sub>1</sub>	nd	nd	2.2	nd	nd	nd	--	nd	nd	nd	nd	--	nd	nd	nd	nd	--	nd	nd	nd	--	1.3	nd	nd	nd	nd	--
	6/25/93 <sub>2</sub>	nd	nd	2.2	nd	nd	nd	--	nd	nd	nd	nd	--	nd	nd	nd	nd	--	nd	nd	nd	--	nd	nd	nd	nd	nd	--
	7/21/93 <sub>1</sub>	nd	nd	1.5	nd	nd	nd	--	nd	nd	nd	nd	--	nd	nd	nd	nd	--	nd	nd	nd	--	nd	nd	nd	nd	nd	--
	7/21/93 <sub>2</sub>	nd	nd	1.0	nd	nd	nd	--	nd	nd	nd	nd	--	nd	nd	nd	nd	--	nd	nd	nd	--	nd	nd	nd	nd	nd	--
Method Blank	6/5/91	nd	nd	nd	nd	nd	nd	--	nd	nd	nd	nd	--	nd	nd	nd	nd	--	nd	nd	nd	6.2	--	nd	nd	nd	nd	--
NR140 ES		5	700	343	480	620	60	1,000	4.4	ns	ns	ns	1,000	6	100	70	850	ns	ns	ns	5	500	40	ns	5	200	5	ns
NR140 PAL		0.5	140	68.6	96	124	12	200	0.44	ns	ns	ns	200	0.6	20	7	85	ns	ns	ns	0.5	50	8	ns	0.5	40	0.5	ns

Notes:  
 ^ common lab solvent and contaminant  
 B matrix interference present in MW-3S, 7/96 analysis  
 C analyzed past hold time - results must be considered minimum values  
 D matrix interference present in 4/12/99 analysis  
 NR140 ES and PAL are the WDNR Enforcement Standard and Preventive Action Limit for groundwater quality, respectively.  
 Samples exceeding the ES are shaded and samples exceeding the PAL are underlined.  
 ns = no NR140 ES or PAL standard has been established for parameter.  
 Wells MW-3SR, MW-9R, MW-9D, MW-12, MW-12D, MW-13, and MW-13D were installed on 9/15-16/98.

-- = parameter not analyzed for in this sample.  
 nd = parameter not detected in this sample.  
 MW-10DZ is a duplicate of sample MW-10D.  
 MW-2SA is a duplicate of MW-2S.  
 MW-99 is a duplicate of MW-1  
 MW-3DA is a duplicate of MW-3D.  
 1991-1993 data collected by Dames & Moore.  
 1996-1998 data collected by NRT.

by: DVP, JAM  
 chkd by: JAZ, JAZ

Table 4 - Groundwater Analytical Results - PAHs, DRO, Metals  
 Borgerding Estate Property - Beloit, WI

