

# GIS REGISTRY

## Cover Sheet

May, 2009  
(RR 5367)

### Source Property Information

BRRTS #: 03-59-000276

ACTIVITY NAME: CARLSON PROPERTY

PROPERTY ADDRESS: W444 CARLSON LN

MUNICIPALITY: GREEN VALLY TN

PARCEL ID #: 020133300000, 020133300010 per on-line parcel map on Nov 17, 2009

CLOSURE DATE: Apr 6, 1998

FID #:

DATCP #:

COMM #: 54127999944

#### \*WTM COORDINATES:

X: 657038 Y: 483303

*\* 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)

**REVISED**  
4:05 pm, Dec 01, 2009

### 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:

N/A (Not Applicable)

Soil: maintain industrial zoning (220)

*(note: soil contamination concentrations  
between non-industrial and industrial levels)*

Structural Impediment (224)

Site Specific Condition (228)

Cover or Barrier (222)

*(note: maintenance plan for  
groundwater or direct contact)*

Vapor Mitigation (226)

Maintain Liability Exemption (230)

*(note: local government or economic  
development corporation)*

### Monitoring Wells:

Are all monitoring wells properly abandoned per NR 141? (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 #: 03-59-000276 PARCEL ID #: 020133300000, 020133300010 per on-line parcel map

ACTIVITY NAME: CARLSON PROPERTY WTM COORDINATES: X: 657038 Y: 483303

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

- Closure Letter** with Groundwater Use Restriction
- 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 #: na**                      **Title: Green Valley - T.27N.-R.18E.**
- 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 #: 6**                      **Title: Groundwater Elevation Map (7/8/96)**
- 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 #: 3, 4**                      **Title: Extent of Remedial Excavation ... Sample Locations, Landspread Area ... Sample Locations**

BRRTS #: 03-59-000276

ACTIVITY NAME: CARLSON 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 #: 5**                      **Title: Geologic Cross-Section A-A'**

**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 #: 2**                      **Title: Isoconcentration Map for Benzene In Groundwater**

- 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 #: 6**                      **Title: Groundwater Elevation Map (7/8/96)**

**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 #: 2 & 3**                      **Title: Soil Analytical Results, Post-Remedial Landspreading Soil Sample 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 #: 1**                      **Title: Ground-Water Contaminant Chemistry Table**

- 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 #: 03-59-000276

ACTIVITY NAME: CARLSON PROPERTY

## NOTIFICATIONS

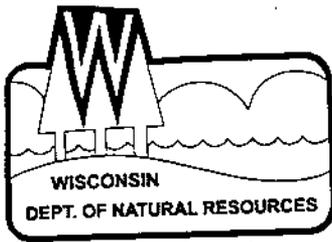
### Source Property

- 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  
Ronald W. Kazmierczak, Regional Director

Shawano Office  
647 Lakeland Rd.  
Shawano, Wisconsin 54166-3843  
Telephone 715-524-2183  
FAX 715-524-3214

August 24, 2000

Mark M. and Grace Blaser  
W444 Carlson Lane  
Oconto Falls, WI 54154

POST  
CLOSURE

Subject: Shawano County Register of Deeds  
Document Number 504148  
Volume 876, pages 572, 573, 574 and 575  
Groundwater Use Restriction

Dear Mr. and Mrs. Blaser:

You have requested that the restrictions in the above document be removed from a portion of the property described in that document. The original document was filed by the former owner, Carl Carlson, as a condition of case closure for DNR Case # 03-59-000276. The restrictions originally filed refer to property described as follows:

South half of the Southwest quarter (S ½ of SW ¼) of Section Thirteen (13), Township Twenty Seven (27) North, Range Eighteen (18) East, Shawano County, Wisconsin.

These restrictions were filed as document number 50148, Shawano County Register of Deeds.

On April 27, 2000 the Department extinguished the restrictions on a portion of the property described as:

Southeast quarter of the Southwest quarter (SE ¼ of SW ¼) of Section Thirteen (13), Township Twenty Seven (27) North, Range Eighteen (18) East, Shawano County, Wisconsin. (Tax Parcel # 020-13340-0000).

The extinguishing of the restrictions for the above parcel were recorded at the Shawano County register of deeds office in Volume 941, pages 849 through 855, document number 532237 on May 19, 2000.

At this time you are requesting that restrictions for a portion of the parcel described as:

Southwest quarter of the Southwest quarter (SW ¼ of SW ¼) of Section Thirteen (13), Township Twenty Seven (27) North, Range Eighteen (18) East, Shawano County, Wisconsin. (Tax Parcel # 020-13330-0000).

Specifically you are requesting that the restrictions currently in effect on Parcel A, indicated on Attachment 1 and described on Attachment 3, be extinguished.

Based on a review of the information in the case file, the Department is extinguishing the restrictions originally contained in document number 504148, Shawano County Register of Deeds, for that portion, and only that portion described as follows:

**Parcel A indicated on Attachment 1 and described in Attachment 2.**

All restrictions described in document number 504148 for that portion described as Parcel B on Attachment 1 and 3 are still in effect.

This letter and attachments along with an affidavit equivalent to the enclosed draft, must be completed and filed by the property owner of Parcel A at the Shawano County Register of Deeds. A copy of the filed documents, indicating document number, volume and page must be submitted to this office within 30 days in order to remain effective.

Please contact me at 715-526-4230 if you have any questions.

Sincerely,



Tom Sturm

Hydrogeologist

Remediation and Redevelopment Program

Email: [sturmt@dnr.state.wi.us](mailto:sturmt@dnr.state.wi.us)



KIM PRITZLAFF, RLS  
"JESS" SMITH, RLS  
PAUL SHALLOW, RLS



**aaron  
associales**  
Registered Wisconsin Land Surveyors

5830 DONEGAL LANE  
OCONTO FALLS, WI 54154  
920-846-8264

POST  
CLOSURE

### LEGAL DESCRIPTION FOR PARCEL B

A parcel of land located in the Southwest quarter of the Southwest quarter of Section 13, Township 27 North Range 18 East, Town of Green Valley, Shawano County, Wisconsin, described as follows:

**COMMENCING** at the Southwest corner of said Section 13;

Thence North 00 degrees 33 minutes 04 seconds East along the west line of said Section 13, a distance of 381.73 feet;

Thence South 89 degrees 32 minutes 39 seconds East, a distance of 1284.04 feet to a 1" iron pipe on the east sixteenth line;

Thence South 00 degrees 46 minutes 17 seconds West along said sixteenth line, a distance of 381.73 feet to the West sixteenth corner;

Thence North 89 degrees 32 minutes 39 seconds West along the south line of said Section 13, a distance of 1282.57' to the **POINT OF COMMENCEMENT**... excluding the southerly and westerly 33 feet thereof for roadway purposes along Carlson Lane and Green Valley Road;

Together with and subject to any easements, covenants, and restrictions of record.

Said parcel contains 11.246 acres of land more or less to the section lines, and 10.010 acres of land more or less to the road right-of-ways.



