

GIS Registry Disclaimer

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

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

GIS REGISTRY

Cover Sheet

July, 2008
(RR 5367)

Source Property Information

BRRTS #: 03-37-000095

ACTIVITY NAME: Kronenwetter TN Municipal Garage

PROPERTY ADDRESS: 1910 North Rd.

MUNICIPALITY: Mosinee

PARCEL ID #: 05027072440994

CLOSURE DATE: Jun 21, 2001

FID #: 737106370

DATCP #:

COMM #: 54455962710

*WTM COORDINATES:

X: 550179 Y: 480892

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

WTM COORDINATES REPRESENT:

Approximate Center Of Contaminant Source

Approximate Source Parcel Center

Please check as appropriate: (BRRTS Action Code)

Contaminated Media:

Groundwater Contamination > ES (236)

Contamination in ROW

Off-Source Contamination

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

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

Contamination in ROW

Off-Source Contamination

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

Land Use Controls:

Soil: maintain industrial zoning (220)

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

Structural Impediment (224)

Site Specific Condition (228)

Cover or Barrier (222)

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

Vapor Mitigation (226)

Maintain Liability Exemption (230)

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

Monitoring wells properly abandoned? (234)

Yes No N/A

** Residual Contaminant Level*

***Site Specific Residual Contaminant Level*

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

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

BRRTS #: 03-37-000095

PARCEL ID #: 05027072440994

ACTIVITY NAME: Kronenwetter TN Municipal Garage

WTM COORDINATES: X: 550179 Y: 480892

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

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

SOURCE LEGAL DOCUMENTS

- Deed:** The most recent deed as well as legal descriptions, for the **Source Property** (where the contamination originated). Deeds for other, off-source (off-site) properties are located in the **Notification** section.
Note: If a property has been purchased with a land contract and the purchaser has not yet received a deed, a copy of the land contract which includes the legal description shall be submitted instead of the most recent deed. If the property has been inherited, written documentation of the property transfer should be submitted along with the most recent deed.
- Certified Survey Map:** A copy of the certified survey map or the relevant section of the recorded plat map for those properties where the legal description in the most recent deed refers to a certified survey map or a recorded plat map. (lots on subdivided or platted property (e.g. lot 2 of xyz subdivision)).
Figure #: **Title:**
- Signed Statement:** A statement signed by the Responsible Party (RP), which states that he or she believes that the attached legal description accurately describes the correct contaminated property.

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

Maps must be no larger than 8.5 x 14 inches unless the map is submitted electronically.

- Location Map:** A map outlining all properties within the contaminated site boundaries on a U.S.G.S. topographic map or plat map in sufficient detail to permit easy location of all parcels. If groundwater standards are exceeded, include the location of all potable wells within 1200 feet of the site.
Note: Due to security reasons municipal wells are not identified on GIS Packet maps. However, the locations of these municipal wells must be identified on Case Closure Request maps.
Figure #: 1 **Title: Site Location**
- Detailed Site Map:** A map that shows all relevant features (buildings, roads, individual property boundaries, contaminant sources, utility lines, monitoring wells and potable wells) within the contaminated area. This map is to show the location of all contaminated public streets, and highway and railroad rights-of-way in relation to the source property and in relation to the boundaries of groundwater contamination exceeding a ch. NR 140 Enforcement Standard (ES), and/or in relation to the boundaries of soil contamination exceeding a Residual Contaminant Level (RCL) or a Site Specific Residual Contaminant Levels (SSRCL) as determined under s. NR 720.09, 720.11 and 720.19.
Figure #: 2 **Title: Site Plan - Existing Conditions**
- Soil Contamination Contour Map:** For sites closing with residual soil contamination, this map is to show the location of all contaminated soil and a single contour showing the horizontal extent of each area of contiguous residual soil contamination that exceeds a Residual Contaminant Level (RCL) or a Site Specific Residual Contaminant Level (SSRCL) as determined under s. NR 720.09, 720.11 and 720.19.
Figure #: **Title:**

BRRTS #: 03-37-000095

ACTIVITY NAME: Kronenwetter TN Municipal 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 #: 4 Title: Geologic Cross Sections

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 #: Title:

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

Figure #: 4 Title: Groundwater Elevation Contours - 01/24/00

Figure #: Title:

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

Tables must be no larger than 8.5 x 14 inches unless the table is submitted electronically. Tables must not contain shading and/or cross-hatching. The use of **BOLD** or *ITALICS* is acceptable.

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

Table #: Title:

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

Table #: 1 Title: Groundwater Analytical Results

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

Table #: 5 Title: Monitoring Well Construction/Water Level Information

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 #: 03-37-000095

ACTIVITY NAME: Kronenwetter TN Municipal Garage

NOTIFICATIONS

Source Property

- Letter To Current Source Property Owner:** If the source property is owned by someone other than the person who is applying for case closure, include a copy of the letter notifying the current owner of the source property that case closure has been requested.
- Return Receipt/Signature Confirmation:** Written proof of date on which confirmation was received for notifying current source property owner.

Off-Source Property

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

- Letter To "Off-Source" Property Owners:** Copies of all letters sent by the Responsible Party (RP) to owners of properties with groundwater exceeding an Enforcement Standard (ES), and to owners of properties that will be affected by a land use control under s. 292.12, Wis. Stats.
Note: Letters sent to off-source properties regarding residual contamination must contain standard provisions in Appendix A of ch. NR 726.
Number of "Off-Source" Letters:
- Return Receipt/Signature Confirmation:** Written proof of date on which confirmation was received for notifying any off-source property owner.
- Deed of "Off-Source" Property:** The most recent deed(s) as well as legal descriptions, for all affected deeded **off-source property(ies)**. This does not apply to right-of-ways.
Note: If a property has been purchased with a land contract and the purchaser has not yet received a deed, a copy of the land contract which includes the legal description shall be submitted instead of the most recent deed. If the property has been inherited, written documentation of the property transfer should be submitted along with the most recent deed.
- Letter To "Governmental Unit/Right-Of-Way" Owners:** Copies of all letters sent by the Responsible Party (RP) to a city, village, municipality, state agency or any other entity responsible for maintenance of a public street, highway, or railroad right-of-way, within or partially within the contaminated area, for contamination exceeding a groundwater Enforcement Standard (ES) and/or soil exceeding a Residual Contaminant Level (RCL) or a Site Specific Residual Contaminant Level (SSRCL).
Number of "Governmental Unit/Right-Of-Way Owner" Letters:

GRCRS Package Cover Sheet

Site Name Kronenwetter Municipal Garage

Site Address 1910 North Road

BRRTS # 03-37-000095 Date of Closure Decision 10-17-00

Closure letter(s)

Groundwater Use Restriction/Warranty Deed

Yes/ No Off-site contamination present? (Include related documents)