Location	Sampling Date	Polynuclear Aromatic Hydrocarbons (µg/L)																	(mg/L)	Metals (µg/L)					
		Acenaphthene	Acenaphthylene	Anthracene	Benzo(a)anthracene	Benzo(b)fluoranthene	Benzo(k)fluoranthene	Benzo(a)pyrene	Benzo(g,h,i)perylene	Chrysene	Dibenzo(a,h)anthracene	Dibenzofuran	Fluoranthene	Fluorene	Indeno(1,2,3-cd)pyrene	1-Methylnaphthalene	2-Methylnaphthalene	Naphthalene		Phenanthrene	Pyrene	Diesel Range Organics	Lead, dissolved	Barium	Arsenic
MW-1	6/25/93	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	--	--	87	11	nd	--	16	130	--	--	
	7/21/93	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	--	--	120	25	nd	--	7.1	190	--	--	
	7/16/96	nd	nd	nd	1.7	0.09	0.18	0.40	0.26	0.3	--	0.98	nd	0.17	11	13	130	1.4	0.5	--	4.1	--	--	--	
	4/23/97	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	13	--	--	--	--	
	9/24/98	1.9	nd	0.49	1.5	0.17	0.065	0.28	0.31	0.22	nd	--	2.5	3.1	0.16	60	66	130	0.87	0.81	--	14	--	--	--
	4/12/99	30	nd	1.3	5.4	0.65	0.29	1.0	0.77	1.2	nd	--	6.1	6.9	0.59	110	150	170	6.5	6.5	--	--	--	--	--
	7/20/99	2.7	nd	2.9	7.8	1.3	1.5	2.5	2	2.3	0.21	--	6.4	8.0	1.1	110	150	170	6.2	8.4	--	--	--	--	--
MW-1DD	6/25/93	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	--	--	nd	nd	nd	--	nd	160	--	--	
	7/21/93	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	--	--	nd	nd	nd	--	nd	120	--	--	
MW-2S	6/5/91	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	--	--	14	nd	nd	--	nd	180	3.9	0.3	
	6/25/93	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	--	--	44	nd	nd	--	nd	190	--	--	
	7/21/93	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	--	--	13	nd	nd	--	nd	160	--	--	
	9/24/98	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	0.24	0.98	nd	8.0	7.4	13	0.16	0.13	--	nd	--	--	--	
	4/12/99	1	nd	0.13	2.2	nd	nd	nd	nd	0.27	nd	--	4.2	2.8	nd	11	15	nd	4.4	3.6	--	--	--	--	--
	7/20/99	nd	nd	0.057	nd	nd	nd	nd	nd	nd	nd	--	nd	1.9	nd	14	17	20	0.53	nd	--	--	--	--	--
MW-2D	6/25/93	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	--	--	36	nd	nd	--	2.2	140	--	--	
	7/21/93	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	--	--	56	nd	nd	--	2.2	150	--	--	
	4/23/97	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.63	--	--	--	--	
	9/24/98	0.71	nd	0.04	nd	nd	nd	nd	nd	nd	nd	--	0.49	2.3	nd	3.2	nd	nd	0.67	0.069	--	nd	--	--	--
	7/20/99	0.6	nd	0.22	0.3	0.071	0.12	nd	nd	0.083	nd	--	1.1	3.6	nd	19	13	4.2	1.2	0.12	--	--	--	--	--
MW-2DD	6/25/93	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	--	--	nd	nd	nd	--	nd	130	--	--	
	7/21/93	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	--	--	nd	nd	nd	--	5.0	130	--	--	
MW-3S	6/5/91	37	nd	nd	12	25	nd	11	nd	14	nd	--	28	24	nd	--	120	42	20	--	6.4	240	3.8	nd	
	6/25/93	74	nd	59	100	89	nd	45	37	83	nd	--	190	74	45	--	600	240	130	--	8.3	220	--	--	
	7/21/93	23	nd	15	18	17	nd	nd	nd	17	nd	12	50	25	nd	--	65	72	34	--	13	230	--	--	
	7/16/96	nd	nd	nd	nd	22	10	17	16	14	nd	--	55	28	8.2	460	550	550	nd	13	--	nd	--	--	--
	4/23/97	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	52	--	--	--	--
MW-3SR	9/24/98	nd	nd	nd	0.034	0.059	0.048	0.093	nd	0.056	nd	--	0.11	nd	nd	nd	nd	0.042	0.41	--	nd	--	--	--	
	4/12/99	12	nd	1.9	1.5	0.74	0.39	1.6	2.1	0.96	0.21	--	4.1	11	1.3	16	19	36	8.7	2	--	--	--	--	--
	7/20/99	19	nd	4.9	4.5	2.9	2.6	4.7	6.0	0.93	0.61	--	19	22	3.0	26	12	39	23	7.8	--	--	--	--	--
MW-3D	6/5/91	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	nd	99	5.8	0.7
	6/25/93	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	--	--	64	nd	nd	--	nd	130	--	--	
	7/21/93	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	--	--	nd	nd	nd	--	2.5	110	--	--	
	9/24/98	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	--	nd	nd	nd	nd	nd	nd	nd	nd	--	nd	--	--	--
MW-3DD	6/25/93	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	--	--	nd	nd	nd	--	nd	44	--	--	
	7/21/93	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	--	--	nd	nd	nd	--	2.8	78	--	--	
NR 140 ES		ns	ns	3,000	ns	0.2	ns	0.2	ns	0.2	ns	ns	400	400	ns	ns	ns	40	ns	250	ns	15	2,000	50	5
NR 140 PAL		ns	ns	600	ns	0.02	ns	0.02	ns	0.02	ns	ns	80	80	ns	ns	ns	8	ns	50	ns	1.5	400	5	0.5