**LEGAL DESCRIPTION FOR PARCEL A**

A parcel of land located in the Southwest quarter of the Southwest quarter of Section 13, Township 27 North Range 18 East, Town of Green Valley, Shawano County, Wisconsin, described as follows:

**COMMENCING** at the Southwest corner of said Section 13;

Thence North 00 degrees 33 minutes 04 seconds East along the west line of said Section 13, a distance of 381.73 feet, to the **POINT OF BEGINNING**;

Thence continuing North 00 degrees 33 minutes 04 seconds East along the west line of said Section 13, a distance of 924.32 feet to the south sixteenth corner;

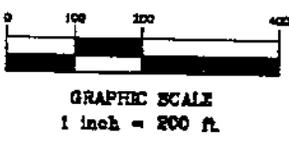
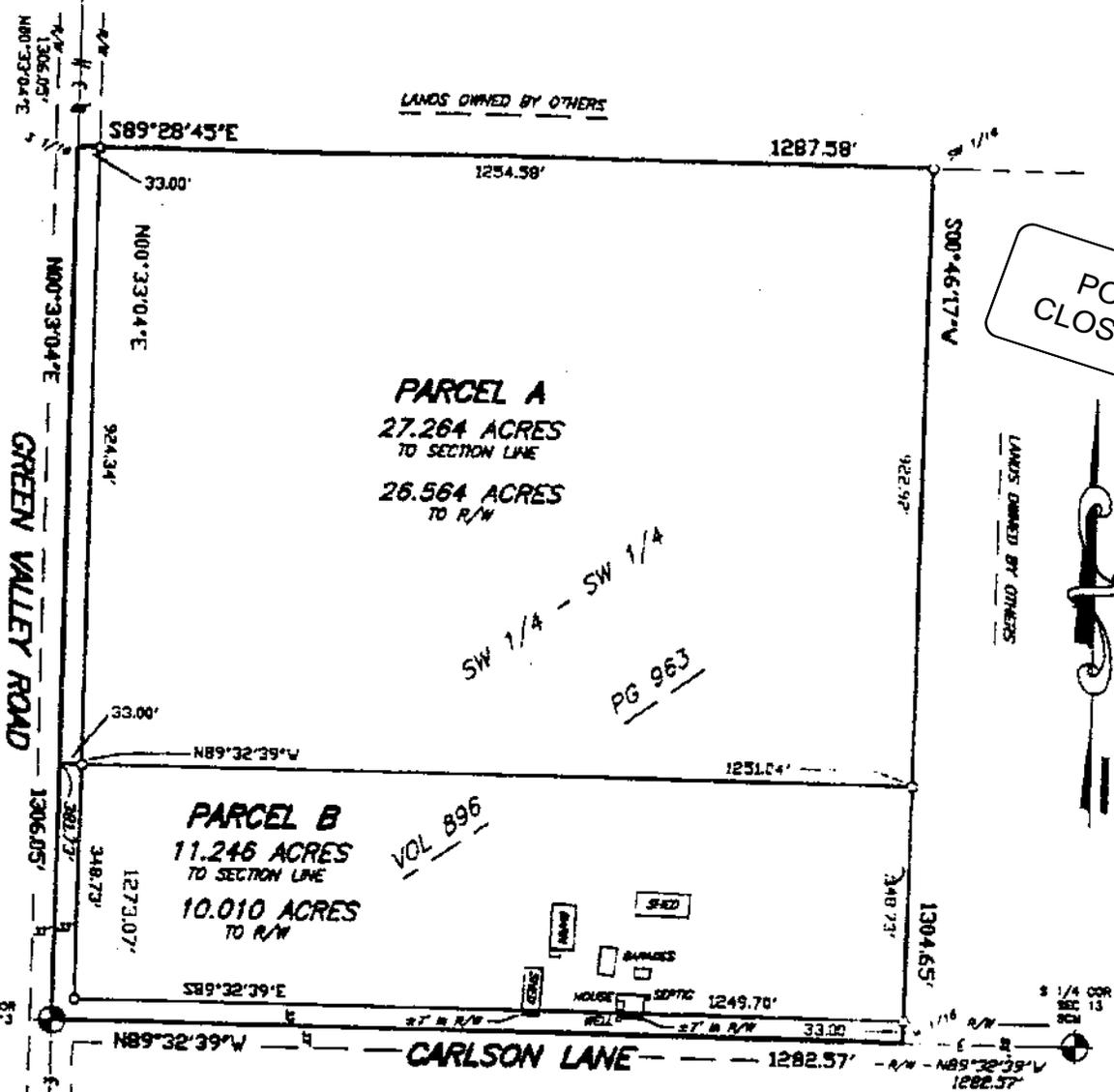
Thence South 80 degrees 28 minutes 45 seconds East along the sixteenth line, a distance of 1287.58 feet to a 1" iron pipe at the Southwest sixteenth corner;

Thence South 00 degrees 46 minutes 17 seconds West along the sixteenth line, a distance of 922.92 feet to a 1" iron pipe;

Thence North 89 degrees 32 minutes 39 seconds West, a distance of 1284.04 feet to the **POINT OF BEGINNING**... excluding the westerly 33 feet thereof for roadway purposes along Green Valley Road.

Together with and subject to any easements, covenants, and restrictions of record.

Said parcel contains 27.264 acres of land more or less to the section line, and 26.564 acres of land more or less to the road right-of-way.



- ⊙ EXISTING SHAWANO COUNTY MONUMENT OF RECORD
- SET 1" x 24" IRON PIPE weighing 1.88 lbs./lin. ft.

bearings referenced to the West line of the SW 1/4 of Section 13, T27N-R18E, RECORDED TO BEAR N09°33'04"E

**SURVEYOR'S CERTIFICATE:**

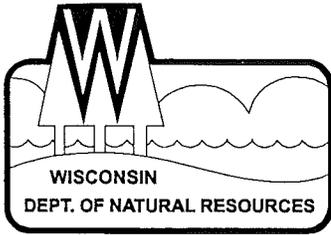
I, Kim H Pritzloff, Registered Land Surveyor, do hereby certify: That by the order and under the direction of Mr. Mark Blaser, owner; I have surveyed, and mapped part of the Southwest quarter of the Southwest quarter of Section 13, Township 27 North - Range 18 East, Town of Green Valley, Shawano County, Wisconsin.

I, further certify that the within map is a true and correct representation of the exterior boundaries of the lands surveyed and that I have fully complied with the provisions of the State of Wisconsin in the surveying and mapping of same to the best of my knowledge and belief.

Dated this 18th day of August, 2000.

Kim H Pritzloff, RLS No. 1258

NOT TO SCALE,  
PRELIMINARY



State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

Tommy G. Thompson, Governor  
George E. Meyer, Secretary  
Ronald W. Kazmierczak, Regional Director

Shawano Office  
647 Lakeland Rd.  
Shawano, Wisconsin 54166-3843  
Telephone 715-524-2183  
FAX 715-524-3214

April 27, 2000

Mark M. and Grace Blaser  
W444 Carlson Lane  
Oconto Falls, WI 54154

**COPY**



Subject: Shawano County Register of Deeds  
Document Number 504148  
Volume 876, pages 572, 573, 574 and 575  
Groundwater Use Restriction

Dear Mr. and Mrs. Blaser:

You have requested that the restrictions in the above document be removed from a portion of the property described in the above document. The document was filed by the former owner, Carl Carlson, as a condition of case closure for DNR Case # 03-59-000276. The restrictions currently filed refer to property described as follows:

South half of the Southwest quarter (S ½ of SW ¼) of Section Thirteen (13), Township Twenty Seven (27) North, Range Eighteen (18) East, Shawano County, Wisconsin.

**Based on a review of the information in the case file, the Department is extinguishing the restrictions contained in document number 504148, Shawano County Register of Deeds, for that portion, and only that portion described as follows:**

**Southeast quarter of the Southwest quarter (SE ¼ of SW ¼) of Section Thirteen (13), Township Twenty Seven (27) North, Range Eighteen (18) East, Shawano County, Wisconsin. (Tax Parcel # 020-13340-0000)**

All restrictions described in document number 504148, Shawano County Register of Deeds, are still in effect for that portion described as follows:

Southwest quarter of the Southwest quarter (SW ¼ of SW ¼) of Section Thirteen (13), Township Twenty Seven (27) North, Range Eighteen (18) East, Shawano County, Wisconsin. (Tax Parcel # 020-13330-0000).

This letter along with an affidavit equivalent to the attached, must be completed and filed by the property owner of record at the Shawano County Register of Deeds. A copy of the filed documents, indicating document number, volume and page must be submitted to this office within 30 days in order to remain effective.

Please contact me at 715-526-4230 if you have any questions.