Yes/ No Right-of-way contamination present? (Include related documents)

General location map

_____ GPS x-coordinate

_____ GPS y-coordinate

Detailed site map(s)

Groundwater flow map(s)

_____ Latest map(s) showing extent or outline of plume

Latest table(s) of analytical results (soil results included only if soil deed restriction is incorporated into groundwater use restriction document)

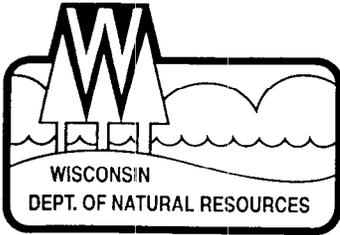
If available:

Legal description

05027072440994 County and Parcel I.D./Tax Parcel No.

Geologic cross sections

_____ Isoconcentrations map(s)



State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

Scott McCallum, Governor
Darrell Bazzell, Secretary
Scott A. Humrickhouse, Regional Director

Wausau Office
5301 Rib Mountain Drive
Wausau, Wisconsin 54401
Telephone 715-359-4522
FAX 715-355-5253

June 21, 2001

BRRTS #03-37-000095

MS MARIE WONSIL
TOWN OF KRONENWETTER
1582 KRONENWETTER DRIVE
MOSINEE, WI 54455

FILE COPY

Subject: Case Closure, Kronenwetter Municipal Garage, 1910 North Road,
Town of Kronenwetter, Wisconsin

Dear Ms. Wonsil:

You have met the conditions for closure based on your consultant's recent submittal of the recorded deed restriction and well abandonment documentation. On October 17, 2000 we sent you a conditional closure letter for the your site. As conditions of closure you needed to abandon the monitoring wells and system, and record a groundwater use restriction.

Since you have met the conditions of closure, we consider your case closed with no further action at this time. We appreciate the efforts you have taken to address the contamination at this site. If you have any questions regarding this letter, please contact me at 715/359-6514.

Sincerely,

Lisa Gutknecht - Project Manager
Remediation & Redevelopment Program

c: Bill Evans, Eau Claire
Brian Kent, SEH



State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

Tommy G. Thompson, Governor
George E. Meyer, Secretary
Scott A. Humrickhouse, Regional Director

Wausau Office
5301 Rib Mountain Drive
Wausau, Wisconsin 54401
Telephone 715-359-4522
FAX 715-355-5253

October 16, 2000

BRRTS #03-37-000095

MS MARIE WONSIL
TOWN OF KRONENWETTER
KRONENWETTER MUNICIPAL CENTER
1582 KRONENWETTER DRIVE
MOSINEE WI 54455

FILE COPY

Subject: Case Closure, Kronenwetter Municipal Garage, 1910 North Road, Town of Kronenwetter, Wisconsin

Dear Ms. Wonsil:

On October 16, 2000, the Kronenwetter Municipal Garage case was reviewed by the West Central Regional Close Out Committee for a determination as to whether or not the case qualified for close out under ch. NR 726, Wis. Adm. Code. Based on the information provided to date, the contamination on the site appears to have been remediated to the extent practicable under site conditions. Your case will be granted closure under s.NR726.05, Wisconsin Administrative Code when the following conditions have been met.

MONITORING WELL ABANDONMENT The monitoring wells at the site must be properly abandoned in compliance with s.NR141.25 Wis. Adm. Code. Documentation substantiating proper abandonment (Form 3300-5W) should be forwarded to me at the above address.

SYSTEM ABANDONMENT The system must be properly abandoned and/or disposed of in compliance with all applicable codes or regulations. A letter describing the abandonment and/or disposal procedures should be sent to me at the above address.

GROUNDWATER USE RESTRICTION A groundwater use restriction which meets the requirements of s.NR 726.05(8)(am), Wis. Adm. Code, must be provided to the Department for approval along with a **copy of the deed** for the affected property. Upon approval from the Department, the restrictions must be registered with the County Registrar of Deeds within 30 days. Once the Department has received documentation that the restriction has been recorded and all other conditions for closure have been met, the case will be considered closed. A copy of the groundwater use restriction is attached.

*Quality Natural Resources Management
Through Excellent Customer Service*



Printed on
Recycled
Paper

NOTICE OF REMAINING SOIL CONTAMINATION Residual soil contamination remains beneath the building and in the former tank locations. If the building is razed or the soil is removed in this area, the contaminated soil should be excavated and disposed of properly.

The groundwater use restriction and the deed notice can be combined into one document. A copy of the combined documents is attached. This case may be reopened pursuant to s. NR726.05 (2)(b) 2-5 or NR726.09 Wisconsin Administrative Code, if additional information regarding site conditions indicates that natural attenuation is no longer an effective remedial action; or if contamination on the site poses a threat to public health, safety, or welfare of the environment.

If you have additional relevant information which was not formerly provided to the Department, and which you feel would significantly impact the Department's closure decision, you may submit that information for our re-evaluation of case closure. I appreciate the actions you and your consultant have undertaken to restore the environment. If you have any questions, please feel free to call me at 715/359-6514.

Sincerely,



Lisa Gutknecht - Project Manager
Remediation & Redevelopment Program

Enclosure

c: Bill Evans, Eau Claire
Dale Ziege, RR/3 – Madison
Dave Carriveau, Drinking Water Program, Wausau
Brian Kent, SEH

applicable, prior to constructing or reconstructing a well on this property. No well may be constructed on this property unless applicable requirements are met.

If construction is proposed on this property that will require dewatering, or if groundwater is to be otherwise extracted from this property, while this groundwater use restriction is in effect, the groundwater shall be sampled and analyzed for contaminants that were previously detected on the property and any extracted groundwater shall be managed in compliance with applicable statutes and rules.

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

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

By signing this document, Mr. Rick Smith, Chairperson- Town of Kronenwetter, asserts that he is duly authorized to sign this document on behalf of the Town of Kronenwetter.

IN WITNESS WHEREOF, the owner of the property has executed this Declaration of Restrictions, this 23 day of May, 2001.

