

REVISED

1:21 pm, Oct 20, 2010

**GIS REGISTRY
Cover Sheet**

POST
CLOSURE

March, 2010
(RR 5367)

Source Property Information

CLOSURE DATE:

BRRTS #:

FID #:

ACTIVITY NAME:

DATCP #:

PROPERTY ADDRESS:

COMM #:

MUNICIPALITY:

PARCEL ID #:

***WTM COORDINATES:**

WTM COORDINATES REPRESENT:

X: Y:

Approximate Center Of Contaminant Source

Approximate Source Parcel Center

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

Please check as appropriate: (BRRTS Action Code)

Contaminated Media:

Groundwater Contamination > ES (236)

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

Contamination in ROW

Contamination in ROW

Off-Source Contamination

Off-Source Contamination

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

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

Land Use Controls:

N/A (Not Applicable)

Cover or Barrier (222)

Soil: maintain industrial zoning (220)

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

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

Vapor Mitigation (226)

Structural Impediment (224)

Maintain Liability Exemption (230)

Site Specific Condition (228)

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

Monitoring Wells:

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

Yes No N/A

** Residual Contaminant Level*

***Site Specific Residual Contaminant Level*

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.)
- Continuing Obligation Cover Letter** (for property owners affected by residual contamination and/or continuing obligations)
- Conditional Closure Letter**
- Certificate of Completion (COC)** (for VPLE sites)

SOURCE LEGAL DOCUMENTS

- 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: Assessor's Plat**
- Signed Statement:** A statement signed by the Responsible Party (RP), which states that he or she believes that the attached legal description accurately describes the correct contaminated property.

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

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

- 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 & Local Topography**
- 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 #: 2,3 **Title: Site Layout, Private Well Sample Locations**
- 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: Approximate Extent of Soil Exceeding WDNR GRCL's (1995)**

BRRTS #: 03-38-001317

ACTIVITY NAME: Pembine Garage

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 #: 6 **Title: Geologic Cross Section**

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, 9 **Title: Estimated Extent of Groundwater Contamination (POST), ISO Map for Benzene**

- 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 #: 5 **Title: Groundwater Elevation Measurements**

Figure #: **Title:**

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

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

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

Table #: 3 **Title: Laboratory Analytical Results of Soil Sampling**

- 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: Private Well Analytical Results (POST), Groundwater Laboratory 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 #: 1 **Title: Water Level Data**

IMPROPERLY ABANDONED MONITORING WELLS

For each monitoring well not properly abandoned according to requirements of s. NR 141.25 include the following documents.

Note: *If the site is being listed on the GIS Registry for only an improperly abandoned monitoring well you will only need to submit the documents in this section for the GIS Registry Packet.*

- Not Applicable**

- Site Location Map:** A map showing all surveyed monitoring wells with specific identification of the monitoring wells which have not been properly abandoned.

Note: *If the applicable monitoring wells are distinctly identified on the Detailed Site Map this Site Location Map is not needed.*

Figure #: **Title:**

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

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

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

BRRTS #: 03-38-001317

ACTIVITY NAME: Pembine Garage

NOTIFICATIONS

Source Property

Not Applicable

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

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

Off-Source Property

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

Not Applicable

Letter To "Off-Source" Property Owners: Copies of all letters sent by the Responsible Party (RP) to owners of properties with groundwater exceeding an Enforcement Standard (ES), and to owners of properties that will be affected by a land use control under s. 292.12, Wis. Stats.

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

Number of "Off-Source" Letters: 1

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: 1

Impacted Off-Source Property Information

Form 4400-246 (R 3/08)

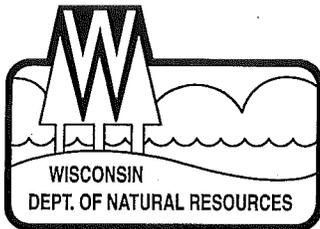
This fillable form is intended to provide a list of information that must be submitted for evaluation for case closure. It is to be used in conjunction with Form 4400-202, Case Closure Request (Section H). The closure of a case means that the Department has determined that no further response is required 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 #:

ACTIVITY NAME:

ID	Off-Source Property Address	Parcel Number	WTM X	WTM Y
<input type="text" value="A"/>	<input type="text" value="N18801 Milwaukee Street, Pembine, Wisconsin"/>	<input type="text" value="022-01822.00, 022-01823.00, 022-01824.00"/>	<input type="text" value="676607"/>	<input type="text" value="575762"/>
<input type="text" value="B"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text" value="C"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text" value="D"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text" value="E"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text" value="F"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text" value="G"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text" value="H"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text" value="I"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>



State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

Jim Doyle, Governor
Matthew J. Frank, Secretary
Ronald W. Kazmierczak, Regional Director

Northeast Region Headquarters
2984 Shawano Ave.
Green Bay, Wisconsin 54313-6727
Telephone 920-662-5100
FAX 920-662-5413
TTY Access via relay - 711

August 23, 2010

POST
CLOSURE

Ms. Sheri Stepien
Town of Pembine
W7837 Cemetery Road
Pembine, WI 54156

SUBJECT: Final Case Closure with Continuing Obligations
Pembine Garage, N18835 Milwaukee Street, Pembine, Wisconsin
WDNR BRRTS Activity #: 03-38-001317

Dear Ms. Stepien:

On July 30, 2010, the Wisconsin Department of Natural Resources (Department) Northeast Region Closure Committee reviewed the above referenced case for closure. This committee reviews environmental remediation cases for compliance with state laws and standards to maintain consistency in the closure of these cases.

The Department reviewed the case closure request regarding the petroleum contamination in soil and groundwater at this site. Based on the correspondence and data provided, it appears that your case meets the closure requirements in ch. NR 726, Wisconsin Administrative Code. The Department considers this case closed and no further investigation or remediation is required at this time. However, you and future property owners must comply with certain continuing obligations as explained in this letter.

GIS Registry

This site will be listed on the Remediation and Redevelopment Program's GIS Registry. The specific reasons are summarized below:

- Residual soil contamination exists that must be properly managed should it be excavated or removed.
- Pavement, an engineered cover or a soil barrier must be maintained over contaminated soil and the state must approve any changes to this barrier.
- Groundwater contamination is present above Chapter NR 140 enforcement standards.
- An off-site water supply treatment system must be operated and maintained.

POST
CLOSURE

This letter and information that was submitted with your closure request application will be included on the GIS Registry. To review the site on the GIS Registry web page, visit the RR Sites Map page at <http://dnr.wi.gov/org/aw/rr/gis/index.htm>. If the property is listed on the GIS Registry because of remaining contamination and you intend to construct or reconstruct a well, you will need prior Department approval in accordance with s. NR 812.09(4)(w), Wis. Adm. Code. To obtain approval, Form 3300-254 needs to be completed and submitted to the DNR Drinking and Groundwater program's regional water supply specialist. This form can be obtained on-line <http://dnr.wi.gov/org/water/dwg/3300254.pdf> or at the web address listed above for the GIS Registry.

Please be aware that the Department's Drinking and Groundwater Program is in the process of creating a bedrock well casing recommendation for a portion of the Town of Pembine. This well casing recommendation is intended to aid surrounding property owners who may choose to install a bedrock drinking water well on their property. To date a successful well construction alternative has not been found which does not have contamination. One attempt to construct a well in bedrock in the area failed to produce uncontaminated water. Future bedrock wells installed in this area may need water treatment. Upon request, a copy of the well casing recommendation will be provided to you. Continued liability related to the quality of water obtained from a well in this area, is a factor both the current property owner and future prospective owners should be aware of.

The Department's Drinking and Groundwater Program issued a drinking water advisory for drinking water well DW5, located on the Pembine Garage property. The advisory was for an exceedance of the drinking water standard for benzene (5 micrograms per liter). **The September 27, 2006 drinking water advisory remains in place. The water from drinking water well DW5 should not be used for drinking or food preparation purposes. The Department also requires continued posting of signage stating "Water is Not for Consumption".**

Pursuant to s. 292.12(2)(a), Wis. Stats., the pavement, building foundation and/or soil cover that currently exists at the Pembine Garage site, in the location shown on the attached map, shall be maintained in compliance with the attached maintenance plan in order to minimize the infiltration of water and prevent additional groundwater contamination that would violate the groundwater quality standards in ch. NR 140, Wis. Adm. Code, and to prevent direct contact with residual soil contamination that might otherwise pose a threat to human health. If soil in the specific locations described above is excavated in the future, the property owner at the time of excavation must sample and analyze the excavated soil to determine if residual contamination remains. If sampling confirms that contamination is present the property owner at the time of excavation will need to determine whether the material is considered solid or hazardous waste and ensure that any storage, treatment or disposal is in compliance with applicable statutes and rules. In addition, all current and future owners and occupants of the property need to be aware that excavation of the contaminated soil may pose an inhalation or other direct contact hazard and as a result special precautions may need to be taken during excavation activities to prevent a health threat to humans.

The attached maintenance plan and inspection log, pertaining to the Pembine Garage property, are to be kept up-to-date and on-site. Please submit the inspection log to the Department only upon request.

Prohibited Activities

The following activities are prohibited on any portion of the Pembine Garage property where pavement, a building foundation, soil cover, or other barrier is required unless prior written approval has been obtained from the Wisconsin Department of Natural Resources: 1) removal of the existing barrier; 2) replacement with another barrier; 3) excavating or grading of the land surface; 4) filling on capped or paved areas; 5) plowing for agricultural cultivation; 6) construction or placement of a building or other structure.

Residual Groundwater Contamination

Groundwater impacted by petroleum contamination greater than enforcement standards set forth in ch. NR140, Wis. Adm. Code, is present both on this contaminated property and off this contaminated property. Off-site property owners have been notified of the presence of groundwater contamination. For more detailed information regarding the locations where groundwater samples have been collected (i.e., monitoring well locations) and the associated contaminant concentrations, refer to the Remediation and Redevelopment Program's GIS Registry at the RR Sites Map page at <http://dnr.wi.gov/org/aw/rr/gis/index.htm>.

The water supply treatment system located at W7978 South Street (aka N18801 Milwaukee Street), Pembine, Wisconsin, must be operated and maintained per the August 11, 2009 Maintenance and Operational Service Agreement between the Town of Pembine and Chris Riffel and the June 22, 2009 water supply treatment system approval issued by Department of Commerce.

Dewatering Permits

The Department's Watershed Management Program regulates point source discharges of contaminated water, including discharges to surface waters, storm sewers, pits or to the ground surface. This includes discharges from construction related dewatering activities, including utility and building construction.

Based on the concentrations of contaminants remaining in groundwater at this location, it appears likely that dewatering activities would require a permit from the Watershed Management Program. If you or any other person plan to conduct such activities, you or that person must contact that program, and if necessary, apply for the necessary discharge permit. Additional information regarding discharge permits is available at <http://www.dnr.state.wi.us/org/water/wm/ww/>

Closure Conditions

Please be aware that pursuant to s. 292.12 Wisconsin Statutes, compliance with the requirements of this letter is a responsibility to which the Town of Pembine and any subsequent property owners must adhere. You must pass on the information about these continuing obligations to the next property owner or owners. If these requirements are not followed or if additional information becomes available that indicates the contamination on or from the site poses a threat to public health, safety, welfare, or the environment, the Department may take enforcement action under s. 292.11 Wisconsin Statutes to ensure compliance with the specified requirements, limitations or other conditions related to the property or this case may be reopened pursuant to s. NR 726.09, Wis. Adm. Code. The Department intends to conduct inspections in the future to ensure that the conditions included in this letter are met.

Post-Closure Notification Requirements

In accordance with ss. 292.12 and 292.13, Wis. Stats., you must notify the Department before making changes that affect or relate to the conditions of closure in this letter. For this case, examples of changed conditions requiring prior notification include, but are not limited to:

- Disturbance, construction on, change or removal in whole or part of pavement, an engineered cover or a soil barrier that must be maintained over contaminated soil.
- Discontinuing operation and maintenance or changes to the off-site water supply treatment system.

Please send written notifications in accordance with the above requirements to:

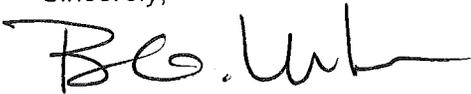
POST
CLOSURE

Department of Natural Resources
Attn: Kristin DuFresne
2984 Shawano Avenue
Green Bay, WI 54313-6727

The following DNR fact sheet, RR-819, "Continuing Obligations for Environmental Protection" has been included with this letter, to help explain a property owner's responsibility for continuing obligations on their property. If the fact sheet is lost, you may obtain a copy at <http://dnr.wi.gov/org/aw/rr/archives/pubs/RR819.pdf>.

The Department appreciates your efforts to restore the environment at this site. If you have any questions regarding this closure decision or anything outlined in this letter, please contact Kristin DuFresne at 920-662-5443.

Sincerely,

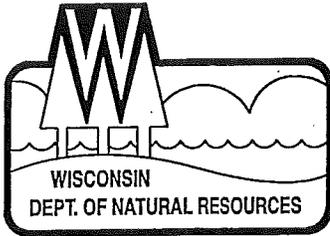


Bruce G. Urben, Team Supervisor
Northeast Region Remediation & Redevelopment Program

Attachments

Exhibit A - Approximate Extent of Soil Exceeding WDNR GRCL's (1995)
Estimated Extent of Groundwater Contamination
Drinking Water – Health Advisory, September 27, 2006
Pavement Cover and Building Barrier Maintenance Plan, July 18, 2006
Maintenance and Operational Service Agreement, August 11, 2009
Water Treatment Device Approval, June 22, 2009
Water Supply Treatment Installation Application, July 21, 2009
Continuing Obligations for Environmental Protection – DNR Publication RR-819

cc: Steve Dill, Town of Pembine Chairman
N18765 Sauld Street, Pembine, WI 54156
Chris Riffel
W10085 Pike Plains Road, Dunbar, WI 54119-9285
Hollie DePuydt, Bonestroo – Park Falls
Beth Erdman, Department of Commerce - Oshkosh
Bob Barnum, DNR – NERH
Rick Stoll, DNR – NERH
Neal Kutchery, DNR - Peshtigo



State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

Jim Doyle, Governor
Scott Hassett, Secretary
Ronald W. Kazmierczak, Regional Director

Peshtigo Service Center
101 N. Ogden Rd.
PO Box 208
Peshtigo, Wisconsin 54157
Telephone 715-582-5000
FAX 715-582-5005
TTY Access via relay - 711

September 27, 2006

WDNR BRRTS # 03-38-001317

POST
CLOSURE

Ms. Sheri Stepien
Town of Pembine
W7837 Cemetary Road
Pembine, WI 54156

Subject: **Drinking Water - Health Advisory**

Dear Ms. Stepien:

As you know, water samples were collected from the Town of Pembine Garage drinking water well at N18835 Milwaukee Street in Pembine, which is located in the NE1/4 of the NW1/4 of Section 34, Township 37 North, Range 20 East, Town of Pembine, Marinette County. The water samples were collected on April 1, 2003, Dec. 9, 2003, Sept. 21, 2004, Jan. 5, 2005, June 27, 2005, and Dec. 9, 2005 by Environmental Compliance Consultants Inc. (ECCI) as part of the ongoing soil and groundwater remediation activities at the Pembine Town Garage. The samples were analyzed for a broad range of volatile organic chemicals (VOC's).

The testing laboratory reported that the chemicals shown on the attached sampling table were detected in your drinking water.

Of the chemicals that were detected listed in the table, **Benzene** was the only one detected at a concentration greater than the current Drinking Water Standard of 5 ug/l. This level of benzene may pose a potential health risk from your drinking water. It's our understanding that you were previously informed of the test results by ECCI.

Because the elevated concentration of benzene poses a potential health risk, and is listed as a human carcinogen we advise that the water not be used for drinking or food preparation purposes.

Should you have any health related questions, you may wish to contact Mr. Dennis Hibray of the Department of Health and Family Services, Division of Public Health, 200 North Jefferson Street, Suite 126, Green Bay WI 54301, (920)448-5265.

If you have any questions, please feel free to call me at (715) 582-5011.

Sincerely,



Neal Kutchery
Water Supply Specialist

POST
CLOSURE

Cc: Private Water Supply - DG/2
Kristin DuFresne - NER
Bill Phelps - DG/2
Chris Mattson, ECCI, PO Box 614, Rhineland, WI 54501
Beth Erdman, Dept. of Commerce - Oshkosh

TABLE -- SHOP WELL (DW5)

125	Parameter concentration exceeds the NR 140 ES
<2.5	Parameter analyzed, but not detected, MDL > PAL or ES
	Parameter not analyzed

GROUNDWATER LABORATORY RESULTS
TOWN OF PEMBINE GARAGE

Date Sampled	4/1/03	12/9/03	9/21/04	1/5/05	6/27/05	12/9/05	NR 140 PAL	NR 140 ES
Analyte								
PVOCs* (µg/L)								
Benzene	18	5.6	13	16.3	17.8	13	0.5	5
Toluene	3.8	[0.96]	1.7	0.873	<0.3	<0.51	200	1000
Ethylbenzene	18	6.7	14	18.1	2.56	3.4	140	700
1,2,4-Trimethylbenzene	16	8.7	17	17.3	3.46	2.6		
1,3,5-Trimethylbenzene	4.6	[1.9]	5.4	4.61	1.42	1.6		
Total Trimethylbenzenes	20.6	[10.6]	22.4	21.91	4.88	4.2	96	480
Methyl tert-Butyl ether	19	18	12	21.8	18.8	14	12	60
m- & p-Xylenes	25	15	18	20.2	2.97	[2.8]		
o- Xylene	3.2	<0.60	<0.44	1.11	0.304	<0.52		
Total Xylenes	28.2	<15.6	<18.44	21.31	3.274	<3.32	1000	10000
Naphthalene	5.3	2.5	5.4	4.25	4.23	6.1	8	40

MDL: Laboratory Method Detection Limit

NR 140 ES: Wisconsin Administrative Code NR 140 Enforcement Standard

NR 140 PAL: Wisconsin Administrative Code NR 140 Preventive Action Limit

* Samples were analyzed for PVOCs plus Naphthalene.

[] = Results are greater than the Limit of Detection, but less than the Limit of Quantitation, and are within a region of "Less-Certain-Quantitation."



State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

Jim Doyle, Governor
Matthew J. Frank, Secretary
Ronald W. Kazmierczak, Regional Director

Northeast Region Headquarters
2984 Shawano Ave.
Green Bay, Wisconsin 54313-6727
Telephone 920-662-5100
FAX 920-662-5413
TTY Access via relay - 711

December 3, 2008

POST
CLOSURE

Ms. Sheri Stepien
Town of Pembine
W7837 Cemetery Road
Pembine, WI 54156

SUBJECT: Reopening of Closed Case
Pembine Garage, N18835 Milwaukee Street, Pembine, Wisconsin
WDNR BRRTS # 03-38-001317

Dear Ms. Stepien:

On October 6, 2008, the Wisconsin Department of Natural Resources (WDNR) was notified of petroleum contamination in the Christopher Riffel potable well located at W7978 South Street, Pembine, Wisconsin. In an effort to confirm the initial result, the WDNR collected its own groundwater sample from the Riffel well on October 9, 2008. Both sampling events identified benzene at a concentration greater than the current drinking water standard of 5 ug/L.

Based on the information that has been submitted to the WDNR to date regarding this site, we believe that this newly reported contamination is residual contamination from a previously identified hazardous substance discharge that the Town of Pembine was responsible for, which was closed by the WDNR on November 30, 2006 (see records related to WDNR BRRTS # 03-38-001317). The WDNR also believes remediation is needed because of a drinking water standard exceedance in an off-site potable well.

As the entity that caused the discharge of this hazardous substance, you are responsible for restoring the environment at the above-described site under Section 292.11, Wisconsin Statutes, known as the hazardous substance spills law.

This letter describes the legal responsibilities of a person who is responsible under section 292.11, explains what you need to do to investigate and clean up the contamination, and provides you with information about cleanups, environmental consultants, possible financial assistance, and working cooperatively with the WDNR and Department of Commerce (Commerce).

Legal Responsibilities:

Your legal responsibilities are defined both in statute and in administrative codes. The hazardous substances spill law, Section 292.11 (3) Wisconsin Statutes, states:

- **RESPONSIBILITY.** A person who possesses or controls a hazardous substance which is discharged or who causes the discharge of a hazardous substance shall take the

actions necessary to restore the environment to the extent practicable and minimize the harmful effects from the discharge to the air, lands, or waters of the state.

Wisconsin Administrative Code chapters NR 700 through NR 749 establish requirements for emergency and interim actions, public information, site investigations, design and operation of remedial action systems, and case closure. Chapter NR 708 includes provisions for immediate actions in response to limited contamination. Wisconsin Administrative Code chapter NR 140 establishes groundwater standards for contaminants that reach groundwater.

Steps to Take:

The longer contamination is left in the environment, the farther it can spread and the more it may cost to clean up. Quick action may lessen damage to your property and neighboring properties and reduce your costs in investigating and cleaning up the contamination. To ensure that your cleanup complies with Wisconsin's laws and administrative codes, you should hire a professional environmental consultant who understands what needs to be done. These are the first three steps to take:

1. Within the next **30 days**, by January 2, 2009, you should submit written verification (such as a letter from the consultant) that you have hired an environmental consultant. If you do not take action within this time frame, the WDNR may initiate enforcement action against you.
2. Within the next **60 days**, by February 1, 2009, your consultant should submit a work plan and schedule for the investigation. The consultant must comply with the requirements in the NR 700 rule series and should refer to WDNR technical guidance documents. To facilitate prompt agency review of your reports, your consultant should use the site investigation and closure formats which are available on-line at www.dnr.state.wi.us.

Once an investigation has established the degree and extent of contamination at your site, your consultant will be able to determine whether Commerce or the WDNR has authority over the case.

3. Within 30 days of completion of the site investigation, you or your consultant must provide a brief report at least every 90 days as required by s. NR 724.13 (3), Wis. Adm. Code. Quarterly reports need only include one or two pages of text, plus any relevant maps and tables. Should conditions at your site warrant, we may require more frequent contacts.
4. Sites where discharges to the environment have been reported are entered into the Bureau for Remediation and Redevelopment Tracking System ("BRRTS"), a version of which appears on the WDNR's internet site. You may view the information related to your site at any time (<http://www.dnr.state.wi.us/org/aw/rr/brrts>) and use the feedback system to alert us to any errors in the data.

If you want a formal response from the agency on a specific submittal, please be aware that a review fee is required in accordance with ch. NR 749, Wis. Adm. Code. If a fee is not submitted with your reports, you should proceed under the advice of your consultant to complete the site investigation to maintain your compliance with the spills law and chapters NR 700 through NR 749. **Do not delay the investigation of your site by waiting for an agency response.** We have provided detailed technical guidance to environmental consultants. Your consultant is expected to know our technical procedures and administrative rules and should be able to answer your questions on meeting cleanup requirements.

All correspondence regarding this site should be sent to:

Kristin DuFresne
Remediation and Redevelopment Program
Wisconsin Department of Natural Resources
2984 Shawano Avenue
Green Bay, WI 54313-6727
Kristin.dufresne@wisconsin.gov

POST
CLOSURE

Unless otherwise requested, please send only one copy of plans and reports. To speed processing, correspondence should reference the BRRTS and FID numbers (if assigned) shown at the top of this letter.

Additional Information for Site Owners:

Information to help you select a consultant, and materials on controlling costs, understanding the cleanup process, and choosing a site cleanup method are enclosed. In addition, *Fact Sheet 2, Voluntary Party Remediation and Exemption from Liability* provides information on obtaining the protection of limited liability under s. 292.15, Wis. Stats.

Financial Assistance:

Reimbursement from the Petroleum Environmental Cleanup Fund (PECFA) may be available for some of the costs of cleaning up contamination from eligible petroleum storage tanks. Please refer to the enclosed information sheet entitled "*Information About PECFA*" for more information on eligibility and regulations for this program. For more information on the PECFA program, please call the Department of Commerce at 608-266-2424 or visit their web site at: <http://www.commerce.state.wi.us/COM/Com-Petroleum.html>. Funding is also available for cleanup at some dry cleaning sites.

Call the DNR Project Manager for more information on eligibility for financial assistance or visit the RR web site. <http://www.dnr.state.wi.us/org/aw/rr>. You may also contact this person for all other questions regarding this letter.

Thank you for your cooperation.

Sincerely,



Diane E. Hansen
Environmental Program Associate
Bureau for Remediation & Redevelopment

Enclosures: 1. PECFA Fact Sheet
2. Selecting a consultant
3. Fact Sheet 2, VPLE

cc: Beth Erdman, Department of Commerce – Oshkosh
Neal Kutchery, DNR – Peshtigo
Christopher Riffel
W10085 Pike Plains Road, Dunbar, WI 54119



State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

Jim Doyle, Governor
Scott Hassett, Secretary
Ronald W. Kazmierczak, Regional Director

Northeast Region Headquarters
2984 Shawano Ave., P.O. Box 10448
Green Bay, Wisconsin 54307-0448
Telephone 920-662-5100
FAX 920-662-5413
TTY Access via relay - 711

November 30, 2006

Ms. Sheri Stepien
Town of Pembine
W7837 Cemetery Road
Pembine, WI 54156

SUBJECT: Final Case Closure with Land Use Limitations or Conditions
Pembine Garage, N18835 Milwaukee Street, Pembine, Wisconsin
WDNR BRRTS Activity #: 03-38-001317

Dear Ms. Stepien:

On September 7, 2006, the Wisconsin Department of Natural Resources Northeast Region Closure Committee reviewed the above referenced case for closure. This committee reviews environmental remediation cases for compliance with state laws and standards to maintain consistency in the closure of these cases. Based on the correspondence and data provided, it appears that your case has been remediated to Department standards in accordance with s. NR 726.05, Wisconsin Administrative Code. The Department considers this case closed and no further investigation or remediation is required at this time.

Please be aware that pursuant to s. 292.12 Wisconsin Statutes, compliance with the requirements of this letter is a responsibility to which the Town of Pembine and any subsequent property owners must adhere. If these requirements are not followed or if additional information regarding site conditions indicates that contamination on or from the site poses a threat to public health, safety, welfare, or the environment, the Department may take enforcement action under s. 292.11 Wisconsin Statutes to ensure compliance with the specified requirements, limitations or other conditions related to the property or this case may be reopened pursuant to s. NR 726.09, Wis. Adm. Code. It is the Department's intent to conduct inspections in the future to ensure that the conditions included in this letter including compliance with referenced maintenance plans are met.

Pursuant to s. 292.12(2)(a), Wis. Stats., the pavement or other impervious cap that currently exists in the location shown on the attached map shall be maintained in compliance with the attached maintenance plan in order to minimize the infiltration of water and prevent additional groundwater contamination that would violate the groundwater quality standards in ch. NR 140, Wis. Adm. Code, and to prevent direct contact with residual soil contamination that might otherwise pose a threat to human health. If soil in the specific locations described above is excavated in the future, the property owner at the time of excavation must sample and analyze the excavated soil to determine if residual contamination remains. If sampling confirms that contamination is present the property owner at the time of excavation will need to determine whether the material would be considered solid or hazardous waste and ensure that any storage, treatment or disposal is in compliance with applicable statutes and rules. In addition,

all current and future owners and occupants of the property need to be aware that excavation of the contaminated soil may pose an inhalation or other direct contact hazard and as a result special precautions may need to be taken during excavation activities to prevent a health threat to humans.