Sincerely,

*Tom Sturm*

Tom Sturm  
Hydrogeologist  
Remediation and Redevelopment Program  
Email: [sturmt@dnr.state.wi.us](mailto:sturmt@dnr.state.wi.us)



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

647 Lakeland Rd.  
Shawano, Wisconsin 54166  
Telephone 715-524-2183  
FAX 715-524-3214

June 12, 1998

**COPY**

Mr. Carl Carlson  
142 W. Cedar St.  
Gillett, WI 54124

Subject: Closure of WDNR LUST Case # 03-59-000276; Carlson Property, W444  
Carlson Lane, Oconto Falls, WI.

Dear Carl:

I have received a copy of the groundwater use restriction indicating it has been filed at the Shawano County Register of Deeds Office. I have also received documentation that the monitoring wells installed as part of the remedial action at the site have been properly abandoned. As a result, Department considers this case closed.

### General Case Closure

The case closure panel reviews environmental remediation cases for compliance with state laws, standards, and guidelines to maintain consistency in the closeout of cases. At the present time, it appears that actions have been taken to the extent practicable to restore the environment and minimize the harmful effects from this discharge to the air, lands and waters of this state. Please be aware that this letter does not absolve the current, or any future owner of this property from future decisions regarding this site or impacts which may be discovered and/or traced back to past or future activities at this site. If additional information in the future indicates that further investigation or cleanup is warranted, the Department will require that appropriate action be taken at that time.

At this time the Department is not requiring any further investigation or other action concerning this specific site. The Department appreciates the actions you have undertaken to restore the environment at your property. If you have questions regarding this letter, you may contact me at (715) 526-4230.

Sincerely,

Tom Sturm  
Hydrogeologist  
Remediation and Redevelopment Program

cc: Faxed copy to: Patricia Grend - Cadwell Law Offices, 920-497-6270



Document Number

GROUNDWATER USE RESTRICTION

Declaration of Restrictions

In Re: The South half of the Southwest Quarter (S1/2 of SW1/4) of Section Thirteen (13), Township Twenty Seven (27) North, of Range Eighteen (18) East, Shawano County, Wisconsin.

STATE OF WISCONSIN )  
 )  
 ) ss  
COUNTY OF Shawano )

**COPY**

WHEREAS, Carl E. Carlson is the owner of the above-described property.

WHEREAS, one or more petroleum discharges have occurred at this property. Exceedances of groundwater Enforcement Standards as listed in Wisconsin Administrative Code NR140 exist at the following locations as indicated on Attachment 1: MW900 - Benzene at 150 ug/L (micrograms per liter), Methyl - tert - butyl ethyl at 150ug/L; MW1000 - Benzene at 14 ug/L; MW1300 - Benzene at 22 ug/L; MW1600 - Naphthalene at 121 ug/L, Toluene at 660 ug/L; PZ800 - Benzene at 120 ug/L; TW1800-Benzene at 6.3ug/L.above NR Exceedances of Soil Standards as listed in Wisconsin Administrative Code NR720, Table 1 exists at the following locations as indicated on Attachment 2: B100 - Benzene at 1800 ug/kg (micrograms per kilograms), Ethylbenzene at 5200 ug/kg, Toluene at 19000 ug/kg, Xylenes at 34000 ug/kg; S33 - Xylenes at 16000 ug/kg; S6 - Xylenes at 79000 ug/kg; S40 - Benzene at 50 ug/kg;

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:

Structural impediments existing at the time of clean-up made complete remediation of the soil contamination impracticable. Pursuant to the requirements of s. 292.11, Stats., if the structural impediments which currently exist on this property are removed, the property owner shall conduct and investigation of the degree and extent of petroleum contamination. To the extent that contamination is found at that time, the Wisconsin Department of Natural Resources shall be immediately be notified and the contamination shall be properly treated or disposed of in accordance with applicable laws.

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.

REGISTERS OFFICE  
SHAWANO COUNTY, WI SS  
Received for Record this 6th  
day of April A.D. 1998 at 11:10  
o'clock A.M. AND Recorded In Vol. 876  
of Records. Pages 572 - 575  
Mason Budin Register  
REGISTERS OFFICE

Recording Area

Name and Return Address \$1600 fee  
Carl Carlson 11:10 AM  
10444 Oak Knoll Dr  
Oconto Valley, WI 54151 -  
9416

Parcel Identification Number (PIN)

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, or portions of this deed restriction is no longer binding.

IN WITNESS WHEREOF, the owner of the property has executed this Declaration of Restrictions, this 6 day of April, 1998.

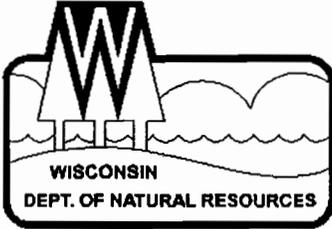
Signature: Carl Carlson  
Printed Name: CARI CARLSON

Subscribed and sworn to before me  
this 6th day of April, 1998.

Stefanie Bohm  
Notary Public, State of Wisconsin  
My commission 2/14/99

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

FILENAME: O:\mgwresir.dot



State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

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

Shawano Office  
647 Lakeland Rd.  
Shawano, Wisconsin 54166  
Telephone 715-524-2183  
FAX 715-524-3214

April 2, 1998

**COPY**

Mr. Carl Carlson  
W444 Carlson Lane  
Oconto Falls, WI 54154-9416

Subject: Groundwater Use Restriction for Carlson Property, W444 Carlson Lane, Oconto Falls, WI; DNR ID # 03-59-00275.

Dear Carl:

Enclosed is the Groundwater Use Restriction that is required as part of the case closure for the property. This entire document (four pages) needs to be filed, by you, at the Shawano County Register of Deeds Office. Please return a copy, with the appropriate documentation that it has been filed, to me. I will officially close this case when I have received this information.

I have received the well abandonment forms for the monitoring wells at the site. If you have any questions, please feel free to call me at 715-526-4230. Your cooperation throughout this project has been appreciated.

Sincerely,

Tom Sturm  
Hydrogeologist  
Remediation and Redevelopment Program

cc: Susan Knabe - Northern Environmental, 954 Circle Dr., Green Bay, WI 54304.



Quality Natural Resources Management  
Through Excellent Customer Service



333036

No. \_\_\_\_\_

Grover C. Earls

Esther M. Earls

TO

Carl E. Carlson

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## Warranty Deed

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REGISTER'S OFFICE,

State of Wisconsin,

*Shawano* County. }

Received for Record this 10 day of  
Aug, A. D., 1950, at 11<sup>30</sup>  
o'clock a M., and recorded in Vol.  
305 of Deeds on Page 288

Albert J. Wendt  
Register of Deeds.

Gladys Kieft  
Deputy.

*Shawano pd 60*

Town of Green Valley, a municipal body  
incorporate in Shawano County, Wisconsin

quit-claims to Carl E. Carlson and Rose Carlson,  
his wife

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

a parcel of property known as the Abandoned  
right of way of the Chicago and Northwest  
Railroad Co. lying south and easterly of  
Green Valley Road in the Southwest 1/4 of  
the Southwest 1/4 Sec. 13 of Town 27 North  
Range 18 East, except for the existing town  
highway right of way;  
and a parcel of property lying westerly and  
south of the abandoned right of way of the Chicago  
and Northwest Railroad Co. (described above) and  
easterly of the Green Valley Road and  
northerly of Carlson Road, except for the existing  
town highway right of way; in the Southwest 1/4  
of the Southwest 1/4 Sec. 13 of Town 27 North  
Range 18 East,

RETURN TO

Tax Parcel No: .....

This deed is exempt from transfer fee and return pursuant  
to SEC. 77.25 (2) of Wis. Statutes and Wis. Adm. Code.

This is not homestead property.  
(is) (is not)

Dated this ..... day of Sept., 19 86

..... (SEAL) Orville Christiansen (SEAL)  
\* Orville Christiansen Town Chairman  
..... (SEAL) Mary S. Olson (SEAL)  
\* Mary Olson, Town Clerk

AUTHENTICATION

Signature(s) .....

authenticated this ..... day of ....., 19.....