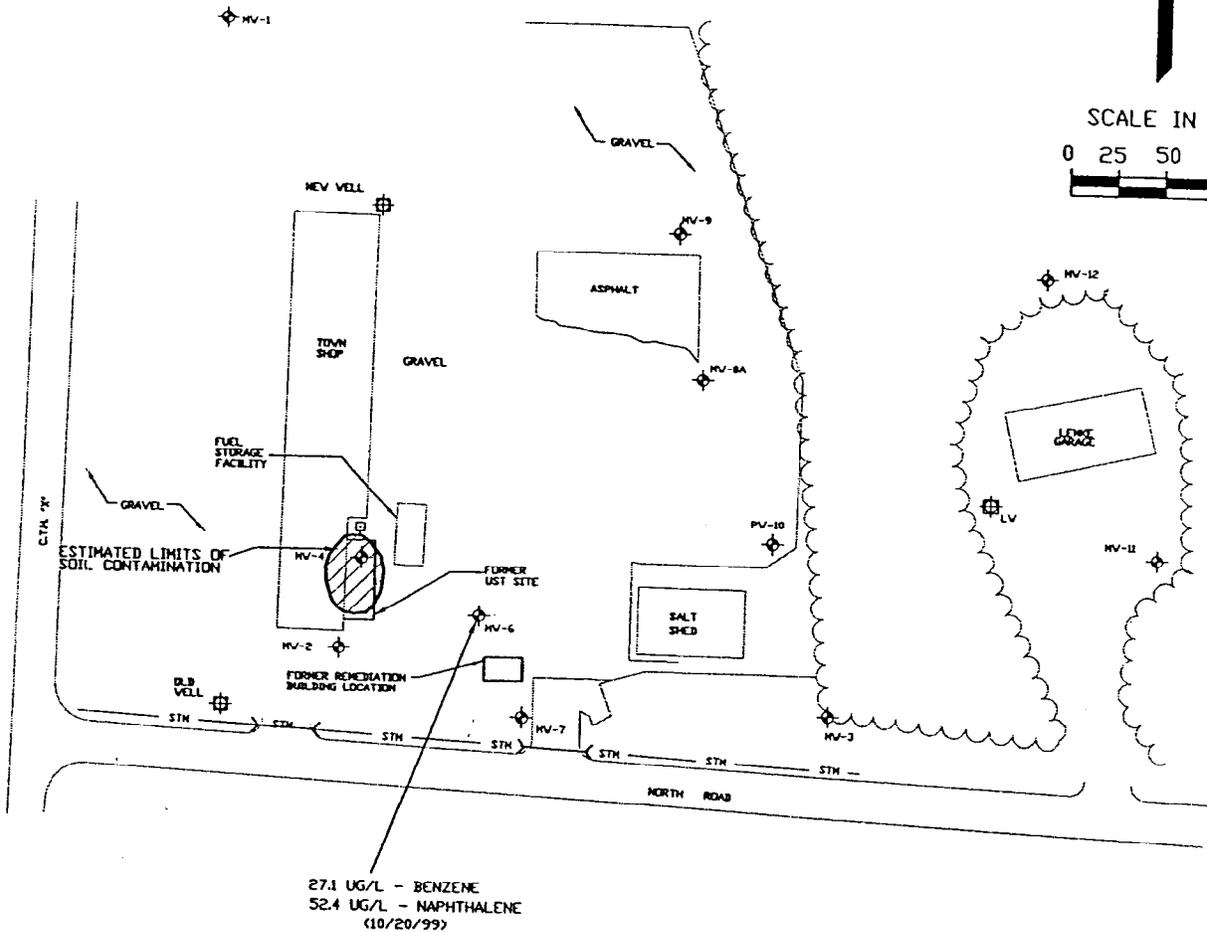
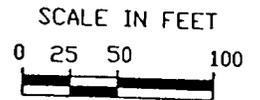
Signature: *Rick Smith*
Printed Name: Rick Smith

Subscribed and sworn to before me
this 23 day of May, 2001.

Frank N. Antone
Notary Public, State of Wisconsin
My commission expires 6-10-2001

This document was drafted by Brian L. Kent, Short Elliott Hendrickson Inc., 421 Frenette Drive, Chippewa Falls, WI 54729 based on comments from the Wisconsin Department of Natural Resources.

ATTACHMENT 1



27.1 UG/L - BENZENE
52.4 UG/L - NAPHTHALENE
(10/20/99)

NOTES:

1. SITE TOPOGRAPHY IS GENERALLY FLAT. EAST AND NORTH EDGES OF SITE SLOPE DOWNWARD.
2. TRIBUTARY OF PEPLIN CREEK LOCATED APPROXIMATELY 2100 FEET EAST OF SITE.
3. SITE MONITORING WELLS AND REMEDIATION WELLS WERE ABANDONED ON NOVEMBER 8, 2000

LEGEND

- PW-10 FORMER PRIVATE WELL LOCATION AND NUMBER
- MW-2 FORMER GROUNDWATER MONITORING WELL LOCATION AND NUMBER

E:\WASTE\KRON9401\CLOSURE\9401FSE3

1	1/03/01	DEED NOTICE AND GROUNDWATER USE RESTRICTION	R.J.H.	02/01	BLK	02/01			
NO.	DATE		DRAWN BY	DESIGN	FIELD REVIEW	QC CHECK			



TOWN OF KRONENWETTER
DEED NOTICE AND GROUNDWATER
USE RESTRICTION

FIGURE 1
ESTIMATED LIMITS OF SOIL
AND GROUNDWATER
CONTAMINATION

PROJ. NO. KRON9401	1
DATE	

663380

VOL 181 PAGE 367

This Indenture Made by Joseph B. Buska Sr. and Eva Buska, his wife, as joint tenants, and each in their individual right

grantors of Marathon County, Wisconsin, hereby

quit-claims to The TOWN OF KRONENWETTER, a municipal subdivision of the State of Wisconsin

grantee of Marathon County, Wisconsin, for the

sum of One Dollar (\$1.00) and other valuable consideration

Dollars,

the following tract of land in Marathon County, State of Wisconsin:

All that part of the Southwest quarter (SW 1/4) of the Southeast quarter (SE 1/4) of Section Twenty-seven (27), Township Twenty-seven (27) North, Range Seven (7) East, described as follows:

The South 466.70 feet of the West 466.70 feet, containing Five (5) acres, more or less, excepting therefrom the South 24.75 feet and the West 24.75 feet, for highway purposes.

NOTE: The purpose of this deed is to consolidate the descriptions contained in previous deeds between the parties hereto, and this property is to be used for municipal purposes.

FEE
\$ 77.25 (2)
EXEMPT

In witness whereof, the said grantors have hereunto set their hands and seals this 26th day of September, A. D., 1973.

Signed and Sealed in Presence of

Thaddeus Pietrzykowski
Thaddeus Pietrzykowski

Alfred J. King
Alfred J. King

Joseph B. Buska (SEAL)
Joseph B. Buska (SEAL)

Eva Buska (SEAL)
Eva Buska (SEAL)

(SEAL)

State of Wisconsin,
Marathon County, } ss.

Personally came before me, this 26th day of September, A. D., 1973.

the above named Joseph B. Buska and Eva Buska

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

Thaddeus P. Pietrzykowski
Thaddeus Pietrzykowski

RECD FOR RECORD
JAN 21 1974
1:57 A.M.
ROBERT G. GERNETZKY
Register of Deeds

Notary Public, Marathon County, Wis.

