

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 #: 1 **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 Plan**
 - 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 #: 7A **Title: Soil Exceeding RCL-Benzene**

BRRTS #: 03-28-001068

ACTIVITY NAME: Staude 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 #: 8 A **Title: Maximum Recorded Benzene Concentrations**

- 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 #: 4 L **Title: Groundwater 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 #: 4 **Title: Soil Analytical Results**

- 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 #: 5 **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 #: 3 **Title: Water Level Elevations**

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 #: 03-28-001068

ACTIVITY NAME: Staude 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.

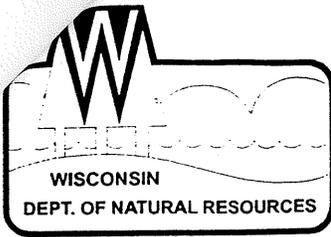
Note: Letters sent to off-source properties regarding residual contamination must contain standard provisions in Appendix A of ch. NR 726.

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

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

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

July 26, 1999

File Ref.: 03-28-001068

Mr. Tim Staude
109 East Green Street
Watertown, WI 53098

Subject: Closure, Staude Property, 1312 Wakoka Street, Watertown, WI 53094

Dear Mr. Staude:

On May 3, 1999, your site was reviewed for closure by the South Central Region Closure Committee. This committee reviews environmental remediation cases for compliance with state laws and standards to maintain consistency in the closure of these cases. On May 4, 1999, you were notified that the Closure Committee had granted conditional closure to this case.

On July 26, 1999 the Department received correspondence indicating that you have complied with the conditions of closure. The Department received documentation confirming that a groundwater use restriction and soil deed affidavit had been attached to the property deed. Documentation has also been received describing the abandonment of the monitoring wells on- and off-site. 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.

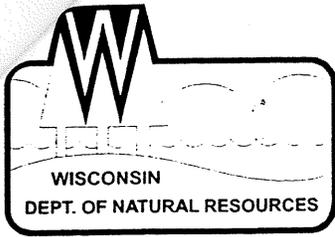
However, please be aware that this case may be reopened pursuant to s. NR 726.09, Wis. Adm. Code, if additional information regarding site conditions indicates that contamination on or from the site poses a threat to public health, safety or welfare, or the environment.

The Department appreciates your efforts to restore the environment at this site. If you have any questions regarding this letter, please contact me at the number below.

Sincerely,

Dino Tsoris, P.G.
Hydrogeologist
Remediation & Redevelopment Program
Telephone (608) 275-3299

Cc: Mr. Douglas Hallum, Stiles Environmental, Inc., W7694 Hwy. V, Lake Mills, WI 53551



State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

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

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

May 11, 1999

File Ref.: 03-28-001068

Mr. Tim Staude
109 East Green Street
Watertown, WI 53094

Subject: Conditional Closure, Staude Property, 1312 Wakoka Street, Watertown, WI 53094

Dear Mr. Staude:

On May 4, 1999, your request for closure of the above named site was reviewed by the South Central Region Closure Committee. This committee reviews environmental remediation cases for compliance with state laws and standards to maintain consistency in the closure of these cases. The contamination on the site property appears to have been remediated to the extent practicable under site conditions. Your case will be granted closure under s. NR 726.05, Wis. Adm. Code, when the following conditions have been met.

MONITORING WELL ABANDONMENT The monitoring wells at the site must be properly abandoned in compliance with ch. NR 141, Wis. Adm. Code. Documentation of well abandonment must be submitted to us on forms provided by the Department.

GROUNDWATER USE RESTRICTION The closure committee has required that a groundwater use restriction be prepared and recorded at the county register of deeds office to address the issue of remaining groundwater contamination associated with the site. The purpose of this document is to restrict the use of groundwater that may be contaminated in the vicinity of the site. A sample of a groundwater use restriction is attached.

To assist us in the preparation of the groundwater use restriction document, you must submit a copy of the property deed to me within 30 days of the date of this letter. This information will be used to prepare a draft groundwater use restriction that will be sent to you for review. If you approve of its content, you will sign it, have it recorded by the Jefferson County Register of Deeds, and submit a copy with the proof of filing to the Department.

The groundwater use restriction is an option that the Department can offer to you in order to close this site. If you choose not to accept this option, you may perform additional investigation and cleanup of the remaining contamination. Note that this additional work may not be eligible for reimbursement through the Petroleum Environmental Cleanup Fund Award (PECFA) Program. You should contact the Department of Commerce to determine eligibility of the additional work for reimbursement.

To assist us in the preparation of the deed restriction, you must submit a copy of the property deed to me within 30 days of the date of this letter. This information will be used to prepare a draft deed restriction

that will be sent to you for review. If you approve of its content, you will sign it, have it recorded by the Jefferson County Register of Deeds, and submit the signed-copy with the proof of filing to the Department.

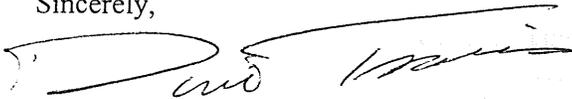
DEED AFFIDAVIT FOR CONTAMINATED SOIL The closure committee has required that a deed affidavit be prepared and filed to address the issue of the remaining soil contamination associated with the site. The purpose of the affidavit is to notify all future owners that excavation of the contaminated soil may pose an inhalation or other direct contact hazard at the time of excavation. The affidavit language will be added to the groundwater use restriction.

When the above conditions have been met, a final case closure letter will be sent to you.

Please be aware that the site 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 sites 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 listed above or as indicated below.

Sincerely,



Dino Tsoris, P.G.
Hydrogeologist
Remediation & Redevelopment Program
Telephone: (608) 275-3299

Cc: Mr. Douglas Hallum, Stiles Environmental, Inc., W7694 Hwy. V, Lake Mills, WI 53551

1021215

Document Number

GROUNDWATER USE RESTRICTION

VOL 1110 PAGE 199

12:50

Declaration of Restrictions

Legal Description of the Property: In re:

Lots 11 and 12 in Block 4 of Pritchard's First Addition to the City of Watertown, according to the recorded plat of said addition in the city of Watertown, Jefferson County, Wisconsin.