\* TITLE: MEMBER STATE BAR OF WISCONSIN

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

THIS INSTRUMENT WAS DRAFTED BY  
Attorney Richard J. Stadelman

P.O. Box 59 Shawano  
(Signatures may be authenticated or acknowledged. Both  
are not necessary.)

ACKNOWLEDGMENT

STATE OF WISCONSIN

Shawano County. } ss.

Personally came before me this ..... day of  
....., 19..... the above named  
Orville Christiansen, Town Chairman  
and Mary Olson, Town Clerk

to me known to be the person ..... who executed the  
foregoing instrument and acknowledge the same.

\* Richard J. Stadelman  
Notary Public is permanent ..... County, Wis.  
My Commission is permanent. (If not, state expiration  
date: ....., 19.....)

**This Indenture**, Made by Grover C. Earls and Esther M. Earls

grantor s, of Shawano County, Wisconsin, hereby convey  
and warrant to Carl E. Carlson

grantee of Shawano County, Wisconsin, for  
the sum of One Dollar and other good and valuable consideration  
the following tract of land in Shawano County, State of Wisconsin;

The South Half of the Southwest Quarter  
(S $\frac{1}{2}$  of SW $\frac{1}{4}$ ) of Section Thirteen (13),  
Township Twenty Seven (27) North, of  
Range Eighteen (18) East, excepting that part  
hereof conveyed for Railroad right of way.



**In Witness Whereof**, the said grantor<sup>s</sup> ha v thereunto set their hands and seal<sup>s</sup> this  
4th day of August, A. D., 19 50.

Signed and Sealed in Presence of

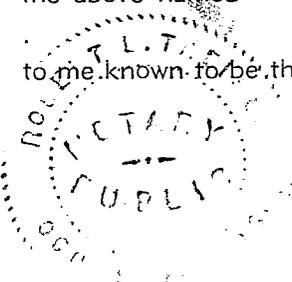
Sylvia K. Treiber  
Sylvia K. Treiber  
Robert L. Treiber  
Robert L. Treiber

Grover C. Earls (SEAL)  
Grover C. Earls  
Esther M. Earls (SEAL)  
Esther M. Earls  
\_\_\_\_\_  
(SEAL)  
\_\_\_\_\_  
(SEAL)

STATE OF WISCONSIN }  
OCONTO County. } ss.

Personally came before me, this 4th day of August A. D., 19 50  
the above named Grover C. Earls and Esther M. Earls

to me known to be the person who executed the foregoing instrument and acknowledged the same.

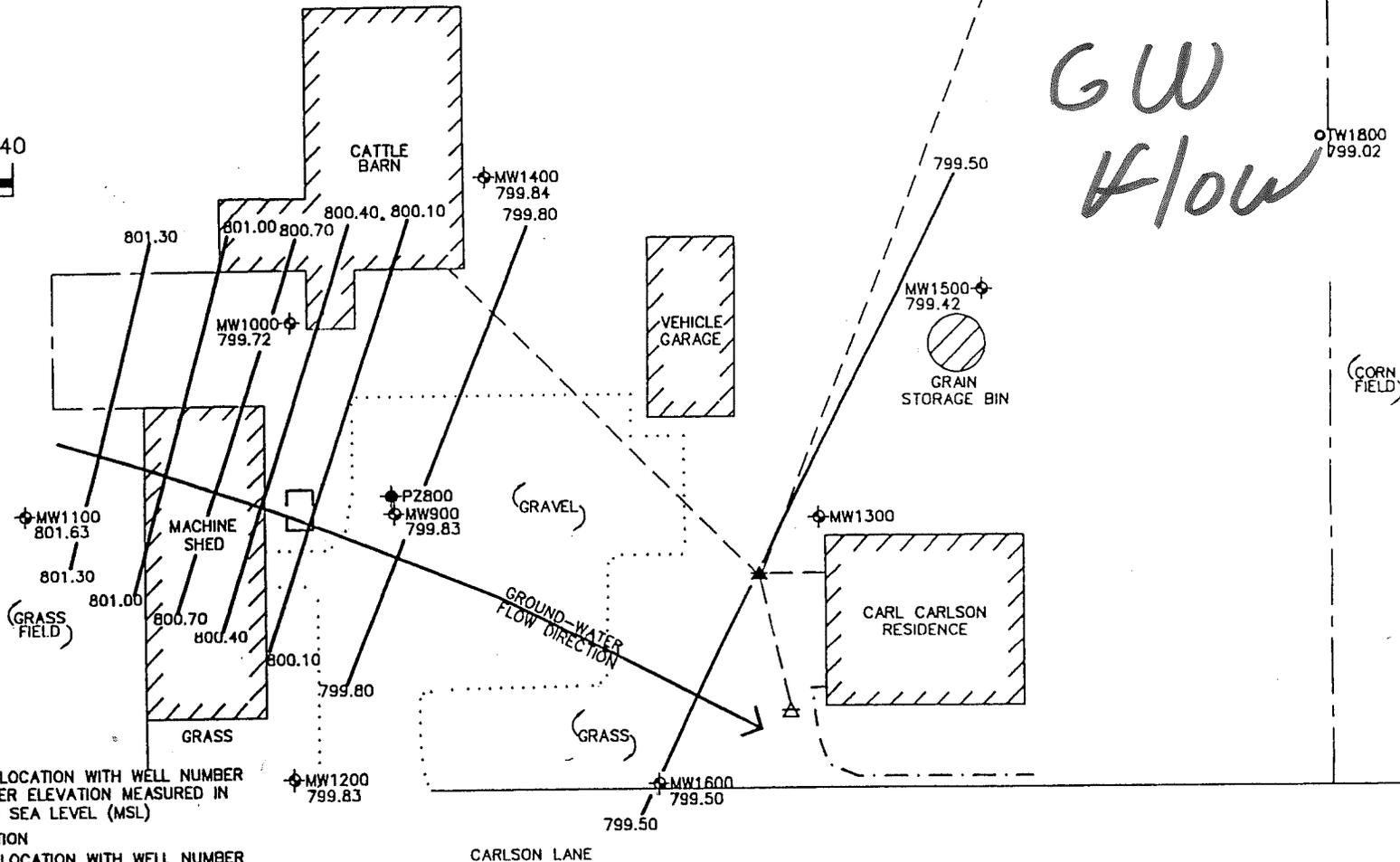
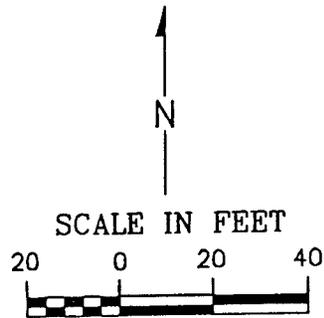


Robert L. Treiber  
Robert L. Treiber  
Notary Public, Oconto County, Wisconsin

My Commission expires Jan. 14, A. D., 19 51

(N.B.—Ch. 59 Wis. Stats. provides that all instruments to be recorded shall have plainly printed or typewritten thereon the names of the grantors, grantees, witnesses and notary.)