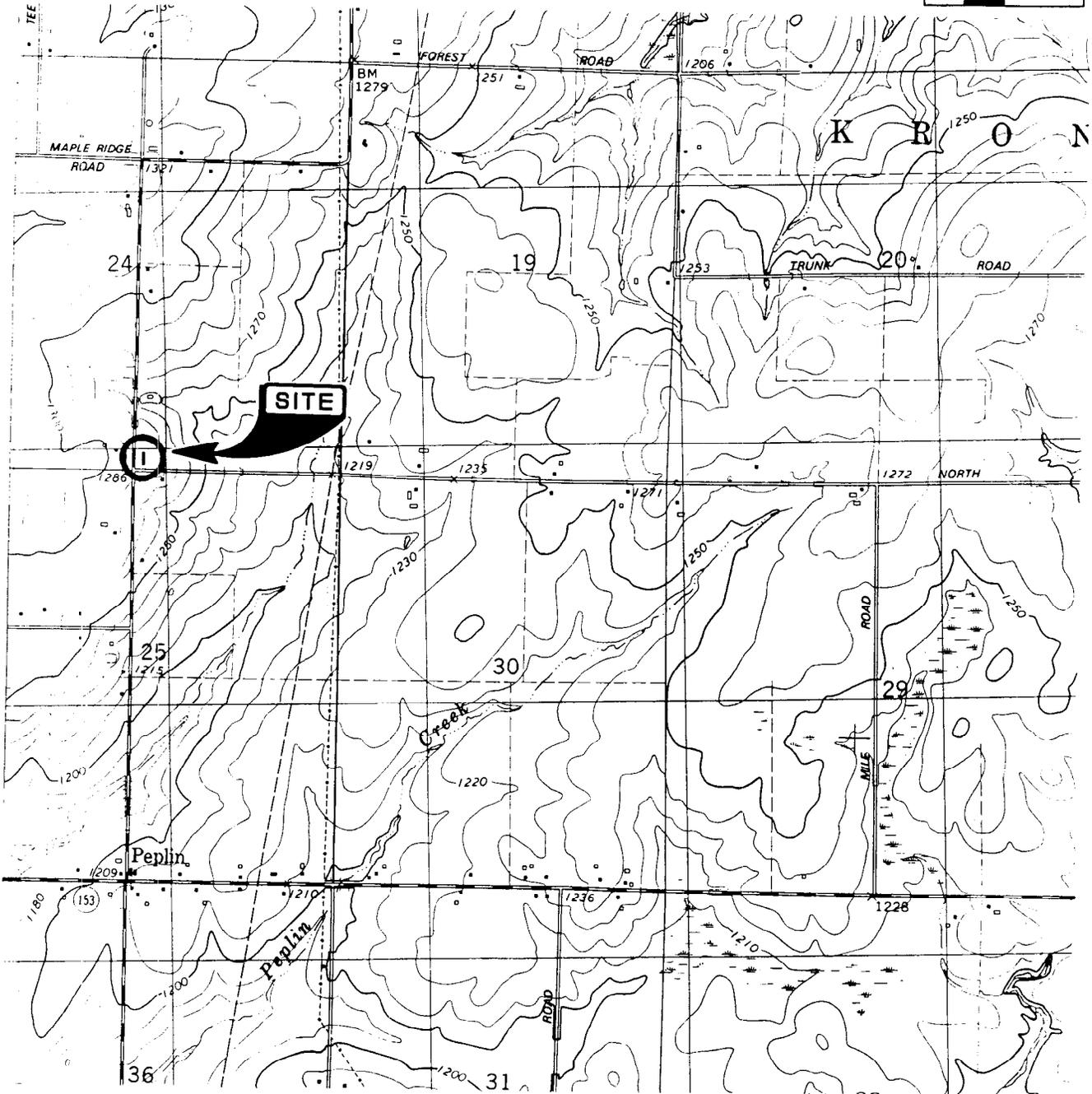
My commission expires March 3rd A. D., 1974

Drafted by P. L. Crooks, 531 Washington Street, Wausau, Wisconsin, 54981

REPRODUCED FROM
USGS PEPLIN QUADRANGLE
 WISCONSIN - PIERCE CO. 7.5 MINUTE SERIES
 1974



SCALE IN FEET
 0 500 1000 2000



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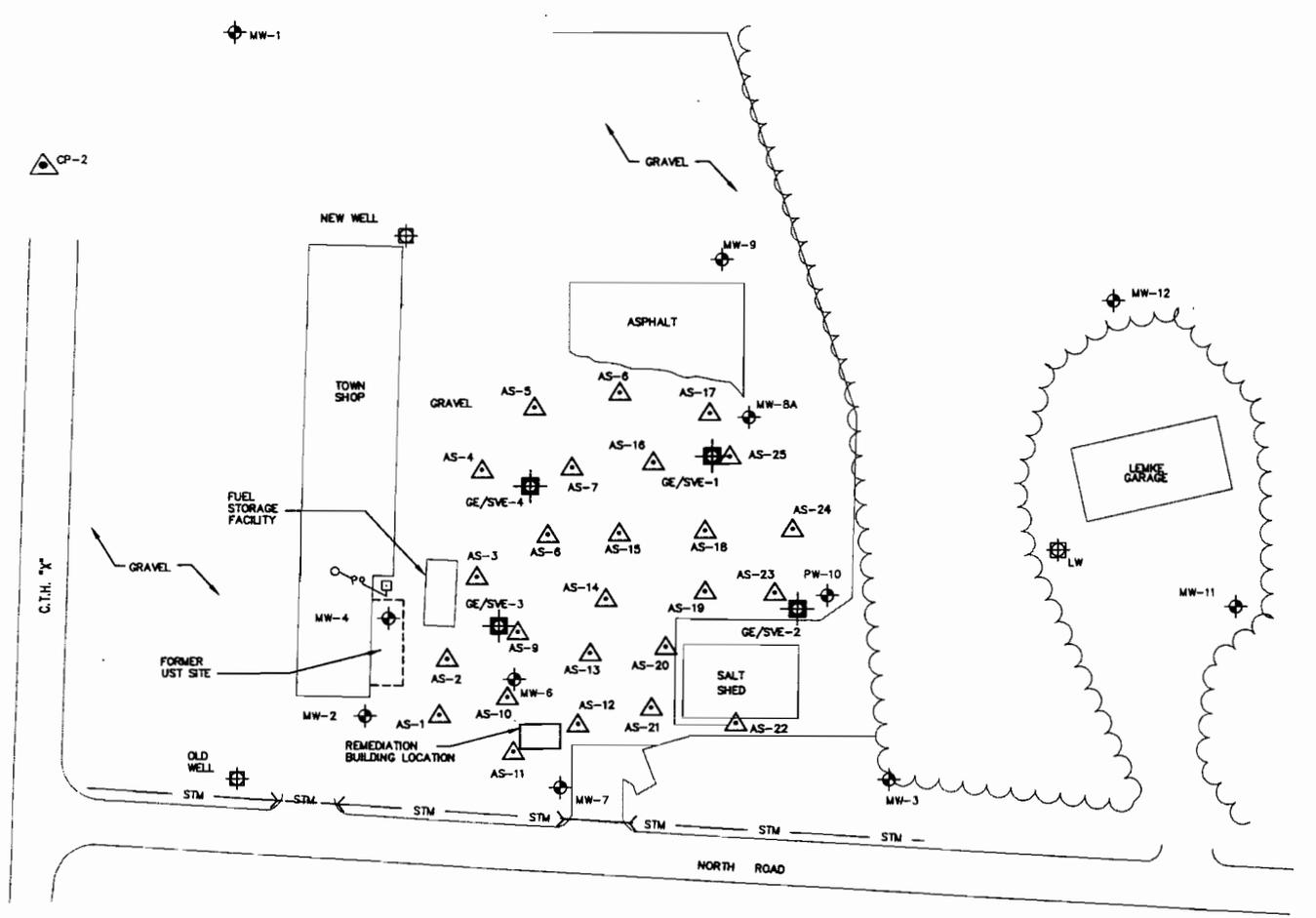