RECEIVED FOR RECORD
at 12:50 o'clock P. M

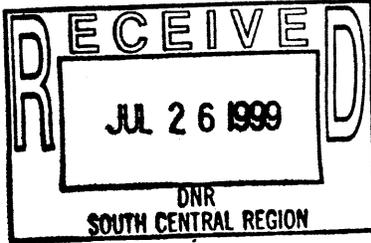
JUN 30 1999
[Signature]
Register of Deeds
Jefferson County, WI

Recording Area

Name and Return Address

Timothy H or Jayne E Staude
109 E Green Street
Watertown, WI 53098

STATE OF WISCONSIN)
) ss
COUNTY OF JEFFERSON)



28-291-3132-0001

Parcel Identification Number (PIN)

WHEREAS, Timothy H. Staude and Jayne E. Staude are the owners of the above-described property.

WHEREAS, one or more petroleum discharges have occurred at this property. Volatile organic compound contaminated groundwater above NR 140 enforcement standards exists on this property at the following location(s): MW-10 and MW-11 benzene concentrations remain at 1100 and 47 ug/L, respectively; MW-10 ethylbenzene at 1200 ug/L; MW-10 xylenes at 1900 ug/L and soil contamination exists at the following locations: on the eastern property line (soil sample S7, S8, S9 and S10) and along the southeast portion of the property S14, S17 and S18. Location of monitoring wells and borings are provided on Figure 7A and concentrations of residual contamination are provided in Table 4 attached and made part of this restriction.

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.

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 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.

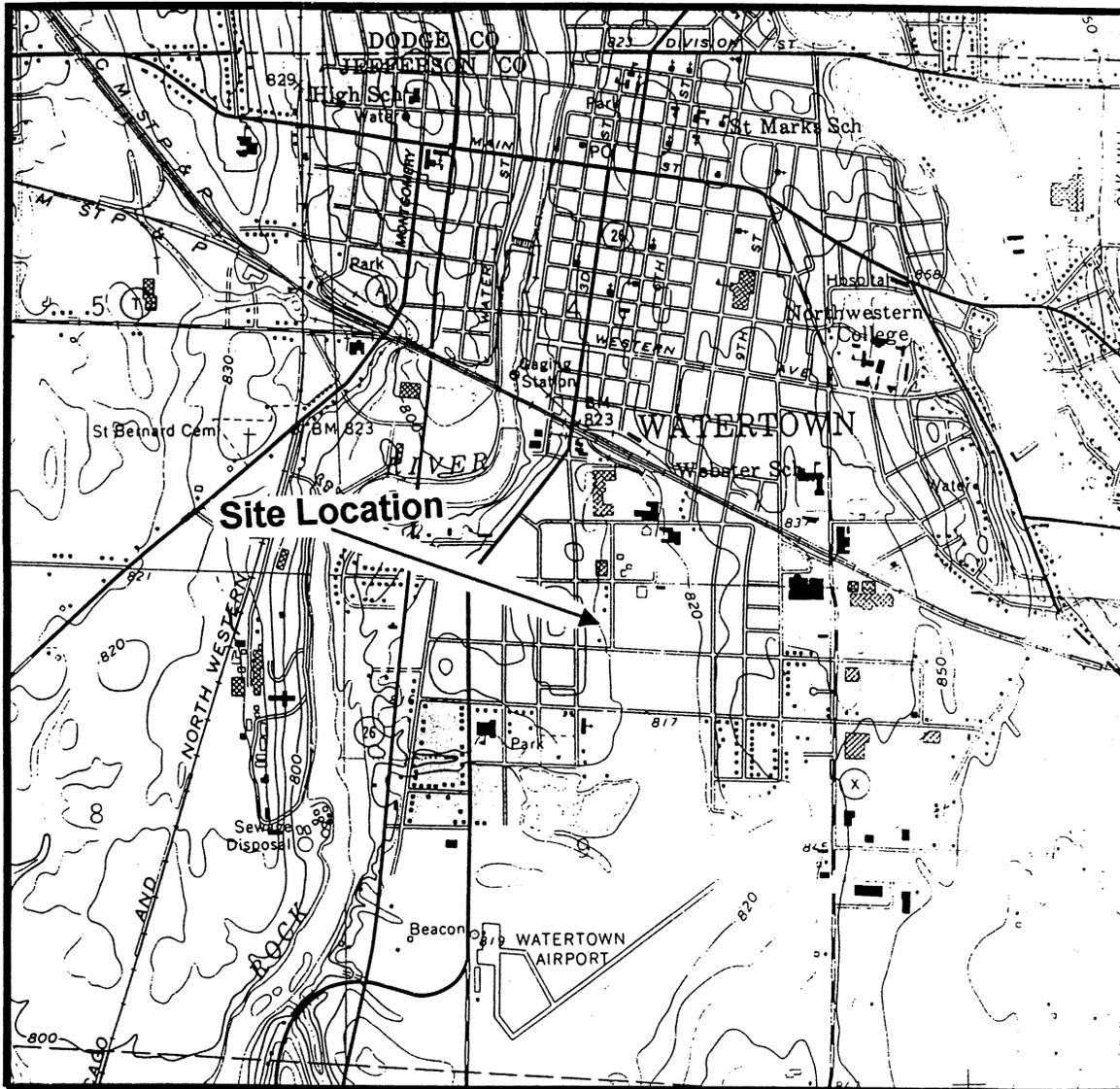
IN WITNESS WHEREOF, the owner of the property has executed this Declaration of Restrictions, this 30th day of JUNE, 1999.