**LEGEND**

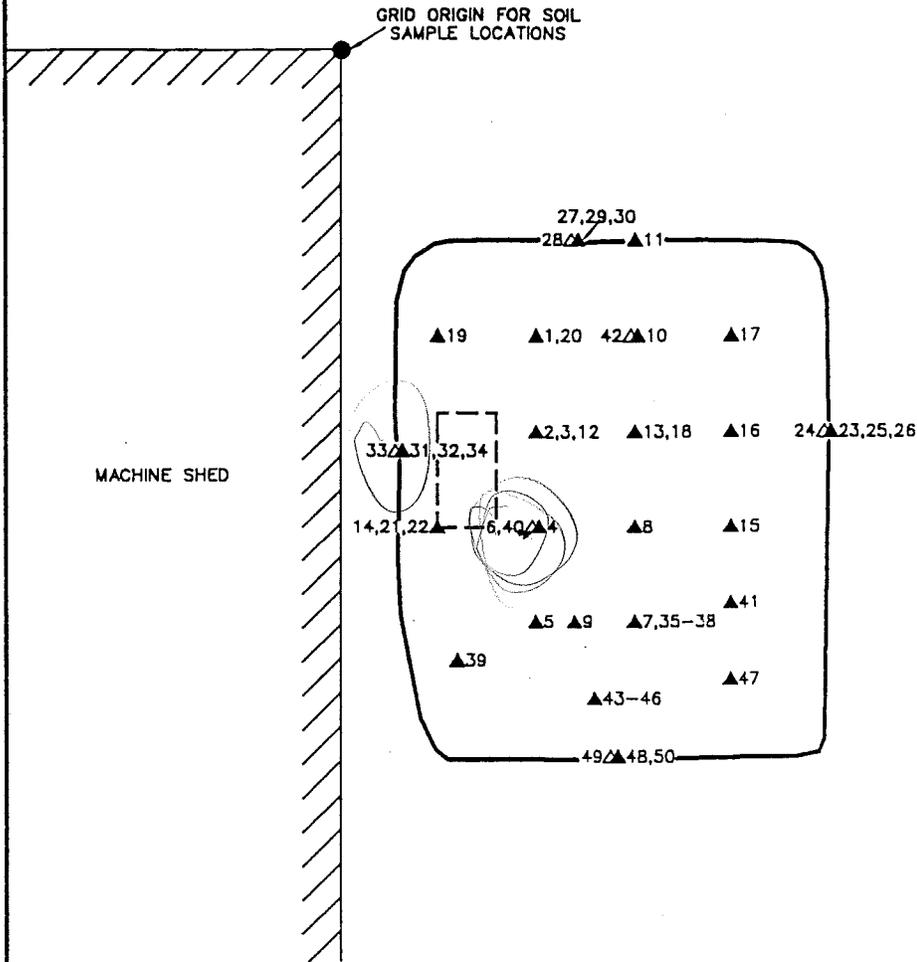
- ◆ MW900 799.83 MONITORING WELL LOCATION WITH WELL NUMBER AND GROUND-WATER ELEVATION MEASURED IN FEET ABOVE MEAN SEA LEVEL (MSL)
- ◆ PZ800 PIEZOMETER LOCATION
- TW1800 799.02 TEMPORARY WELL LOCATION WITH WELL NUMBER AND GROUND-WATER ELEVATION MEASURED IN MSL
- GROUND-WATER ELEVATION CONTOUR LINE CONTOUR INTERVAL = 0.50 FEET
- [ ] FORMER 500 GALLON LEADED GASOLINE UNDERGROUND STORAGE TANK LOCATION
- ▲ EXISTING POTABLE WELL
- - - - - FENCE LINE
- ..... BOUNDARY BETWEEN DIFFERING SURFACE MATERIALS
- ▲ ABANDONED POTABLE WELL
- - - - - WATER LINE
- - - - - NATURAL GAS LINE

DRAWN BY: CAS PROJECT: CCP330254 DATE: 8/29/96	REV. DATE 10/29/96 2/11/97	THIS DRAWING AND ALL INFORMATION CONTAINED THEREON IS THE PROPERTY OF NORTHERN ENVIRONMENTAL INCORPORATED AND SHALL NOT BE COPIED OR USED EXCEPT FOR THE PURPOSE FOR WHICH IT IS EXPRESSLY FURNISHED.
▲ Northern Environmental <sup>SM</sup> Hydrologists • Engineers • Geologists		

FIGURE 6  
GROUND-WATER ELEVATION MAP (7/8/96)  
CARL CARLSON PROPERTY  
OCONTO FALLS, WISCONSIN

FOR: MR. CARL CARLSON

# Post-Remedial Soil Sample Locations



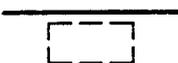
**LEGEND**

▲1

SOIL SAMPLE LOCATION (FIELD SCREENED ONLY)

△6

SOIL SAMPLE LOCATION (FIELD SCREENED AND LABORATORY ANALYZED)

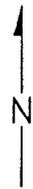


EXTENT OF REMEDIAL EXCAVATION



FORMER UST LOCATION

SOIL ABOVE RCLS REMAIN BENEATH BUILDING



N

SCALE IN FEET



DRAWN BY: CAS PROJECT: CCP330448 DATE: 11/8/96

REV. DATE  
12/30/96

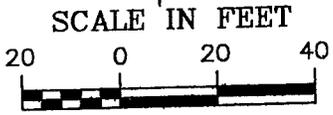
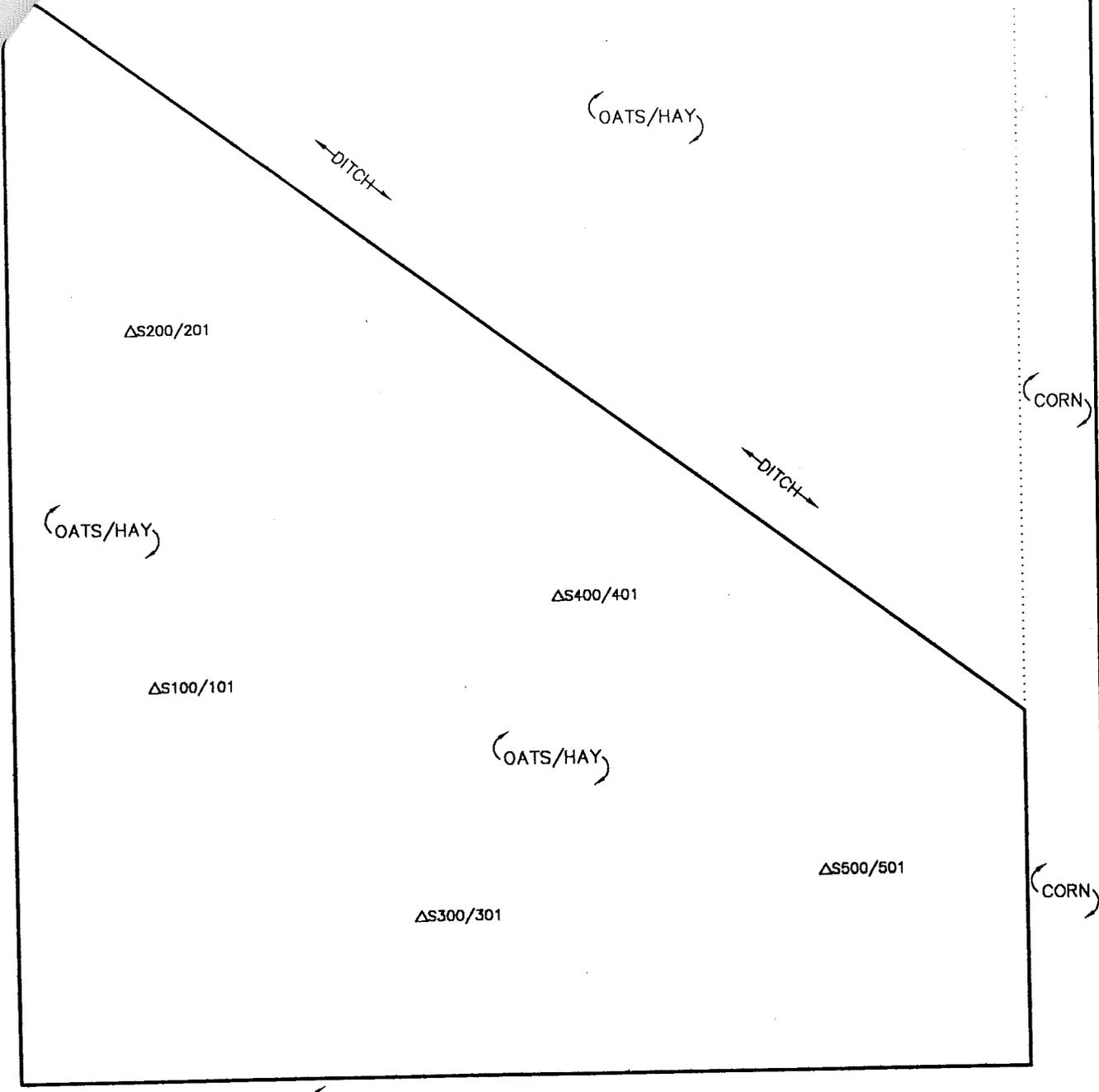
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FIGURE 3  
EXTENT OF REMEDIAL EXCAVATION AND  
SOIL SAMPLE LOCATIONS (FIELD SCREENED)  
CARL CARLSON PROPERTY  
OCONTO FALLS, WISCONSIN