**TOWN OF
 KRONENWETTER GARAGE
 CASE CLOSURE**

**FIGURE 1
 SITE LOCATION**

PROJ. NO. KRON9401	1
DATE 02/24/00	

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LEGEND

- PW-10 PRIVATE WELL LOCATION AND NUMBER
- MW-2 GROUNDWATER MONITORING WELL LOCATION AND NUMBER
- AS-11 AIR SPARGING WELL LOCATION AND NUMBER
- GE/SVE-3 GROUNDWATER EXTRACTION / SOIL VAPOR EXTRACTION WELL LOCATION AND NUMBER
- CP-1 SURVEY CONTROL POINT
- STM STORM SEWER DITCH
- OVERHEAD POWERLINE
- TREE LINE
- CULVERT
- UTILITY POLE

MONITORING WELLS		
WELL NO.	STATION	TOP OF PVC
MW-1	104+62.97N, 100+93.50E	95.92
MW-2	101+31.47N, 101+57.40E	98.79
MW-3	101+00.13N, 104+14.42E	90.52
MW-4	101+79.48N, 101+68.74E	100.91
MW-6	101+49.81N, 102+30.48E	94.45
MW-7	100+96.34N, 102+53.60E	96.15
MW-8A	102+77.89N, 103+44.87E	91.75
MW-9	103+54.10N, 103+31.42E	93.22
PW-10	101+96.70N, 103+83.40E	94.82
MW-11	101+85.03N, 105+84.17E	79.23
MW-12	103+34.12N, 105+23.70E	78.45

- NOTES:**
- SITE TOPOGRAPHY IS GENERALLY FLAT. EAST AND NORTH EDGES OF SITE SLOPE DOWNWARD.
 - TRIBUTARY OF PEPLIN CREEK LOCATED APPROXIMATELY 2100 FEET EAST OF SITE.
 - MONITORING WELLS MW-4 AND MW-7 AND AIR SPARGE WELL AS-22 HAVE BEEN DAMAGED AND NEED TO BE ABANDONED.
 - MW-5 WAS ABANDONED ON 10/14/96 DUE TO DAMAGE SUSTAINED DURING OPERATION ACTIVITIES AT THE TOWNSHIP GARAGE.

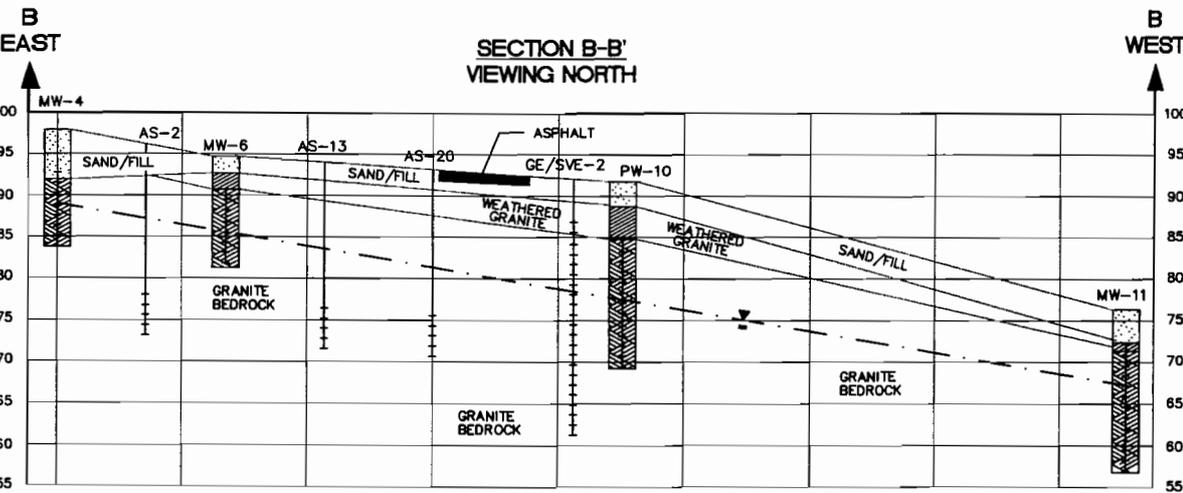
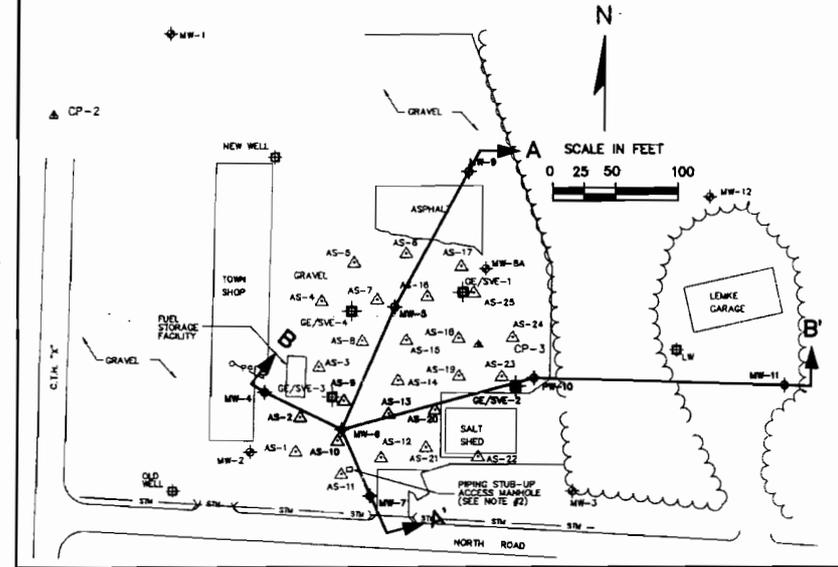
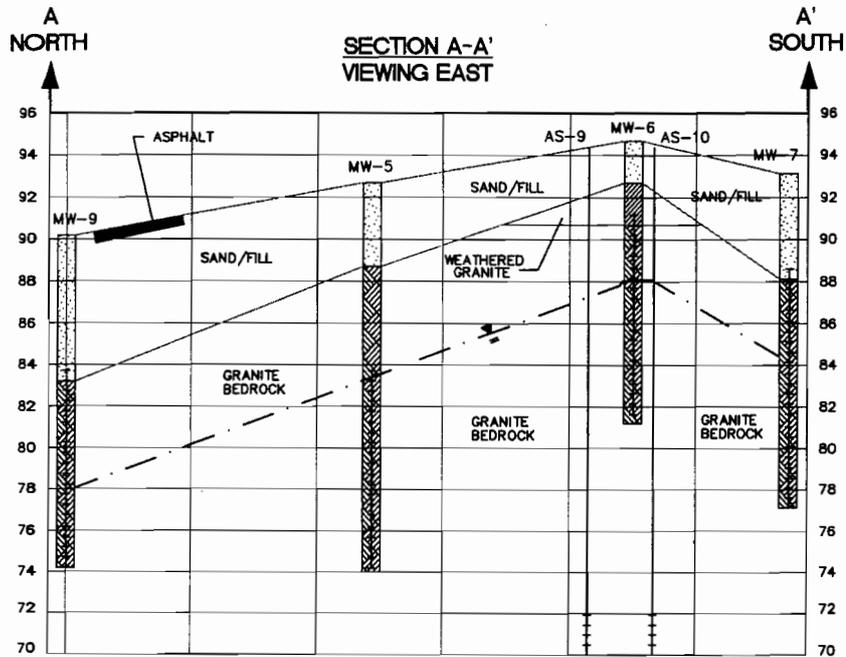
NO.	DATE	ISSUE/REVISIONS	DRAWN BY	DESIGN	FIELD REVIEW	QC CHECK
1	02/28/00		J.E.	02/00	BLK	02/00