The following activities are prohibited on any portion of the property where pavement or other impervious cap is required as shown on the attached map, unless prior written approval has been obtained from the Wisconsin Department of Natural Resources: 1) removal of the existing barrier; 2) replacement with another barrier; 3) excavating or grading of the land surface; 4) filling on capped or paved areas; 5) plowing for agricultural cultivation; or 6) construction or placement of a building or other structure.

In addition, depending on site-specific conditions, construction over contaminated materials may result in vapor migration into enclosed structures or migration along newly placed underground utility lines. The potential for vapor inhalation and mitigation should be evaluated when planning any future redevelopment, and measures should be taken to ensure the continued protection of public health, safety, welfare and the environment at the site.

On September 27, 2006 the Department's Drinking and Groundwater Program issued a drinking water advisory for drinking water well DW5 located on the Pembine Garage site. This advisory was for an exceedance of the drinking water standard (5 micrograms per liter) for benzene. In addition to not using the water for drinking or food preparation purposes the Department recommends putting up signage stating "Water is Not for Consumption".

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 GIS Registry. To review the sites on the GIS Registry web page, visit <http://dnr.wi.gov/org/aw/rr/gis/index.htm>. If your property is listed on the GIS Registry because of remaining contamination and you intend to construct or reconstruct a well, you will need prior Department approval in accordance with s. NR 812.09(4)(w), Wis. Adm. Code. To obtain approval, Form 3300-254 needs to be completed and submitted to the DNR Drinking and Groundwater program's regional water supply specialist. This form can be obtained on-line <http://www.dnr.state.wi.us/org/water/dwg/3300254.pdf> or at the web address listed above for the GIS Registry.

The Department appreciates your efforts to restore the environment at this site. If you have any questions regarding this closure decision or anything outlined in this letter, please contact Kristin DuFresne at 920-662-5443.

Sincerely,



Bruce G. Urben
Northeast Remediation & Redevelopment Team Supervisor

Enclosure

cc: Bob Meller, ECCI
P.O. Box 614, Rhinelander, WI 54501
Neal Kutchery, DNR – Peshtigo
Beth Erdman, Department of Commerce

PAVEMENT COVER AND BUILDING BARRIER MAINTENANCE PLAN

Date: July 18, 2006

Property Located at: N18835 Milwaukee Street
Pembine, WI 54156

WDNR BRRTS/Activity #: 03-38-001317

Legal Description/Tax #: Parcel 022-01819.000

Lots Nineteen (19), Twenty (20) and Twenty-one (21) of Assessor's Plat of Marinette County Addition of the Village of Pembine (part of the Northeast Quarter of the Northwest Quarter (NE 1/4NW 1/4) of Section Thirty-four (34), Township Thirty-seven (37), Range Twenty (20) East, situated in the County of Marinette and State of Wisconsin.

Introduction

This document is the Maintenance Plan for a pavement cover and building barrier at the above-referenced property in accordance with the requirements of s. NR 724.13(2), Wisconsin Administrative Code. The maintenance activities relate to the existing buildings and paved surfaces occupying the area over the contaminated soil on site. The contaminated soil is impacted by petroleum compounds. The locations of the paved surface and buildings to be maintained in accordance with this Maintenance Plan, as well as the impacted soil, are identified on the attached map (Exhibit A).

Cover and Building Barrier Purpose

The paved surface and the building foundations over the contaminated soil serve as a barrier to prevent direct human contact with residual soil contamination that might otherwise pose a threat to human health. These paved surfaces and building foundations also act as a partial infiltration barrier to minimize future soil-to-groundwater contamination migration that would violate the groundwater standards in ch. NR 140, Wisconsin Administrative Code. Based on the current and future use of the property, the barrier should function as intended unless disturbed.

Annual Inspection

The paved surfaces and building foundations overlying the contaminated soil, and as depicted in Exhibit A, will be inspected once a year, normally in the spring after all snow and ice are gone, for deterioration, cracks and other potential problems that can cause additional infiltration into, or exposure to, underlying soils. The inspections will be performed to evaluate damage due to settling, exposure to the weather, wear from traffic, increasing age and other factors. Any area where soils have become, or are likely to become, exposed will be documented. A log of the inspections and any repairs will be

PAVEMENT COVER AND BUILDING BARRIER MAINTENANCE PLAN (Cont.)

maintained by the property owner and is included as Exhibit B, Cap Inspection Log. The log will include recommendations for necessary repair of any areas where underlying soils are exposed. Once repairs are completed, they will be documented in the inspection log. A copy of the inspection log will be sent to the Wisconsin Department of Natural Resources (WDNR) at least annually after every inspection, unless otherwise directed in the case closure letter.

Maintenance Activities

If problems are noted during the annual inspections or at any other time during the year, repairs will be scheduled as soon as practicable. Repairs can include patching and filling operations, or they can include larger resurfacing or construction operations. In the event that necessary maintenance activities expose the underlying soil, the owner must inform maintenance workers of the direct contact exposure hazard and provide them with appropriate personal protection equipment. The owner must also sample any soil that is excavated from the site prior to disposal to ascertain if contamination remains. The soil must be treated, stored and disposed of by the owner in accordance with applicable local, state and federal law.

In the event the paved surfaces and/or the buildings overlying the contaminated soil are removed or replaced, the replacement barrier must be equally impervious. Any replacement barrier will be subject to the same maintenance and inspection guidelines as outlined in this Maintenance Plan unless indicated otherwise by the WDNR or its successor.

The property owner, in order to maintain the integrity of the paved surfaces and/or the buildings, will maintain a copy of this Maintenance Plan on site and make it available to all interested parties (i.e., on-site employees, contractors, future property owners, etc.) for viewing.

Amendment or Withdrawal of the Maintenance Plan

This Maintenance Plan can be amended or withdrawn by the property owner and its successors with the written approval of the WDNR.

Contact Information

Site Owner and Operator: Town of Pembine
c/o Sheri Stepien, Town Clerk
W7837 Cemetery Road
Pembine, WI 54156
Phone #: (715) 324-5261

PAVEMENT COVER AND BUILDING BARRIER MAINTENANCE PLAN (Cont.)

Consultant: Environmental Compliance Consultants, Inc.
16 Randall Avenue
P.O. Box 614
Rhineland, WI 54501

Phone #: (715) 365-5200

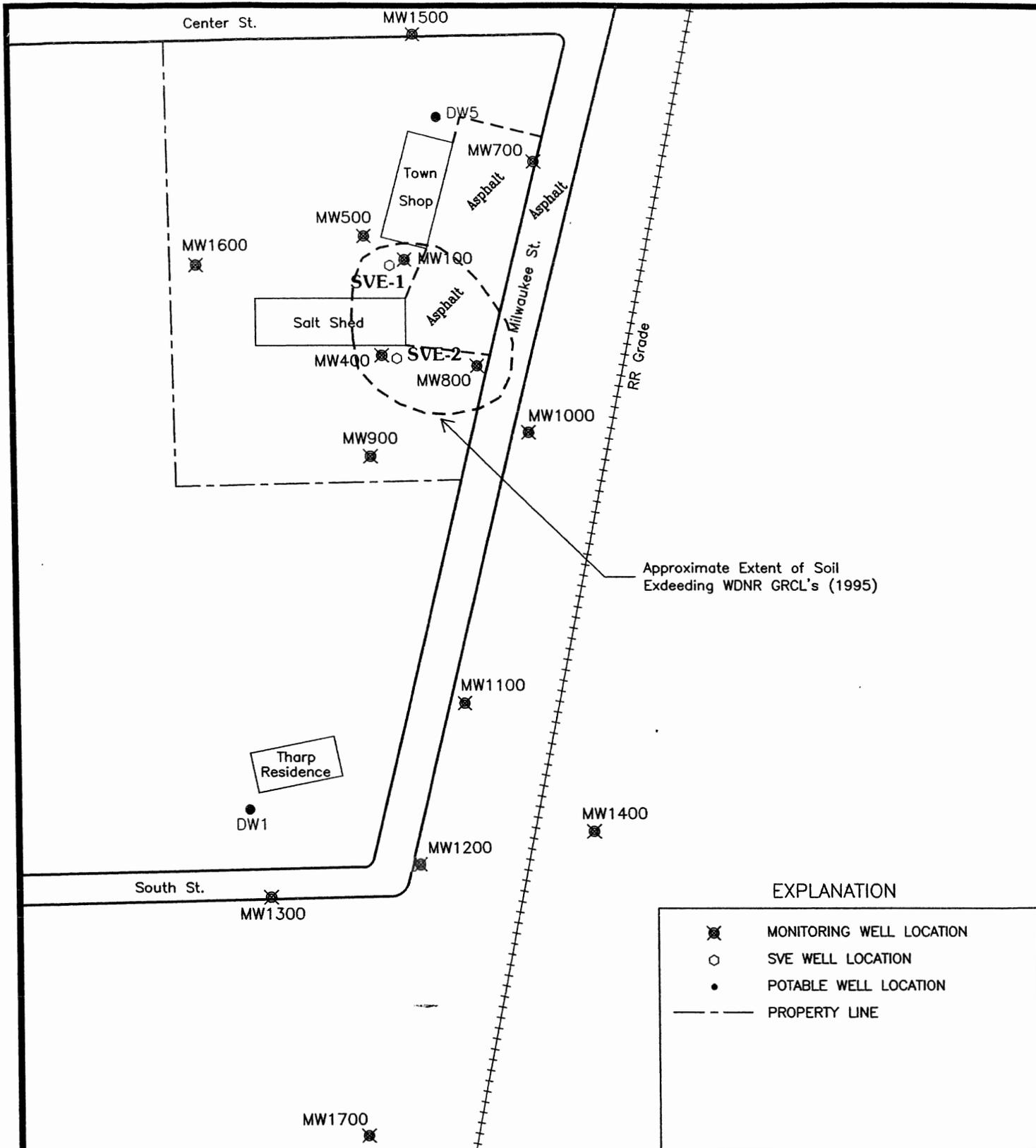
WDNR: Project Manager Kristin DuFresne, Hydrogeologist
2984 Shawano Avenue
P.O. Box 10448
Green Bay, WI 54307
(920) 662-5443

PAVEMENT COVER AND BUILDING BARRIER MAINTENANCE PLAN (Cont.)

Exhibit B

BARRIER INSPECTION LOG

Inspection Date	Inspector	Condition of Cap	Recommendations	Have Recommendations from Previous Inspection Been Implemented?

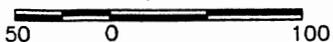


Approximate Extent of Soil Exceeding WDNR GRCL's (1995)

EXPLANATION

	MONITORING WELL LOCATION
	SVE WELL LOCATION
	POTABLE WELL LOCATION
	PROPERTY LINE

SCALE (IN FEET)



TOWN OF PEMBINE GARAGE

EXHIBIT A
APPROXIMATE EXTENT OF SOIL EXCEEDING WDNR GRCL's (1995)

SCALE : SEE GRAPHIC SCALE

DATE : JULY 2006

Environmental Compliance Consultants, Inc.

BY: JSL

MAINTENANCE AND OPERATIONAL SERVICE AGREEMENT

BETWEEN

TOWN OF PEMBINE
STEVE DILL, CHAIRPERSON

AND

MR. CHRIS RIFFEL

The parties hereto enter into the following agreement this 11th day of Aug, 2009.

RECITALS:

1. Town of Pembine, (hereafter referred to as "TOWN") is the owner and operator of the water treatment system.
2. Mr. Chris Riffel, (hereafter referred to as "OWNER"). is the property owner of real estate at W7978 South Street, Pembine, Wisconsin, (hereafter referred to as "PROPERTY"). (*aka 118801 Milwaukee St.*) CR
3. The water treatment system to be installed is a WHS-400 EPA Household Carbon Filtration System (hereafter referred to as "SYSTEM")
4. The TOWN is responsible for installation, operation, and maintenance for the SYSTEM at the PROPERTY.
5. It has been determined that the completion of said services requires that the TOWN install and maintain the SYSTEM on the above-referenced real estate owned by OWNER and that, therefore, the TOWN installs and maintains the SYSTEM according to system specifications.

AGREEMENT:

Therefore the parties agree as follows:

6. Incorporation by Reference. The above Recitals are incorporated herein by reference and are made a part of this Agreement.
7. Access and Purposes. OWNER hereby permits TOWN, its employees, duly authorized representatives, agents, and subcontractors, to enter upon and have rights of ingress and egress over and access at reasonable times to the property of OWNER for the following purposes.
 - To install and maintain a WHS-400 SYSTEM.
 - Quarterly checks of the SYSTEM for the first year with a minimum of annual checks thereafter.
 - Replace carbon filters after 100,000 gallons or at one year of filter use which ever is sooner according to SYSTEM specifications.

- (a) The TOWN has the right to access PROPERTY with 24 to 48 hours after notice and the TOWN and any subcontractor hired by the TOWN shall have access to the PROPERTY for SYSTEM maintenance and repair with adequate notice to the OWNER.
- (b) Should the TOWN not have the internal staffing necessary to perform all of the maintenance and repair duties assumed by the TOWN under this Agreement, and they should so desire to obtain the services of another qualified servicer in connection with the operation, maintenance and repair of the SYSTEM as required under this Agreement, and the TOWN desires to render such services to the OWNER, pursuant to this Agreement, they shall so retain the right to do so.
- (c) The TOWN shall have the right to access the PROPERTY to sample the potable well periodically (i.e. annually) at the TOWN's expense to determine when and if the SYSTEM is eligible to be shutdown and/or removed.
8. Duties of the TOWN. In addition to the above mentioned duties, the TOWN is responsible for the costs of the installation, operation, and maintenance costs of the SYSTEM. The SYSTEM will be removed upon approval from the WDNR (Wisconsin Department of Natural Resources) that the SYSTEM is no longer necessary. The TOWN will also be responsible for the shutdown and removal of the SYSTEM when WDNR approval is granted.
9. Duties of the OWNER. The Owner is responsible to notify the TOWN when the flow reaches or exceeds 100,000 gallons per filter tank and if the SYSTEM has a leak. Any damage due to negligence by the OWNER is the responsibility of the OWNER.
10. Term. The term of this Agreement will commence upon execution of this Agreement and continue for the life of the SYSTEM. If OWNER wishes to withdraw permission for continued access, said party shall notify the TOWN of this fact in writing 60 days prior to the effective date. At which time a new agreement will become effective or the OWNER assumes all responsibilities of the TOWN in regards to the Agreement.

This Agreement shall become effective as of date written above, and shall continue in the future of W7978 South Street, Pembine, Wisconsin to any succeeding homeowners that should purchase the property from the OWNER associated with this Agreement or until approval is obtained from the WDNR that the SYSTEM is no longer required, which ever comes first.

The WDNR has indicated that the SYSTEM may receive "Closure" from the WDNR upon obtaining at least four consecutive quarterly raw potable well groundwater sample results below Wisconsin drinking water standards and final approval of the closure request from the WDNR.

11. Termination. Notwithstanding, this Agreement may be terminated and the obligations of the parties hereunder shall thereupon cease with respect thereto, upon the express written consent of both parties. Such termination will not take effect until such time as both parties have presented the other with full and complete disclosure of any liabilities and responsibilities with the continued maintenance and operations requirements set forth in this initial Agreement.
- (a) In the event of the condemnation or destruction of the entire structure housing the System, either party may terminate this Agreement upon ten (10) days' written notice to the other party. Notwithstanding the foregoing, if the structure is to be rebuilt

following any such condemnation or destruction, this Agreement shall not terminate but shall be suspended during such rebuilding and shall be reinstated in accordance with its terms upon the completion of such rebuilding.

(b) If either party shall default in the performance of any of its obligations hereunder and such default shall continue for twenty (20) days after written notice from one party to the defaulting party designating such default (or if such default cannot be cured within such twenty (20) day period, then if such party does not commence to cure such, default and diligently pursue such cure to completion with a reasonable period thereafter), the party not in default may terminate this Agreement upon five (5) days' written notice to the defaulting party.

(c) In the event of WDNR granting "Closure" of the SYSTEM at the PROPERTY. Once a written notice from the WDNR is received and appropriate closure requirements are fulfilled, this Agreement shall be terminated.

13. Notices. All notices hereunder shall be in writing, shall be sent by registered or certified mail, postage prepaid and return receipt requested, or by personal delivery or courier service with a request for an acknowledgment of receipt, and shall be effective on receipt. Notices shall be sent or delivered to the following addresses or such other address(es) as a party may designate by notice given in the manner provided herein:

If to the Homeowner:
W10085 Pike Plains Rd
Dunbar, WI 54119

Mr. Chris Riffel
W7978 South Street
Pembine, Wisconsin 54156

(CKB)

If to the Town:
Pembine Town Hall
W7837 Cemetery Rd.
Pembine, Wisconsin 54156

14. Standard of Care. TOWN agrees to use its best efforts to minimize the damage caused to the property and to SYSTEM in accordance with applicable regulatory standards.
15. Applicable Law. This Agreement shall be construed in accordance with the laws of the State of Wisconsin.

This Agreement is executed and shall be effective the date and year first above written.

OWNER:

By: Christopher R. Riffel
Mr. Chris Riffel

TITLE: Property Owner

TOWN:

Steve Dill
By: _____
Mr. Steve Dill

TITLE: Town of Pembine Chairman

Lauridsen, Keld B - DNR

From: Putra, Mark F - DNR
Sent: Tuesday, November 17, 2009 9:58 AM
To: Lauridsen, Keld B - DNR
Subject: Riffel and Town of Pembine Treatment Device Approval

POST
CLOSURE

Attachments: 20090192.pdf

I am writing to inform you that the Private Water Supply Program has approved installation of the proposed water treatment device. They have indicated that pursuant to the provisions of NR 812.37, Wis. Adm. Code the treatment device may be installed if the contaminant levels fall within the treatable range of the device and all other conditions listed in the Department of Commerce (DCOM) treatment device approval are met. The benzene concentrations at this site fall within the treatable range of the device. The proposed device is limited to flow rates of less than 7.3 gpm, and the application indicates the well produces only 2 gpm. The DCOM approval includes specific requirements for a flow control device, flow meter, and sediment prefilters. These requirements are intended to make certain the flow rate is limited to less than 7.3 gpm and to make certain the incoming water is adequately free to sediment. You must comply with the DCOM conditions of approval, which are included in my email.



20090192.pdf (49
KB)

The DNR R&R Program finds the maintenance agreement to be acceptable and adequate for us to authorize installation and initial operation of the treatment device. If operational or maintenance problems occur, then DNR reserves the right to request modifications to the maintenance agreement or our permission to operate this specific treatment device.

 *Mark F. Putra, R.S.*

Chief
Private Water Supply Section
Bureau of Drinking Water and Groundwater
Wisconsin Department of Natural Resources
(☎) phone: (608) 267-7649
(☎) fax: (608) 267-7650
(✉) e-mail: mark.putra@wisconsin.gov



June 22, 2009

POST
CLOSURE

NORTH AMERICAN AQUA, INC.
OLAFUR OLAFSSON
PO BOX 130
VANDALIA, MI 49095

Re: Description: WATER TREATMENT DEVICE- ACTIVATED CARBON
Manufacturer: NORTH AMERICAN AQUA, INC.
Product Name: EPA CARBON FILTRATION SYSTEMS (POE)
Model Number(s): WHS-200EPA AND WHS-400EPA (POE)
Product File No: 20090192

The specifications and/or plans for this plumbing product have been reviewed and determined to be in compliance with chapters Comm 82 through 84, Wisconsin Administrative Code, and Chapters 145 and 160, Wisconsin Statutes.

The Department hereby issues an approval based on the Wisconsin Statutes and the Wisconsin Administrative Code. This approval is valid until the end of June 2014.

This approval supersedes the approval issued on under product file number 20090192.

This approval is contingent upon compliance with the following stipulation(s):

- This product has undergone sufficient testing to document the product's ability to reduce only those contaminants and/or substances as specified in this approval letter when the product is installed and maintained in strict accordance with the manufacturers published instructions.
- Where the Department of Natural Resources (DNR) has jurisdiction, a written approval may be required prior to installation of this product in a water supply system to reduce the concentration of a contaminant that exceeds the primary drinking water standards contained in ch. NR 809, Wis. Admin. Code, the enforcement standards contained in ch. NR 140, Wis. Admin. Code, or for a water supply system that is subject to a written advisory opinion by the DNR. For more information contact the DNR Section of Private Water Systems, P.O. Box 7921, Madison, WI 53707, telephone (608) 266-3415.
- If these approved devices are modified or additional assertions of function or performance are made, then this approval shall be considered null and void, unless the change is submitted to the department for review and the approval is reaffirmed.
- The WHS-200EPA device must have a flow control installed upstream of the device such that the flow rate through the device cannot exceed 16.3 liters per minute (lpm) [4.3 gallons per minute (gpm)].

The WHS-400EPA device must have a flow control installed upstream of the device such that the flow rate through the device cannot exceed 27.6 lpm (7.3 gpm).

- The cumulative flow volume through these devices must be metered. The meter must be reasonably tamper proof and not able to be reset.
- If these devices are installed for the purposes of 2,4-dinitrotoluene and/or 2,6-dinitrotoluene reduction, then when the capacities for 2,4-dinitrotoluene or 2,6-dinitrotoluene, as defined in this letter, have been reached both the primary and secondary carbon tanks must be replaced.

HEALTH EFFECTING ORGANIC CONTAMINANT REDUCTION CAPABILITIES
PRODUCT FILE NUMBER 20090192
TABLE 1 OF 1

Flow Rates: WHS-200EPA = 16.3 liters per minute (Lpm) [4.3 gallons per minute (gpm)]
 WHS-400EPA = 27.6 lpm (7.3 gpm)

Capacities: WHS-200EPA = 181,904 Liters (L) [48,055 gallons (gals.)]^{‡,†}
 WHS-400EPA = 489,742 L (129,379 gals.)^{‡,†}

Tested Contaminant	Influent Challenge (µg/L) ¹
Alachlor	50
Atrazine	100
Benzene [‡]	2,542 [‡]
Carbofuran	190
Carbon tetrachloride	78
Chlorobenzene	77
Chloropicrin	15
2,4-D	110
Dibromochloropropane (DBCP)	52
o-Dichlorobenzene	80
p-Dichlorobenzene	40
1,2-Dichloroethane	88
1,1-Dichloroethylene	83
cis-1,2-Dichloroethylene	170
trans-1,2-Dichloroethylene	86
1,2-Dichloropropane	80
cis-1,3-Dichloropropylene	79
2,4-Dinitrotoluene [*]	0.24 [*]
2,6-Dinitrotoluene [*]	1.6 [*]
Dinoseb	170
Endrin	53
Ethylbenzene [‡]	314 [‡]
Ethylene dibromide (EDB)	44
Haloacetonitriles (HAN):	-
Bromochloroacetonitrile	22
Dibromoacetonitrile	24
Dichloroacetonitrile	9.6
Trichloroacetonitrile	15
Haloketones (HK):	-
1,1-Dichloro-2-propanone	7.2
1,1,1-Trichloro-2-propanone	8.2
Heptachlor	80
Heptachlor epoxide	10.7
Hexachlorobutadiene	44
Hexachlorocyclopentadiene	60
Lindane	55
Methoxychlor	50
Pentachlorophenol	96
Simazine	120
Styrene	150
1,1,2,2-Tetrachloroethane	81

POST
CLOSURE

HEALTH EFFECTING ORGANIC CONTAMINANT REDUCTION CAPABILITIES
PRODUCT FILE NUMBER 20090192
TABLE 1 OF 1 (continued from previous page)

Tested Contaminant	Influent Challenge (µg/L) ¹
Tetrachloroethylene	81
Toluene ‡	2,059 ‡
2,4,5-TP (silvex)	270
Tribromoacetic acid	42
1,2,4-Trichlorobenzene	160
1,1,1-Trichloroethane	84
1,1,2-Trichloroethane	150
Trichloroethylene	180
Trihalomethanes (chloroform surrogate)	300
Xylenes (total) ‡	721 ‡

Other Conditions: the contaminant reduction performance capabilities displayed for Table 1 of 1 were verified by testing conducted in accordance with NSF *International Standard 53*. To qualify for the reduction of the organic contaminants listed above, the device must reduce the influent challenge concentration of chloroform at 300 µg/l ± 10% at each sample point by a minimum of 95%. The data displayed in this table for benzene, ethylbenzene, toluene and total xylenes were not collected via the chloroform surrogate.

1 = micrograms per liter (µg/l) are equivalent to parts per billion (ppb)

‡ = tested independently of the chloroform surrogate using field data from a contaminated private well serving a residential water supply system. The capacity of the WHS 400 EPA model for these contaminants is 88,009 Liters (l) [23,250 gallons (gal.)], the capacity of the WHS 200 EPA model for these contaminants is 40,233 l (10,628 gal.).

‡ = tested independently of the chloroform surrogate using field data from a contaminated private well serving a residential water supply system. The capacity of the WHS 400 EPA model for these contaminants is 198,961 Liters (l) [52,560 gallons (gal.)], the capacity of the WHS 200 EPA model for these contaminants is 99,481 l (26,280 gal.).

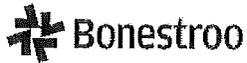
This device was tested under controlled laboratory, or field, conditions. The actual performance of this device for a specific end use installation will vary from the tested conditions based on local factors such as water pressure, water temperature and water chemistry.

The sediment prefilters, comprised of either a #10 or #20 "Big Blue" filter housing and either one or two R50-BBS pleated polyester cartridges, all manufactured by Pentek, Sheboygan WI, are considered a component of these water treatment devices and are covered under this approval. The purpose of the sediment prefilters is to reduce the sediment loading on these devices; this is necessary because these devices are not backwashed.

The department is in no way endorsing this product or any advertising, and is not responsible for any situation that may result from its use.

Sincerely,

Glen W. Schlueter
Engineering Consultant-Plumbing Product Reviewer
Bureau of Integrated Services
Safety and Buildings Division
Department of Commerce
(608) 267-1401 Phone
(608) 267-9566 Fax
glen.schlueter@wi.gov Email
8:00A – 4:30P CT Work Hours
GWS:gws



330 4th Avenue S TEL 715-762-1544
Park Falls, WI 54552 FAX 715-762-1844

POST
CLOSURE

July 21, 2009

DNR Private Water Systems Program DG/5
Post Office Box 7921
Madison, Wisconsin 53707-7921

Re: Water Supply Treatment Installation Application, Town of Pembine Garage
Client Name: Town of Pembine
Client Project No.: PECFA#54156-9999-06, WDNR#03-38-001317
Bonestroo File No.: 004363-09001-0

Dear Private Water Systems Program:

On behalf of the Town of Pembine, Bonestroo (Formerly Northern Environmental) is requesting approval to install a water supply treatment system at the Mr. Chris Riffel Residence, W7978 South Street, Pembine, Wisconsin (the Site).