Signature: [Handwritten Signature]
Printed Name: JAYNE E. STAUDE

Signature: [Handwritten Signature] SR
Printed Name: Timothy H. Staude SR

Subscribed and sworn to before me
this 30th day of June, 1999
[Handwritten Signature]
Notary Public, State of WI
My commission 4-9-2000

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



SCALE 1:24000

7.5 Min Topographic Map
 Watertown, Wisconsin
 1959



FIGURE 1 SITE LOCATION MAP

Tim Staude Property
 1312 Wakoka Street
 Watertown, Wisconsin

STILES

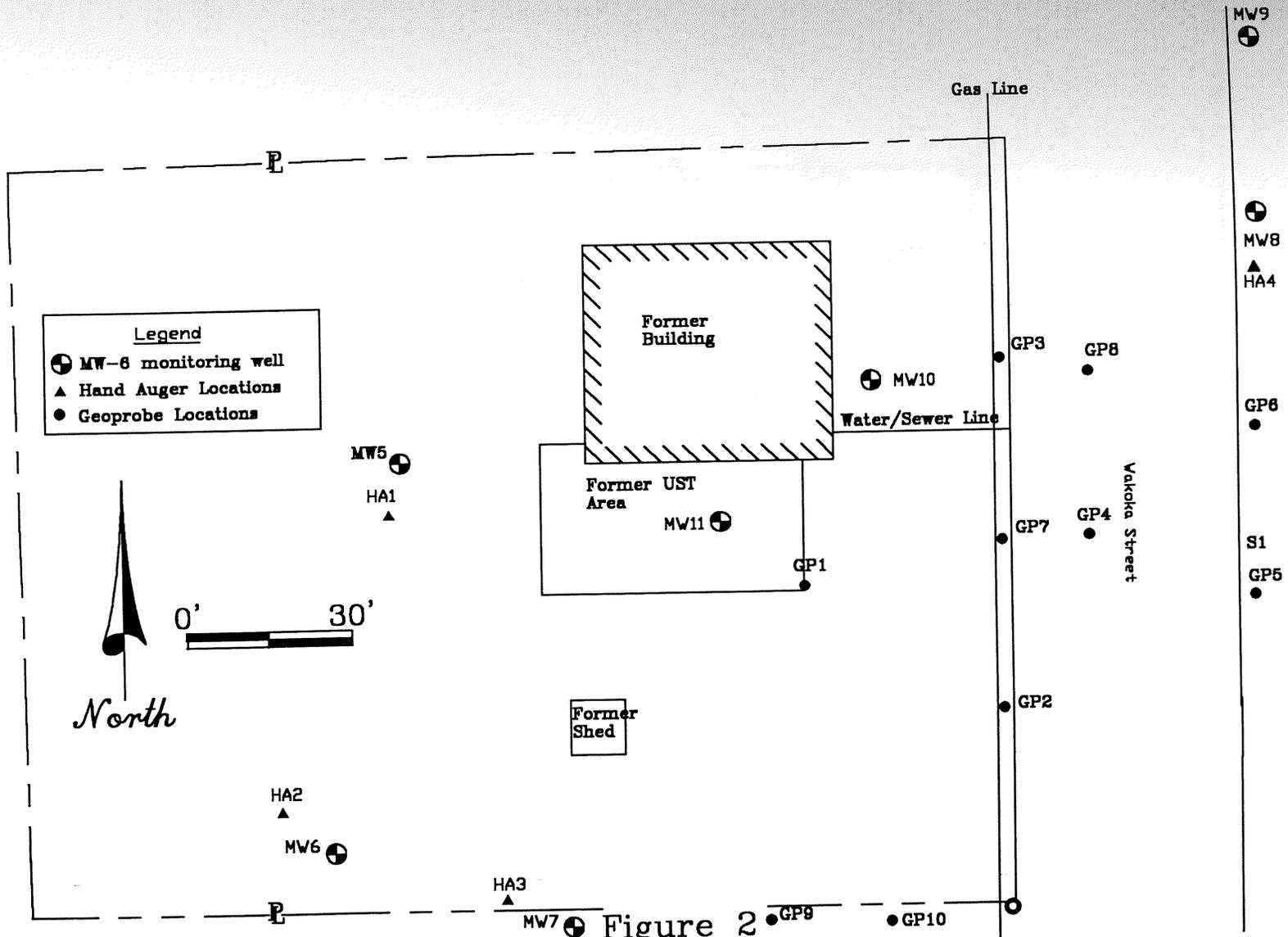


Figure 2
 Site Plan
 Tim Staude Property
 Watertown, Wisconsin

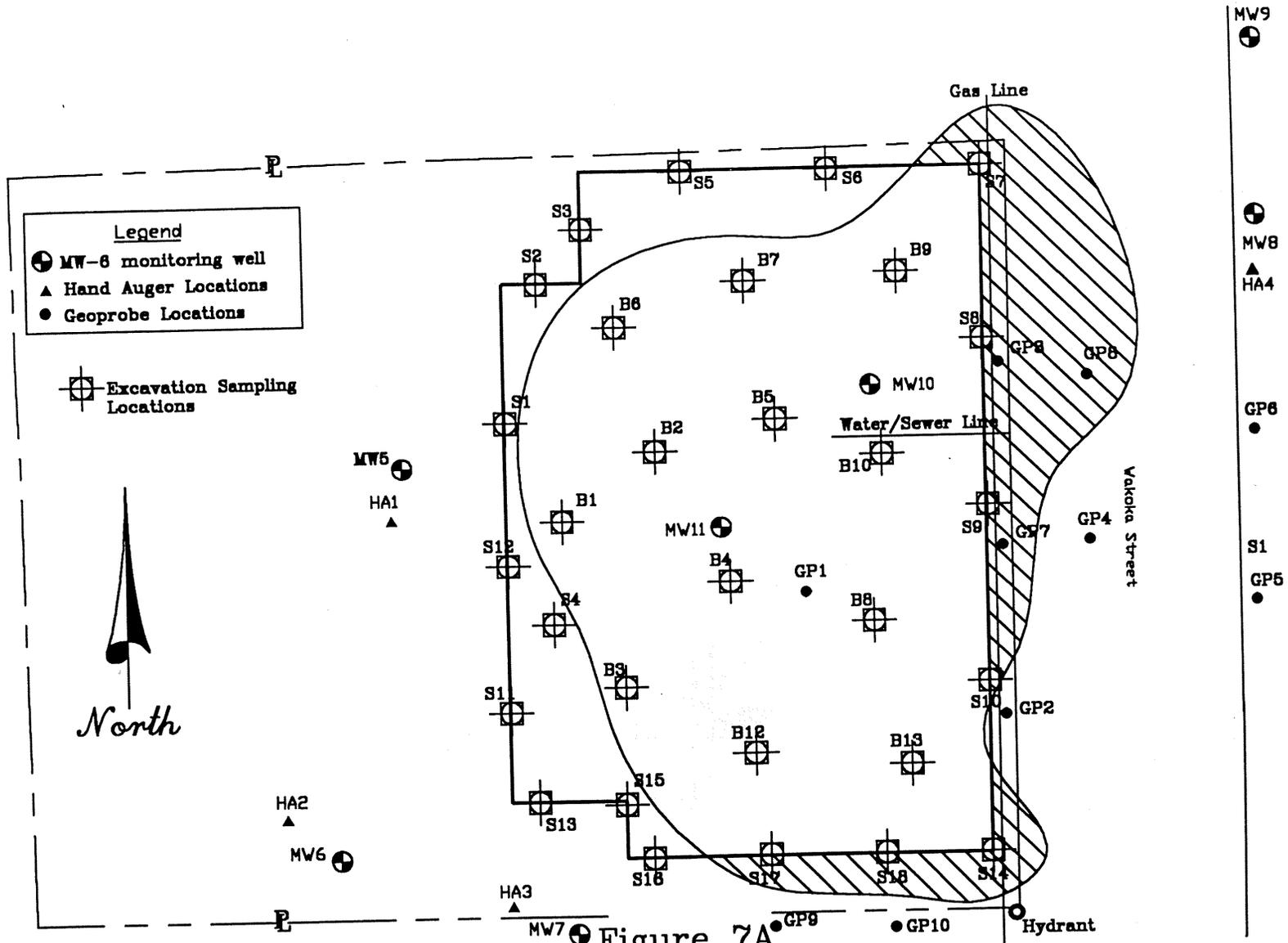


Figure 7A
 Soil Exceeding RCL-Benzene