TOWN OF KRONENWETTER GARAGE CASE CLOSURE

**FIGURE 2
SITE PLAN-
EXISTING CONDITIONS**

PROJ. NO. KRON9401	2 4
DATE 02/28/00	



LEGEND

- SAND/FILL
- WEATHERED GRANITE
- GRANITE BEDROCK
- WATER TABLE ELEVATION AS OF 09/25/96
- WELL SCREEN INTERVAL

NOTES:

1. ELEVATIONS ARE SHOWN IN REFERENCE TO SITE DATUM.
2. FOR THE PURPOSE OF ILLUSTRATING SUBSURFACE CONDITIONS ON THE CROSS SECTIONS, SOME OF THE BORING LOGS HAVE BEEN SIMPLIFIED. FOR A DETAILED DESCRIPTION OF SUBSURFACE CONDITIONS AT INDIVIDUAL BORINGS, REFER TO SOIL BORING LOGS SUBMITTED TO THE WMR IN REPORT TITLED "PHASE 1 REMEDIAL INVESTIGATION" DATED APRIL 1995.
3. HORIZONTAL DISTANCES ARE MEASURED WITH RESPECT TO THE CENTER OF EACH SOIL BORING LOCATION.
4. GROUNDWATER ELEVATIONS ARE BASED ON MEASUREMENTS OBTAINED BY SEH ON 09/25/96.

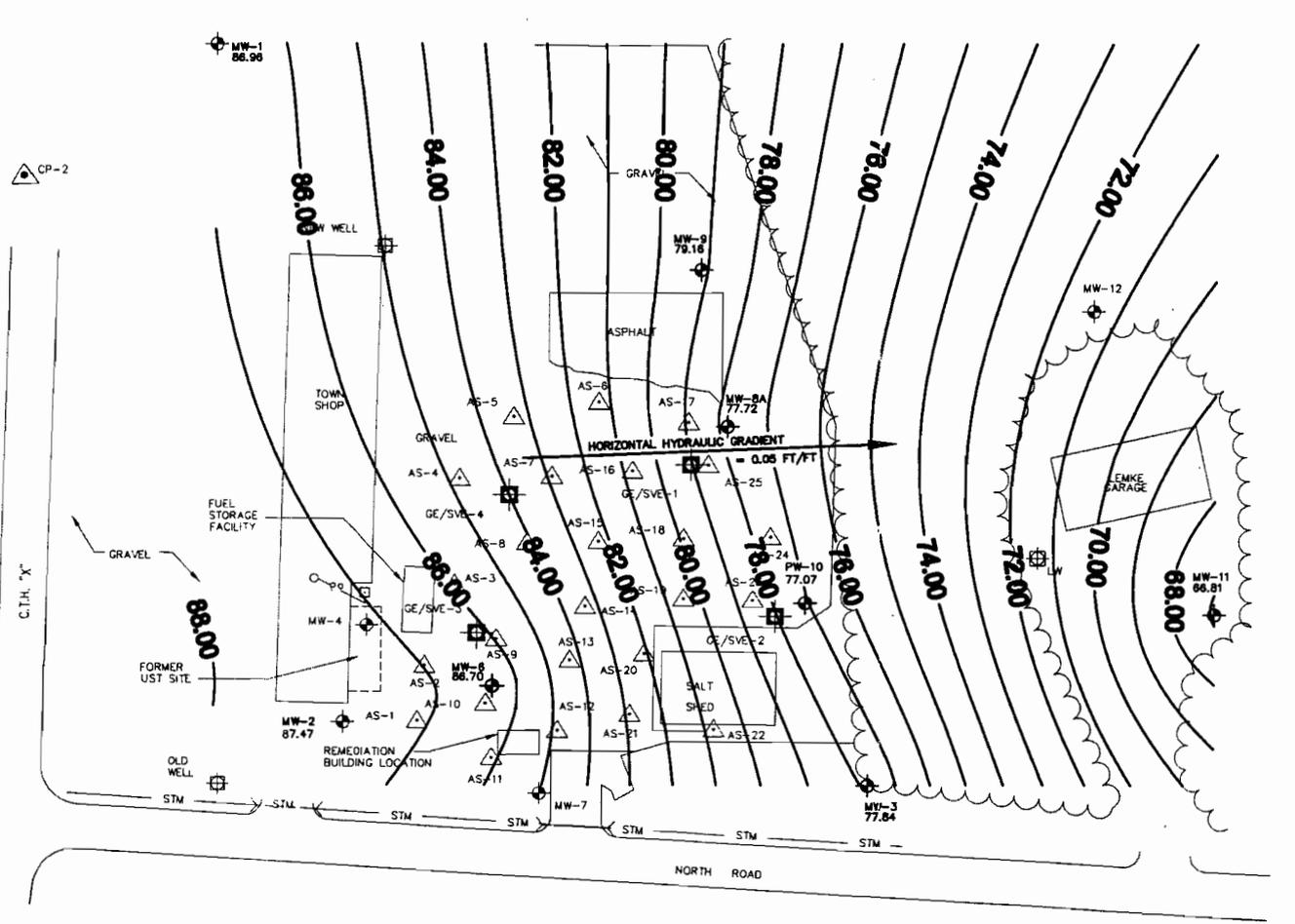
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1	02/24/00		JLE	02/00	BLK	02/00			
NO.	DATE	ISSUE/REVISIONS	DRAWN BY	DESIGN	FIELD REVIEW	QC CHECK			