Property Ownership:	Mr. Chris Riffel
Mailing Address:	W10085 Pike Plains Road Dunbar, Wisconsin 54119 715-324-6999 x3306
Water Treatment Device Operator:	The operator and owner of the proposed treatment system is the Town of Pembine. The current town contact is Mr. Steve Dill, Town Chairperson, N18967 Old Highway 141, Pembine, Wisconsin 54156.
Property Location:	W7978 South Street, Pembine, Wisconsin, Northeast ¼ of the Northwest ¼ of Section 34, Township 37 North, Range 20 East. The Site is shown on Figure 1 and includes three parcels (022-01822.000, 022-01823.00, and 022-01824.000). The property record is on Marinette County document #723600.
Property Map:	Figure 2 illustrates the Site location and the Site well in relation to the probable contaminant source.
Well Description:	The Wisconsin Department of Natural Resources Well Construction Report is attached.
Water Quality:	Water quality for the Site well was determined by collecting a sample on March 6, 2009 and laboratory analyzing it for petroleum volatile organic compounds

(PVOC), naphthalene, bacteria, arsenic, total dissolved solids, calcium, magnesium, sulfate, manganese, chloride, iron, iron bacteria, hardness, alkalinity, pH, and temperature. A summarizing the results are list on Table 1. The laboratory analytical results are attached.

Water Quantity:

The well pump information is listed on the well construction report. After pump installation, the well pumped 2 gallons per minute (gpm) for an hour. According to American Water Works Association, one person uses 69.3 gallons of water per day. The Site is occupied by one person; therefore water is used at approximately 0.05 gallons per minute.

Water Distribution Sketch:

The current water distribution system is illustrated on Figure 3 and pictures of the system are shown in Figure 4.

Water Treatment Device or System
Installation Information:

The Wisconsin Department of Commerce approved water treatment system to be installed is a North American Aqua, Inc. WHS-400 EPA product. The WHS-400 EPA treatment system is comprised of a pre-filter assembly, two 13 inch by 54 inch fiberglass tanks filled with 110 pounds of carbon, a flow meter, and a couple of sampling ports. The system has no bypass to prevent the accidental use of non-treated water. The first tank removes the majority of the contaminants and the second tank is back up tank. The treatment system has the capacity to treat 5 gpm with a retention time of 11 minutes per tank. The system schematic is illustrated on Figure 5.

The WHS-400 EPA treatment system will be installed by Goodmen Plumbing and Heating, which is a local licensed plumber. The system is to be installed at the well head before the conditioning unit, the water heater, and water taps. The proposed location of the treatment system will be in the corner to the right of the filter and to the left of the conditioning unit (see current system pictures).

Maintenance Program:

The maintenance program for the WHS-400 EPA system includes periodic (quarterly for the first year and to be adjusted there after) water flow checks. The first tank is to be changed out after 100,000 gallons or approximately one year from system start up, either the carbon has been depleted or to prevent bacterial growth. The second, back up tank is switched into the first position and a new tank replaces the second position. The tanks can be changed out by North

American Aqua or a new tank can be shipped to the Site and replaced. The depleted carbon tank is treated by North American Aqua by regenerating the carbon or by sending it to a landfill. The Maintenance and Operational Agreement with the Town of Pembine and Mr. Chris Riffel are attached.

Please except this information as an application for the installation of the WHS-400 EPA water treatment system by North American Aqua, Inc. at W7978 South Street, Pembine, Wisconsin.

We trust this information meets your needs. Please feel free to contact us at 715-854-3360 if you have any questions or concerns regarding this request.

Sincerely,

BONESTROO



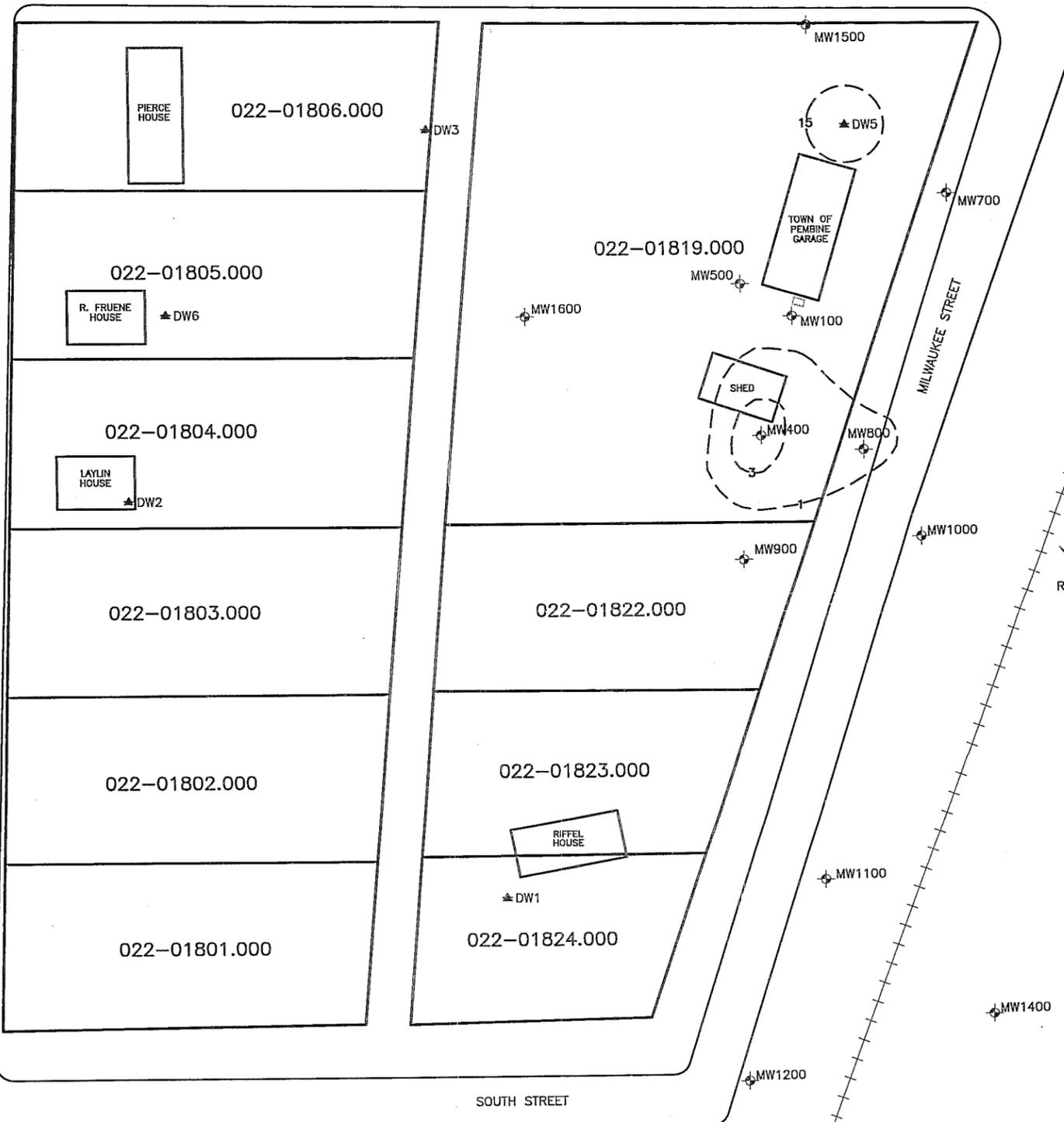
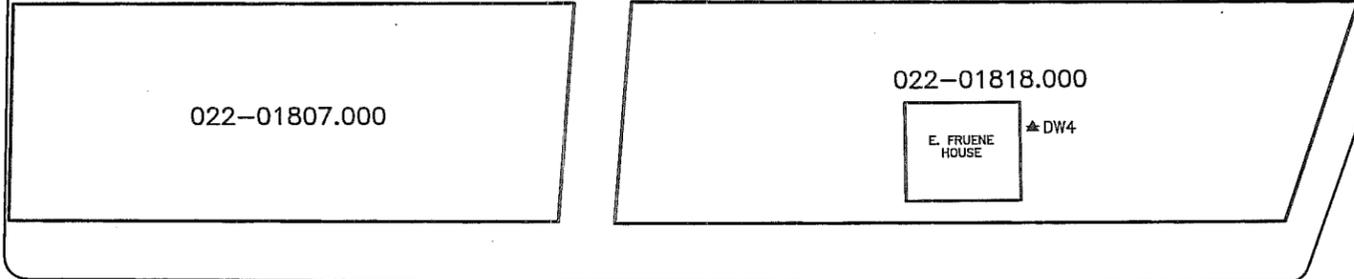
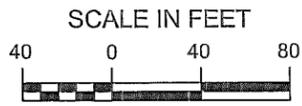
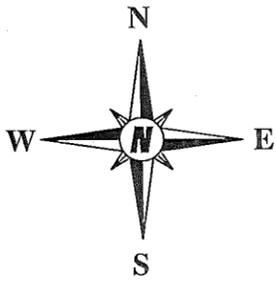
Hollie M. DePuydt
Staff Engineer



Lynelle P. Caine
Senior Project Manager

Enclosure

c: Mr. Steve Dill, Town of Pembine
Ms. Kristin DuFresne, WDNR
Ms. Beth Erdman, WDCOM
Mr. Chris Riffel



WILLIS AVENUE

SCOTT STREET

MILWAUKEE STREET

SOUTH STREET

RAILROAD TRACKS

PARK
▲ DW7

- LEGEND**
- FORMER 1,000 GALLON UST AND DISPENSER ISLAND LOCATION
 - PRIVATE WELL LOCATION
 - MONITORING WELL LOCATION
 - BENZENE CONCENTRATION CONTOUR
 - APPROXIMATE PROPERTY BOUNDARY

Northern Environmental
 Hydrologists • Engineers • Surveyors • Scientists
 330 South 4th Avenue, Park Falls, Wisconsin 54552
 Phone: 800-498-3913 Fax: 715-762-1844

WISCONSIN • MICHIGAN • ILLINOIS • IOWA

This drawing and all information contained therein is the property of Northern Environmental. Northern Environmental will not be held liable for improper or incorrect usage. Professional seals and signatures do not apply to electronic drawing files. The user assumes all responsibility and risk for the accuracy and verification of all information contained in electronic files.

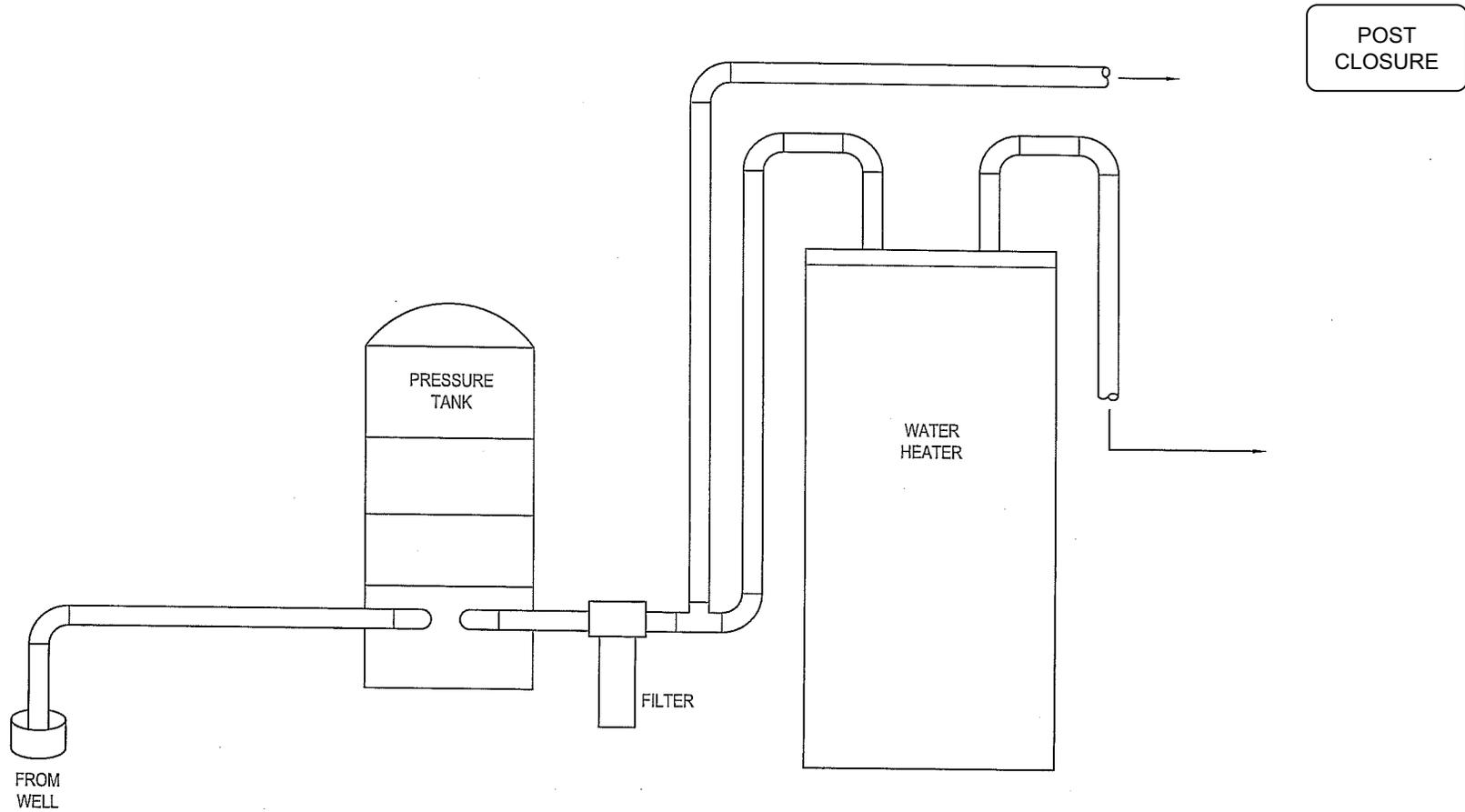
SITE LAYOUT

TOWN OF PEMBINE GARAGE
PEMBINE WISCONSIN

PROJECT NUMBER: 400-1379

FIGURE 2

DATE: 07/21/09	DRAWN BY: NLB	TASK NUMBER: XXX
----------------	---------------	------------------




Northern Environmental
 Hydrologists • Engineers • Surveyors • Scientists
 330 South 4th Avenue, Park Falls, Wisconsin 54552
 Phone: 800-498-3913 Fax: 715-762-1844
 WISCONSIN MICHIGAN ILLINOIS IOWA
This drawing and all information contained thereon is the property of Northern Environmental. Northern Environmental will not be held liable for improper or incorrect usage. Professional seals and signatures do not apply to electronic drawing files. The user assumes all responsibility and risk for the accuracy and verification of all information contained in electronic files.

APPROXIMATE
 EXISTING LAYOUT
 TOWN OF PEMBINE GARAGE
 PEMBINE, WISCONSIN

DATE: 04/01/09	DRAWN BY: NLB	TASK NUMBER: XXX	PROJECT NUMBER: 400-1379	FIGURE 3
----------------	---------------	------------------	--------------------------	----------

POST
CLOSURE



Northern Environmental
Hydrologists • Engineers • Surveyors • Scientists
330 South 4th Avenue, Park Falls, Wisconsin 54552
Phone: 800-498-3913 Fax: 715-762-1844

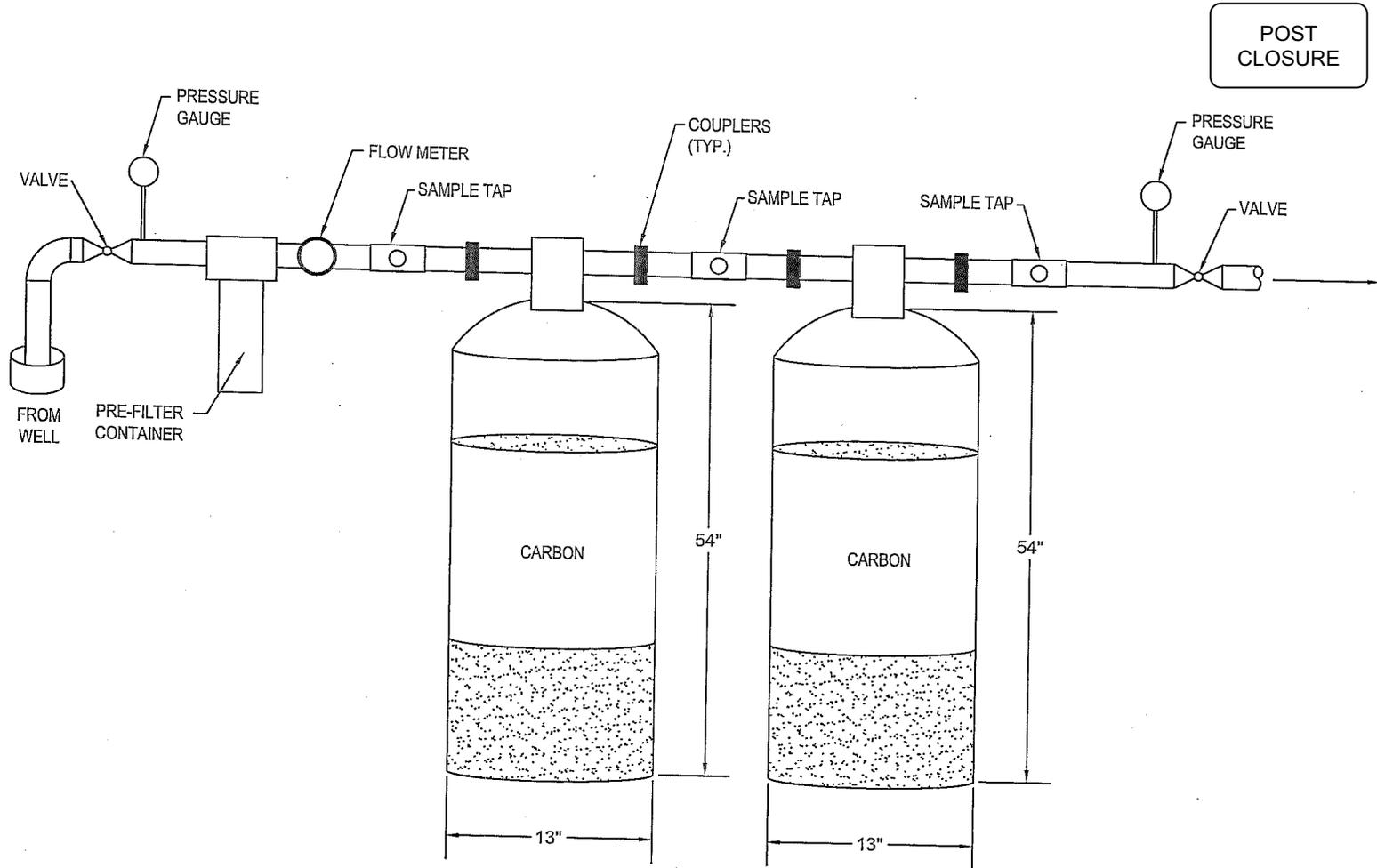
WISCONSIN ▲ MICHIGAN ▲ ILLINOIS ▲ IOWA

This drawing and all information contained thereon is the property of Northern Environmental. Northern Environmental will not be held liable for improper or incorrect usage. Professional seals and signatures do not apply to electronic drawing files. The user assumes all responsibility and risk for the accuracy and verification of all information contained in electronic files.

EXISTING LAYOUT PHOTOS

TOWN OF PEMBINE GARAGE
PEMBINE, WISCONSIN

DATE: 04/01/09 | DRAWN BY: NLB | TASK NUMBER: XXX | PROJECT NUMBER: 400-1379 | FIGURE 4

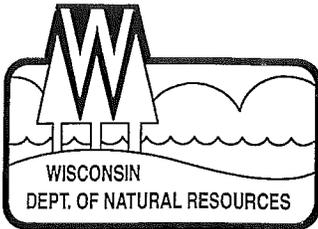


 Hydrologists • Engineers • Surveyors • Scientists 330 South 4th Avenue, Park Falls, Wisconsin 54552 Phone: 800-498-3913 Fax: 715-762-1844		PROPOSED TREATMENT SYSTEM LAYOUT	
WISCONSIN MICHIGAN ILLINOIS IOWA		TOWN OF PEMBINE GARAGE PEMBINE, WISCONSIN	
<small>This drawing and all information contained thereon is the property of Northern Environmental. Northern Environmental will not be held liable for improper or incorrect usage. Professional seals and signatures do not apply to electronic drawing files. The user assumes all responsibility and risk for the accuracy and verification of all information contained in electronic files.</small>			
DATE: 04/01/09	DRAWN BY: NLB	TASK NUMBER: XXX	PROJECT NUMBER: 400-1379
			FIGURE 5

Table 1 Private Well Analytical Results, Riffel Well, Town of Pembine Garage, Pembine, Wisconsin

Well ID	Date Sampled	Metal Analytical Results (µg/L)					Inorganic Chemistry Analytical Results (mg/L)					Bacteria Analytical Results			
		Arsenic, dissolved	Calcium, dissolved	Iron, dissolved	Magnesium, dissolved	Manganese, dissolved	Alkalinity, Total	Chlorides, Total	Hardness	pH (su) (@ 22.5°C)	Sulfate, dissolved	Total Dissolved Solids	Coliform (cfu/ml)	E-Coli (mpn)	Iron Bacteria (mpn)
NR 140 Preventive Action Limit		1	NE	150	NE	50	NE	125	NE	NE	125	NE	0	0	NE
NR 140 Enforcement Standard		10	NE	300	NE	150	NE	250	NE	NE	250	NE	0	0	NE
Riffel	03/06/09	<0.6	139000	2020	47200	783	16	1020	720	7.20	12.4	2000	<1	<1	<1

- Key:*
- VOC = Volatile Organic Compound
 - µg/l = micrograms per liter
 - MTBE = Methyl-Tertiary-Burty-Ether
 - NE = Not Established by Wis. Adm. Code
 - < X = Not detected above Laboratory Limit of Detection (LOD) of X.
 - J = Analyte detected between Limit of Detection and Limit of Quantitation
 - 32 = NR 140 Preventive Action Limit Exceeded
 - 32 = NR 140 Enforcement Standard Exceeded



State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

Jim Doyle, Governor
Matthew J. Frank, Secretary
Ronald W. Kazmierczak, Regional Director

Northeast Region Headquarters
2984 Shawano Ave.
Green Bay, Wisconsin 54313-6727
Telephone 920-662-5100
FAX 920-662-5413
TTY Access via relay - 711

August 23, 2010

POST
CLOSURE

Mr. Chris Riffel
W10085 Pike Plains Road
Dunbar, WI 54119-9285

SUBJECT: Continuing Obligations and Property Owner Requirements for
W7978 South Street (aka N18801 Milwaukee Street), Pembine, WI
Parcel Numbers: 022-01824.000, 022-01823.000 & 022-01822.000

Final Case Closure for Pembine Garage
N18835 Milwaukee Street, Pembine, WI
WDNR BRRTS Activity #: 03-38-001317

Dear Mr. Riffel:

The purpose of this letter is to notify you that certain continuing obligations apply to your property located at W7978 South Street (aka N18801 Milwaukee Street), Pembine, Wisconsin, (referred to in this letter as the "Property") due to contamination remaining on the Property. The continuing obligations are part of the cleanup and case closure approved for the Pembine Garage case, located at N18835 Milwaukee Street, Pembine Garage. (The case is referenced by the location of the source property, i.e. the property where the original discharge occurred, prior to contamination migrating to the Property.) The continuing obligations that apply to the Property are stated as conditions in the attached closure approval letter, and are consistent with s. 292.12, Wis. Stats., and ch. NR 700, Wis. Adm. Code, rule series. They are meant to limit exposure to any remaining environmental contamination at the Property. These continuing obligations will also apply to future owners of the Property, until the conditions no longer exist at the Property.

It is common for properties with approved cleanups to have continuing obligations as part of cleanup/closure approvals. Information on continuing obligations on properties is shown on the Internet at <http://dnr.wi.gov/org/aw/rr/gis/index.htm>. How to find further information about the closure and residual contamination for this site can be located at <http://dnr.wi.gov/org/aw/rr/clean.htm>.

The Department reviewed and approved the case closure request regarding the petroleum contamination in soil and groundwater associated with the Pembine Garage site, based on the information submitted by Bonestroo. As required by state law, you received notification about the requested closure from the person conducting the cleanup. No further investigation or cleanup is required at this time. However, the closure decision is conditioned on the long-term compliance with certain continuing obligations, as described below.

Continuing Obligations Applicable to Your Property

A number of continuing obligations are described in the attached case closure letter to Ms. Sheri Stepien, dated August 23, 2010. However, only the following continuing obligations apply to your Property.

- Residual groundwater contamination.
- Operation and maintenance of the water supply treatment system.

GIS Registry – Well Construction Approval Needed

Because of the residual petroleum contamination and the continuing obligations, this site, which includes your Property, will be listed on the Department's internet accessible GIS Registry, at <http://dnr.wi.gov/org/aw/rr/gis/index.htm>. If you intend to construct or reconstruct a well on the Property, you will need to get Department approval in accordance with s. NR 812.09(4) (w), Wis. Adm. Code. To obtain approval, Form 3300-254 needs to be completed and submitted to the DNR Drinking and Groundwater program's regional water supply specialist. A well driller can help with this form. This form can be obtained on-line <http://dnr.wi.gov/org/water/dwg/3300254.pdf>. If at some time, all these continuing obligations are fulfilled, and the remaining contamination is either removed or meets applicable standards, you may request the removal of the Property from the GIS Registry.

Please be aware that the Department's Drinking and Groundwater Program is in the process of creating a bedrock well casing recommendation for a portion of the Town of Pembine. This well casing recommendation is intended to aid surrounding property owners who may choose to install a bedrock drinking water well on their property. To date a successful well construction alternative has not been found which does not have contamination. One attempt to construct a well in bedrock in the area failed to produce uncontaminated water. Future bedrock wells installed in this area may need water treatment. Upon request, a copy of the well casing recommendation will be provided to you. Continued liability related to the quality of water obtained from a well in this area, is a factor both the current property owner and future prospective owners should be aware of.

The Department's Drinking and Groundwater Program issued a drinking water advisory for the bedrock well (WK522) located on your property. The advisory was for an exceedance of the drinking water standard for benzene (5 micrograms per liter). **The November 20, 2008 drinking water advisory remains in place. Untreated water from your bedrock well should not be used for drinking or food preparation purposes.**

Property Owner Responsibilities

The owner (you and any subsequent property owner) of this Property is responsible for compliance with these continuing obligations, pursuant to s. 292.12, Wis. Stats. You are strongly encouraged to pass on the information about these continuing obligations to anyone who purchases this property from you (i.e. pass on this letter). For residential property transactions, you are required to make disclosures under Wis. Stats. s. 709.02. You may have additional obligations to notify buyers of the condition of the property and the continuing obligations set out in this letter and the closure letter.