 Tim Staude Property
 Watertown, Wisconsin

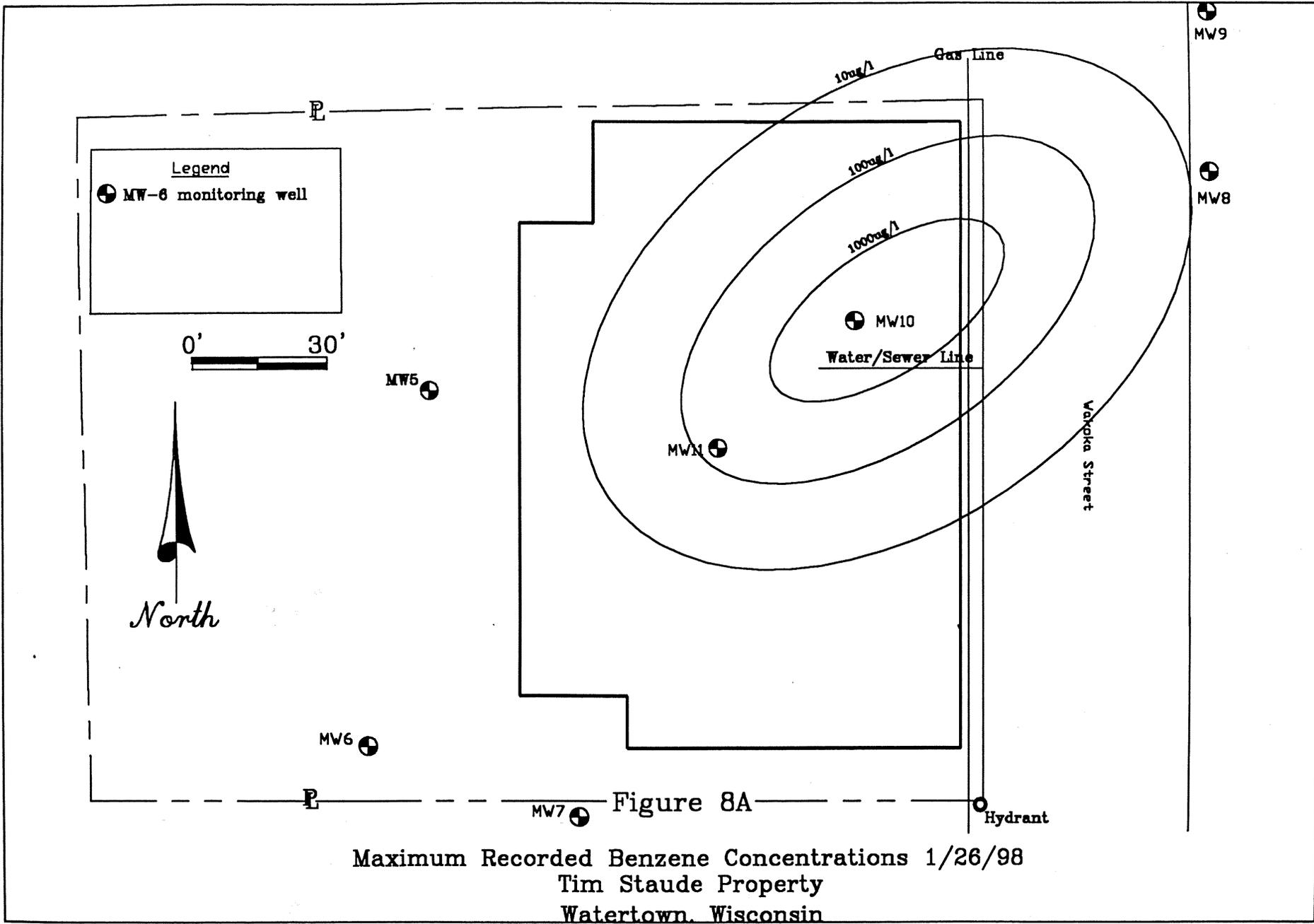
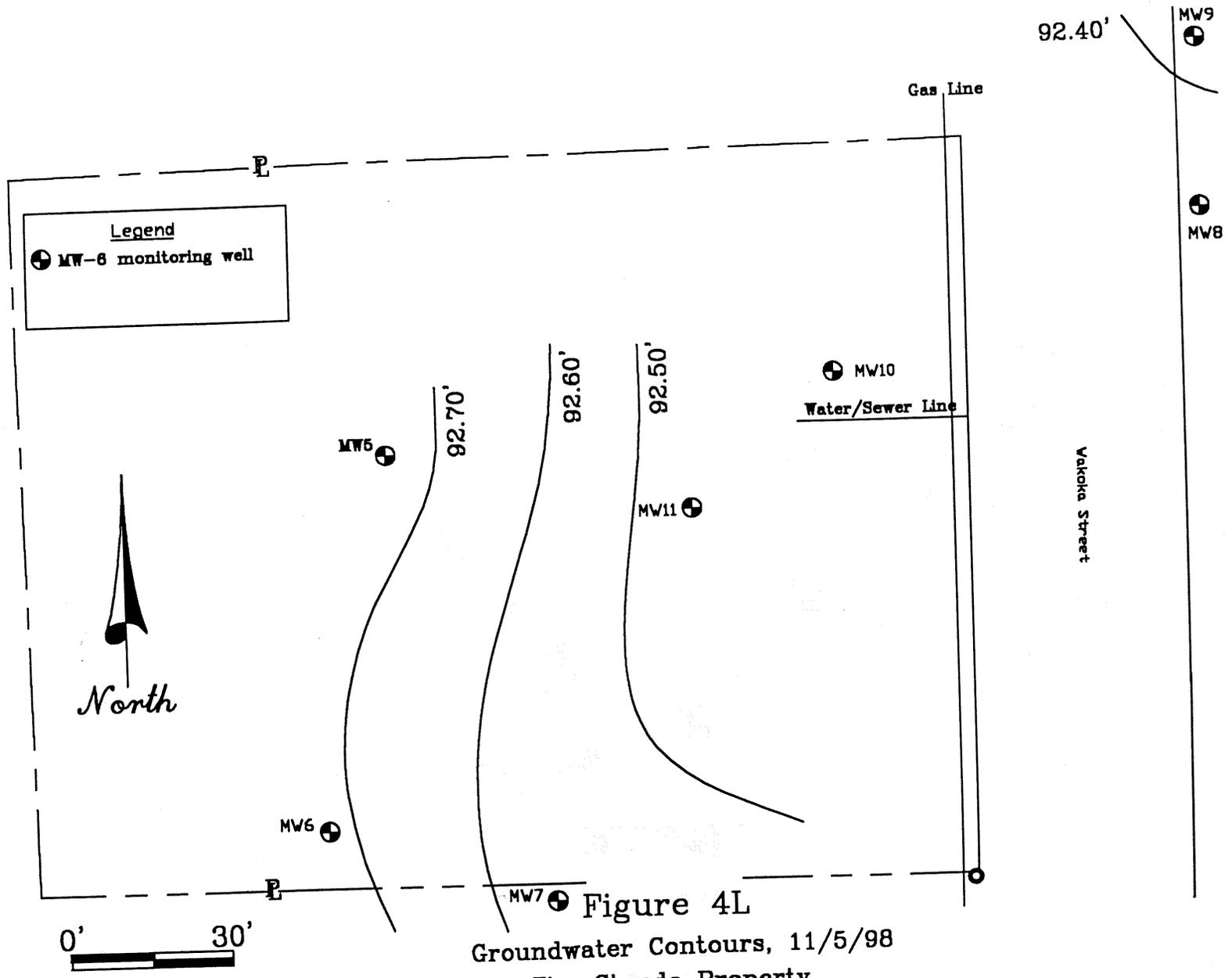


Figure 8A
 Maximum Recorded Benzene Concentrations 1/26/98
 Tim Staude Property
 Watertown, Wisconsin



Legend
 ⊕ MW-8 monitoring well



0' 30'

Figure 4L
 Groundwater Contours, 11/5/98
 Tim Staude Property
 Watertown, Wisconsin