Table 4, continued - Groundwater Analytical Results - PAHs, DRO, Metals  
 Borgerding Estate Property - Beloit, WI

Location	Sampling Date	Polynuclear Aromatic Hydrocarbons (µg/L)																		(mg/L)	Metals (µg/L)				
		Acenaphthene	Acenaphthylene	Anthracene	Benzo(a)anthracene	Benzo(b)fluoranthene	Benzo(k)fluoranthene	Benzo(a)pyrene	Benzo(g,h,i)perylene	Chrysene	Dibenzo(a,h)anthracene	Dibenzofuran	Fluoranthene	Fluorene	Indeno(1,2,3-cd)pyrene	1-Methylnaphthalene	2-Methylnaphthalene	Naphthalene	Phenanthrene		Pyrene	Diesel Range Organics	Lead, dissolved	Barium	Arsenic
MW-4	6/25/93	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	--	--	nd	nd	nd	--	nd	110	--	--	
	7/20/93	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	--	--	nd	nd	nd	--	nd	130	--	--	
MW-5	6/25/93	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	--	--	nd	nd	nd	--	nd	220	--	--	
	7/21/93	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	--	--	nd	nd	nd	--	nd	190	--	--	
MW-9	6/25/93	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	--	--	nd	nd	nd	--	nd	50	--	--	
	7/20/93	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	--	--	nd	nd	nd	--	nd	54	--	--	
MW-9R	9/24/98	nd	nd	nd	nd	nd	nd	nd	nd	nd	--	nd	nd	nd	nd	nd	nd	nd	nd	--	nd	--	--	--	
MW-9D	9/24/98	0.73	nd	nd	nd	nd	nd	nd	nd	nd	--	nd	1.6	nd	nd	nd	nd	nd	nd	--	nd	--	--	--	
MW-10S	6/5/91	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	51	180	9.2	0.4
	6/25/93	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	--	--	61	nd	nd	--	15	73	--	--	
	7/21/93	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	--	--	22	nd	nd	--	7.7	130	--	--	
	9/24/98	2.1	nd	0.21	nd	nd	nd	nd	nd	nd	--	0.66	5.4	nd	44	34	83	1.5	0.21	--	5.6	--	--	--	
	4/12/99	3.6	nd	0.15	nd	nd	nd	nd	nd	nd	--	0.23	11	nd	110	120	140	3.2	0.24	--	--	--	--	--	
7/20/99	2	nd	nd	nd	nd	nd	nd	nd	nd	--	nd	5.4	nd	44	18	35	2.5	nd	--	--	--	--	--		
MW-10D	6/5/91	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	nd	120	nd	0.3
	6/25/93	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	--	--	nd	nd	nd	--	5	30	--	--	
	7/21/93	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	--	--	nd	nd	nd	--	nd	38	--	--	
	9/24/98	nd	nd	nd	nd	nd	nd	nd	nd	nd	--	nd	nd	nd	nd	nd	nd	nd	nd	--	nd	--	--	--	
MW-11S	6/25/93	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	--	--	nd	nd	nd	--	nd	160	--	--	
	7/20/93	nd	nd	nd	nd	nd	--	nd	nd	nd	nd	nd	nd	nd	--	--	nd	nd	nd	--	nd	190	--	--	
MW-11D	6/25/93	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	--	--	34	nd	nd	--	nd	130	--	--	
	7/20/93	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	--	--	75	nd	nd	--	nd	110	--	--	
MW-11DD	6/25/93	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	--	--	nd	nd	nd	--	nd	150	--	--	
	7/20/93	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	--	--	nd	nd	nd	--	nd	160	--	--	
NR-140 ES		ns	ns	3,000	ns	0.2	ns	0.2	ns	0.2	ns	ns	400	400	ns	ns	ns	40	ns	250	ns	15	2,000	50	5
NR 140 PAL		ns	ns	600	ns	0.02	ns	0.02	ns	0.02	ns	ns	80	80	ns	ns	ns	8	ns	50	ns	1.5	400	5	0.5