Please be aware that failure to comply with the continuing obligations may result in enforcement action by the Department. The Department intends to conduct inspections in the future to ensure that the conditions included in this letter, including compliance with referenced maintenance plans, are met.

These responsibilities are the property owner's. A property owner may enter into a legally binding agreement (such as a contract) with someone else (the person responsible for the cleanup) to take responsibility for compliance with the continuing obligations. If the person with whom any property

POST
CLOSURE

owner has an agreement fails to adequately comply with the appropriate continuing obligations, the Department has the authority to require the property owner to complete the necessary work.

A legal agreement between you and another party to carry out any of the continuing obligations listed in this letter does not automatically transfer to a new owner of the property. If a subsequent property owner cannot negotiate a new agreement, the responsibility for compliance with the applicable continuing obligations resides with that Property owner.

When maintenance of a continuing obligation is required, the Property owner is responsible for inspections, repairs, or replacements as needed. Such actions should be documented by the Property owner and the records kept accessible for the Department to review for as long as the Department directs.

You and any subsequent Property owners are responsible for notifying the Department, and obtaining approval, before making any changes to the property that would affect the obligations applied to the Property. Send all written notifications in accordance with the above requirements to:

Department of Natural Resources
Attn: Kristin DuFresne
2984 Shawano Avenue
Green Bay, WI 54313-6727

The following DNR fact sheet, RR-819, "Continuing Obligations for Environmental Protection" has been included with this letter, to help explain a property owner's responsibility for continuing obligations on their property. If the fact sheet is lost, you may obtain a copy at <http://dnr.wi.gov/org/aw/rr/archives/pubs/RR819.pdf>.

Under s. 292.13, Wis. Stats., owners of properties affected by contamination from another property are generally exempt from investigating or cleaning up a hazardous substance discharge that has migrated onto a property from another property, through the soil, groundwater or sediment pathway. However, the exemption under s. 292.13, Wis. Stats., does not exempt the property owner from the responsibility to maintain a continuing obligation placed on the property in accordance with s. 292.12, Wis. Stats. To maintain this exemption, that statute requires the current property owner and any subsequent property owners, to meet the conditions in the statute, including:

- Granting reasonable access to DNR or responsible party, or their contractors;
- Avoiding interference with response actions taken; and
- Avoiding actions that make the contamination worse (e.g., demolishing a structure and causing or worsening the discharges to the environment).

The Department appreciates your efforts. If you have any questions regarding this closure decision or anything outlined in this letter, please contact Kristin DuFresne at 920-662-5443.

Sincerely,



Bruce G. Urben
Northeast Region Remediation & Redevelopment Team Supervisor

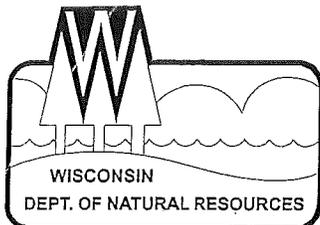
POST
CLOSURE

Attachments

Final Case Closure with Continuing Obligations Letter, August 23, 2010
Well Construction Report for Wisconsin Unique Well Number WK522
Drinking Water – Health Advisory, November 20, 2008
Continuing Obligations for Environmental Protection – DNR Publication RR-819

cc: Sheri Stepien, Town of Pembine
W7837 Cemetery Road, Pembine, WI 54156
Steve Dill, Town of Pembine Chairman
N18765 Sauld Street, Pembine, WI 54156
Hollie DePuydt, Bonestroo – Park Falls
Bob Barnum, DNR – NERH
Rick Stoll, DNR - NERH
Neal Kutchery, DNR – Peshtigo
Beth Erdman, Department of Commerce – Oshkosh

Received 11-24-08



State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

Jim Doyle, Governor
 Matthew J. Frank, Secretary
 Ronald W. Kazmierczak, Regional Director

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

November 20, 2008

POST
CLOSURE

Christopher Riffel
 W7978 South Street
 Pembine, WI 54156

Subject: Health Advisory

Dear Mr. Riffel:

As you know, water samples were collected from your drinking water well at the above address, which is located in the SE1/4 of the NW1/4 of Section 34, Township 37 North, Range 20 East, Town of Pembine, Marinette County. The water samples were collected on October 9, 2008 as a follow up to sampling that you had previously done on July 30, 2008. The samples were analyzed for a broad range of volatile organic chemicals (VOC's) by the State Lab of Hygiene.

The testing laboratory reported that the following chemicals were detected in your drinking water.

	<u>07-30-08</u>	<u>10-09-08</u>	<u>Drinking Water Standard</u> <u>NR 809 MCL</u>	
BENZENE	7.4 ug/l	8.8 ug/l	5.0 ug/l	(.005 mg/l)
N-BUTYLBENZINE	0.67 ug/l	2.3 ug/l	No Standard	
SEC-BUTYLBENZINE	1.6 ug/l	1.9 ug/l	No Standard	
1,2-DICHLOROETHANE	ND	0.16 ug/l	5.0 ug/l	
ETHYLBENZENE	8.1 ug/l	16.0 ug/l	700.0 ug/l	(.7 mg/l)
ISOPROPYLBENZENE	3.1 ug/l	3.4 ug/l	No Standard	
P-ISOPROPYLTOLUENE	.62 ug/l	0.97 ug/l	No Standard	
METHYL-T-BUTYL-ETHER	8.0 ug/l	12.0 ug/l	No Standard	
NAPHTHALENE	4.3 ug/l	8.4 ug/l	No Standard	
N-PROPYLBENZEZE	2.8 ug/l	4.7 ug/l	No Standard	
TOLUENE	2.5 ug/l	3.3 ug/l	1000.0 ug/l	(1.0 mg/l)
124-TRIMETHYLBENZENE	0.62 ug.l	7.3 ug/l	No Standard	



POST
CLOSURE

	<u>07-30-08</u>	<u>10-09-08</u>	<u>Drinking Water Standard</u> <u>NR809 MCL</u>
135 TRIMETHYLBENZENE	ND	1.8 ug/l	No Standard
XYLENE TOTAL	1.6 ug/l	9.4 ug/l	10,000 ug/l (10 mg/l)

(MCL = Maximum Contamination Level) (ug/l = micrograms per liter) (mg/l = milligrams per liter)

Of the chemicals that were detected above, BENZENE was the only one detected at a concentration greater than the current drinking water standard of 5 ug/l . This level of benzene may pose a potential health risk from your drinking water. It's our understanding that you were previously informed of the first test results by Drake Environmental Inc. and were advised not to use the water at that time. They also provided you with bottled water for your use at that time.

Because the elevated concentration of benzene poses a potential health risk, we advise that the water not be used for drinking or food preparation purposes.

Should you have any health related questions, you may wish to contact Mr. Dennis Hibray of the Department of Health and Family Services, Division of Public Health, 200 North Jefferson Street, Suite 126, Green Bay WI 54301, (920)448-5265.

Kristin DuFresne from our Remediation and Redevelopment Program will be contacting you in the near future with some information on the possibility of alternative water supplies for your residence. Kristin's phone number is (920) 662-5443.

If you have any questions concerning this letter, please feel free to call me at (715) 582-5011.

Sincerely,



Neal Kutchery
Water Supply Specialist

Private Water Supply - DG/5
Kristin DuFresne - NER



Wisconsin State Laboratory of Hygiene
 2601 Agriculture Drive, PO Box 7996
 Madison, WI 53707-7996
 (800)442-4618 • FAX (608)224-6213
 http://www.slh.wisc.edu

POST
 CLOSURE

Laboratory Report

D.F. Kurtycz, M.D., Medical Director • Charles D. Brokopp, Dr.P.H., Director

Environmental Health Division

Organic Chemistry

WDNR LAB ID: 113133790

NELAP LAB ID: E37658 EPA LAB WI00007

WI DATCP ID: 105-415

WSLH Sample: OT001449

NEAL KUTCHERY
 101 N. OGDEN ROAD
 PESHTIGO, WI 54157

Bill To
 Billing ID: 7320118
 Customer ID: 334464
 WDNR DG052
 101 S WEBSTER
 MADISON WI 53702

ID#:
 Waterbody/Outfall Id:
 Point/Well:
 Account #: DG052
 Project No:
 Date Received: 10/10/2008 07:12:00
 Date Reported: 10/22/2008
 Sample Reason: Investigation

Field #:

Collection Start: 10/09/2008 14:05:00

Collection End:

Collected By: N. KUTCHERY

County: MARINETTE

Sample Source: OTHER

Sample Depth:

Sample Information:

Sample Location: CHRISTOPHER RIFFEL, W7978 SOUTH ST. PEMBINE, WI

Sample Description: PRESSURE TANK TAP

Analyses and Results:

Analysis Date	Lab Comment				
10/20/2008 15:33:59	SEE OT001449.MM1				
Analysis Method	Result	Units	LOD	LOQ	Report Limit
BENZENE	8.8	UG/L	0.15	0.50	
BROMOBENZENE	ND	UG/L	0.15	0.50	
BROMOCHLOROMETHANE	*RPD ND	UG/L	0.15	0.50	
BROMODICHLOROMETHANE	ND	UG/L	0.15	0.50	
BROMOFORM	ND	UG/L	0.15	0.50	
BROMOMETHANE	ND	UG/L	0.15	0.50	
N-BUTYLBENZENE	2.3	UG/L	0.15	0.50	
SEC-BUTYLBENZENE	1.9	UG/L	0.15	0.50	
TERT-BUTYLBENZENE	ND	UG/L	0.15	0.50	
CARBON TETRACHLORIDE	*LML ND	UG/L	0.15	0.50	
CHLOROBENZENE	ND	UG/L	0.15	0.50	
CHLOROETHANE	ND	UG/L	0.15	0.50	
CHLOROFORM	ND	UG/L	0.15	0.50	
CHLOROMETHANE	ND	UG/L	0.15	0.50	
2-CHLOROTOLUENE	ND	UG/L	0.15	0.50	



Wisconsin State Laboratory of Hygiene
2601 Agriculture Drive, PO Box 7996
Madison, WI 53707-7996
(800)442-4618 • FAX (608)224-6213
<http://www.slh.wisc.edu>

POST
CLOSURE

Laboratory Report

D.F. Kurtycz, M.D., Medical Director • Charles D. Brokopp, Dr.P.H., Director

Environmental Health Division

Organic Chemistry

WDNR LAB ID: 113133790

NELAP LAB ID: E37658 EPA LAB WI00007

WI DATCP ID: 105-415

WSLH Sample: OT001449

Analysis Method	Result	Units	LOD	LOQ	Report Limit
4-CHLOROTOLUENE	ND	UG/L	0.15	0.50	
DIBROMOCHLOROMETHANE	ND	UG/L	0.15	0.50	
1,2-DIBROMO-3-CHLOROPROPANE	ND	UG/L	0.20	0.66	
1,2-DIBROMOETHANE (EDB)	ND	UG/L	0.15	0.50	
DIBROMOMETHANE	ND	UG/L	0.15	0.50	
1,2-DICHLOROBENZENE	ND	UG/L	0.15	0.50	
1,3-DICHLOROBENZENE	ND	UG/L	0.15	0.50	
1,4-DICHLOROBENZENE	ND	UG/L	0.15	0.50	
DICHLORODIFLUOROMETHANE	ND	UG/L	0.20	0.66	
1,1-DICHLOROETHANE	ND	UG/L	0.15	0.50	
1,2-DICHLOROETHANE	0.16	UG/L	0.15	0.50	
1,1-DICHLOROETHYLENE	ND	UG/L	0.15	0.50	
CIS-1,2-DICHLOROETHYLENE	ND	UG/L	0.15	0.50	
TRANS-1,2-DICHLOROETHYLENE	ND	UG/L	0.15	0.50	
1,2-DICHLOROPROPANE	ND	UG/L	0.15	0.50	
1,3-DICHLOROPROPANE	ND	UG/L	0.15	0.50	
2,2-DICHLOROPROPANE	ND	UG/L	0.15	0.50	
1,1-DICHLOROPROPENE	ND	UG/L	0.15	0.50	
CIS-1,3-DICHLOROPROPENE	ND	UG/L	0.15	0.50	
TRANS-1,3-DICHLOROPROPENE	ND	UG/L	0.15	0.50	
ETHYLBENZENE	16.	UG/L	0.15	0.50	
HEXACHLOROBUTADIENE	ND	UG/L	0.15	0.50	
ISOPROPYLBENZENE	3.4	UG/L	0.15	0.50	
P-ISOPROPYLTOLUENE	0.97	UG/L	0.15	0.50	
METHYL-TERT-BUTYL ETHER	12.	UG/L	0.15	0.50	
METHYLENE CHLORIDE	ND	UG/L	0.15	0.50	
NAPHTHALENE	8.4	UG/L	0.15	0.50	
N-PROPYLBENZENE	4.7	UG/L	0.15	0.50	
STYRENE	ND	UG/L	0.15	0.50	
1,1,1,2-TETRACHLOROETHANE	ND	UG/L	0.20	0.66	
1,1,2,2-TETRACHLOROETHANE	ND	UG/L	0.15	0.50	
TETRACHLOROETHYLENE	ND	UG/L	0.15	0.50	
TOLUENE	3.3	UG/L	0.15	0.50	
1,2,3-TRICHLOROBENZENE	ND	UG/L	0.15	0.50	
1,2,4-TRICHLOROBENZENE	ND	UG/L	0.15	0.50	



Wisconsin State Laboratory of Hygiene
 2601 Agriculture Drive, PO Box 7996
 Madison, WI 53707-7996
 (800)442-4618 • FAX (608)224-6213
 http://www.slh.wisc.edu

POST
 CLOSURE

Laboratory Report

D.F. Kurtycz, M.D., Medical Director • Charles D. Brokopp, Dr.P.H., Director

Environmental Health Division

Organic Chemistry

WDNR LAB ID: 113133790

NELAP LAB ID: E37658 EPA LAB WI00007

WI DATCP ID: 105-415

WSLH Sample: OT001449

Analysis Method	Result	Units	LOD	LOQ	Report Limit
1,1,1-TRICHLOROETHANE	ND	UG/L	0.15	0.50	
1,1,2-TRICHLOROETHANE	ND	UG/L	0.15	0.50	
TRICHLOROETHYLENE	ND	UG/L	0.15	0.50	
TRICHLOROFLUOROMETHANE	*QL*LML ND	UG/L	0.15	0.50	
1,2,3-TRICHLOROPROPANE	ND	UG/L	0.15	0.50	
1,2,4-TRIMETHYLBENZENE	7.3	UG/L	0.15	0.50	
1,3,5-TRIMETHYLBENZENE	1.8	UG/L	0.15	0.50	
VINYL CHLORIDE	ND	UG/L	0.20	0.66	
M/P-XYLENE	6.9	UG/L	0.15	0.50	
O-XYLENE	2.5	UG/L	0.15	0.50	

OT001449.MM1:

THE FOLLOWING QUALIFIERS EXIST FOR THE DATA THAT IS REPORTED FOR WISCONSIN STATE LABORATORY OF HYGIENE (WSLH) SAMPLE OT001449.

THE LOWER QC LIMIT FOR THE CALIBRATION CHECK IS EXCEEDED INDICATED BY *QL.

THE LAB MATRIX SPIKE DOES NOT MEET THE LOWER QC LIMIT INDICATED BY *LML. THE RELATIVE PERCENT DIFFERENCE FOR THE MATRIX SPIKE AND MATRIX SPIKE DUPLICATE DOES NOT MEET THE QC LIMIT INDICATED BY *RPD.

THIS SAMPLE MAY CONTAIN THE COMPOUNDS LISTED BELOW ACCORDING TO TENTATIVE COMPUTER IDENTIFICATION FROM GAS CHROMATOGRAPHY/MASS SPECTROSCOPY ANALYSIS. THE CONCENTRATION OF THE CONTAMINANTS COULD NOT BE DETERMINED, NOR HAS THE PRESENCE OF THE COMPOUNDS BEEN CONFIRMED BY ALTERNATIVE ANALYSIS TECHNIQUES.

ALKYLATED BENZENES
 HYDROCARBONS

IF YOU HAVE ANY QUESTIONS, CONTACT STEVE GEIS AT (608) 224-6269.

Analysis Date

Lab Comment

10/20/2008 15:33:59

Analysis Method

Result

Units

LOD

LOQ

Report Limit

VOCS IN WATER BY GC/MS - PREP -
 METHOD 524.2

COMPLETE



Wisconsin State Laboratory of Hygiene
 2601 Agriculture Drive, PO Box 7996
 Madison, WI 53707-7996
 (800)442-4618 • FAX (608)224-6213
<http://www.slh.wisc.edu>

POST
CLOSURE

Laboratory Report

D.F. Kurtycz, M.D., Medical Director • Charles D. Brokopp, Dr.P.H., Director

Environmental Health Division

Organic Chemistry

WDNR LAB ID: 113133790

NELAP LAB ID: E37658

EPA LAB WI00007

WI DATCP ID: 105-415

WSLH Sample: OT001449

Analysis Date	Lab Comment					
10/10/2008						
Analysis Method	Result	Units	LOD	LOQ	Report Limit	
TEMPERATURE ON RECEIPT-ICED	ICED					

Test results for NELAP accredited tests are certified to meet the requirements of the NELAC standards. For a list of accredited analytes see <http://www.slh.wisc.edu/nelap/>

List of Abbreviations:
 LOD = Level of detection
 LOQ = Level of quantification
 ND = None detected. Results are less than the LOD

Responsible Party: Steve Geis

If there are questions about this report, please contact Steve Geis at 608-224-6269.

The results in this report apply only to the sample specifically listed above. This report is not to be reproduced except in full.



State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

Jim Doyle, Governor
Scott Hassett, Secretary
Ronald W. Kazmierczak, Regional Director

Northeast Region Headquarters
2984 Shawano Ave., P.O. Box 10448
Green Bay, Wisconsin 54307-0448
Telephone 920-662-5100
FAX 920-662-5413
TTY Access via relay - 711

September 18, 2006

Ms. Sheri Stepien
Town of Pembine
W7837 Cemetery Road
Pembine, WI 54156

Subject: Conditional Closure Decision with Requirements to Achieve Final Closure
Pembine Garage, N18835 Milwaukee Street, Pembine, Wisconsin
WDNR BRRTS Activity # 03-38-001317

Dear Ms. Stepien:

On September 7, 2006, the Wisconsin Department of Natural Resources Northeast Region Closure Committee reviewed your request for closure of the case described above. The Northeast Region Closure 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 1,000-gallon underground storage tank appears to have been investigated and remediated to the extent practicable under site conditions. Your case has been remediated to Department standards in accordance with s. NR 726.05, Wis. Adm. Code and will be closed if the following conditions are satisfied:

The monitoring wells and soil vapor extraction 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 Kristin DuFresne on Form 3300-5B found at www.dnr.state.wi.us/org/water/dwg/qw/ or provided by the Department of Natural Resources.

Any remaining purge water, waste and/or soil piles generated as part of site investigation or remediation activities must be removed from the site and disposed of or treated in accordance with Department of Natural Resources' rules. Once that work is completed, please send appropriate documentation regarding the treatment or disposal of the remaining purge water, waste and/or soil piles.

Due to the ch. NR 140, Wis. Adm. Code, enforcement standard exceedance for benzene, the Department's Drinking and Groundwater Program will be issuing a drinking water advisory for drinking water well DW5. This well should not be used for consumption purposes and signage stating "Water is Not for Consumption" is recommended.

When the above conditions have been satisfied, please submit the appropriate documentation (for example, well abandonment forms, disposal receipts, copies of correspondence, etc.) to verify that applicable conditions have been met, and your case will be closed. 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 GIS Registry. To review the site on the GIS Registry web page, visit <http://maps.dnr.state.wi.us/brrts>.

If this is a PECFA site, section 101.143, Wis. Stats., requires that PECFA claimants seeking reimbursement of interest costs, for sites with petroleum contamination, submit a final reimbursement claim within 120 days after they receive a closure letter on their site. For claims not received by the PECFA Program within 120 days of the date of this letter, interest costs after 60 days of the date of this letter will not be eligible for PECFA reimbursement.

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 920-662-5443.

Sincerely,



Kristin DuFresne
Hydrogeologist
Bureau for Remediation & Redevelopment

cc: Chris Mattson, ECCI
P.O. Box 614, Rhinelander, WI 54501
Neal Kutchery, DNR – Peshtigo
Bill Phelps, DG/2
Beth Erdman, Commerce - Oshkosh

340827

VOL : 342 PAGE 524

THIS INDENTURE, Made this 19th day of June A. D. 1969
between

ELMER G. SCHLAIS and JOSEPHINE E. SCHLAIS, his
wife, of Pembine, Wisconsin 54156

part 1ES of the first part, and
TOWN OF PEMBINE, a Political Subdivision of
Marinette County, Wisconsin 54156

party of the second part,
Witnesseth, That the said part 1ES of the first part, for and in consideration
of the sum of One Dollar (\$1.00) and other good and
consideration

RETURN TO
to them in hand paid by the said party of the second part, the receipt
whereof is hereby confessed and acknowledged, have given, granted, bargained, sold, remised, released, aliened,
conveyed and confirmed, and by these presents to give, grant, bargain, sell, remise, release, alien, convey, and
confirm unto the said party of the second part, ITS SUCCESSORS and assigns forever, the following
described real estate, situated in the County of Marinette and State of Wisconsin, to wit:

Lots Nineteen (19), Twenty (20) and Twenty-one (21) of
Assessor's Plat of Marinette County Addition of the Village
of Pembine (part of the Northeast Quarter of the Northwest
Quarter (NE $\frac{1}{4}$ -NW $\frac{1}{4}$) of Section Thirty-four (34), Township
Thirty-seven (37), Range Twenty (20) East).

Together with all and singular the hereditaments and appurtenances thereunto belonging or in any way
appertaining; and all the estate, right, title, interest, claim or demand whatsoever, of the said part 1ES of the
first part, either in law or equity, either in possession or expectancy of, in and to the above bargained premises, and
their hereditaments and appurtenances.

To Have and to Hold the said premises as above described with the hereditaments and appurtenances, unto
the said party of the second part, and to ITS SUCCESSORS and assigns FOREVER.

And the said Elmer G. Schlais and Josephine E. Schlais, his wife,

for themselves, their heirs, executors and administrators, do covenant, grant, bargain, and
agree to and with the said party of the second part, ITS SUCCESSORS and assigns that at the time of the
conveying and delivery of these presents they are well seised of the premises above described, as of a
good, sure, perfect, absolute and indefeasible estate of inheritance in fee simple, in fee simple, absolute, the same are
free and clear from all incumbrances whatsoever.

and that the said party of the second part, ITS SUCCESSORS and assigns, shall defend the title to the premises above described, and shall
defend the title to the premises above described, and shall defend the title to the premises above described, and shall defend the title to the premises above described,
we will forego WARRANTY AND DEFEND

In Witness Whereof, the said part 1ES of the first part, have hereunto set their
seal & this 19th day of June A. D. 1969

Daniel J. Miron

Jean Arnost

Elmer G. Schlais

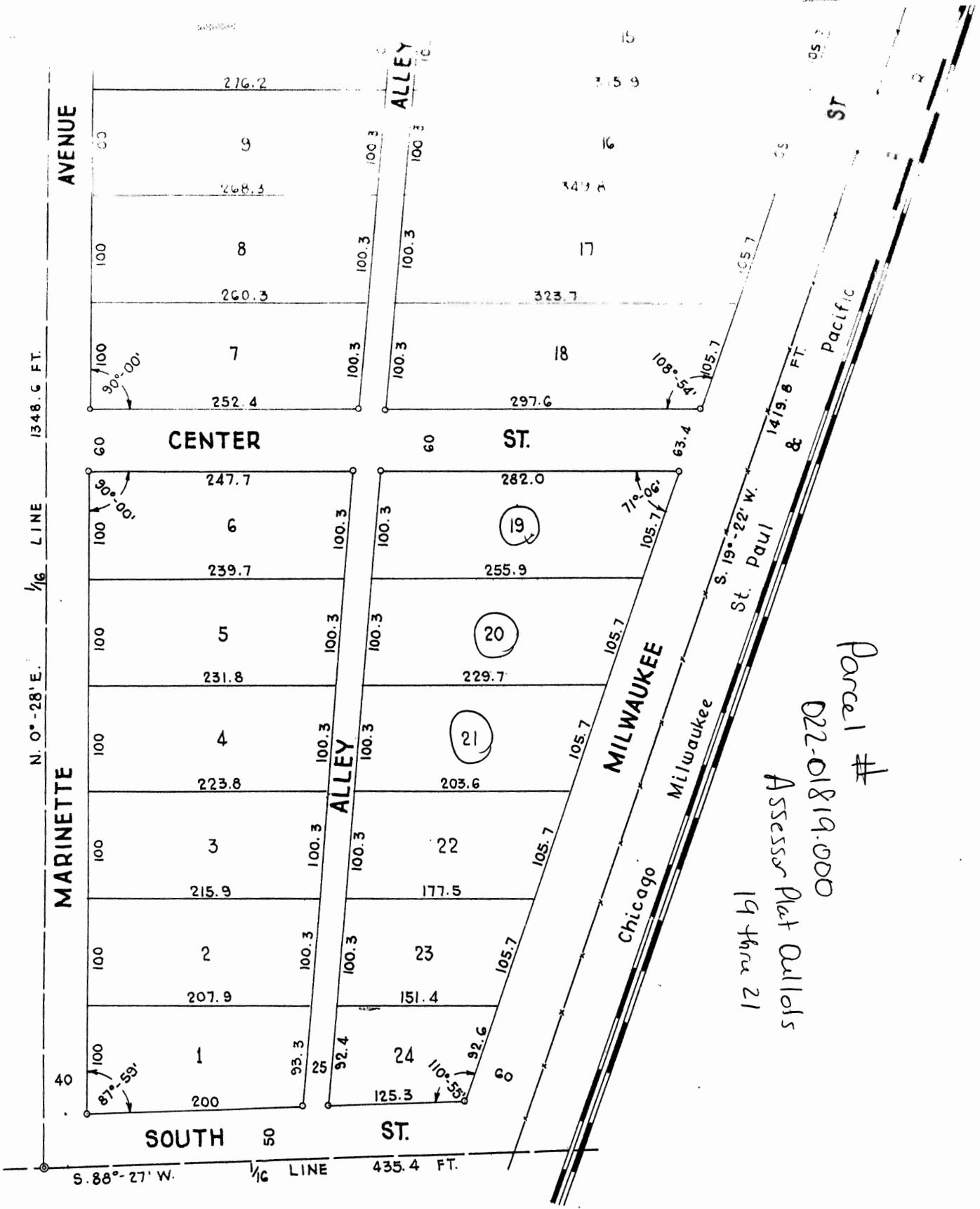
Josephine E. Schlais

State of Wisconsin,
Marinette County, Personally came before me this 19th day of June 1969
the above named Elmer G. Schlais and Josephine E. Schlais, his wife,