▲ Northern Environmental<sup>SM</sup>  
Hydrologists • Engineers • Geologists

FOR: MR. CARL CARLSON

Post-Remedial Soil Sample Locations



- LEGEND**
- ΔS100 LABORATORY ANALYZED SOIL SAMPLE LOCATION
  - ΔS100 - SAMPLED 6" BELOW GROUND SURFACE
  - ΔS101 - SAMPLED 10" BELOW GROUND SURFACE
  - LANDSPREADING AREA BOUNDARY
  - ..... SURFACE BOUNDARY
  - FENCE POST

DRAWN BY: LFC    PROJECT: CCP330448    DATE: 10/27/97

REV. DATE    THIS DRAWING AND ALL INFORMATION CONTAINED THEREON IS THE PROPERTY OF NORTHERN ENVIRONMENTAL INCORPORATED AND SHALL NOT BE COPIED OR USED EXCEPT FOR THE PURPOSE FOR WHICH IT IS EXPRESSLY FURNISHED.

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FIGURE 4  
LANDSPREAD AREA SOIL SAMPLE LOCATIONS  
CARL CARLSON PROPERTY  
GREEN VALLEY, WISCONSIN

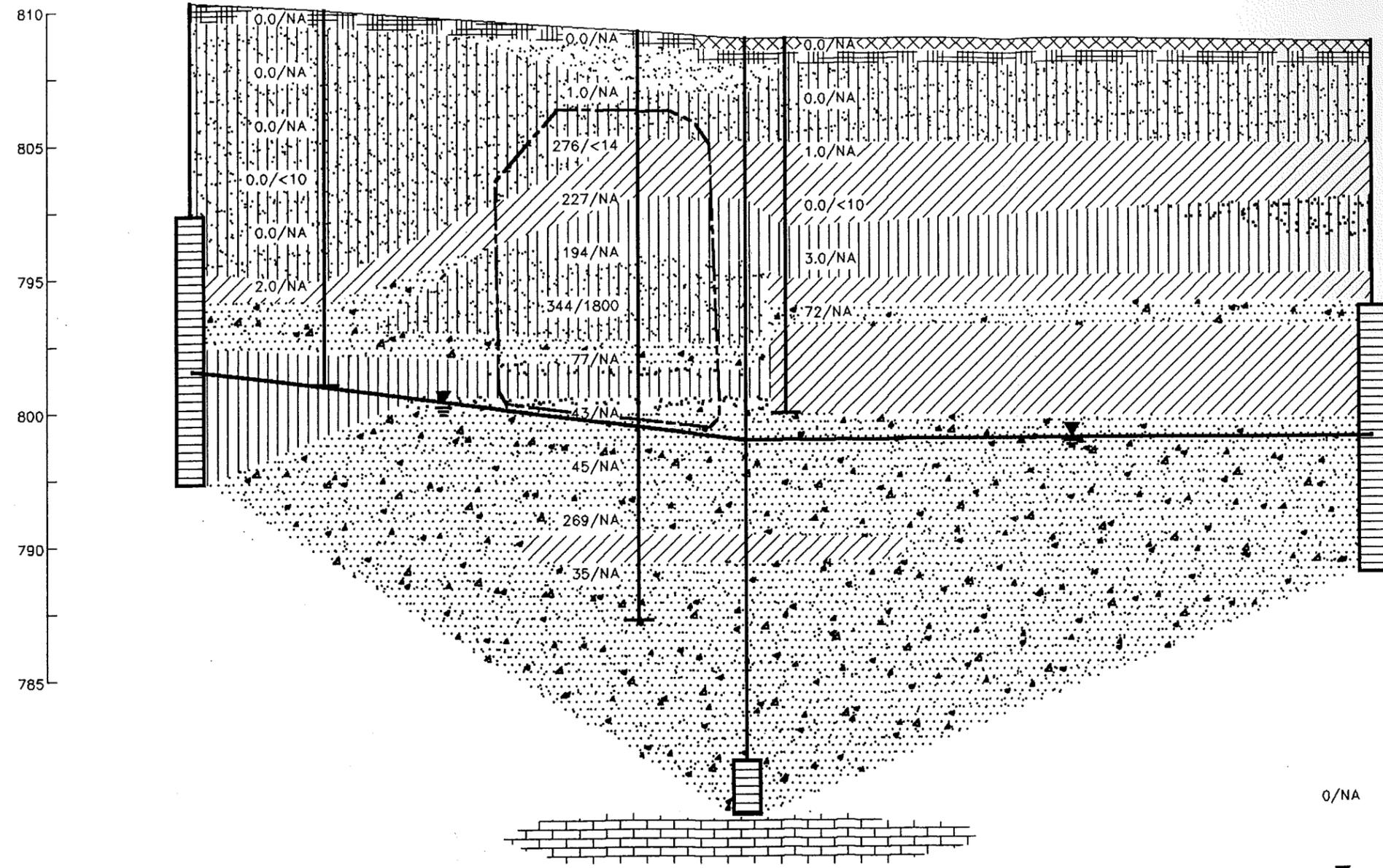
FOR: CARL CARLSON

A  
MW1100  
GE: 809.80  
RE: 813.04  
WE: 796.52

B400

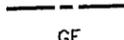
B100 PZ800 B500  
GE: 808.90  
RE: 808.40  
WE: 793.92

A'  
MW1300  
GE: 808.80  
RE: 811.57  
WE: 793.92

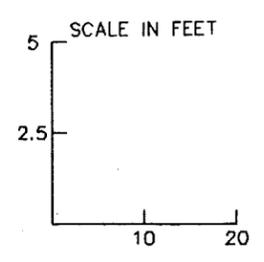
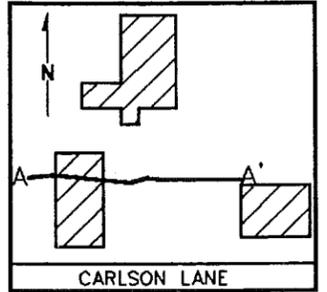


-  SAND AND GRAVEL FILL
-  PT-HIGHLY ORGANIC SOILS
-  SM-SILTY SANDS
-  CL-INORGANIC CLAYS
-  GP-POORLY GRADED GRAVELS
-  ML-INORGANIC SILTS
-  SP-POORLY GRADED SANDS
-  SANDSTONE BEDROCK

**LEGEND**

- 0/NA PID/BENZENE RESULT  
PID = PHOTOIONIZATION DETECTOR READING MEASURED  
IN INSTRUMENT UNITS AS ISOBUTYLENE (iu)  
BENZENE CONCENTRATION MEASURED IN MICROGRAMS PER KILOGRAM (ug/kg)  
NA = NOT ANALYZED
-  WATER TABLE ELEVATION
-  ESTIMATED EXTENT OF SOIL CONTAMINATION
- GE GROUND ELEVATION (IN FEET)
- WE WATER ELEVATION (IN FEET)
- RE RISER ELEVATION (IN FEET)
-  WELL SCREEN