Table 4
Soil Analytical Results
Stade Property
Watertown, Wisconsin

Sample ID	Date	Depth Feet	Lead mg/kg	Benzene ug/kg	Ethyl-benzene ug/kg	MTBE ug/kg	Toluene ug/kg	1,2,4-trimethyl-benzene ug/kg	1,3,5-trimethyl-benzene ug/kg	Xylenes ug/kg	GRO mg/kg
B1-6	11/17/93	6		3000	<2500	<2500	3600	48000	18000	<7500	950
B2-6	11/17/93	6		4500	960	<500	<500	8600	3900	780	230
B3-6	11/17/93	6		7100	43000	<2500	81000	85000	22000	210000	1700
B4-5	11/17/93	5		5900	31000	<2500	18000	130000	35000	200000	2000
HB1-S	7/11/94	3 to 4		<100	<100	<100	<100	<100	<100	<300	5.6
HB2-S	7/11/94	3 to 4		<100	<100	<100	<100	<100	<100	<300	<5.0
MW5-S2	7/18/94			<50	<50	<50	<50	<50	<50	<150	<5.0
MW6-S2	7/18/94			<50	<50	<50	<50	<50	<50	<150	<5.0
MW7-S1	7/18/94			<50	<50	<50	<50	<50	<50	<150	<5.0
MW8-S1	7/18/94			<50	<50	<50	<50	<50	<50	<150	<5.0
S-1	10/15/96		160								
S1	12/2/96	3 to 5	6.1	<11	<28	<28	42	66	33	124	<5.6
S2	12/2/96	3 to 5	14	<12	<30	<30	<30	<30	<30	<91	<6.1
S3	12/2/96	3 to 5	8.7	<11	<26	<26	<26	41	<26	<80	<5.3
S4	12/2/96	3 to 5	19	<12	<30	<30	<30	31	<30	<90	<6.0
T1	12/2/96	NA		7180	93700	<30	224000	230000	74200	580000	5110
T2	12/2/96	NA		2270	56200	<1300	75600	104000	34600	270000	2700
T3	12/2/96	NA		754	27600	<531	47800	584000	19100	146000	1280
B1	12/2/96	5	6.8	<566	122000	<1470	<1470	313000	103000	707000	7240
B2	12/2/96	5	9.8	<600	44400	<1560	30000	94700	30000	288000	2160
B3	12/2/96	5	7.1	1960	51100	<1410	66300	94600	30400	246000	2280
B4	12/2/96	5	<4.7	<588	47000	<1410	81100	77600	22300	256000	1410
B5	12/2/96	5	7.2	650	22400	<1280	40500	46800	16000	118000	1010
S5	12/3/96	3 to 5	6.3	<11	<27	<27	<27	<27	<27	<82	<5.5
S6	12/3/96	3 to 5	9.6	<11	<27	<27	<27	<27	<27	<81	<5.4
S7	12/3/96	3 to 5	<4.3	369	30400	<1400	23900	77000	26000	167000	1410
S8	12/3/96	3 to 5	<4.6	387	18200	<560	2730	376000	12500	91100	1020
S9	12/3/96	3 to 5	11	55500	188000	<5600	608000	327000	108000	934000	9290
S10	12/3/96	3 to 5	<4.5	15600	51300	<28	175000	85900	27900	259000	2230
S11	12/3/96	3 to 5	<4.3	<11	<27	<27	29	31	<27	<80	<5.3
S12	12/3/96	3 to 5	<4.3	<11	<27	<27	28	52	<27	<80	<5.4
S13	12/3/96	3 to 5	<4.3	<11	<27	<27	<27	<27	<27	<80	<5.3
T4	12/3/96	NA	6.5	1150	45000	<1400	45000	87800	31200	210000	2190
T5	12/3/96	NA	6.8	33400	102000	<1390	312000	177000	54600	474000	4790
RCL	----	----	50	5.5	2900	NS	1500	NS	NS	4100	100

STILES

Table 4
Soil Analytical Results
Staude Property
Watertown, Wisconsin

Sample ID	Date	Depth Feet	Lead mg/kg	Benzene ug/kg	Ethyl-benzene ug/kg	MTBE ug/kg	Toluene ug/kg	1,2,4-trimethyl-benzene ug/kg	1,3,5-trimethyl-benzene ug/kg	Xylenes ug/kg	GRO mg/kg
B6	12/3/96	5	8.7	7270	183000	<2900	522000	319000	107000	891000	9260
B7	12/3/96	5	<4.8	15800	86100	<3030	218000	160000	58200	413000	4480
B8	12/3/96	5	12	4450	110000	<2800	293000	204000	69000	552000	5570
B9	12/3/96	5	5.1	1500	1270	<29	1390	2550	1030	6710	59
B10	12/3/96	5	7.1	12200	56000	<6000	191000	91400	31700	280000	2440
S14	12/4/96	3 to 5	8.5	3230	8540	<1500	30000	19600	5420	47300	404
S15	12/4/96	3 to 5	11	<11	<27	<27	<27	46	<27	<80	<5.4
S16	12/4/96	3 to 5	12	<11	47	<27	53	100	97	172	<5.4
S17	12/4/96	3 to 5	10	<5680	152000	<2800	256000	297000	101000	715000	7380
S18	12/4/96	3 to 5	5.6	<9150	69800	<2900	129000	136000	48000	341000	3660
T6	12/4/96	NA		<550	64900	<1480	46700	124000	37600	380000	2390
T7	12/4/96	NA		3600	127000	<2800	222000	246000	80900	613000	5170
B12	12/4/96	5	8.3	<1100	84200	<2800	52700	163000	50500	496000	2690
B13	12/4/96	5	5.2	<1100	89000	<2800	145000	178000	59400	413000	3770
GP2	5/9/97	1 to 3		<11	<29	<29	<29	<29	<29	<87	<5.8
GP3	5/9/97	1 to 3		121000	374000	<40800 M	1310000	561000	160000	1750000	12400
GP4	5/9/97	1 to 3		<11	<28	<28	<28	<28	<28	<85	<5.6
GP5	5/9/97	1 to 3		<12	<31	<31	<31	<31	<31	<93	<6.2
GP6	5/9/97	1 to 3		<17	<42	<42	<42	<42	<42	<120	<8.4
GP7	5/9/97	1 to 3		18	<28	<28	<28	87	<28	<83	<5.5
GP8	5/9/97	1 to 3		98400	363000	<56200 M	1130000	606000	179000	1670000	15500
GP9	5/9/97	1 to 3		<12	<30	<30	<30	<30	<30	<91	<6.1
GP10	5/9/97	1 to 3		<12	<29	<29	<29	<29	<29	<88	<5.9
RCL	----	----	50	5.5	2900	NS	1500	NS	NS	4100	100