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

THIS INSTRUMENT WAS DRAFTED BY
Kopish, Miron & Boyle
Attorneys

Daniel J. Miron
Notary Public, Marinette County, Wis.
My Commission EXPIRES (3) Permanent



Parcel #
 022-01819.000
 Assessor Plat Calls
 19 Apr 21

STATEMENT OF RESPONSIBILITY

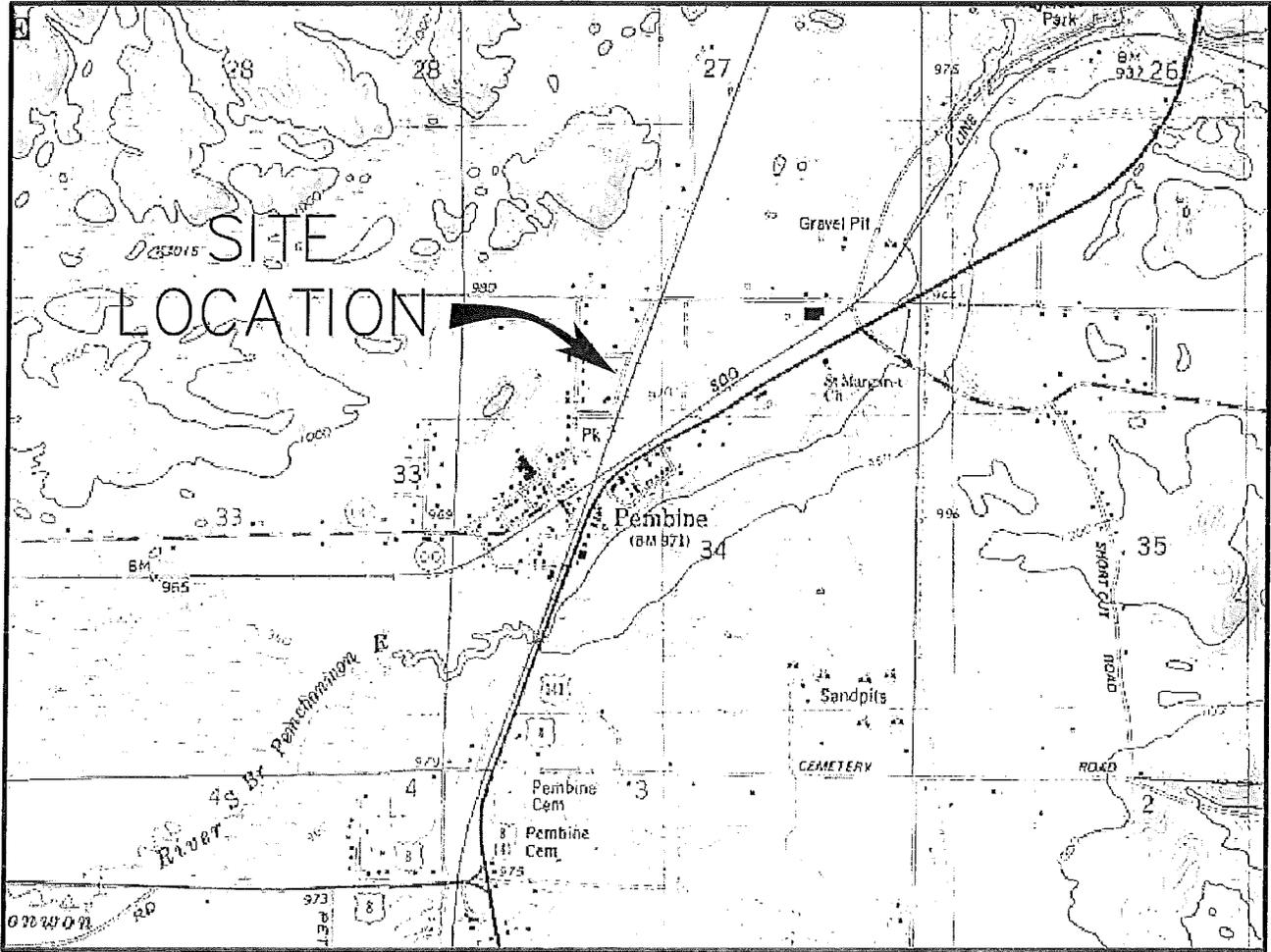
As the Chairperson for the Town of Pembine, I have received notification from Environmental Compliance Consultants, Inc., that analytical results from the shop well (DW-5), located at N18835 Milwaukee Street, Pembine, show that the concentration of benzene exceeds the ch. NR 140 Enforcement Standard. This exceedence in the drinking water standard makes the water from this well unsuitable for drinking. I will alert all persons who have access to the Town Shop of this exceedence, and a notice will be posted at the site stating the water is unsuitable for drinking.



Steven Dill
Town of Pembine Chairperson

7-21-06

Date



SCALE IN FEET

1" = 2000'



CONTOUR INTERVAL 10 FEET
NATIONAL GEODETIC VERTICAL DATUM OF 1929



QUADRANGLE LOCATION

BASE MAP SOURCE: USGS 7.5 MINUTE QUADRANGLE, PEMBINE, WISCONSIN, 1982 (NATIONAL GEOGRAPHIC HOLDINGS, INC.)

Northern Environmental SM

Hydrologists • Engineers • Surveyors • Scientists

330 South 4th Avenue, Park Falls, Wisconsin 54552
Phone: 800-498-3913 Fax: 715-762-1844

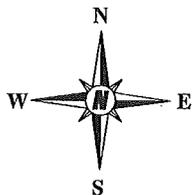
WISCONSIN MICHIGAN ILLINOIS IOWA

This drawing and all information contained thereon is the property of Northern Environmental. Northern Environmental will not be held liable for improper or incorrect usage. Professional seals and signatures do not apply to electronic drawing files. The user assumes all responsibility and risk for the accuracy and verification of all information contained in electronic files.

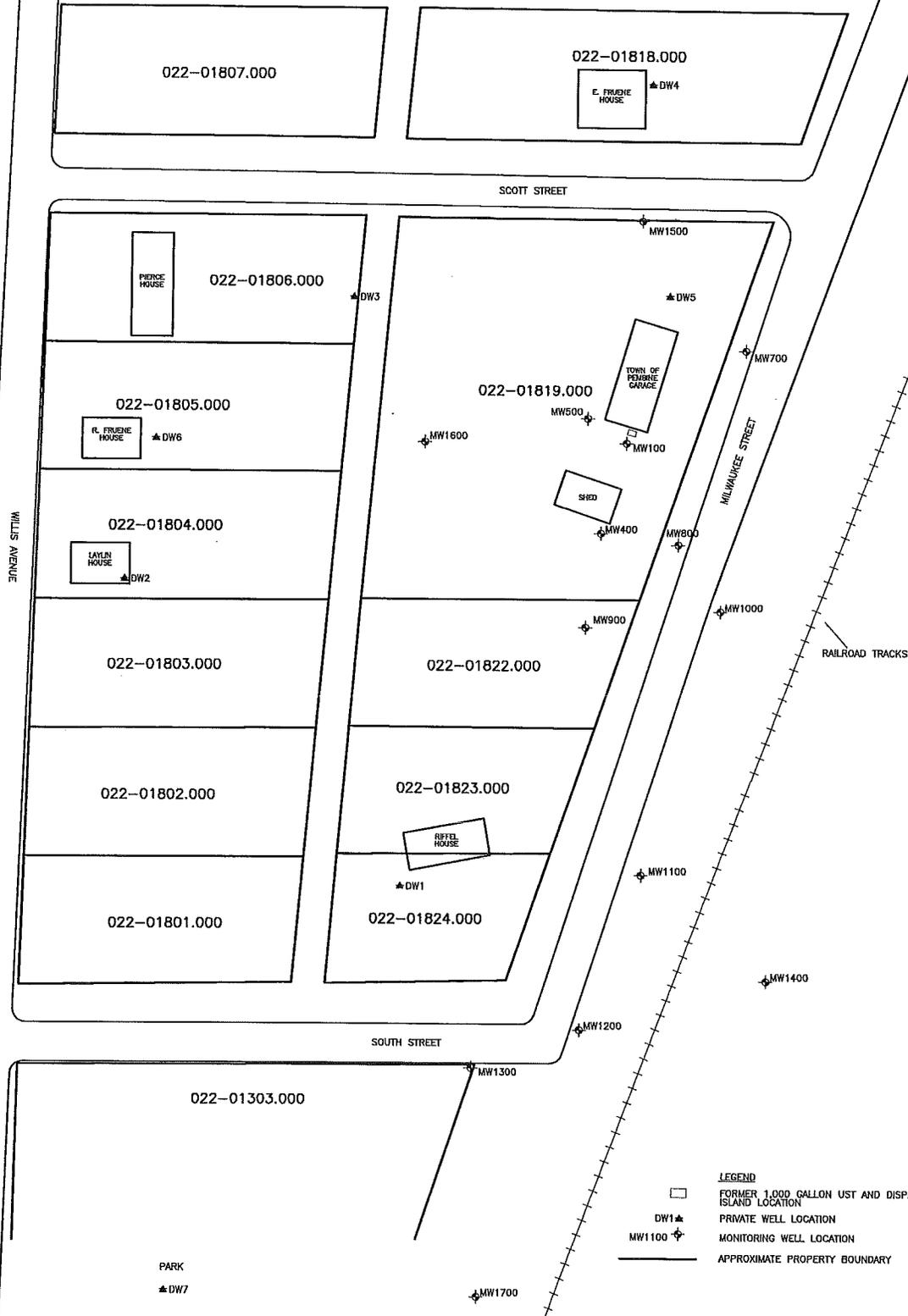
SITE LOCATION & LOCAL TOPOGRAPHY

TOWN OF PEMBINE GARAGE
PEMBINE, WISCONSIN

DATE: 07/21/09	DRAWN BY: NLB	TASK NUMBER: XXX	PROJECT NUMBER: 400-1379	FIGURE 1
----------------	---------------	------------------	--------------------------	----------



POST
CLOSURE



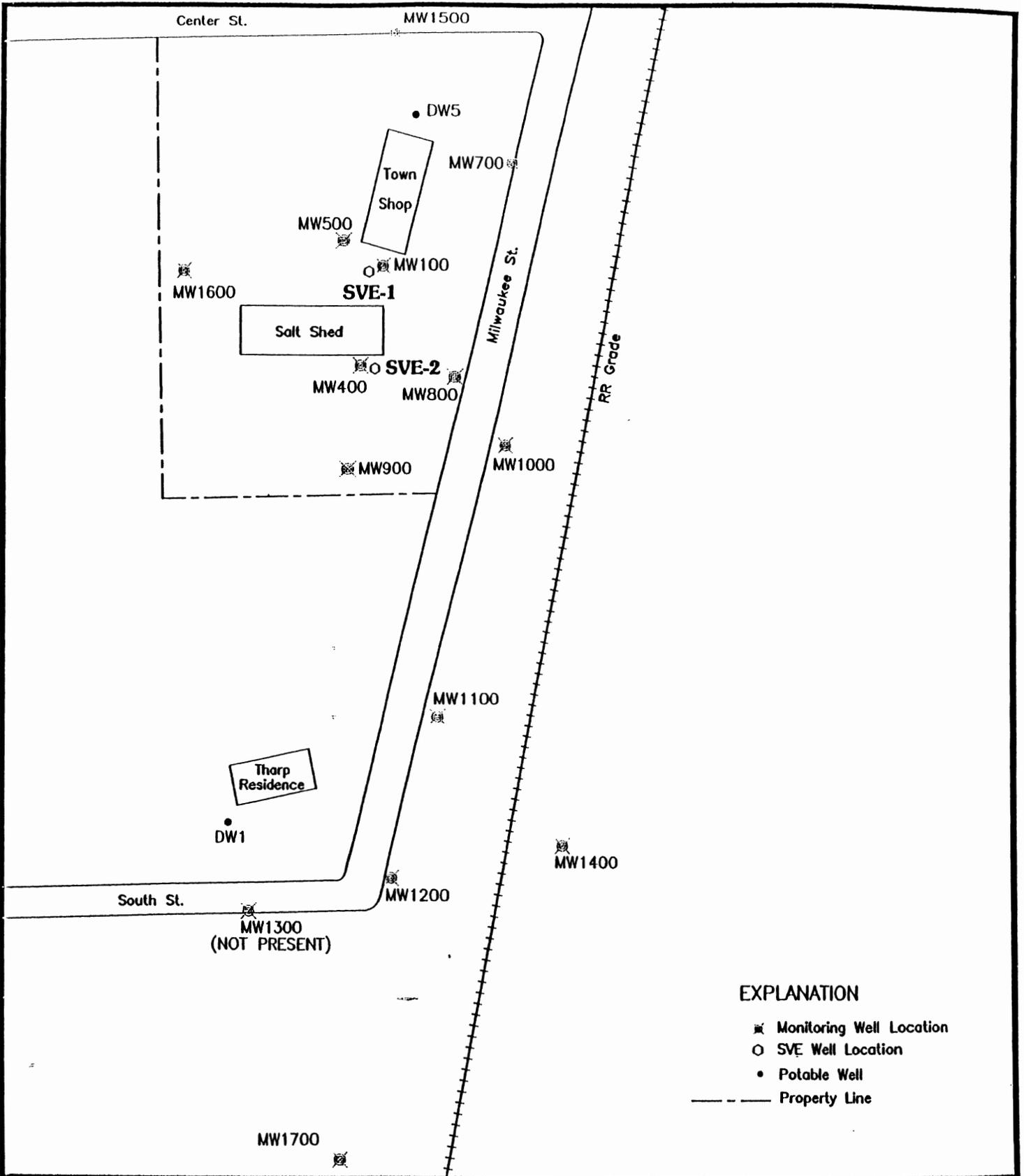
LEGEND
□ FORMER 1,000 GALLON UST AND DISPENSER ISLAND LOCATION
DW1 ▲ PRIVATE WELL LOCATION
MW1100 ◆ MONITORING WELL LOCATION
— APPROXIMATE PROPERTY BOUNDARY

Bonestroo
330 South 4th Avenue, Park Falls, Wisconsin 54552
Phone: 800-498-3913 Fax: 715-762-1844

This drawing and all information contained therein is the property of Bonestroo. Bonestroo will not be held liable for improper or incorrect usage. Professional seals and signatures do not apply to electronic drawings files. The user assumes all responsibility and risk for the accuracy and verification of all information contained in electronic files.

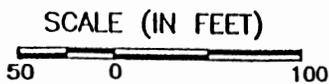
SITE LAYOUT
TOWN OF PEMBINE GARAGE
PEMBINE WISCONSIN

DATE: 01/18/10 DRAWN BY: NLB TASK NUMBER: XXX PROJECT NUMBER: 004363-09001-0 FIGURE 2



EXPLANATION

- Monitoring Well Location
- SVE Well Location
- Potable Well
- Property Line



TOWN OF PEMBINE GARAGE

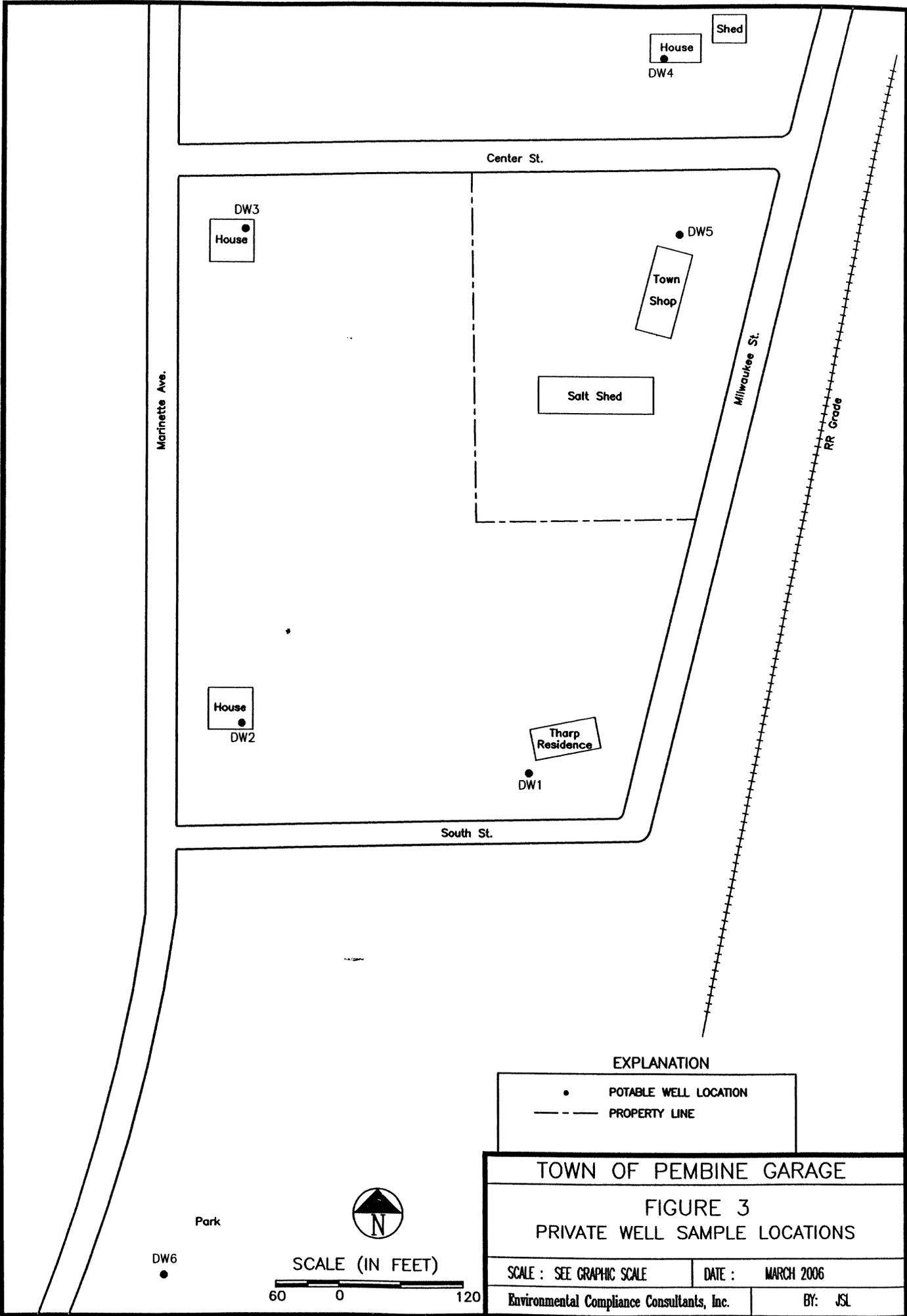
**FIGURE 2
 SITE LAYOUT**

SCALE : SHOWN

DATE February 2003

Environmental Compliance Consultants, Inc.

BY: JSL



EXPLANATION

- POTABLE WELL LOCATION
- PROPERTY LINE

TOWN OF PEMBINE GARAGE

**FIGURE 3
PRIVATE WELL SAMPLE LOCATIONS**

SCALE : SEE GRAPHIC SCALE

DATE : MARCH 2006

Environmental Compliance Consultants, Inc.

BY: JSL

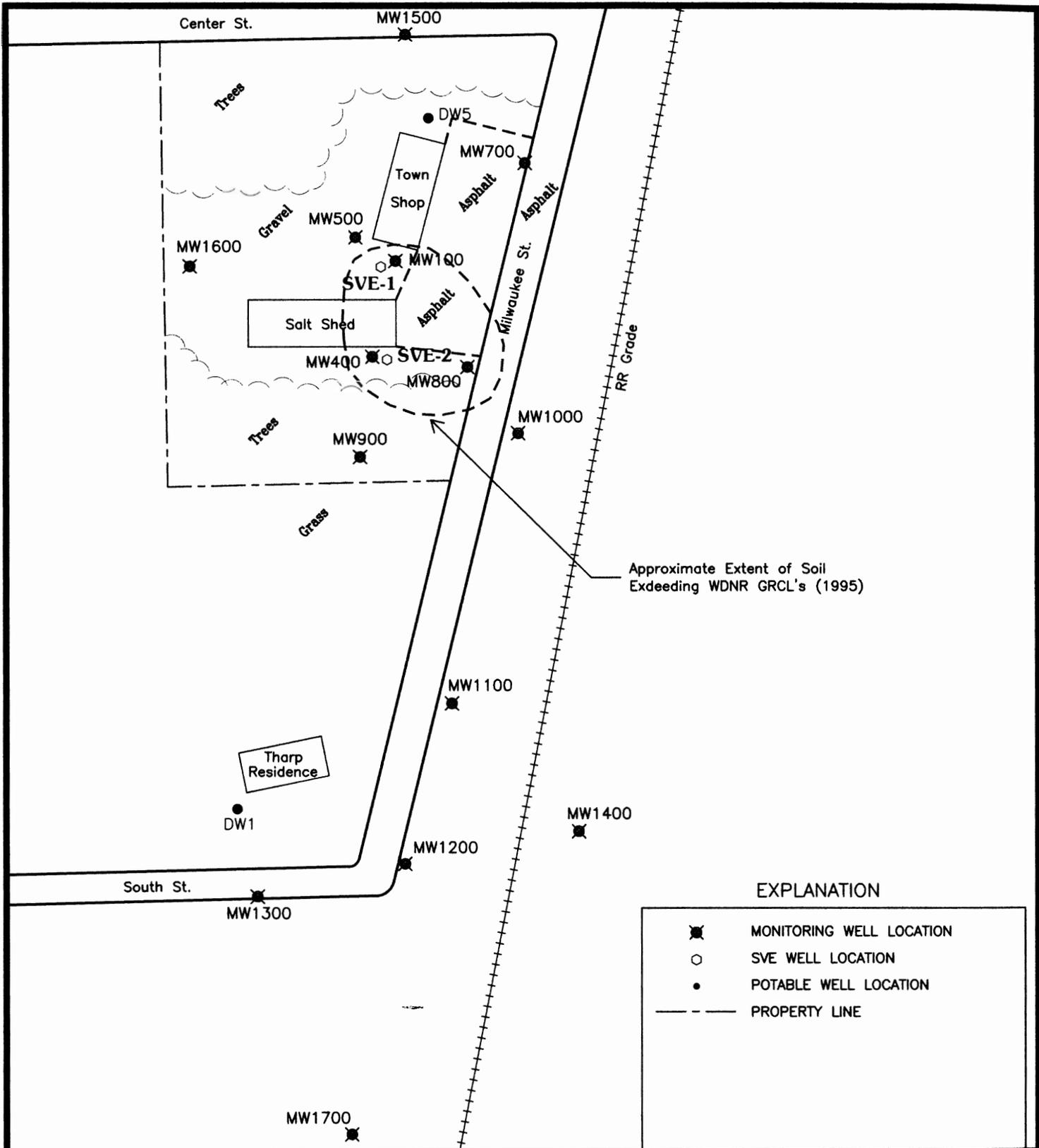


SCALE (IN FEET)



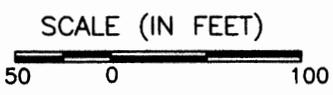
Park

DW6



EXPLANATION

- ✱ MONITORING WELL LOCATION
- SVE WELL LOCATION
- POTABLE WELL LOCATION
- PROPERTY LINE



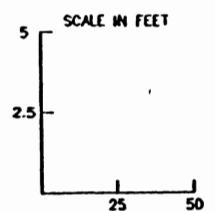
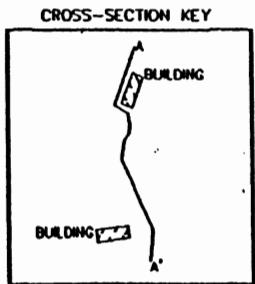
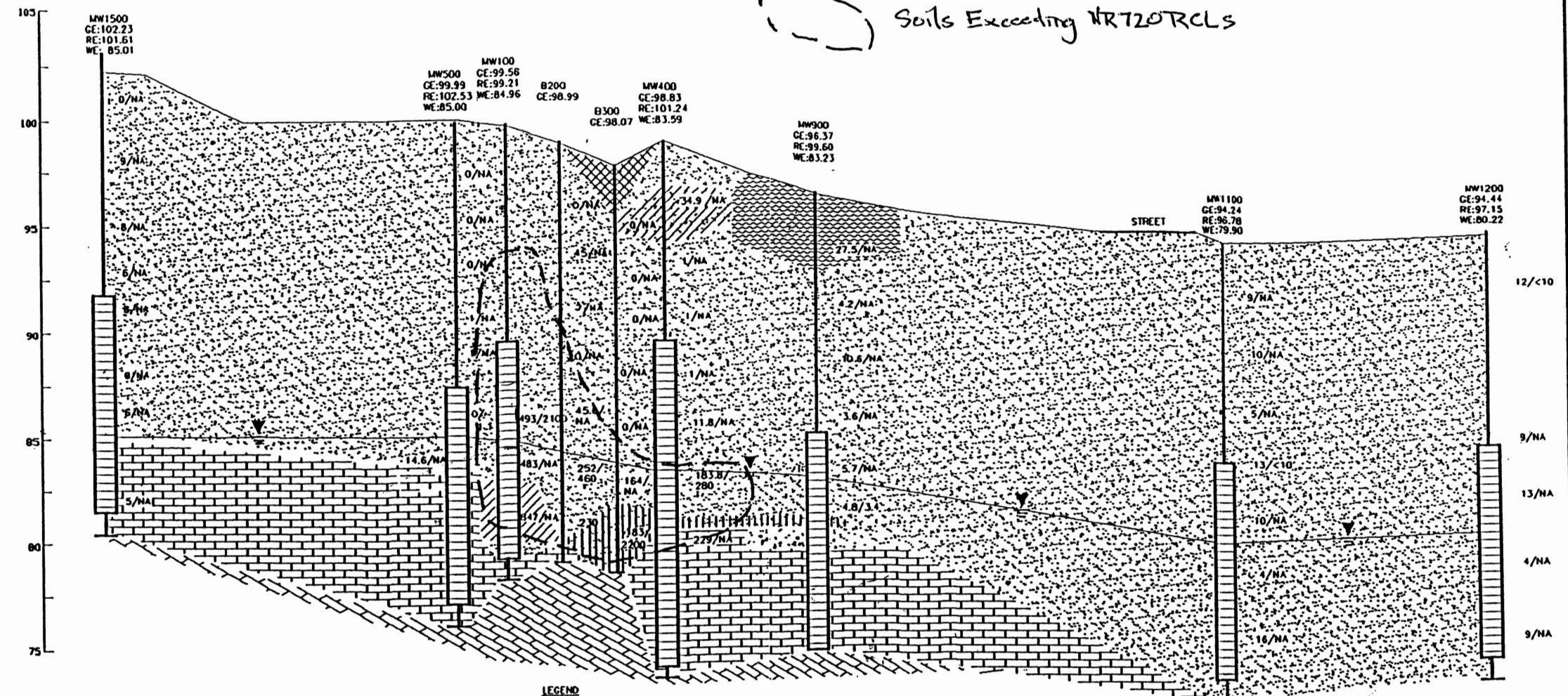
TOWN OF PEMBINE GARAGE