Table 4, continued - Groundwater Analytical Results - PAHs, Metals  
 Borgerding Estate Property - Beloit, WI

Location	Sampling Date	Polynuclear Aromatic Hydrocarbons (µg/L)																		(mg/L)	Metals (µg/L)				
		Acenaphthene	Acenaphthylene	Anthracene	Benzo(a)anthracene	Benzo(b)fluoranthene	Benzo(k)fluoranthene	Benzo(a)pyrene	Benzo(g,h,i)perylene	Chrysene	Dibenzo(a,h)anthracene	Dibenzofuran	Fluoranthene	Fluorene	Indeno(1,2,3-cd)pyrene	1-Methylnaphthalene	2-Methylnaphthalene	Naphthalene	Phenanthrene		Pyrene	Diesel Range Organics	Lead, dissolved	Barium	Arsenic
MW-12	9/24/98	0.66	nd	0.12	0.22	<u>0.098</u>	0.081	<u>0.22</u>	0.32	<u>0.15</u>	nd	--	0.56	nd	0.13	nd	nd	nd	0.15	0.45	--	<u>4.2</u>	--	--	--
	4/12/99	0.78	nd	0.28	0.66	<u>0.32</u>	0.38	<u>0.71</u>	0.63	<u>0.42</u>	nd	--	1.5	0.11	0.59	nd	nd	nd	0.58	1.1	--	--	--	--	
	7/20/99	nd	nd	0.64	2.5	<u>0.81</u>	1.4	<u>2.7</u>	2.6	<u>1.6</u>	nd	--	6	nd	1.4	nd	nd	nd	1.7	5.2	--	--	--	--	
MW-12D	9/24/98	nd	nd	nd	nd	nd	nd	nd	nd	nd	--	nd	nd	nd	nd	nd	nd	nd	nd	nd	--	nd	--	--	
MW-13D	9/24/98	nd	nd	nd	nd	nd	nd	nd	nd	nd	--	nd	nd	nd	nd	nd	nd	nd	nd	nd	--	nd	--	--	
DUPLICATES																									
MW-2SA	6/5/91	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	nd	170	<u>5.7</u>	nd
	6/25/93	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	--	--	<u>38</u>	nd	nd	--	nd	190	--	--
	7/21/93	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	--	--	<u>18</u>	nd	nd	--	<u>2.4</u>	160	--	--
MW-3DA	6/25/93	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	--	--	<u>38</u>	nd	nd	--	<u>2.4</u>	55	--	--
	7/21/93	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	--	--	nd	nd	nd	--	nd	100	--	--
<del>NR 140 ES</del>		ns	ns	<u>3,000</u>	ns	<u>0.2</u>	ns	<u>0.2</u>	ns	<u>0.2</u>	ns	ns	<u>400</u>	<u>400</u>	ns	ns	ns	<u>40</u>	ns	<u>250</u>	ns	<u>15</u>	<u>2,000</u>	<u>50</u>	<u>5</u>
NR 140 PAL		ns	ns	<u>600</u>	ns	<u>0.02</u>	ns	<u>0.02</u>	ns	<u>0.02</u>	ns	ns	<u>80</u>	<u>80</u>	ns	ns	ns	<u>8</u>	ns	<u>50</u>	ns	<u>1.5</u>	<u>400</u>	<u>5</u>	<u>0.5</u>

Notes:

Benzo(a)pyrene, Fluorene, Naphthalene, Lead, Barium, Arsenic, and Cadmium ES and PAL are WDNR NR 140 standards for groundwater quality.

ES = enforcement standard

PAL = preventive action limit

nd = compound not detected in analysis

-- = compound not analyzed for.

Samples exceeding the ES are shaded and samples exceeding the PAL are underlined.

Wells MW-3SR, MW-9R, MW-9D, MW-12, MW-12D, MW-13, and MW-13D were installed on 9/15-16/98.

MW-2SA is a duplicate of MW-2S.

MW-3DA is a duplicate of MW-3D.

1991-1993 data collected by Dames & Moore.

1996-1998 data collected by NRT.

by: dvp/jam  
 chkd by: jaz/jaz