M=Matrix interference

T=Truck Samples B=Bottom Samples

ug/kg=micrograms per kilogram

mg/kg=milligrams per kilogram

MTBE=Methyl tertiary butyl ether

GRO=Gasoline Range Organics

RCL=NR 720 Residual Contaminant Levels

<=Below lab detection limits

NS=No standards available

Shaded cells indicate exceedances of NR 720 RCLs

STILES

Table 5
Groundwater Analytical Results
Tim Staude Property
Watertown, Wisconsin

Parameter	Date	MW-1	MW-2	MW-3	MW-4	MW-5	MW-6	MW-7	MW-8	MW-9	MW-10	MW-11	GPI/5	GPI/10	ES	PAL
Benzene	11/18/93	1.3	2.8	520	1000										5	0.5
	11/23/93	<1.0	<1.0	310	1300											
	8/23/94					<1.0	<1.0	<1.0	55							
	10/7/94					<1.0	<1.0	<1.0	110							
	7/17/95									<1.0						
	7/25/95									2.2						
	4/18/97					<0.13	<0.13	<0.13	<0.13	<0.13						
	5/15/97					<0.13							4000	270		
	6/19/97											2600	97			
	7/29/97										1500	80				
	10/7/97					<0.16	0.28		<0.16	<0.16	1300	63				
	1/26/98					<0.16	<0.16	<0.16	<0.16	<0.16	2800	36				
	4/13/98					<0.26	<0.26	<0.26	<0.26	<0.26	1600	30				
	7/20/98					<0.26	<0.26	<0.26	<0.26	<0.26	1300	72				
	11/5/98					<13	<13		<13	<13	1100	47				
Ethylbenzene	11/18/93	47	1.1	3500	2000										700	140
	11/23/93	8.1	<1.0	2700	1100											
	8/23/94					<1.0	<1.0	<1.0	30							
	10/7/94					<1.0	<1.0	<1.0	54							
	7/17/95									<1.0						
	7/25/95									<1.0						
	4/18/97					0.22	<0.22	<0.22	<0.22	<0.22						
	5/15/97					<0.22							2900	420		
	6/19/97											1800	160			
	7/29/97										920	100				
	10/7/97					<0.29	1		<0.29	<0.29	640	190				
	1/26/98					<0.29	<0.29	<0.24	<0.29	<0.29	1400	180				
	4/13/98					<0.24	<0.24	<0.24	<0.24	<0.24	1200	28				
	7/20/98					<0.24	<0.24	<0.24	<0.24	<0.24	1700	130				
	11/5/98					<22	<22		<22	<22	1200	110				
Toluene	11/18/93	22	4.9	20000	950										343	68.6
	11/23/93	1.7	6.6	5800	650											
	8/23/94					<1.0	<1.0	<1.0	1.3							
	10/7/94					<1.0	<1.0	<1.0	<1.0							
	7/17/95									<1.0						
	7/25/95									<1.0						
	4/18/97					0.66	<0.20	<0.20	<0.20	<0.20						
	5/15/97					<0.20							19000	920		
	6/19/97											1800	140			
	7/29/97										250	36				
	10/7/97					<0.36	1.6		<0.36	<0.36	110	15				
	1/26/98					<0.36	<0.36	<0.36	<0.36	<0.36	1100	43				
	4/13/98					<0.21	<0.21	<0.21	<0.21	<0.21	1400	3.1				
	7/20/98					<0.21	<0.21	<0.21	<0.21	<0.21	120	5.8				
	11/5/98					<20	<20		<20	<20	110	9.6				
Xylenes	11/18/93	270	<3.0	19000	14000										620	124
	11/23/93	63	<3.0	14000	11000											
	8/23/94					<3.0	<3.0	<3.0	13							
	10/7/94					<3.0	<3.0	<3.0	<3.0							
	7/17/95									<1.0						
	7/25/95									<1.0						
	4/18/97					0.9	<0.23	<0.23	<0.23	<0.23						
	5/15/97					<0.23							16000	2000		
	6/19/97											3500	710			
	7/29/97										2700	260				
	10/7/97					2.3	9.1		<1.15	<1.15	1455	373				
	1/26/98					<1.15	<1.15	<1.15	<1.15	<1.15	3430	378				
	4/13/98					<1.34	<1.34	<1.34	<1.34	<1.34	3290	107.2				
	7/20/98					<1.34	<1.34		<1.34	<1.34	3780	204				
	11/5/98					<23	<23		<23	<23	1900	210				