FIGURE 2
 APPROXIMATE EXTENT OF SOIL
 EXCEEDING WDNR GRCL's (1995)

SCALE : SEE GRAPHIC SCALE	DATE : JULY 2006
Environmental Compliance Consultants, Inc.	BY: JSL



1995 Site Investigation
 Approximate Extent of
 Soils Exceeding NR720RCLs



NOTE:
 • WATER MEASUREMENTS TAKEN 6/26/96
 • ELEVATIONS REFERENCED TO SITE DATUM
 • COLUMN WIDTHS ARE NOT TO SCALE
 • B200 AND B300 ELEVATIONS ARE INFERRED

LEGEND

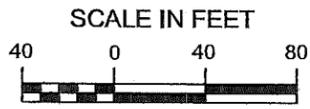
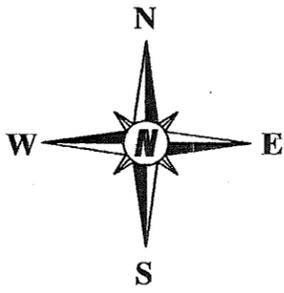
- PID/GRO RESULT
 PID = PHOTONIZATION DETECTOR READING MEASURED IN INSTRUMENT UNITS AS ISOBUTYLENE (iu)
 GRO = GASOLINE RANGE ORGANICS MEASURED IN MILLIGRAMS PER KILOGRAM (mg/kg)
 NA = NOT ANALYZED
 ND = NOT DETECTED
 WATER TABLE ELEVATION
 GROUND ELEVATION (IN FEET)
 WATER ELEVATION (IN FEET)
 RISER ELEVATION (IN FEET)
- POORLY GRADED SANDS
 - FILL MATERIAL
 - TOPSOIL
 - BEDROCK

- CLAYEY SANDS
- INORGANIC CLAYS
- SILTY SANDS
- POORLY GRADED GRAVELS
- WEATHERED BEDROCK

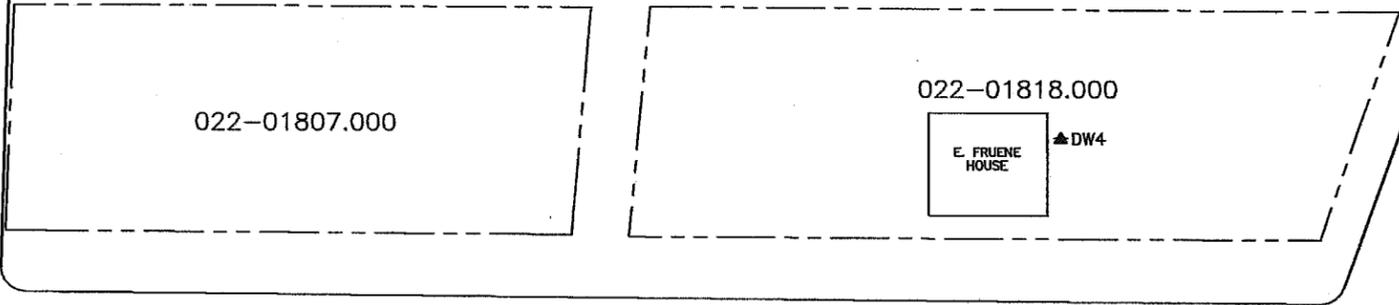
DRAWN BY: LFC	PROJECT: TOP330127	DATE: 5/22/97
REV. DATE	THIS DRAWING AND ALL INFORMATION CONTAINED THEREON IS THE PROPERTY OF NORTHERN ENVIRONMENTAL, INCORPORATED AND SHALL NOT BE COPIED OR USED EXCEPT FOR THE PURPOSE FOR WHICH IT IS EXPRESSLY FURNISHED.	
 Northern Environmental™ Hydrologists • Engineers • Geologists		

FIGURE 6
 GEOLOGIC CROSS SECTION
 TOWN OF PEMBINE GARAGE
 PEMBINE, WISCONSIN

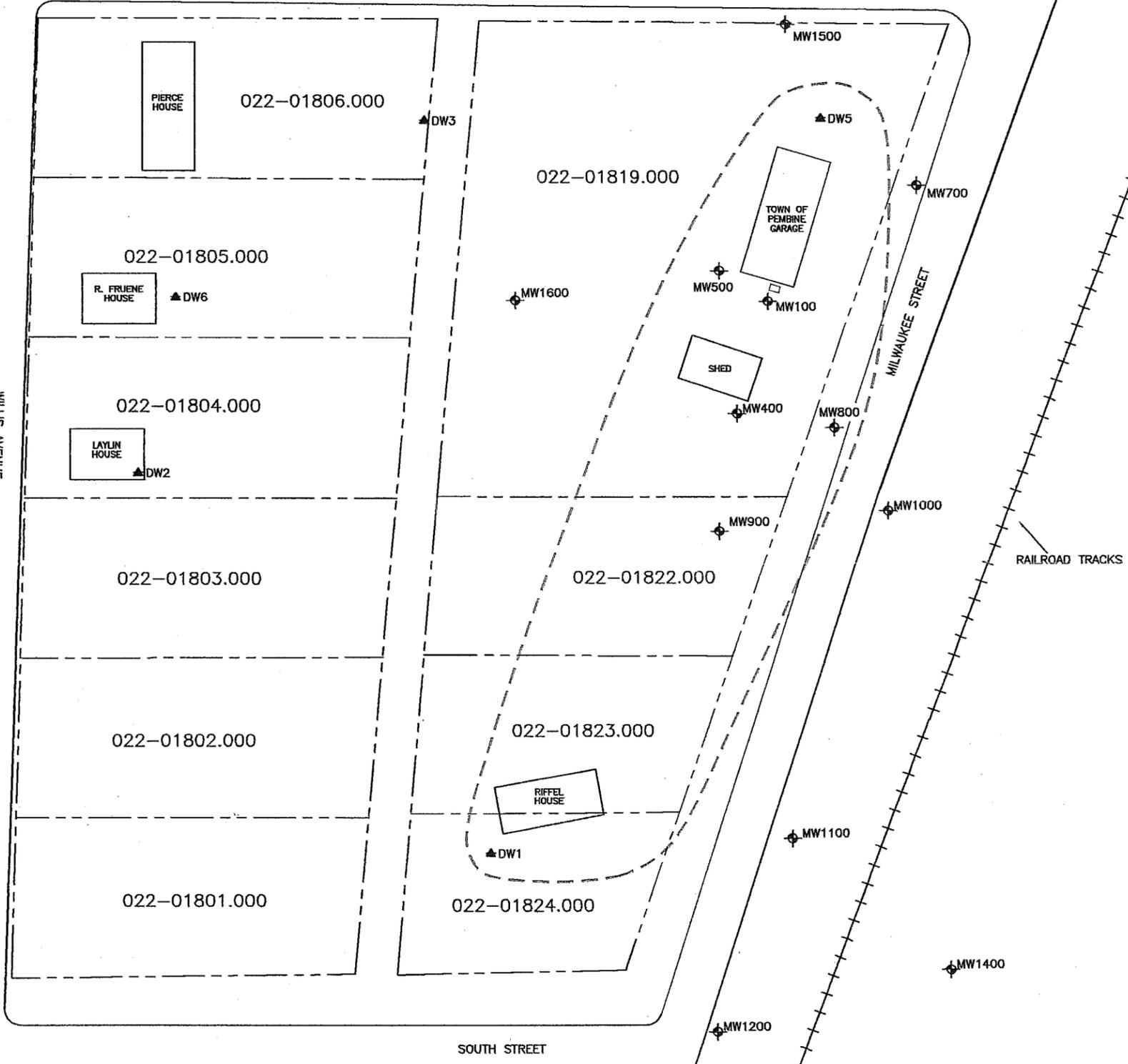
FOR: TOWN OF PEMBINE



POST CLOSURE



SCOTT STREET



WILLIS AVENUE

MILWAUKEE STREET

SOUTH STREET

RAILROAD TRACKS

PARK
▲ DW7

- LEGEND**
- FORMER 1,000 GALLON UST AND DISPENSER ISLAND LOCATION
 - ▲ DW1 PRIVATE WELL LOCATION
 - ⊕ MW1100 MONITORING WELL LOCATION
 - APPROXIMATE PROPERTY BOUNDARY
 - - - ESTIMATED EXTENT OF GROUNDWATER CONTAMINATION

Bonestroo

954 Circle Drive, Green Bay, Wisconsin 54304
 Phone: 800-854-0606 Fax: 920-592-8444
 WISCONSIN ▲ MICHIGAN ▲ ILLINOIS ▲ IOWA

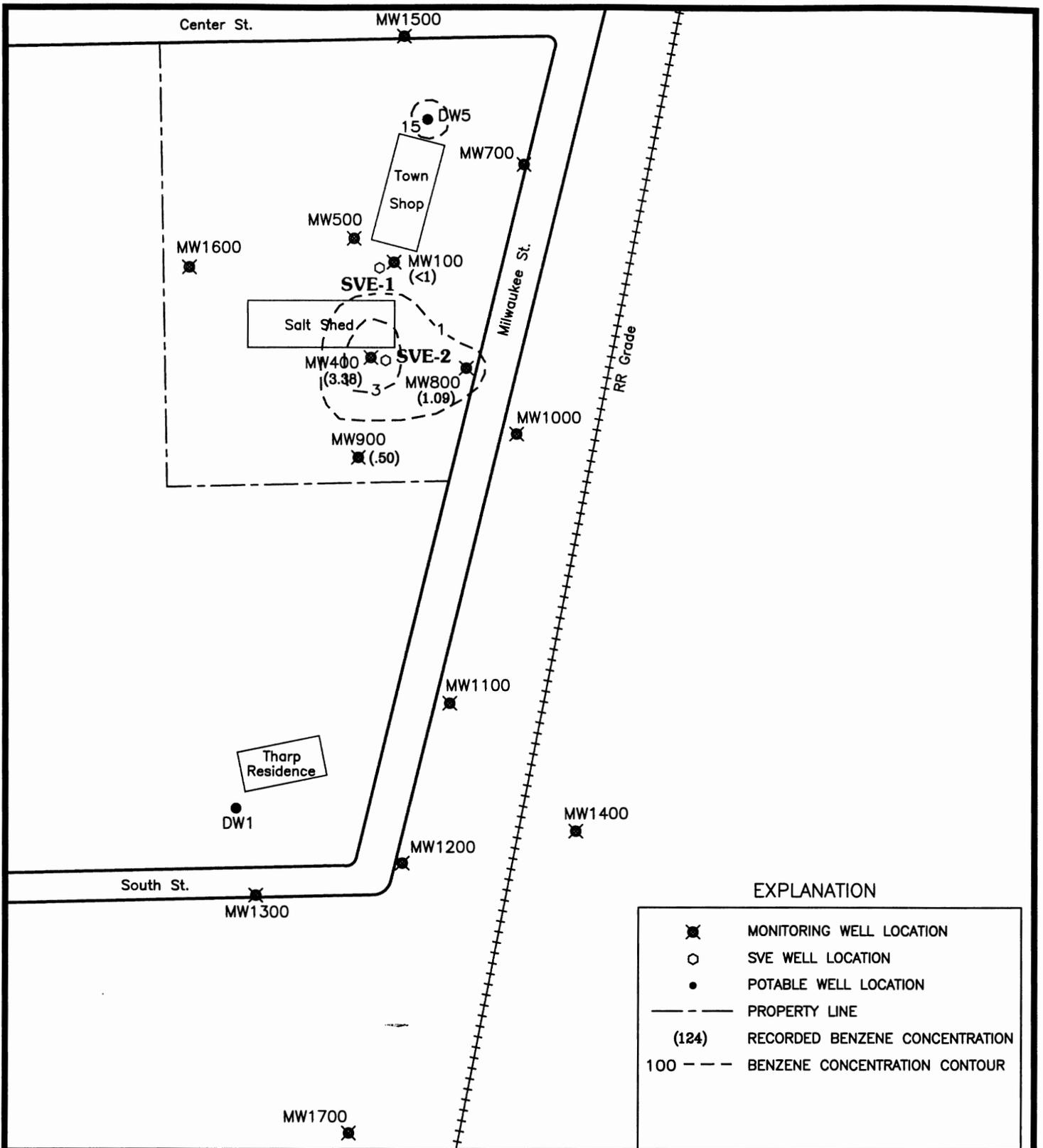
This drawing and all information contained thereon is the property of Bonestroo. Bonestroo will not be held liable for improper or incorrect usage. Professional seals and signatures do not apply to electronic drawing files. The user assumes all responsibility and risk for the accuracy and verification of all information contained in electronic files.

DATE: 07/06/10 DRAWN BY: JRB TASK NUMBER: .

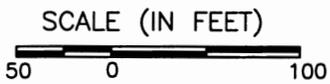
ESTIMATED EXTENT OF GROUNDWATER CONTAMINATION

TOWN OF PEMBINE GARAGE
PEMBINE WISCONSIN

PROJECT NUMBER: 004363-09001-0 FIGURE 3



EXPLANATION	
✕	MONITORING WELL LOCATION
○	SVE WELL LOCATION
●	POTABLE WELL LOCATION
---	PROPERTY LINE
(124)	RECORDED BENZENE CONCENTRATION
100 ---	BENZENE CONCENTRATION CONTOUR



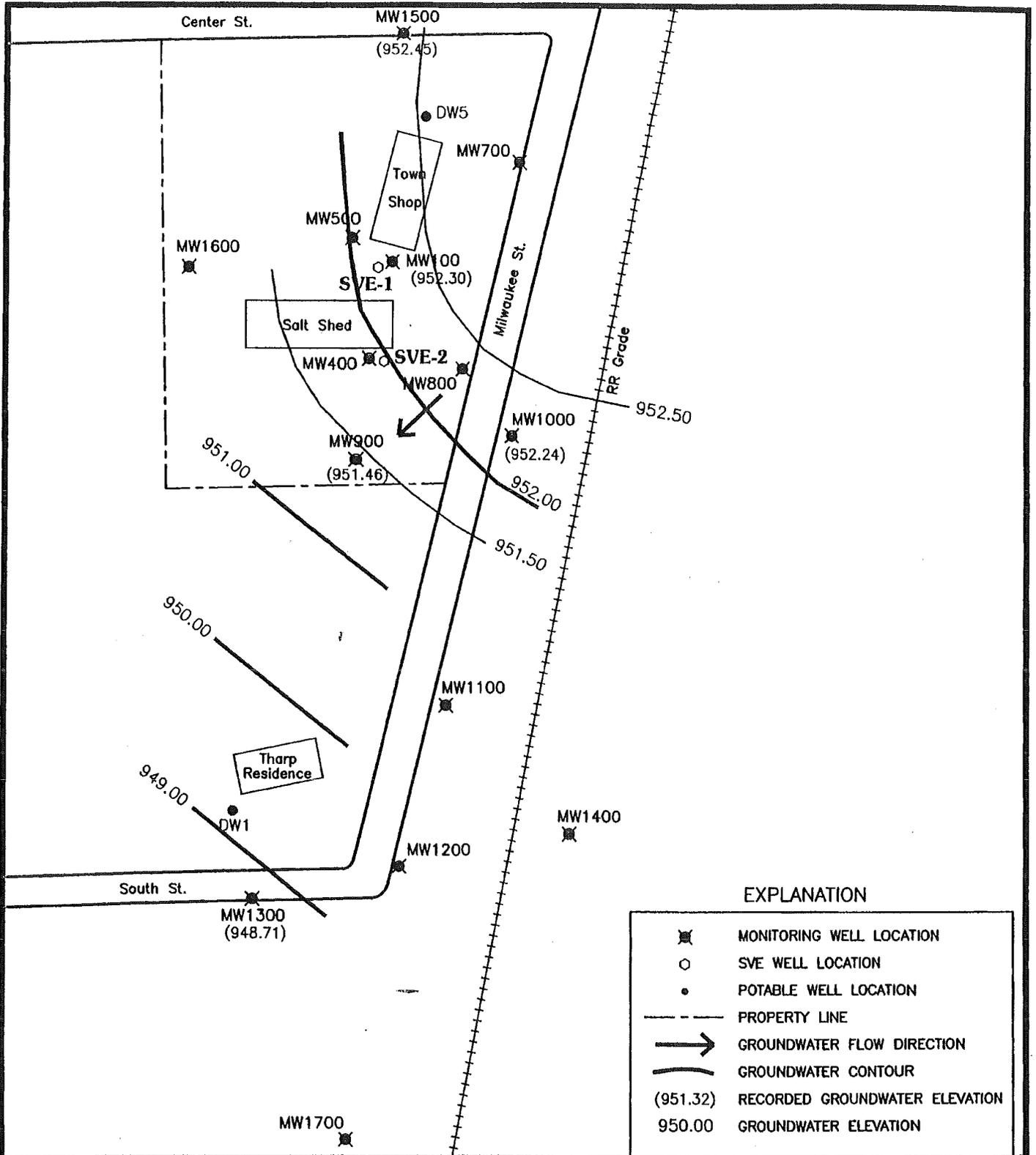
TOWN OF PEMBINE GARAGE

FIGURE 9

ISOCONCENTRATION MAP FOR BENZENE (ppb)

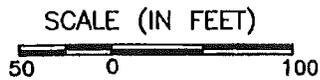
(6/27/05 SAMPLING EVENT)

SCALE : SEE GRAPHIC SCALE	DATE : AUGUST 2006
Environmental Compliance Consultants, Inc.	BY: JSL



EXPLANATION

	MONITORING WELL LOCATION
	SVE WELL LOCATION
	POTABLE WELL LOCATION
	PROPERTY LINE
	GROUNDWATER FLOW DIRECTION
	GROUNDWATER CONTOUR
(951.32)	RECORDED GROUNDWATER ELEVATION
950.00	GROUNDWATER ELEVATION



TOWN OF PEMBINE GARAGE

**FIGURE 5
GROUNDWATER ELEVATION MEASUREMENTS
(6/27/05 SAMPLING EVENT)**

SCALE : SEE GRAPHIC SCALE

DATE : MARCH 2006

Environmental Compliance Consultants, Inc.

BY: JSL

Table 3 Laboratory Analytical Results of Soil Sampling for Town of Pembine Garage, Pembine, Wisconsin

LABORATORY RESULT PARAMETERS	WDNR Residual Contaminant Levels	Test Pit Sample S104-127 11/11/94	BORING NUMBER														
			B100	B200	B300	B400	B500	B700	B800	B900	B1000	B1100	B1200	B1300	B1400	B1500	B1600
			Sample S101 3/7/95	Sample S206 3/7/95	Sample 307 3/7/95	Sample S406 3/7/95	Sample S506 3/7/95	Sample S705 3/8/95	Sample S806 3/8/95	Sample S906 3/8/95	Sample S1003 6/25/96	Sample S1104 6/25/96	Sample S1201 6/25/96	Sample S1301 6/25/96	Sample S1401 6/25/96	Sample S1502 6/26/96	Sample S1602 6/26/96
GRO (mg/kg)	100	1200+	2100+	460+	2200+	280+	1.2	1.3	230+	3.4	<10	<10	<10	<10	<10	<10	<10
Lead (mg/kg)	50	15	12	4	3	4	3	2	2	7	8	8	20	7	11	8	7
VOCs Detected (µg/kg)																	
Benzene	5.5	ND	<140	<140	3,400+	<140	<14	<14	<14	<14	<25	<25	<25	<25	<25	<25	<25
n-Butylbenzene	NE	48,000	34,000	13,000	24,000	18,000	<17	<17	<17	<17	---	---	---	---	---	---	---
sec-Butylbenzene	NE	3,500	3,400	990	2,400	810	<15	<16	<15	<15	---	---	---	---	---	---	---
Ethylbenzene	2,900	5,600+	2,900+	1,200	25,000+	980	<14	<14	<14	<14	<25	<25	<25	<25	<25	<25	<25
Isopropylbenzene	NE	5,000	4,600	1,100	4,000	1,000	<14	<14	<14	<14	---	---	---	---	---	---	---
p-Isopropyltoluene	NE	2,300	1,800	570	1,200	<1,500	<15	<15	<15	<15	---	---	---	---	---	---	---
Naphthalene	NE	5,400	7,500	5,300	7,100	3,300	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25
n-Propylbenzene	NE	8,800	6,700	2,400	14,000	2,300	<22	<22	<22	<22	---	---	---	---	---	---	---
Toluene	1,500	3,400+	3,800+	330	81,000+	<250	<250	<250	<250	<250	<25	<25	<25	<25	<25	<25	<25
1,2,4-Trimethylbenzene	NE	78,000	70,000	21,000	46,000	4,400	<14	<14	<14	<14	<25	<25	<25	<25	<25	<25	<25
1,3,5-Trimethylbenzene	NE	33,000	28,000	9,000	16,000	6,500	<14	<14	<14	<40	<25	<25	<25	<25	<25	<25	<25
Xylenes	4,100	116,000+	150,000+	34,000+	118,000+	3,200	<39	<39	<39	<39	<75	<75	<75	<75	<75	<75	<75

Note:

- GRO = Gasoline Range Organics
- VOCs = Volatile Organic Compounds
- NE = Not Established
- WDNR = Wisconsin Department of Natural Resources
- + = Equals or exceeds the WDNR Residual Contaminant Level
- µg/kg = micrograms per kilogram
- mg/kg = milligrams per kilogram
- = not analyzed



ROBERT E. LEE & ASSOCIATES, INC.

ENGINEERING • SURVEYING • LABORATORY SERVICES (414) 336-6338
Box 2100 2825 S. Webster Avenue Green Bay, WI 54306-2100

SUBJECT TOWN OF PEMBINE

JOB NO.

DATE

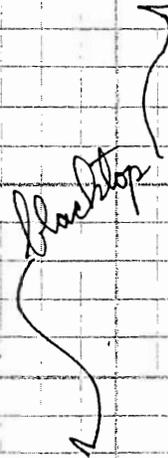
BY

SHEET

TOWN OF PEMBINE - GARAGE
MILWAUKEE ST.
PEMBINE, WI.



Pembine Town
Shop/Garage



gravel

former tank area

MILWAUKEE ST.

E & L S. RR

wooded area

Samples collected
several months
after tank
Pulled

ROBERT E. LEE & ASSOCIATES, INC.
 LABORATORY SERVICES
 2825 S. WEBSTER AVE. P.O. BOX 2100
 GREEN BAY, WIS 54306
 TELEPHONE NUMBER: (414) 336 - 6338
 WISCONSIN CERTIFICATION NUMBER: 405043870

CLIENT: INTERNAL WORK-JEFF LAVIOLETTE
 DATE RECEIVED: 09/24/92
 DATE OF SAMPLES: 09/24/92
 REPORT DATE: 10/05/92
 LAVIOLETTE PROJECT: TOWN OF PEMBINE
 LAVIOLETTE PROJECT NUMBER: 1384003
 REL JOB NUMBER: 1011874

THE FOLLOWING DATA HAS BEEN REVIEWED AND MEETS THE QA/QC REQUIREMENTS FOR BLANKS, STANDARDS, DUPLICATE ANALYSES AND SPIKED SAMPLES.

TEST PARAMETER	GRO	TOTAL SOLIDS
MDL	3.5	1.0
DATE ANALYZED	09/25/92	09/28/92
ANALYZED BY	D. GRIEBEL	S. WOOD
ANALYTICAL METHOD	MODIFIED	160.4**

SAMPLE	RESULT MG/KG	RESULT %
S1	48	92.3
S2	8.7	92.4

Soil samples collected several months after tank pull.