TOWN OF KRONENWETTER GARAGE
CASE CLOSURE

FIGURE 4
GEOLOGIC
CROSS SECTIONS



LEGEND

- 74.00** GROUNDWATER ELEVATION CONTOUR
CONTOUR INTERVAL = 1 FT
- PW-10**
77.07 PRIVATE WELL LOCATION AND NUMBER
WITH WATER TABLE ELEVATION AS OF 01/24/00
- MW-6**
86.70 GROUNDWATER MONITORING WELL LOCATION
AND NUMBER WITH WATER TABLE ELEVATION
AS OF 01/24/00
- AS-11** AIR SPARGING WELL LOCATION
AND NUMBER
- GE/SVE-3** GROUNDWATER EXTRACTION / SOIL VAPOR
EXTRACTION WELL LOCATION AND NUMBER
- CP-1** SURVEY CONTROL POINT
- STM** STORM SEWER DITCH
- OVERHEAD POWERLINE
- TREE LINE
- CULVERT
- UTILITY POLE

NOTES:

1. SITE TOPOGRAPHY IS GENERALLY FLAT. EAST AND NORTH EDGES OF SITE SLOPE DOWNWARD.
2. TRIBUTARY OF PEPLIN CREEK LOCATED APPROXIMATELY 2100 FEET EAST OF SITE.
3. MONITORING WELLS MW-4 AND MW-7 AND AIR SPARGE WELL AS-22 HAVE BEEN DAMAGED AND NEED TO BE ABANDONED.
4. MW-5 WAS ABANDONED ON 10/14/98 DUE TO DAMAGE SUSTAINED DURING OPERATION ACTIVITIES AT THE TOWNSHIP GARAGE.
5. WATER TABLE CONTOURS GENERATED USING SURFER®

1	02/24/00		JLE	02/00	BLK	02/00		DRS	03/00
NO.	DATE	ISSUE/REVISIONS	DRAWN BY	DESIGN	FIELD REVIEW	QC CHECK			



TOWN OF KRONENWETTER GARAGE
CASE CLOSURE

FIGURE 4
GROUNDWATER ELEVATION
CONTOURS- 01/24/00

PROJ. NO. KRONEN401	4
DATE 02/24/00	4

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**Table 1
Groundwater Analytical Results**