**CROSS-SECTION KEY**

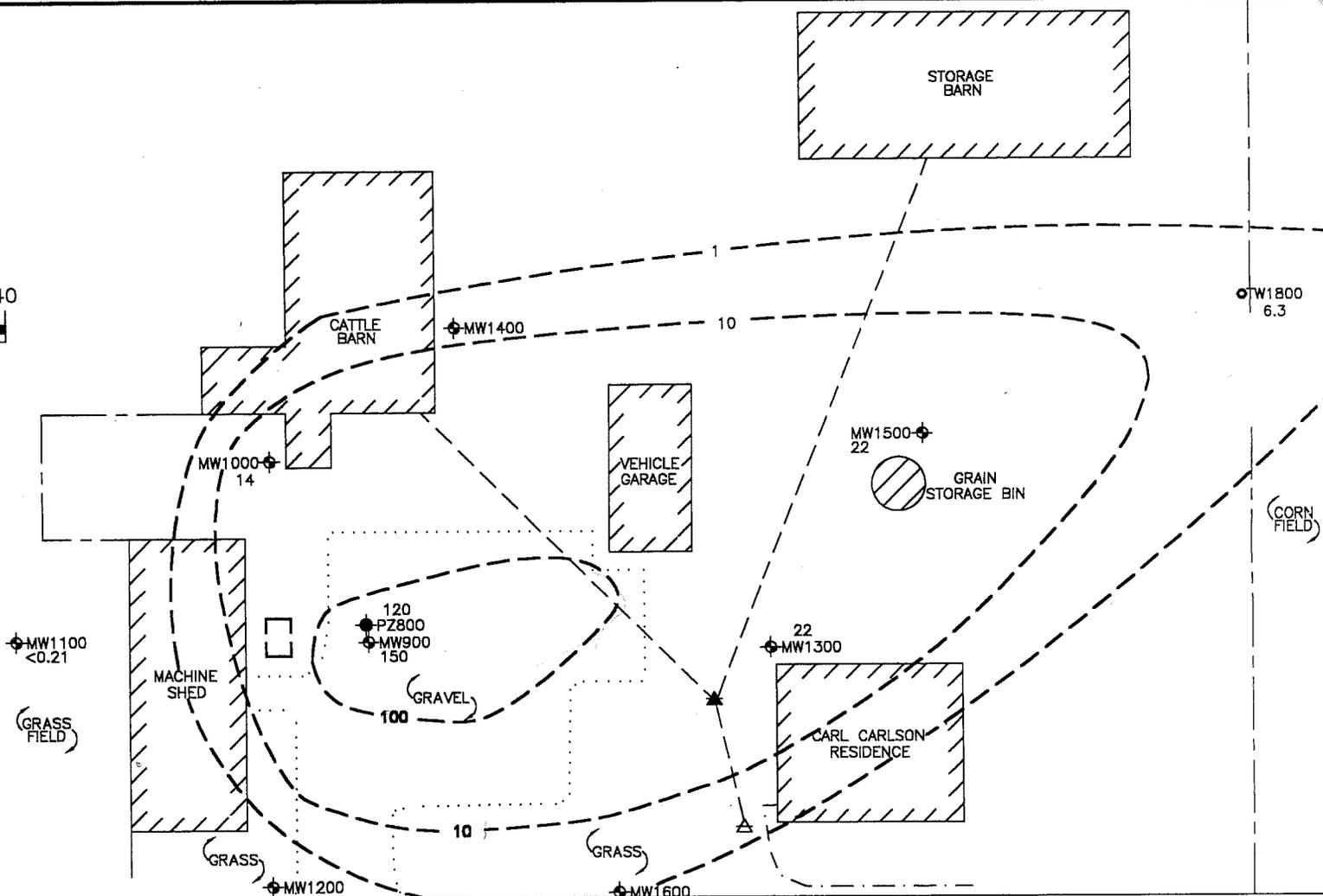
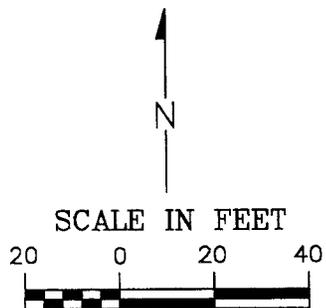


**NOTE:**  
 ◊ WATER MEASUREMENTS TAKEN 1/9/96  
 ◊ ELEVATIONS REFERENCED TO MEAN SEA LEVEL  
 ◊ COLUMN WIDTHS ARE NOT TO SCALE  
 ◊ B400, B100, AND B500 ELEVATIONS ARE INFERRED

DRAWN BY: CAS	PROJECT: CCP330254	DATE: 2/20/96
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2/22/96		
8/29/96		
10/29/96		
1/6/97		
 <b>Northern Environmental</b> Hydrologists • Engineers • Geologists		

**FIGURE 5**  
 GEOLOGIC CROSS-SECTION A-A'  
 CARL CARLSON PROPERTY  
 OCONTO FALLS, WISCONSIN

FOR: MR. CARL CARLSON



**LEGEND**

- ◆ MW900 1.4 MONITORING WELL LOCATION WITH BENZENE CONCENTRATION IN MICROGRAMS PER LITER (MG\L)
- ◆ PZ800 PIEZOMETER LOCATION
- TW1800 TEMPORARY WELL LOCATION
- 10 ISOCONCENTRATION LINE FOR BENZENE IN GROUND WATER; RESULTS IN (MG\L)
- FORMER 500 GALLON LEADED GASOLINE UNDERGROUND STORAGE TANK LOCATION
- ▲ EXISTING DRINKING WELL
- FENCE LINE
- BOUNDARY BETWEEN DIFFERING SURFACE MATERIALS
- ▲ ABANDONED DRINKING WELL
- WATER LINE
- NATURAL GAS LINE

DRAWN BY: LFC	PROJECT: CCP330448	DATE: 11/20/97
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FIGURE 2  
 ISOCONCENTRATION MAP FOR BENZENE  
 IN GROUND WATER (10/6/97)  
 CARL CARLSON PROPERTY  
 OCONTO FALLS, WISCONSIN

FOR: MR. CARL CARLSON

Table 2 Soil Analytical Results, Carl Carlson Property, Oconto Falls, WI

Sample Number	Sample Depth (feet)	Date Sampled	GRO (mg/kg)	Lead (mg/kg)	Concentrations of Analytes Detected(µg/kg)						
					Benzene	Ethylbenzene	MTBE	Toluene	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Xylenes
WDNR Generic Residual Contaminant Level			100	50	5.5	2900	NE	1500	NE	NE	4100
S6	5	11/06/96	2700	—	< 250	< 250	< 250	< 250	130000	85000	79000
S24	9	11/06/96	< 10	—	53	44	44	170	280	80	300
S28	8	11/06/96	< 10	—	< 25	28	28	42	600	180	270
S33	6	11/06/96	210	—	< 25	710	710	1400	16000	5300	16000
S40	15	11/06/96	16	—	50	270	270	300	1300	440	1400
S42	15	11/06/96	< 10	—	< 25	89	89	130	700	210	740
S49	9	11/06/96	< 10	—	< 25	< 25	< 25	30	180	85	140

Key:

- DRO = Diesel Range Organics
- GRO = Gasoline Range Organics
- MTBE = Methyl-Tertiary-Butyl-Ether
- PAHs = Polynuclear Aromatic Hydrocarbons
- PVOCs = Petroleum Volatile Organic Compounds
- VOCs = Volatile Organic Compounds
- mg/kg = milligrams per kilogram
- µg/kg = micrograms per kilogram
- = Not Analyzed
- NE = Not Established by Wisconsin Department of Natural Resources (WDNR)
- RCL = Residual Contaminant Level
- 120 = WDNR Residual Contaminant Level Exceeded

WISCONSIN • Milwaukee • Green Bay • Waupun • Park Falls  
MINNESOTA • St. Paul • Brainerd • Rochester

CANADA • Calgary



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Table 3 Post-Remedial Landspreading Soil Sample Results, Carl Carlson Property, Oconto Falls, WI