COMMENTS:

ND=COMPOUND NOT DETECTED
 MDL=METHOD DETECTION LIMIT WITH NO DILUTION
 D=DETECTED BUT BELOW MDL

ANALYTICAL METHODS

* TEST METHODS FOR EVALUATING SOLID WASTE, SW-846
 ** METHODS OF CHEMICAL ANALYSIS OF WATER AND WASTES

ATTEST 

Table 1 Private Well Analytical Results, Town of Pebmine Garage, Pebmine, Wisconsin

Well ID	Well Address	Date Sampled	Relevant and Significant VOC Analytical Results (µg/l)						
			Benzene	Ethylbenzene	MTBE	Naphthalene	Toluene	Trimethylbenzene	Xylenes
NR 140 Preventive Action Limit (µg/l)			0.5	140	12	8	200	96	1,000
NR 140 Enforcement Standard (µg/l)			5	700	60	40	1,000	480	10,000
Town of Pebmine Garage	N18835 Milwaukee St	03/06/09	10.4	1.04"J"	19.5	1.44"J"	<0.53	<1.13	<1.58
Riffel	N18801 Milwaukee St	03/06/09	6.6	8.8	9.9	4.1"J"	2.62	2.64"J"	4.75"J"
		01/11/10	5.5	7.9	10.4	<1.4	1.03"J"	1.22"J"	2.51"J"
		06/14/10	2.97	7.3	5.2	<2.4	<0.72	<1.15	<1.62
Riffel after treatment system		01/11/10	<0.45	<0.76	<0.42	<1.4	<0.53	<1.13	<1.58
		06/14/10	<0.38	<0.55	<0.25	<2.4	<0.72	<1.15	<1.62
Riffel kitchen sink		06/14/10	<0.4	<0.65	<0.49	<1.2	<0.86	<1.49	<2.15
Pierce	N18844 Willis Ave	03/06/09	<0.45	<0.76	<0.42	<1.4	<0.53	<1.13	<1.58
E. Fruehe	W7966 Scott St	03/06/09	<0.45	<0.76	<0.42	<1.4	<0.53	<1.13	<1.58

Key:

- VOC = Volatile Organic Compound
- µg/l = micrograms per liter
- MTBE = Methyl-Tertiary-Burty-Ether
- NE = Not Established by Wis. Adm. Code
- < X = Not detected above Laboratory Limit of Detection (LOD) of X.
- J = Analyte detected between Limit of Detection and Limit of Quantitation
- 32** = NR 140 Preventive Action Limit Exceeded
- 32** = NR 140 Enforcement Standard Exceeded

Table 1 Private Well Analytical Results, Riffel Well, Town of Pembine Garage, Pembine, Wisconsin

Well ID	Date Sampled	Metal Analytical Results (µg/L)					Inorganic Chemistry Analytical Results (mg/L)					Bacteria Analytical Results			
		Arsenic, dissolved	Calcium, dissolved	Iron, dissolved	Magnesium, dissolved	Manganese, dissolved	Alkalinity, Total	Chlorides, Total	Hardness	pH (su) (@ 22.5°C)	Sulfate, dissolved	Total Dissolved Solids	Coliform (cfu/ml)	E-Coli (mpn)	Iron Bacteria (mpn)
NR 140 Preventive Action Limit		1	NE	150	NE	50	NE	125	NE	NE	125	NE	0	0	NE
NR 140 Enforcement Standard		10	NE	300	NE	150	NE	250	NE	NE	250	NE	0	0	NE
Riffel	03/06/09	<0.6	139000	2020	47200	783	16	1020	720	7.20	12.4	2000	<1	<1	<1
	01/11/10	---	---	---	---	---	---	---	---	---	---	---	---	---	---
After Treatment System	01/11/10	---	---	---	---	---	---	---	---	---	---	---	---	---	---

Key:
VOC = Volatile Organic Compound
µg/l = micrograms per liter
MTBE = Methyl-Tertiary-Burty-Ether
NE = Not Established by Wis. Adm. Code
< X = Not detected above Laboratory Limit of Detection (LOD) of X.
J = Analyte detected between Limit of Detection and Limit of Quantitation
32 = NR 140 Preventive Action Limit Exceeded
32 = NR 140 Enforcement Standard Exceeded

Table 1 Private Well Analytical Results, Town of Pebmine Garage, Pebmine, Wisconsin

POST
CLOSURE

Well ID	Well Address	Date Sampled	Relevant and Significant VOC Analytical Results (µg/l)						
			Benzene	Ethylbenzene	MTBE	Naphthalene	Toluene	Trimethylbenzene	Xylenes
NR 140 Preventive Action Limit (µg/l)			0.5	140	12	8	200	96	1,000
NR 140 Enforcement Standard (µg/l)			5	700	60	40	1,000	480	10,000
Town of Pebmine Garage	N18835 Milwaukee St		10.4	1.04"J"	19.5	1.44"J"	<0.53	<1.13	<1.58
Riffel	W7978 South St		6.6	8.8	9.9	4.1"J"	2.62	2.64"J"	4.75"J"
Laylin	N18810 Willis Ave		---	---	---	---	---	---	---
R. Fruehe	N18836 Willis Ave		---	---	---	---	---	---	---
Pierce	N18844 Willis Ave		<0.45	<0.76	<0.42	<1.4	<0.53	<1.13	<1.58
E. Fruehe	W7966 Scott St	03/06/09	<0.45	<0.76	<0.42	<1.4	<0.53	<1.13	<1.58
Town Park	South St and Willis Ave								

- Key:
- VOC = Volatile Organic Compound
 - µg/l = micrograms per liter
 - MTBE = Methyl-Tertiary-Burty-Ether
 - NE = Not Established by Wis. Adm. Code
 - < X = Not detected above Laboratory Limit of Detection (LOD) of X.
 - J = Analyte detected between Limit of Detection and Limit of Quantitation
 - 32 = NR 140 Preventive Action Limit Exceeded
 - 32 = NR 140 Enforcement Standard Exceeded

TABLE – MW100

125	Parameter concentration exceeds the NR 140 ES
<2.5	Parameter analyzed, but not detected, MDL > PAL
	Parameter not analyzed

**GROUNDWATER LABORATORY RESULTS
TOWN OF PEMBINE GARAGE**

WELL IDENTIFICATION	MW-100							NR 140 PAL	NR 140 ES
	Date Sampled	6/16/04	DUP	1/5/05	6/27/05	DUP	12/9/05		
Analyte									
Alkalinity (mg/L)	170				281				
Iron (mg/L)	95				68.3				
Nitrogen, NO2+NO3 as N (mg/L)	<0.050				0.4				
Sulfate (mg/L)	18				11.9				
Dissolved Oxygen (mg/L)	0.82				9.38				
Groundwater Elevations	954.50		953.14	952.30		951.26			
PVOCs* (µg/L)									
Benzene	<4.5	<4.5	<1.55	<3.10	<0.31	<0.97	<0.97	0.5	5
Toluene	<5.0	[5.1]	2.54	7.25	12.8	29	11	200	1000
Ethylbenzene	<4.2	17	<2.50	5.94	4.79	4.9	5.1	140	700
1,2,4-Trimethylbenzene	190	140	113	176	137	12	14		
1,3,5-Trimethylbenzene	130	140	76.1	108	86.5	6.0	7.9		
Total Trimethylbenzenes	320	280	189.1	284	223.5	18.0	21.9	96	480
Methyl tert-Butyl ether	<4.5	<4.5	<1.50	<3.00	<0.3	<0.87	<0.87	12	60
m- & p-Xylenes	[10]	230	3.71	11.8	9.28	[6.7]	[6.5]		
o- Xylene	[7.4]	200	1.71	5.79	6.86	4.9	5.5		
Total Xylenes	[17.4]	430	5.42	17.59	16.14	[11.6]	[12.0]	1000	10000
Naphthalene	67	44	<4.00	<8.00	<0.8	11	8.3	8	40

MDL: Laboratory Method Detection Limit

NR 140 ES: Wisconsin Administrative Code NR 140 Enforcement Standard

NR 140 PAL: Wisconsin Administrative Code NR 140 Preventive Action Limit

DUP: Duplicate Sample

* Samples were analyzed for PVOCs plus Naphthalene.

[] = Results are greater than the Limit of Detection, but less than the Limit of Quantitation, and are within a region of "Less-Certain Quantitation."

TABLE – MW400

125	Parameter concentration exceeds the NR 140 ES
<2.5	Parameter analyzed, but not detected, MDL > PAL
	Parameter not analyzed

**GROUNDWATER LABORATORY RESULTS
TOWN OF PEMBINE GARAGE**

WELL IDENTIFICATION	MW-400				NR 140 PAL	NR 140 ES
	Date Sampled	6/16/04	1/5/05	6/27/05		
Analyte						
Alkalinity (mg/L)	170		434			
Iron (mg/L)	41		0.475			
Nitrogen, NO2+NO3 as N (mg/L)	3.5		4.03			
Sulfate (mg/L)	41		38.2			
Dissolved Oxygen (mg/L)	1.62		2.38			
Groundwater Elevations						
PVOCs* (µg/L)						
Benzene	<9.0	5.50	3.38	<9.7	0.5	5
Toluene	<10	22.4	11.0	<10	200	1000
Ethylbenzene	<8.3	10.8	7.81	<11	140	700
1,2,4-Trimethylbenzene	120	134	84.5	120		
1,3,5-Trimethylbenzene	130	144	124	140		
Total Trimethylbenzenes	250	278	208.5	260	96	480
Methyl tert-Butyl ether	<8.9	<1.50	<0.3	<8.7	12	60
m- & p-Xylenes	180	197	105	130		
o- Xylene	180	229	108	140		
Total Xylenes	360	426	213	270	1000	10000
Naphthalene	[35]	19.2	<0.8	56	8	40

MDL: Laboratory Method Detection Limit

NR 140 ES: Wisconsin Administrative Code NR 140 Enforcement Standard

NR 140 PAL: Wisconsin Administrative Code NR 140 Preventive Action Limit

* Samples were analyzed for PVOCs plus Naphthalene.

[] = Results are greater than the Limit of Detection, but less than the Limit of Quantitation, and are within a region of "Less-Certain Quantitation."

TABLE – MW800

125	Parameter concentration exceeds the NR 140 ES
<2.5	Parameter analyzed, but not detected, MDL > PAL
	Parameter not analyzed

**GROUNDWATER LABORATORY RESULTS
TOWN OF PEMBINE GARAGE**

WELL IDENTIFICATION	MW-800				NR 140 PAL	NR 140 ES
	Date Sampled	6/16/04	1/5/05	6/27/05		
Analyte						
Alkalinity (mg/L)						
Iron (mg/L)						
Nitrogen, NO ₂ +NO ₃ as N (mg/L)						
Sulfate (mg/L)						
Dissolved Oxygen (mg/L)	4.52					
Groundwater Elevations	953.15	951.63	951.32	950.96		
PVOCs* (µg/L)						
Benzene	<0.45	6.74	1.09	3.6	0.5	5
Toluene	<0.50	18.3	1.04	5.1	200	1000
Ethylbenzene	<0.42	79.3	9.29	27	140	700
1,2,4-Trimethylbenzene	[0.63]	125	16.1	37		
1,3,5-Trimethylbenzene	<0.46	45.9	4.68	7.7		
Total Trimethylbenzenes	<1.09	170.9	20.78	44.7	96	480
Methyl tert-Butyl ether	1.9	3.72	1.33	3.1	12	60
m- & p-Xylenes	<0.92	157	7.72	25		
o- Xylene	<0.44	81.9	3.72	7.2		
Total Xylenes	<1.36	238.9	11.44	32.2	1000	10000
Naphthalene	[2.0]	66.9	5.87	22	8	40

MDL: Laboratory Method Detection Limit

NR 140 ES: Wisconsin Administrative Code NR 140 Enforcement Standard

NR 140 PAL: Wisconsin Administrative Code NR 140 Preventive Action Limit

* Samples were analyzed for PVOCs plus Naphthalene.

[] = Results are greater than the Limit of Detection, but less than the Limit of Quantitation, and are within a region of "Less-Certain Quantitation."

TABLE – MW900

125	Parameter concentration exceeds the NR 140 ES
<2.5	Parameter analyzed, but not detected, MDL > PAL
	Parameter not analyzed

**GROUNDWATER LABORATORY RESULTS
TOWN OF PEMBINE GARAGE**

WELL IDENTIFICATION	MW-900				NR 140 PAL	NR 140 ES
	Date Sampled	6/16/04	1/5/05	6/27/05		
Analyte						
Alkalinity (mg/L)						
Iron (mg/L)						
Nitrogen, NO2+NO3 as N (mg/L)						
Sulfate (mg/L)						
Dissolved Oxygen (mg/L)	3.61					
Groundwater Elevations	953.22	951.69	951.46	951.09		
PVOCs* (µg/L)						
Benzene	[1.2]	<0.31	0.504	4.5	0.5	5
Toluene	3.5	<0.3	0.696	5.0	200	1000
Ethylbenzene	15	0.927	6.59	21	140	700
1,2,4-Trimethylbenzene	40	1.98	16.7	34		
1,3,5-Trimethylbenzene	7.8	0.389	2.38	7.0		
Total Trimethylbenzenes	47.8	2.369	19.08	41.0	96	480
Methyl tert-Butyl ether	<0.89	0.527	0.732	<0.87	12	60
m- & p-Xylenes	28	0.944	3.63	11		
o- Xylene	8.4	<0.3	1.63	5.2		
Total Xylenes	36.4	<1.244	5.26	16.2	1000	10000
Naphthalene	7.4	<0.8	2.82	12	8	40

MDL: Laboratory Method Detection Limit

NR 140 ES: Wisconsin Administrative Code NR 140 Enforcement Standard

NR 140 PAL: Wisconsin Administrative Code NR 140 Preventive Action Limit

* Samples were analyzed for PVOCs plus Naphthalene.

[] = Results are greater than the Limit of Detection, but less than the Limit of Quantitation, and are within a region of "Less-Certain Quantitation."

TABLE – MW1000

125	Parameter concentration exceeds the NR 140 ES
<2.5	Parameter analyzed, but not detected, MDL > PAL
	Parameter not analyzed

**GROUNDWATER LABORATORY RESULTS
TOWN OF PEMBINE GARAGE**

WELL IDENTIFICATION	MW-1000				NR 140 PAL	NR 140 ES
	Date Sampled	6/16/04	6/27/05			
Analyte						
Alkalinity (mg/L)						
Iron (mg/L)						
Nitrogen, NO ₂ +NO ₃ as N (mg/L)						
Sulfate (mg/L)						
Dissolved Oxygen (mg/L)		7.63				
Groundwater Elevations		954.00	952.24			
PVOCs* (µg/L)						
Benzene		<0.45	<0.31		0.5	5
Toluene		<0.50	<0.3		200	1000
Ethylbenzene		<0.42	<0.5		140	700
1,2,4-Trimethylbenzene		<0.53	<0.4			
1,3,5-Trimethylbenzene		<0.46	<0.31			
Total Trimethylbenzenes		<0.99	<0.71		96	480
Methyl tert-Butyl ether		<0.45	<0.3		12	60
m&p Xylenes		<0.92	<0.62			
o- Xylene		<0.44	<0.3			
Total Xylenes		<1.36	<0.92		1000	10000
Naphthalene		<0.65	<0.8		8	40

MDL: Laboratory Method Detection Limit

NR 140 ES: Wisconsin Administrative Code NR 140 Enforcement Standard

NR 140 PAL: Wisconsin Administrative Code NR 140 Preventive Action Limit

* Samples were analyzed for PVOCs plus Naphthalene.

[] = Results are greater than the Limit of Detection, but less than the Limit of Quantitation, and are within a region of "Less-Certain Quantitation."

TABLE – MW1300

125	Parameter concentration exceeds the NR 140 ES
<2.5	Parameter analyzed, but not detected, MDL > PAL
	Parameter not analyzed

**GROUNDWATER LABORATORY RESULTS
TOWN OF PEMBINE GARAGE**

WELL IDENTIFICATION	MW-1300				NR 140 PAL	NR 140 ES
Date Sampled	6/27/05					
Analyte						
Alkalinity (mg/L)	187					
Iron (mg/L)	1.79					
Nitrogen, NO2+NO3 as N (mg/L)	2.32					
Sulfate (mg/L)	11.7					
Dissolved Oxygen (mg/L)	8.22					
Groundwater Elevations	948.71					
PVOCs* (µg/L)						
Benzene	<0.31				0.5	5
Toluene	<0.3				200	1000
Ethylbenzene	<0.5				140	700
1,2,4-Trimethylbenzene	<0.4					
1,3,5-Trimethylbenzene	<0.31					
Total Trimethylbenzenes	<0.71				96	480
Methyl tert-Butyl ether	<0.3				12	60
m- & p-Xylenes	<0.62					
o- Xylene	<0.3					
Total Xylenes	<0.92				1000	10000
Naphthalene	<0.8				8	40

MDL: Laboratory Method Detection Limit

NR 140 ES: Wisconsin Administrative Code NR 140 Enforcement Standard

NR 140 PAL: Wisconsin Administrative Code NR 140 Preventive Action Limit

* Samples were analyzed for PVOCs plus Naphthalene.

[] = Results are greater than the Limit of Detection, but less than the Limit of Quantitation, and are within a region of "Less-Certain Quantitation."

TABLE – MW1400

125	Parameter concentration exceeds the NR 140 ES
<2.5	Parameter analyzed, but not detected, MDL > PAL
	Parameter not analyzed

**GROUNDWATER LABORATORY RESULTS
TOWN OF PEMBINE GARAGE**

WELL IDENTIFICATION	MW-1400				NR 140 PAL	NR 140 ES
	Date Sampled	6/16/04	6/27/05			
Analyte						
Alkalinity (mg/L)			Not			
Iron (mg/L)			poison ivy.			
Nitrogen, NO2+NO3 as N (mg/L)						
Sulfate (mg/L)						
Groundwater Elevations	943.87					
PVOCs* (µg/L)						
Benzene	<0.45				0.5	5
Toluene	<0.50				200	1000
Ethylbenzene	<0.42				140	700
1,2,4-Trimethylbenzene	<0.53					
1,3,5-Trimethylbenzene	<0.46					
Total Trimethylbenzenes	<0.99				96	480
Methyl tert-Butyl ether	<0.45				12	60
m&p Xylenes	<0.92					
o- Xylene	<0.44					
Total Xylenes	<1.36				1000	10000
Naphthalene	<0.65				8	40

MDL: Laboratory Method Detection Limit

NR 140 ES: Wisconsin Administrative Code NR 140 Enforcement Standard

NR 140 PAL: Wisconsin Administrative Code NR 140 Preventive Action Limit

* Samples were analyzed for PVOCs plus Naphthalene.

[] = Results are greater than the Limit of Detection, but less than the Limit of Quantitation, and are within a region of "Less-Certain Quantitation."

TABLE – MW1700

125	Parameter concentration exceeds the NR 140 ES
<2.5	Parameter analyzed, but not detected, MDL > PAL
	Parameter not analyzed

**GROUNDWATER LABORATORY RESULTS
TOWN OF PEMBINE GARAGE**

WELL IDENTIFICATION	MW-1700				NR 140 PAL	NR 140 ES
	Date Sampled	6/16/04	6/27/05			
Analyte						
Alkalinity (mg/L)						
Iron (mg/L)						
Nitrogen, NO ₂ +NO ₃ as N (mg/L)						
Sulfate (mg/L)						
Dissolved Oxygen (mg/L)	9.77					
PVOCs* (µg/L)						
Benzene	<0.45	<0.31			0.5	5
Toluene	<0.50	<0.3			200	1000
Ethylbenzene	<0.42	<0.5			140	700
1,2,4-Trimethylbenzene	<0.53	<0.4				
1,3,5-Trimethylbenzene	<0.46	<0.31				
Total Trimethylbenzenes	<0.99	<0.71			96	480
Methyl tert-Butyl ether	<0.45	<0.3			12	60
m&p Xylenes	<0.92	<0.62				
o- Xylene	<0.44	<0.3				
Total Xylenes	<1.36	<0.92			1000	10000
Naphthalene	<0.65	<0.8			8	40

MDL: Laboratory Method Detection Limit

NR 140 ES: Wisconsin Administrative Code NR 140 Enforcement Standard

NR 140 PAL: Wisconsin Administrative Code NR 140 Preventive Action Limit

* Samples were analyzed for PVOCs plus Naphthalene.

[] = Results are greater than the Limit of Detection, but less than the Limit of Quantitation, and are within a region of "Less-Certain Quantitation."

TABLE – THARP WELL (DW1)

125	Parameter concentration exceeds the NR 140 ES
<2.5	Parameter analyzed, but not detected, MDL > PAL or ES
	Parameter not analyzed

**GROUNDWATER LABORATORY RESULTS
TOWN OF PEMBINE GARAGE**

Date Sampled	1/9/03	4/1/03	8/20/03	2/25/04	6/16/04	9/21/04	1/5/05	4/17/05	6/27/05	NR 140 PAL	NR 140 ES
Analyte											
PVOCs* (µg/L)											
Benzene	<0.61	<0.61	<0.45	<0.45	<0.45	<0.45	<0.31	<0.31	<0.31	0.5	5
Toluene	<0.64	<0.64	<0.61	<0.50	<0.50	<0.50	<0.3	<0.3	<0.3	200	1000
Ethylbenzene	<0.63	<0.63	<0.47	<0.42	<0.42	<0.42	<0.5	<0.5	<0.5	140	700
1,2,4-Trimethylbenzene	<0.65	<0.65	<0.51	<0.53	<0.53	<0.53	<0.4	<0.4	<0.4		
1,3,5-Trimethylbenzene	<0.66	<0.66	<0.72	<0.46	<0.46	<0.46	<0.31	<0.31	<0.31		
Total Trimethylbenzenes	<1.31	<1.31	<1.23	<0.99	<0.99	<0.99	<0.71	<0.71	<0.71	96	480
Methyl tert-Butyl ether	5.7	6.9	6.6	5.1	3.0	3.3	1.97	1.38	1.30	12	60
m- & p-Xylenes	<1.5	<1.5	<0.99	<0.92	<0.92	<0.92	<0.62	<0.62	<0.62		
o- Xylene	<0.62	<0.62	<0.60	<0.44	<0.44	<0.44	<0.3	<0.3	<0.3		
Total Xylenes	<2.12	<2.12	<1.59	<1.36	<1.36	<1.36	<0.92	<0.92	<0.92	1000	10000
Naphthalene	<0.62	<0.62	<0.46	<0.65	<0.65	<0.65	<0.8	<0.8	<0.8	8	40

MDL: Laboratory Method Detection Limit

NR 140 ES: Wisconsin Administrative Code NR 140 Enforcement Standard

NR 140 PAL: Wisconsin Administrative Code NR 140 Preventive Action Limit

* Samples were analyzed for PVOCs plus Naphthalene.

**TABLE – FRUEHE (DW4) /
LAYLIN (DW3)**

125	Parameter concentration exceeds the NR 140 ES
<2.5	Parameter analyzed, but not detected, MDL > PAL
	Parameter not analyzed

**GROUNDWATER LABORATORY RESULTS
TOWN OF PEMBINE GARAGE**

WELL IDENTIFICATION	FRUEHE- DW4	LAYLIN - DW3	NR 140 PAL	NR 140 ES
Date Sampled	6/16/04	6/16/04		
Analyte				
PVOCs* (µg/L)				
Benzene	<0.45	<0.45	0.5	5
Toluene	<0.50	<0.50	200	1000
Ethylbenzene	<0.42	<0.42	140	700
1,2,4-Trimethylbenzene	<0.53	<0.53		
1,3,5-Trimethylbenzene	<0.46	<0.46		
Total Trimethylbenzenes	<0.99	<0.99	96	480
Methyl tert-Butyl ether	<0.45	<0.45	12	60
m&p Xylenes	<0.92	<0.92		
o- Xylene	<0.44	<0.44		
Total Xylenes	<1.36	<1.36	1000	10000
Naphthalene	<0.65	<0.65	8	40

MDL: Laboratory Method Detection Limit

NR 140 ES: Wisconsin Administrative Code NR 140 Enforcement Standard

NR 140 PAL: Wisconsin Administrative Code NR 140 Preventive Action Limit

* Samples were analyzed for PVOCs plus Naphthalene.

[] = Results are greater than the Limit of Detection, but less than the Limit of Quantitation, and are within a region of "Less-Certain Quantitation."

TABLE – SHOP WELL (DW5)

125	Parameter concentration exceeds the NR 140 ES
<2.5	Parameter analyzed, but not detected, MDL > PAL or ES
	Parameter not analyzed

**GROUNDWATER LABORATORY RESULTS
TOWN OF PEMBINE GARAGE**

Date Sampled	4/1/03	12/9/03	9/21/04	1/5/05	6/27/05	12/9/05	NR 140 PAL	NR 140 ES
Analyte								
PVOCs* (µg/L)								
Benzene	18	5.6	13	16.3	17.8	13	0.5	5
Toluene	3.8	[0.96]	1.7	0.873	<0.3	<0.51	200	1000
Ethylbenzene	18	6.7	14	18.1	2.56	3.4	140	700
1,2,4-Trimethylbenzene	16	8.7	17	17.3	3.46	2.6		
1,3,5-Trimethylbenzene	4.6	[1.9]	5.4	4.61	1.42	1.6		
Total Trimethylbenzenes	20.6	[10.6]	22.4	21.91	4.88	4.2	96	480
Methyl tert-Butyl ether	19	18	12	21.8	18.8	14	12	60
m- & p-Xylenes	25	15	18	20.2	2.97	[2.8]		
o- Xylene	3.2	<0.60	<0.44	1.11	0.304	<0.52		
Total Xylenes	28.2	<15.6	<18.44	21.31	3.274	<3.32	1000	10000
Naphthalene	5.3	2.5	5.4	4.25	4.23	6.1	8	40

MDL: Laboratory Method Detection Limit

NR 140 ES: Wisconsin Administrative Code NR 140 Enforcement Standard

NR 140 PAL: Wisconsin Administrative Code NR 140 Preventive Action Limit

* Samples were analyzed for PVOCs plus Naphthalene.

[] = Results are greater than the Limit of Detection, but less than the Limit of Quantitation, and are within a region of "Less-Certain Quantitation."

TABLE – PARK WELL (DW6)

(PAGE 1 OF 2)

125	Parameter concentration exceeds the NR 140 ES
<2.5	Parameter analyzed, but not detected, MDL > PAL
	Parameter not analyzed

**GROUNDWATER LABORATORY RESULTS
TOWN OF PEMBINE GARAGE**

Date Sampled	4/1/03	8/20/03*	6/16/04*	6/27/05*	NR 140 PAL	NR 140 ES
Analyte						
Alkalinity (mg/L)			170			
Iron (mg/L)			0.64			
Nitrogen, NO2+NO3 as N (mg/L)			1.1			
Sulfate (mg/L)			14			
VOCs (µg/L)						
Benzene	<0.29	<0.45	<0.45	<0.31	0.5	5
Toluene	<0.34	<0.61	<0.50	<0.3	200	1000
Ethylbenzene	<0.26	<0.47	<0.42	<0.5	140	700
1,2,4-Trimethylbenzene	<0.31	<0.51	<0.53	<0.4		
1,3,5-Trimethylbenzene	<0.39	<0.72	<0.46	<0.31		
Total Trimethylbenzenes	<0.70	<1.23	<0.99	<0.71	96	480
Methyl tert-Butyl ether	<0.31	<0.60	<0.45	<0.3	12	60
m&p Xylenes	<0.62	<0.99	<0.92	<0.62		
o- Xylene	<0.27	<0.60	<0.44	<0.3		
Total Xylenes	<0.89	<1.59	<1.36	<0.92	1000	10000
Naphthalene	<0.39	<0.46	<0.65	<0.8	8	40
1,1,1-Trichloroethane	<0.27				40	200
1,1,1,2-Tetrachloroethane	<0.28				7	70
1,1,2,2-Tetrachloroethane	<0.33				0.02	0.2
1,1,2-Trichloroethane	<0.42				0.5	5
1,1-Dichloroeth(yl)ene	<0.41				0.7	7
1,2,3-Trichlorobenzene	<0.36					
1,2,4-Trichlorobenzene	<0.37				14	70
1,2-Dibromoethane (EDB)	<0.30				0.005	0.05
1,2-Dibromo-3-Chloropropane	<0.33				0.02	0.2
1,2-Dichlorobenzene	<0.28				60	600
1,1-Dichloroethane	<0.30				85	850
1,2-Dichloroethane	<0.34				0.5	5
1,2-Dichloropropane	<0.35				0.5	5
1,1-Dichloropropene	<0.32					
cis-1,3-Dichloropropene	<0.27					
trans-1,3-Dichloropropene	<0.32					
1,3-Dichlorobenzene	<0.24				125	1250
1,3-Dichloropropane	<0.34					
1,4-Dichlorobenzene	<0.23				15	75
2,2-Dichloropropane	<0.44					
1,2,3-Trichloropropane	<0.44				12	60
4-Chlorotoluene	<0.37					
Bromobenzene	<0.10					
Bromochloromethane	<0.27					
Bromodichloromethane	<0.32				0.06	0.6

TABLE – PARK WELL (DW6) (PAGE 2 OF 2)

Date Sampled	4/1/03	8/20/03*	6/16/04*	6/27/05*	NR 140 PAL	NR 140 ES
Analyte						
VOCs (µg/L)						
Bromoform	<0.28				0.44	4.4
Bromomethane	<0.39				1	10
Carbon tetrachloride	<0.30				0.5	5
Chlorobenzene	<0.21					
Chloroethane	<1.7				80	400
Chloroform	<0.30				0.6	6
2-Chlorotoluene	<0.39					
Chloromethane	<0.24				0.3	3
cis-1,2-Dichloroeth(yl)ene	<0.40				7	70
trans-1,2-Dichloroethylene	<0.35				20	100
Isopropyl ether	<0.35					
Dibromomethane	<0.32					
Dibromochloromethane	<0.29				6	60
Dichlorodifluoromethane	<0.18				200	1000
Hexachlorobutadiene	<0.41					
Isopropylbenzene	<0.36					
Methylene chloride	<0.43				0.5	5
n-Butylbenzene	<0.31					
n-Propylbenzene	<0.34					
p-Isopropyltoluene	<0.30					
sec-Butylbenzene	<0.33					
tert-Butylbenzene	<0.31					
Styrene	<0.32				10	100
Tetrachloroeth(yl)ene (PCE)	<0.31				0.5	5
Trichloroeth(yl)ene (TCE)	<0.25				0.5	5
Trichlorofluoromethane	<0.38					
Vinyl chloride	<0.11				0.02	0.2

MDL: Laboratory Method Detection Limit

NR 140 ES: Wisconsin Administrative Code NR 140 Enforcement Standard

NR 140 PAL: Wisconsin Administrative Code NR 140 Preventive Action Limit

* Sample was analyzed for PVOCs plus Naphthalene.