Table 5
Groundwater Analytical Results
Tim Staude Property
Watertown, Wisconsin

Parameter	Date	MW-1	MW-2	MW-3	MW-4	MW-5	MW-6	MW-7	MW-8	MW-9	MW-10	MW-11	GPI/5	GPI/10	ES	PAL
1,2,4-T	11/18/93	2300	150	2500	2600										NS	NS
	11/23/93	1500	<3.0	1900	2400											
	8/23/94					<1.0	<1.0	<1.0	1.8							
	10/7/94					<1.0	<1.0	<1.0	1.2							
	7/17/95															
	7/25/95										<1.0					
	4/18/97					0.42	<0.22	<0.22	<0.22	<0.22	<1.0					
	5/15/97					<0.22										
	6/19/97												2400	460		
	7/29/97										760	150				
	10/7/97					1.3	4.9				500	51				
	1/26/98					<0.30	<0.30	<0.30	<0.30	<0.30	350	59				
	4/13/98					<0.86	<0.86	<0.86	<0.86	<0.86	740	82				
	7/20/98					<0.86	<0.86		<0.86	<0.86	680	42				
11/5/98					<0.86	<0.86		<0.86	<0.86	1000	90					
11/18/93	710	54	520	580										NS	NS	
11/23/93	640	27	530	760												
8/23/94					<1.0	<1.0	<1.0	<1.0								
10/7/94					<1.0	<1.0	<1.0	1.5								
7/17/95																
7/25/95										<1.0						
4/18/97										<1.0						
5/15/97					<0.29	<0.29	<0.29	<0.29	<0.29							
6/19/97					<0.29							550	110			
7/29/97											180	39				
10/7/97					0.61	2.1			<0.34	<0.34	130	18				
1/26/98					<0.34	<0.34	<0.34	<0.34	<0.34	95	19					
4/13/98					<0.54	<0.54	<0.54	<0.54	<0.54	170	15					
7/20/98					<0.54	<0.54		<0.54	<0.54	160	11					
11/5/98					<0.54	<0.54		<0.54	<0.54	190	16					
11/18/93	9800	1300	53000	27000										NS	NS	
11/23/93	11000	880	45000	31000												
8/23/94					<50	<50	<50	250								
10/7/94					<50	<50	<50	440								
7/17/95										<100						
7/25/95										<100						
4/18/97					<50	<50	<50	<50	<50							
5/15/97					<50											
6/19/97					<50							79000	8800			
7/29/97											17000	2100				
10/7/97											9800	1100				
1/26/98					<50	<50		<50	<50	6400	1300					
4/13/98					<50	<50	<50	<50	<50	15000	1600					
7/20/98					<50	<50		<50	<50	13000	650					
11/5/98					<50	<50		<50	<50	13000	1600					
Napthalen	11/23/93	35	<1.0	440	540										40	12
	8/23/94					<1.0	<1.0	<1.0	<1.0							
Lead	11/23/93	<5.0	<5.0	34	6.6										15	1.5
	10/7/94					<1.5	<1.5	<1.5	<1.5							
	7/25/95															
Iron	10/7/97				1400					<2.0					NS	NS
	1/26/98				12000					16000	5500	2400				
	11/5/98				770					6700	76000	16000				
Sulphates	10/7/97				95000					3700	11000	9400			NS	NS
	1/26/98				73000					39000	34000	86000				
	11/5/98				97000					52000	49000	35000				
Nitrates	10/7/97				43					69000	36000	94000			10000	2000
	1/26/98				83					1400	94	29				
	11/5/98				56					410	300	320				
										210	140	560				

All units are in ug/l
 MW=Monitoring well
 GRO=Gasoline range organics
 ES=NR 140 Enforcement Standards
 PAL=NR 140 Preventive Action Limits
 NA=Not Analyzed
 NS=No standards
 Shaded cells indicate exceedances of NR 140 ES
 1,2,4-T=1,2,4-Trimethylbenzene

Table 3
Water Level Measurements
Tim Staude Property
Watertown, Wisconsin

Date	MW-1	MW-2	MW-3	MW-4	MW-5	MW-6	MW-7	MW-8	MW-9	MW-10	MW-11
	Water Level Below TOC										
Survey	100.27	100.61	100.00	100.01							
Survey	100.25	100.56	100.00	99.95	100.99	101.07	100.31	99.67			
Survey	NA	NA	NA	NA	101.99	101.83	101.06	100.47	99.18	99.40	99.51
11/18/93	7.70	7.89	7.39	7.44							
11/23/93	7.80	8.05	8.05	7.49							
3/21/94	6.68	6.85	6.42	6.39							
3/28/94	6.70	6.94	6.49	6.47							
7/11/94	6.36	6.65	6.18	6.12							
8/23/94	7.85	7.12	6.64	6.60	7.55	7.48	6.92	6.41			
10/7/94	7.84	8.10	7.58	7.55	8.56	8.52	7.74	7.35			
10/27/94	8.18	8.47	7.95	7.90	7.91	8.88	8.20	7.68			
4/18/97					7.42	7.18	6.82	6.49	5.24		
6/5/97					7.52	7.27	6.93	6.60	5.35		
6/19/97					6.99	6.78	6.32	6.04	4.74	5.53	5.64
7/29/97					7.61	7.34	6.99	6.63	5.37	5.45	5.54
10/7/97					8.88	8.65	8.11	7.74	6.47	6.58	6.68
1/26/98					8.93	8.67	8.12	7.48	7.48	6.61	6.72
4/13/98					6.88	6.52	6.55	6.23	4.94	5.03	5.06
7/20/98					8.44	8.17	7.74	7.34	6.08	6.18	6.29
11/5/98					9.27	9.12	8.51	8.03	6.79	6.91	7.05

BMP = Below measuring point

M.P. = Measuring Point - top of PVC casing based on arbitrary benchmark

Note: Arbitrary benchmark of 100 feet set at top nut of Main Street fire hydrant

STILES

Table 3
Water Level Measurements
Tim Staude Property
Watertown, Wisconsin

Date	MW-1	MW-2	MW-3	MW-4	MW-5	MW-6	MW-7	MW-8	MW-9	MW-10	MW-11
	Water Level (Elevation)										
11/18/93	92.57	92.72	92.61	92.57							
11/23/93	92.47	92.56	91.95	92.52							
3/21/94	93.59	93.76	93.58	93.62							
3/28/94	93.57	93.67	93.51	93.54							
7/11/94	93.91	93.96	93.82	93.89							
8/23/94	92.40	93.44	93.36	93.35	93.44	93.59	93.39	93.26			
10/7/94	92.41	92.46	92.42	92.40	92.43	92.55	92.57	92.32			
10/27/94	92.07	92.09	92.05	92.05	93.08	92.19	92.11	91.99			
4/18/97					94.57	94.65	94.235	93.979	93.936		
6/5/97					94.47	94.56	94.125	93.869	93.826		
6/19/97					95.00	95.05	94.735	94.429	94.436	93.872	93.87
7/29/97					94.38	94.49	94.065	93.839	93.806	93.952	93.97
10/7/97					93.11	93.18	92.945	92.729	92.706	92.822	92.83
1/26/98					93.06	93.16	92.935	92.989	91.696	92.792	92.79
4/13/98					95.11	95.31	94.505	94.239	94.236	94.372	94.45
7/20/98					93.55	93.66	93.315	93.129	93.096	93.222	93.22
11/5/98					92.72	92.71	92.545	92.439	92.386	92.492	92.46

STILES