Boring Number	Sample Number	Sample Depth (feet)	Date Sampled	GRO (mg/kg)	Lead (mg/kg)	Relevant and Significant Analytical Results (µg/kg)						
						Benzene	Ethylbenzene	MTBE	Toluene	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Xylenes
WDNR Residual Contaminant Level				100	50	5.5	2900	NE	1500	NE	NE	4100
B100	S100	0.5	10/06/97	<10	12 "J"	<25	<25	<25	<25	<25	<25	<50
	S101	2	10/06/97	<10	17	<25	<25	<25	<25	<25	<25	<50
B200	S200	0.5	10/06/97	<10	15	<25	<25	<25	<25	<25	<25	<50
	S201	2	10/06/97	<10	20	<25	<25	<25	<25	<25	<25	<50
B300	S300	0.5	10/06/97	<10	12 "J"	<25	<25	<25	<25	<25	<25	<50
	S301	2	10/06/97	<10	15	<25	<25	<25	<25	45	<25	<50
B400	S400	0.5	10/06/97	<10	13	<25	<25	<25	<25	<25	35	<50
	S401	2	10/06/97	<10	16	<25	<25	<25	<25	<25	<25	<50
B500	S500	0.5	10/06/97	<10	14	<25	<25	<25	<25	<25	<25	<50
	S501	2	10/06/97	<10	16	<25	<25	<25	<25	<25	<25	<50

Key:

- GRO = Gasoline Range Organics
- MTBE = Methyl-Tertiary-Butyl-Ether
- mg/kg = milligrams per kilogram
- µg/kg = micrograms per kilogram
- = Not Analyzed
- NE = Not Established by Wisconsin Department of Natural Resources (WDNR)
- RCL = Residual Contaminant Level
- 120 = WDNR Residual Contaminant Level Exceeded
- "J" ^ = Analyte detected between Limit of Detection and Limit of Quantification

Post-Remedial Water Sample Results

Table 1 Ground-Water Contaminant Chemistry Table, Carl Carlson Property

Well ID	Date Sampled	Relevant and Significant Analytical Results (µg/kg)														
		GRO	Benzene	n-Butylbenzene	sec-Butylbenzene	Ethylbenzene	Isopropylbenzene	p-Isopropyltoluene	MTBE	Naphthalene	n-Propylbenzene	Toluene	1,1,1-Trichloroethane	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Xylenes
WDNR PAL (µg/l)		NE	0.5	NE	NE	140	NE	NE	12	8	NE	68.6	40	NE	NE	124
WDNR ES (µg/l)		NE	5	NE	NE	700	NE	NE	60	40	NE	343	200	NE	NE	620
MW900	11/02/95	7900	265	135	5.2	23.9	---	---	7.2	172	ND	238	ND	700	260	2020
	12/17/96	9300	280	---	---	210	3.8	5	160	200	---	230	---	560	300	1100
	04/08/97	16000	430	---	---	510	---	---	65	180	---	1800	---	860	340	4200
	07/29/97	4000	360	---	---	71	---	---	150	---	---	340	---	280	140	620
	10/06/97	3200	150	---	---	29	---	---	150	---	---	110	---	130	260	160
MW1000	11/02/95	1100	70	ND	ND	ND	ND	ND	ND	ND	ND	3.9	ND	ND	ND	3.26
	12/17/96	110	20	---	---	< 0.7	---	---	3.2	---	---	< 1	---	< 1	< 0.9	< 2
	04/08/97	< 100	9.5	---	---	< 0.68	---	---	< 0.21	---	---	< 1.5	---	< 1	< 0.86	< 1.8
	07/29/97	< 100	0.93	---	---	< 0.68	---	---	< 0.21	---	---	< 1.5	---	< 1	< 0.86	< 1.8
	10/06/97	< 100	14	---	---	< 0.68	---	---	3.4	---	---	< 1.5	---	< 1	< 0.86	< 1.8
MW1100	04/08/97	< 100	< 0.21	---	---	< 0.68	---	---	< 0.21	---	---	< 1.5	---	< 1	< 0.86	< 1.8
	07/29/97	140	12	---	---	< 0.68	---	---	< 0.21	---	---	< 1.5	---	1.7	1.9	2.1
	10/06/97	< 100	< 0.21	---	---	< 0.68	---	---	< 0.21	---	---	< 1.5	---	< 1	< 0.86	< 1.8
MW1300	11/02/95	200	110	4.7	1.11	20.3	3.3	ND	7.3	184	2.85	160	ND	37	10	122.4
	12/17/96	350	51	---	---	< 0.7	---	---	15	---	---	29	---	10	4.8	20
	04/08/97	< 100	0.46 "J"	---	---	< 0.68	---	---	< 0.21	---	---	< 1.5	---	< 1	< 0.86	< 1.8
	07/29/97	150	55	---	---	< 0.68	---	---	20	---	---	< 1.5	---	< 1	< 0.86	2.1
	10/06/97	< 100	22	---	---	< 0.68	---	---	9.8	---	---	< 1.5	---	< 1	< 0.86	1.9
MW1500	11/02/95	320	80	1.4	0.97	< 0.32	2.8	< 0.46	19	19	< 0.41	2.8	2.8	< 0.57	< 0.57	2.4
	12/17/96	300	62	---	---	< 0.7	---	---	13	---	---	1.5	---	< 1	< 0.9	2.3
	04/08/97	200	55	---	---	< 0.68	---	---	10	---	---	< 1.5	---	< 1	< 0.86	< 1.8
	07/29/97	< 100	33	---	---	< 0.68	---	---	8.2	---	---	< 1.5	---	< 1	< 0.86	< 1.8
	10/06/97	< 100	22	---	---	< 0.68	---	---	4.9	---	---	< 1.5	---	< 1	< 0.86	< 1.8
MW1600	02/23/96	< 100	10	< 0.45	< 0.99	< 0.32	< 0.36	< 0.46	9.1	< 0.41	< 0.41	< 0.69	< 0.63	< 0.57	< 0.57	< 0.42
	12/17/96	< 100	27	---	---	< 0.7	---	---	6	---	---	< 1	---	< 1	< 0.9	< 2
	04/08/97	< 100	21	---	---	< 0.68	---	---	6.2	---	---	< 1.5	---	< 1	< 0.86	< 1.8
	07/29/97	< 100	0.69	---	---	< 0.68	---	---	0.94	---	---	< 1.5	---	< 1	< 0.86	< 1.8
	10/06/97	< 100	14	---	---	< 0.68	---	---	2.1	---	---	< 1.5	---	< 1	< 0.86	< 1.8
PZ800	11/02/95	9700	153	144	15.6	312	36	ND	ND	121	88	660	ND	640	202	2040
	12/17/96	1800	24	---	---	24	---	---	3.4	22	---	58	---	95	61	210
	04/08/97	2100	69	---	---	22	---	---	10	41	---	33	---	84	37	131
	07/29/97	2000	95	---	---	23	---	---	< 0.21	---	---	12	---	84	36	160
	10/06/97	2100	120	---	---	21	---	---	10	---	---	42	---	85	34	120
TW1800	05/22/96	450	140	---	---	< 0.7	---	---	36	---	---	6.5	---	< 1	< 0.9	3.2
	12/17/96	170	33	---	---	< 0.7	---	---	16	---	---	< 1	---	< 1	< 0.9	< 2
	04/08/97	< 100	< 0.21	---	---	< 0.68	---	---	4	---	---	< 1.5	---	< 1	< 0.86	< 1.8
	07/29/97	< 100	44	---	---	< 0.68	---	---	12	---	---	< 1.5	---	< 1.0	< 0.86	< 1.8
	10/06/97	< 100	6.3	---	---	< 0.68	---	---	5.8	---	---	< 1.5	---	< 1	< 0.86	< 1.8

Key:  
 GRO = Gasoline Range Organics  
 ES = Enforcement Standards  
 MTBE = Methyl-Tertiary-Butyl-Ether  
 PAL = Preventive Action Limit  
 µg/l = micrograms per liter  
 ND = Not Detected  
 NE = Not established by Wisconsin Department of Natural Resources (WDNR)  
 --- = Not analyzed  
 32 = WDNR Preventive Action Limit Exceeded  
 32 = WDNR Enforcement Standard Exceeded