TABLE – TB

125	Parameter concentration exceeds the NR 140 ES
<2.5	Parameter analyzed, but not detected, MDL > PAL
	Parameter not analyzed

**GROUNDWATER LABORATORY RESULTS
TOWN OF PEMBINE GARAGE**

WELL IDENTIFICATION	TRIP BLANK						NR 140 PAL	NR 140 ES
	Date Sampled	6/16/04	9/21/04	1/5/05	4/17/05	6/27/05		
Analyte								
Alkalinity (mg/L)								
Iron (mg/L)								
Nitrogen, NO2+NO3 as N (mg/L)								
Sulfate (mg/L)								
PVOCs* (µg/L)								
Benzene	<0.45	<0.45	<0.31	<0.31	<0.31	<0.49	0.5	5
Toluene	<0.50	<0.50	<0.3	<0.3	<0.3	<0.51	200	1000
Ethylbenzene	<0.42	<0.42	<0.5	<0.5	<0.5	<0.54	140	700
1,2,4-Trimethylbenzene	<0.53	<0.53	<0.4	<0.4	<0.4	<0.46		
1,3,5-Trimethylbenzene	<0.46	<0.46	<0.31	<0.31	<0.31	<0.47		
Total Trimethylbenzenes	<0.99	<0.99	<0.71	<0.71	<0.71	<0.93	96	480
Methyl tert-Butyl ether	<0.45	<0.45	<0.3	<0.3	<0.3	<0.44	12	60
m- & p-Xylenes	<0.92	<0.92	<0.62	<0.62	<0.62	<1.1		
o- Xylene	<0.44	<0.44	<0.3	<0.3	<0.3	<0.52		
Total Xylenes	<1.36	<1.36	<0.92	<0.92	<0.92	<1.62	1000	10000
Naphthalene	<0.65	<0.65	<0.8	<0.8	<0.8	<0.47	8	40

MDL: Laboratory Method Detection Limit

NR 140 ES: Wisconsin Administrative Code NR 140 Enforcement Standard

NR 140 PAL: Wisconsin Administrative Code NR 140 Preventive Action Limit

* Samples were analyzed for PVOCs plus Naphthalene.

[] = Results are greater than the Limit of Detection, but less than the Limit of Quantitation, and are within a region of "Less-Certain Quantitation."

Table 1 Water Level Data, Town of Pembine Garage, Pembine, Wisconsin

Well I.D.	Ground Surface Elevation (feet)	Reference Point Elevation (feet)	Date	Depth to Water (feet)		Water Table Elevation (feet)
				Below Riser	Below Grade	
MW100	99.56	99.21	03/08/95	17.98	18.33	81.23
			03/17/95	17.80	18.15	81.41
			04/01/95	17.71	18.06	81.50
			05/03/95	17.67	18.02	81.54
			06/25/96	14.30	14.65	84.91
			06/26/96	14.25	14.60	84.96
MW400	98.83	101.24	03/08/95	20.67	18.26	80.57
			03/17/95	20.34	17.93	80.90
			04/01/95	20.09	17.65	81.18
			05/03/95	19.84	17.43	81.40
			06/25/96	16.67	14.26	84.57
			06/26/96	17.65	15.24	83.59
MW500	99.99	102.53	03/08/95	21.27	18.73	81.26
			03/17/95	21.11	18.57	81.42
			04/01/95	20.99	18.45	81.54
			05/03/95	21.00	18.46	81.53
			06/25/96	17.54	15.00	84.99
			06/26/96	17.53	14.99	85.00
MW800	97.31	100.22	03/17/95	19.33	16.42	80.89
			04/01/95	19.15	16.24	81.07
			05/03/95	18.97	16.06	81.25
			06/25/96	16.99	14.08	83.23
			06/26/96	17.00	14.09	83.22
MW900	96.37	99.6	03/17/95	18.70	15.47	80.90
			04/01/95	18.50	15.27	81.10
			05/03/95	18.34	15.11	81.26
			06/25/96	16.36	13.13	83.24
			06/26/96	16.37	13.14	83.23
MW1000	96.51	99.3	06/25/96	16.09	13.30	83.21
			06/26/96	16.09	13.30	83.21
MW1100	94.24	96.78	06/25/96	16.77	14.23	80.01
			06/26/96	16.88	14.34	79.90
MW1200	94.44	97.15	06/26/96	16.93	14.22	80.22
MW1300	91.78	91.08	06/26/96	10.19	10.89	80.89
MW1400	92.08	94.77	06/26/96	15.21	12.52	79.56
MW1500	102.23	101.61	06/26/96	16.60	17.22	85.01
MW1600	99.35	101.82	06/26/96	16.95	14.48	84.87

s:\proj\top\330127\WWL001.WK4

Table 1 Water Level Data, Town of Pembine Garage, Pembine, Wisconsin

Well I.D.	Ground Surface Elevation (feet)	Reference Point Elevation (feet)	Date	Depth to Water (feet)		Water Table Elevation (feet)
				Below Riser	Below Grade	
MW100	99.56	99.21	03/08/95	17.98	18.33	81.23
			03/17/95	17.80	18.15	81.41
			04/01/95	17.71	18.06	81.50
			05/03/95	17.67	18.02	81.54
			06/25/96	14.30	14.65	84.91
			06/26/96	14.25	14.60	84.96
MW400	98.83	101.24	03/08/95	20.67	18.26	80.57
			03/17/95	20.34	17.93	80.90
			04/01/95	20.09	17.65	81.18
			05/03/95	19.84	17.43	81.40
			06/25/96	16.67	14.26	84.57
			06/26/96	17.65	15.24	83.59
MW500	99.99	102.53	03/08/95	21.27	18.73	81.26
			03/17/95	21.11	18.57	81.42
			04/01/95	20.99	18.45	81.54
			05/03/95	21.00	18.46	81.53
			06/25/96	17.54	15.00	84.99
			06/26/96	17.53	14.99	85.00
MW800	97.31	100.22	03/17/95	19.33	16.42	80.89
			04/01/95	19.15	16.24	81.07
			05/03/95	18.97	16.06	81.25
			06/25/96	16.99	14.08	83.23
			06/26/96	17.00	14.09	83.22
			MW900	96.37	99.6	03/17/95
04/01/95	18.50	15.27				81.10
05/03/95	18.34	15.11				81.26
06/25/96	16.36	13.13				83.24
06/26/96	16.37	13.14				83.23
MW1000	96.51	99.3				06/25/96
			06/26/96	16.09	13.30	83.21
MW1100	94.24	96.78	06/25/96	16.77	14.23	80.01
			06/26/96	16.88	14.34	79.90
MW1200	94.44	97.15	06/26/96	16.93	14.22	80.22
MW1300	91.78	91.08	06/26/96	10.19	10.89	80.89
MW1400	92.08	94.77	06/26/96	15.21	12.52	79.56
MW1500	102.23	101.61	06/26/96	16.60	17.22	85.01
MW1600	99.35	101.82	06/26/96	16.95	14.48	84.87

s:\proj\top\330127\WWL001.WK4

Table 1 Water Level Data, Town of Pembine Garage, Pembine, Wisconsin

Well I.D.	Ground Surface Elevation (feet)	Reference Point Elevation (feet)	Date	Depth to Water (feet)		Water Table Elevation (feet)
				Below Riser	Below Grade	
MW100	99.56	99.21	03/08/95	17.98	18.33	81.23
			03/17/95	17.80	18.15	81.41
			04/01/95	17.71	18.06	81.50
			05/03/95	17.67	18.02	81.54
			06/25/96	14.30	14.65	84.91
			06/26/96	14.25	14.60	84.96
MW400	98.83	101.24	03/08/95	20.67	18.26	80.57
			03/17/95	20.34	17.93	80.90
			04/01/95	20.09	17.65	81.18
			05/03/95	19.84	17.43	81.40
			06/25/96	16.67	14.26	84.57
			06/26/96	17.65	15.24	83.59
MW500	99.99	102.53	03/08/95	21.27	18.73	81.26
			03/17/95	21.11	18.57	81.42
			04/01/95	20.99	18.45	81.54
			05/03/95	21.00	18.46	81.53
			06/25/96	17.54	15.00	84.99
			06/26/96	17.53	14.99	85.00
MW800	97.31	100.22	03/17/95	19.33	16.42	80.89
			04/01/95	19.15	16.24	81.07
			05/03/95	18.97	16.06	81.25
			06/25/96	16.99	14.08	83.23
			06/26/96	17.00	14.09	83.22
MW900	96.37	99.6	03/17/95	18.70	15.47	80.90
			04/01/95	18.50	15.27	81.10
			05/03/95	18.34	15.11	81.26
			06/25/96	16.36	13.13	83.24
			06/26/96	16.37	13.14	83.23
MW1000	96.51	99.3	06/25/96	16.09	13.30	83.21
			06/26/96	16.09	13.30	83.21
MW1100	94.24	96.78	06/25/96	16.77	14.23	80.01
			06/26/96	16.88	14.34	79.90
MW1200	94.44	97.15	06/26/96	16.93	14.22	80.22
MW1300	91.78	91.08	06/26/96	10.19	10.89	80.89
MW1400	92.08	94.77	06/26/96	15.21	12.52	79.56
MW1500	102.23	101.61	06/26/96	16.60	17.22	85.01
MW1600	99.35	101.82	06/26/96	16.95	14.48	84.87

s:\proj\top\330127\WWL001.WK4





July 20, 2006

SOURCE
PROPERTY

Mr. Steve Dill
Town of Pembine Chairperson
N18967 Old Highway 141
Pembine, WI 54156

Dear Mr. Dill:

Re: Notification of Groundwater Exceeding the NR 140 Enforcement Standard

Petroleum compounds that have originated on town of Pembine property, located at N18835 Milwaukee Street, have migrated into potable well DW-5 (Wis. Unique Well ID #ND642). This well supplies water to the Pembine Town Shop. Laboratory analysis reveals the concentration of benzene is above the state's groundwater Enforcement Standard (ES) found in ch. NR 140, Wisconsin Administrative Code (see table for groundwater analytical results and Figure 1 for the location of DW-5).

As can be seen on the enclosed analytical table, the benzene concentration at DW-5 during the most recent sampling round is 13 micrograms per liter ($\mu\text{g/L}$). The ES for benzene is 5 $\mu\text{g/L}$. The ch. NR 140 Preventive Action Limit (PAL) for benzene is 0.5 $\mu\text{g/L}$. Please read the enclosures (NR 140 Groundwater Quality and ch. NR 160 Groundwater Protection standards) for detailed information concerning the definition and regulatory framework for establishment of the PAL and ES. This information will help you understand the importance of this restriction regarding the use of DW-5. The Dept. of Health and Human Services has determined that benzene is a known carcinogen, and the International Agency on Cancer and the Environmental Protection Agency have determined that benzene is carcinogenic to humans.

To ensure that potable well DW-5 water is not used for drinking purposes, ECCI, on behalf of the DNR, is requesting that you sign, date and return the enclosed Statement of Responsibility. I have enclosed a postage-paid envelope for your convenience in returning it to me. ECCI suggests that you post a notice adjacent to the sink at the Town Shop so that all persons having access to the facility are aware that the water should not be used for drinking.

Should you or any subsequent property owner wish to construct or reconstruct a well on this property, special well construction standards may be necessary to protect the well from the residual petroleum compounds. Any well driller who proposes to construct a well on the property in the future will first need to call Diggers' Hotline (1-800-242-8511), if the property is located outside of the service area of a municipally owned water system, or contact the Drinking Water Program manager within the DNR if the property is located within the designated service area of a municipally owned water system, to determine if there is a need for special well construction standards.

Once you return this Statement of Responsibility to our office it will be passed along to the DNR for inclusion in the recently submitted closure request for your project. ECCI's remedial activities, followed by approximately two years of groundwater monitoring, have determined that the plume of impacted groundwater is stable or receding and will naturally degrade over time. Groundwater analytical data collected to date indicate that natural attenuation (NA) will complete the cleanup at this site, which will meet the requirements for case closure that are found in ch. NR 726, Wisconsin Administrative Code. The pending request to the Dept. of Natural Resources (DNR) asks them to accept NA as the final remedy for this site and grant case closure. Closure means that the DNR will not be requiring any further investigations or cleanup action to be taken, other than the reliance on NA (see enclosed DNR fact sheet on NA).

If this case is closed, all properties within the boundaries of the petroleum compounds that exceed the ch. NR 140 groundwater ES will be listed on the DNR's Geographic Information System (GIS) Registry of Closed Remediation Sites. The information on the GIS Registry includes maps showing the location of properties in Wisconsin where petroleum compounds above the ES were found at the time the case was closed. This GIS Registry will be available to the general public on the DNR's Internet web site at www.dnr.state.wi.us/org/at/et/geo/gwur.

The DNR will likely review the closure request early in August. If you have any questions, or would like to submit any information to the DNR that is relevant to this closure request, you should mail that information to Ms. Kristin DuFresne, Green Bay Remediation and Redevelopment Office, 1125 N. Military Avenue, P.O. Box 10448, Green Bay, WI 54307-0448. Her phone number is (920) 662-5443. If you need more information, you may contact me at (715) 365-5200.

Sincerely,

ENVIRONMENTAL COMPLIANCE CONSULTANTS, INC.



Chris E. Mattson
Senior Geologist

CEM/jg
Enclosures (6)

SOURCE
PROPERTY

STATEMENT OF RESPONSIBILITY

As the Chairperson for the Town of Pembine, I have received notification from Environmental Compliance Consultants, Inc., that analytical results from the shop well (DW-5), located at N18835 Milwaukee Street, Pembine, show that the concentration of benzene exceeds the ch. NR 140 Enforcement Standard. This exceedence in the drinking water standard makes the water from this well unsuitable for drinking. I will alert all persons who have access to the Town Shop of this exceedence, and a notice will be posted at the site stating the water is unsuitable for drinking.



Steven Dill
Town of Pembine Chairperson

7-21-06

Date

Impacted Off-Source Property Information

Form 4400-246 (R 3/08)

This fillable form is intended to provide a list of information that must be submitted for evaluation for case closure. It is to be used in conjunction with Form 4400-202, Case Closure Request (Section H). 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 #:

ACTIVITY NAME:

ID	Off-Source Property Address	Parcel Number	WTM X	WTM Y
<input type="text" value="A"/>	<input type="text" value="N18801 Milwaukee Street, Pembine, Wisconsin"/>	<input type="text" value="022-01822.00, 022-01823.00, 022-01824.00"/>	<input type="text" value="676607"/>	<input type="text" value="575762"/>
<input type="text" value="B"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text" value="C"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text" value="D"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text" value="E"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text" value="F"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text" value="G"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text" value="H"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text" value="I"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

February 19, 2010



Mr. Chris Riffel
W10085 Pike Plains Road
Dunbar, Wisconsin 54119-9285

RE: Department of Natural Resources off-source property contamination letter

Dear Mr. Riffel:

Groundwater contamination that appears to have originated on the property located at N18835 Milwaukee Street, Pembine, Wisconsin has migrated onto your property at N18801 Milwaukee Street, Pembine, Wisconsin. The levels of benzene contamination in the groundwater on your property are above the state groundwater enforcement standards found in chapter NR 140, Wisconsin Administrative Code. However, the environmental consultants who have investigated this contamination have informed me that this groundwater contaminant plume is stable or receding and will naturally degrade over time. I believe that allowing natural attenuation to complete the cleanup at this site will meet the requirements for case closure that are found in chapter NR 726 and chapter NR 746 Wisconsin Administrative Code, and I will be requesting that the Department of Natural Resources accept natural attenuation as the final remedy for this site and grant case closure. Closure means that the Department will not be requiring any further investigation or cleanup action to be taken, other than the reliance on natural attenuation.

Since the source of the groundwater contamination is not on your property, neither you nor any subsequent owner of your property will be held responsible for investigation or cleanup of this groundwater contamination, as long as you and any subsequent owners comply with the requirements of section 292.13, Wisconsin Statutes, including allowing access to your property for environmental investigation or cleanup if access is required. For further information on the requirements of section 292.13, Wisconsin Statutes, you may obtain a copy of the Department of Natural Resources' publication #RR-589, Fact Sheet 10: Guidance for Dealing with Properties Affected by Off-Site Contamination, by accessing the following web address:

<http://dnr.wi.gov/org/aw/rr/archives/pubs/RR589.pdf>.

The Department of Natural Resources will not review my closure request for at least 30 days after the date of this letter. As an affected property owner, you have a right to contact the Department to provide any technical information that you may have that indicates that closure should not be granted for this site. If you would like to submit any information to the Department of Natural Resources that is relevant to this closure request, you should mail that information to: Ms. Kristin DuFresne, 2984 Shawano Avenue, Green Bay, Wisconsin 54313-6727.

If this case is closed, all properties within the site boundaries where groundwater contamination exceeds chapter NR 140 groundwater enforcement standards will be listed

OFF-SOURCE
A
PROPERTY

on the Department of Natural Resources' geographic information system (GIS) Registry of Closed Remediation Sites. The information on the GIS Registry includes maps showing the location of properties in Wisconsin where groundwater contamination above chapter NR 140 enforcement standards was found at the time that the case was closed. This GIS Registry will be available to the general public on the Department of Natural Resources' internet web site. Please review the enclosed legal description of your property, and notify me within the next 30 days if the legal description is incorrect.

Should you or any subsequent property owner wish to construct or reconstruct a well on your property, special well construction standards may be necessary to protect the well from the residual groundwater contamination. Any well driller who proposes to construct a well on your property in the future will first need to call the Diggers Hotline (1-800-242-8511) if your property is located outside of the service area of a municipally owned water system, or contact the Drinking Water program within the Department of Natural Resources if your property is located within the designated service area of a municipally owned water system, to determine if there is a need for special well construction standards.

Once the Department makes a decision on my closure request, it will be documented in a letter. If the Department grants closure, you may obtain a copy of this letter by requesting a copy from me, by writing to the agency address given above or by accessing the DNR GIS Registry of Closed Remediation Sites on the internet at www.dnr.state.wi.us/org/at/et/geo/gwur. A copy of the closure letter is included as part of the site file on the GIS Registry of Closed Remediation Sites.

If you need more information, you may contact me at N18765 Sauld Street, Pembine, Wisconsin, 920-324-6314 or you may contact Ms. Kristin DuFresne at 2984 Shawano Avenue, Green Bay, Wisconsin 54313-6727, 920-662-5443.

Sincerely,



Steve Dill
Town of Pembine Chairman

OFF-SOURCE
A
PROPERTY

8-19-09

Chris Riffel
W10085 Pike Plains Rd
Dunbar, WI 54119

Dear Mr. Riffel,

This is a letter informing you that your dwelling that is located at W7978 South St in Pembine will be changing. South St is being eliminated and is currently Milwaukee St. Your new address will be N18801 Milwaukee St. It will not physically be changed for approx 6-8 weeks from now. At that time I will advise the post office, rescue squad, fire dept and Marinette County. Please don't change anything until that time to avoid confusion for Emergency Services.

Any questions feel free to contact me below.. Thank you!



Bob Grandaw

Town of Pembine Permit Administrator

N16556 Rock Rd

Dunbar, WI 54119

715-929-0131

OFF-SOURCE
A
PROPERTY

SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DELIVERY
<ul style="list-style-type: none"> Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired. Print your name and address on the reverse so that we can return the card to you. Attach this card to the back of the mailpiece, or on the front if space permits. 	<p>A. Signature X <i>Julie Van Kirk</i> <i>Per</i> <input checked="" type="checkbox"/> Agent <input type="checkbox"/> Addressee</p> <p>B. Received by (<i>Printed Name</i>) <i>Julie Van Kirk</i> C. Date of Delivery <i>3/27/10</i></p>
<p>1. Article Addressed to: <i>Mr. Chris Riffel</i> <i>W10085 Pike Plains Road</i> <i>Dunbar, WI 54119-9285</i></p>	<p>D. Is delivery address different from item 1? <input type="checkbox"/> Yes If YES, enter delivery address below: <input type="checkbox"/> No</p> <p>3. Service Type <input checked="" type="checkbox"/> Certified Mail <input type="checkbox"/> Express Mail <input type="checkbox"/> Registered <input type="checkbox"/> Return Receipt for Merchandise <input type="checkbox"/> Insured Mail <input type="checkbox"/> C.O.D.</p> <p>4. Restricted Delivery? (<i>Extra Fee</i>) <input type="checkbox"/> Yes</p>
<p>2. Article Number <i>7009 0080 0001 8979 9760</i> (<i>Transfer from service label</i>)</p>	
<p>PS Form 3811, February 2004 Domestic Return Receipt 102595-02-M-1540</p>	

7009 0080 0001 8979 9760

U.S. Postal Service™ CERTIFIED MAIL™ RECEIPT (Domestic Mail Only; No Insurance Coverage Provided)	
For delivery information visit our website at www.usps.com	
OFFICIAL USE	
Postage	\$ <i>0.44</i>
Certified Fee	<i>2.80</i>
Return Receipt Fee (Endorsement Required)	<i>2.30</i>
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	\$ <i>5.54</i>
Postmark Here	
<p>Sent To <i>Mr. Chris Riffel</i> <i>004363 09001-0</i></p> <p>Street, Apt. No., or PO Box No. <i>W10085 Pike Plains Road</i></p> <p>City, State, ZIP+4 <i>Dunbar, WI 54119-9285</i></p>	
<p>PS Form 3800, August 2006 See Reverse for Instructions</p>	

OFF-SOURCE
A
PROPERTY

Document Number

STATE BAR OF WISCONSIN FORM 1-2000
WARRANTY DEED

DOC. #: 723600

This Deed, made between KEITH A. RIFFEL and KAREN S. RIFFEL, husband and wife, as survivorship marital property, Grantor, and CHRISTOPHER K. RIFFEL, Grantee.

Grantor, for a valuable consideration, conveys to Grantee the following described real estate in ~~Marinette~~ ^{Marquette} County, State of Wisconsin (the "Property") (if more space is needed, please attach addendum)

MELANIE I HUENPFNER
MARINETTE COUNTY
REGISTER OF DEEDS
July 16, 2008 AT 03:26:19PM
Fee Amount: \$11.00
Fee Exempt 77.25-(18)

OUTLOTS 22, 23, AND 24 OF THE ASSESSOR'S PLAT OF MARINETTE COUNTY'S ADDITION, TOWN OF PEMBINE, MARINETTE COUNTY, WISCONSIN, ACCORDING TO THE RECORDED PLAT THEREOF.

For Informational Purposes Only
Tax Key No. 022-01822.000, 022-01823.000, 022-01824.000
Property Address: N7978 SOUTH STREET, Pembine, WI 54216

Recording Area
Name and Return Address
CHRISTOPHER K. RIFFEL
N7978 SOUTH ST
Pembine, WI 54216

11

Together with all appurtenant rights, title and interests

022-01822.000, 022-01823.000, 022-01824.000
Parcel Identification Number (PIN)
This is homestead property.

Grantor warrants that the title to the property is good, indefeasible in fee simple and free and clear of encumbrances except Municipal and zoning ordinances and agreements entered under the, recorded easements for the distribution of utility and municipal services, recorded building and use restriction and covenants, general taxes levied in the year of closing.

Dated this 23 day of JUNE, 2008

Keith A Riffel
KEITH A. RIFFEL

Karen S Riffel
KAREN S. RIFFEL

Transfer
EX 8
FEE OR EX
MARINETTE
COUNTY

AUTHENTICATION

ACKNOWLEDGMENT

Signature(s) _____

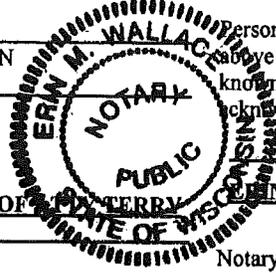
STATE OF WISCONSIN)

Authenticated this _____ day of _____,

Marinette County

TITLE: MEMBER STATE BAR OF WISCONSIN
(If not, _____
Authorized by § 706.06, Wis. Stats.)

Personally came before me this 23rd day of JUNE, 2008 the above named KEITH A. RIFFEL and KAREN S. RIFFEL, to me known to be the persons who executed the foregoing instrument and acknowledge the same.



THIS INSTRUMENT WAS DRAFTED BY

Erin M. Wallace

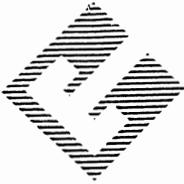
E GONZALES UNDER THE SUPERVISION OF TERRY TEPER

ERIN M WALLACE
Notary Public, State of Wisconsin

My Commission expires: 3.1.09

(Signatures may be authenticated or acknowledged. Both are not necessary.)

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



ENVIRONMENTAL COMPLIANCE CONSULTANTS, INC.

P.O. BOX 614 • RHINELANDER, WI 54501 • 715-365-5200 (VOICE) • 715-365-5201 (FAX)

FILE

RIGHT-OF-WAY

June 8, 2006

Town of Pembine
c/o Sheri Stepien, Town Clerk
W7837 Cemetery Road
Pembine, WI 54156

CERTIFIED #7002 0510 0000 6061 0361
RETURN RECEIPT REQUESTED

Dear Ms. Stepien:

Re: Notification of Residual Petroleum Compounds in the Milwaukee Street Right-of-Way from the Town of Pembine Garage LUST Site, N18835 Milwaukee Street, Pembine, WI

Environmental Compliance Consultants, Inc. (ECCI), on behalf of the responsible party, the Town of Pembine, is hereby notifying the town of residual soil contamination under the right-of-way (ROW) of Milwaukee Street from the above-referenced leaking underground storage tank (LUST) site.

The residual petroleum compounds in the soil were observed in soil boring B800 (MW800), which is directly adjacent to the ROW of Milwaukee Street. Soil analytical results exceed the Chapter NR 720, Wisconsin Administrative Code, Generic Residual Contaminant Levels.

I have enclosed a plan view (Figure 1) that locates the horizontal extent of the residual soil impact. A soil analytical summary table is also enclosed for your information. Please keep this information on file with the town of Pembine. If any future construction projects in the area encounter petroleum-impacted soil, it will have to be handled accordingly. If you have any questions or concerns, please contact me at (715) 365-5200.

Sincerely,

ENVIRONMENTAL COMPLIANCE CONSULTANTS, INC.

Chris E. Mattson
Senior Geologist

CEM/jg
Encs. (2)