Analytical Parameters	NR 140 Standards		Well No./Sampling Date																				
	ES	PAL	MW-1		MW-2						MW-3				MW-4				MW-5				
			9/24/96	11/3/97	3/23/94	6/23/94	9/24/96	11/3/97	4/9/99	7/16/99	10/20/99	1/24/00	3/23/94	6/23/94	9/24/96	11/3/97	3/23/94	6/23/94	9/24/96	11/3/97	3/23/94	6/23/94	2/16/98
Field Data																							
Dissolved Oxygen (mg/l)	NSE	NSE	--	--	--	--	--	--	5.55	4.01	2.36	2.63	--	--	--	--	--	--	--	--	--	--	
Temperature (°C)	NSE	NSE	--	--	--	--	--	--	7	13	14	9	--	--	--	--	--	--	--	--	--	--	
ORP (mV)	NSE	NSE	--	--	--	--	--	--	97	50	27	25	--	--	--	--	--	--	--	--	--	--	
Conductivity (µl)	NSE	NSE	--	--	--	--	--	--	740	500	590	560	--	--	--	--	--	--	--	--	--	--	
pH (mg/l)	NSE	NSE	--	--	--	--	--	--	6.9	6.8	6.5	6.7	--	--	--	--	--	--	--	--	--	--	
Fe ²⁺ (mg/l)	0.3	0.15	--	--	--	--	--	--	0.0	0.0	0.0	0.0	--	--	--	--	--	--	--	--	--	--	
Mn ²⁺ (mg/l)	0.05	0.025	--	--	--	--	--	--	0.0	0.1	0.0	0.0	--	--	--	--	--	--	--	--	--	--	
SO ₄ ²⁻ (mg/l)	250	125	--	--	--	--	--	--	11.9	22.2	20.4	21.2	--	--	--	--	--	--	--	--	--	--	
NO ₃ ⁻ (as N) (mg/l)	10	2.0	--	--	--	--	--	--	0.5	0.0	0.0	0.0	--	--	--	--	--	--	--	--	--	--	
CO ₂ (mg/l)	NSE	NSE	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Analytical Data																							
GRO (µg/l)	NSE	NSE	BDL	<50	--	--	BDL	<50	--	--	--	--	--	BDL	BDL	<50	BDL	BDL	<50	1,050	1,960	1,370	
DRO (µg/l)	NSE	NSE	117	<100	--	--	243	150	--	--	--	--	--	BDL	248	110	62.2	BDL	322	<100	1,200	1,545	1,290
PVOCs (µg/l)																							
Benzene	5.0	0.5	BDL	<0.16	BDL	BDL	BDL	<0.16	--	--	--	--	BDL	BDL	BDL	<0.16	BDL	BDL	BDL	0.25	17.5	21.1	20.2
Ethylbenzene	700	140	BDL	<0.29	BDL	BDL	BDL	<0.29	--	--	--	--	BDL	BDL	BDL	<0.29	BDL	BDL	BDL	<0.29	58.8	128	86
Methyl tert butyl ether	60	12	BDL	<0.20	BDL	BDL	BDL	<0.20	--	--	--	--	BDL	BDL	BDL	<0.20	BDL	BDL	BDL	<0.20	BDL	BDL	BDL
Total Trimethylbenzenes*	480	96	BDL	<0.64	BDL	BDL	BDL	<0.64	--	--	--	--	BDL	BDL	BDL	<0.64	BDL	BDL	BDL	<0.64	11.9	358	55.4
Total Xylenes	620	124	BDL	<1.15	BDL	BDL	BDL	<1.15	--	--	--	--	BDL	BDL	BDL	<1.15	BDL	BDL	BDL	<1.15	57.9	122	38.1
Toluene	343	68.6	BDL	<0.36	BDL	BDL	BDL	<0.36	--	--	--	--	BDL	BDL	BDL	<0.36	BDL	BDL	BDL	<0.36	37	BDL	BDL
VOCs (µg/l)																							
Benzene	5.0	0.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methylene Chloride	150	15	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,1-Trichloroethane	200	40	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PAHs (µg/l)																							
Acenaphthene	NSE	NSE	BDL	<0.51	--	--	BDL	<0.51	--	--	--	--	--	BDL	<0.51	--	BDL	BDL	<0.51	--	17.7	BDL	BDL
Acenaphthylene	NSE	NSE	BDL	<0.46	--	--	BDL	<0.46	--	--	--	--	--	BDL	<0.46	--	BDL	BDL	<0.46	--	8.44	BDL	BDL
Anthracene	3,000	600	BDL	<0.019	--	--	BDL	<0.019	--	--	--	--	--	BDL	<0.019	--	BDL	BDL	<0.019	--	BDL	BDL	BDL
Benzo(a)Anthracene	NSE	NSE	BDL	<0.011	--	--	BDL	<0.011	--	--	--	--	--	BDL	<0.011	--	BDL	BDL	<0.011	--	BDL	BDL	BDL
Benzo(g,h,i)Perylene	NSE	NSE	BDL	<0.011	--	--	BDL	<0.011	--	--	--	--	--	BDL	<0.011	--	BDL	BDL	<0.011	--	BDL	BDL	BDL
Chrysene	0.2	0.02	BDL	<0.013	--	--	BDL	<0.013	--	--	--	--	--	BDL	<0.013	--	BDL	BDL	<0.013	--	0.02	BDL	BDL
Dibenzo(a,h)Anthracene	NSE	NSE	BDL	<0.012	--	--	BDL	<0.012	--	--	--	--	--	BDL	<0.012	--	BDL	BDL	<0.012	--	0.025	BDL	BDL
Fluoranthene	400	80	BDL	<0.011	--	--	BDL	<0.011	--	--	--	--	--	BDL	<0.011	--	BDL	BDL	<0.011	--	BDL	BDL	BDL
Fluorene	400	80	BDL	<0.061	--	--	BDL	<0.061	--	--	--	--	--	BDL	<0.061	--	BDL	BDL	<0.061	--	2.7	BDL	BDL
1-Methyl Naphthalene	NSE	NSE	BDL	<0.45	--	--	BDL	<0.45	--	--	--	--	--	BDL	<0.45	--	BDL	BDL	<0.45	--	--	--	9.68
2-Methyl Naphthalene	NSE	NSE	BDL	<0.42	--	--	BDL	<0.42	--	--	--	--	--	BDL	<0.42	--	BDL	BDL	<0.42	--	6.18	BDL	7.6
Naphthalene	40	8.0	BDL	<0.48	--	--	BDL	<0.48	--	--	--	--	--	BDL	<0.48	--	BDL	BDL	<0.48	--	25.3	BDL	16.3
Phenanthrene	NSE	NSE	BDL	<0.050	--	--	BDL	0.077	--	--	--	--	--	BDL	<0.050	--	BDL	BDL	<0.050	--	BDL	BDL	BDL
Pyrene	250	50	BDL	<0.010	--	--	BDL	<0.010	--	--	--	--	--	BDL	<0.010	--	BDL	BDL	<0.010	--	BDL	BDL	BDL

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Table 1 (Continued)
Groundwater Analytical Results

Analytical Parameters	NR 140 Standards		Well No./Sampling Date																							
	ES	PAL	MW-6										MW-7				MW-8A									
			8/23/94	9/24/96	11/3/97	2/16/98	5/14/98	8/13/98	4/9/99	7/16/99	10/20/99	1/24/00	3/23/94	6/23/94	9/25/96	11/3/97	3/23/94	6/23/94	9/24/96	11/3/97	5/14/98	8/13/98	4/9/99	7/16/99	10/20/99	1/24/00
Field Data																										
Dissolved Oxygen (mg/l)	NSE	NSE	--	--	--	--	--	--	1.76	0.57	0.74	0.85	--	--	--	--	--	--	--	--	--	0.77	0.94	1.52	1.67	
Temperature (°C)	NSE	NSE	--	--	--	--	--	--	5	13	14	9	--	--	--	--	--	--	--	--	--	7	13	13	9	
ORP (mV)	NSE	NSE	--	--	--	--	--	--	86	-22	-34	-55	--	--	--	--	--	--	--	--	--	134	187	126	169	
Conductivity (µC)	NSE	NSE	--	--	--	--	--	--	1,630	780	910	990	--	--	--	--	--	--	--	--	--	>1,999	>1,999	1,790	>1,999	
pH (mg/l)	NSE	NSE	--	--	--	--	--	--	6.6	6.7	6.4	6.5	--	--	--	--	--	--	--	--	--	5.5	5.9	5.8	6.1	
Fe ²⁺ (mg/l)	0.3	0.15	--	--	--	--	--	--	0.79	2.98	5.9	4.7	--	--	--	--	--	--	--	--	1.46	0.36	3.58	3.38		
Mn ²⁺ (mg/l)	0.05	0.025	--	--	--	--	--	--	2.7	1.2	1.7	1.9	--	--	--	--	--	--	--	--	27.5	16.2	18.2	15.9		
SO ₄ ²⁻ (mg/l)	250	125	--	--	--	--	--	--	41.2	20.7	16	17.6	--	--	--	--	--	--	--	--	146.5	111.92	115.68	120.6		
NO ₃ (as N) (mg/l)	10	2.0	--	--	--	--	--	--	0.0	1.3	1.1	1.2	--	--	--	--	--	--	--	--	0.0	0.0	3.9	2.3		
CO ₂ (mg/l)	NSE	NSE	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Analytical Data																										
GRO (µg/l)	NSE	NSE	5,320	5,450	4,700	3,700	2,500	--	--	--	--	--	--	--	BDL	<50	1,300	1,060	1,060	870	<50	--	--	--	--	--
DRO (µg/l)	NSE	NSE	3,460	2,730	1,400	1,300	460	--	--	--	--	--	--	--	343	<100	852	1,000	962	890	110	--	--	--	--	--
PVOCs (µg/l)																										
Benzene	5.0	0.5	--	52.6	28	62	8.5	10	7.49	6.83	27.1	19.4	BDL	BDL	BDL	<0.16	16	9.0	15.1	8.4	<0.26	0.58	0.733	2.96	2.37	0.752
Ethylbenzene	700	140	--	252	140	29	54	66	44.3	48.5	144	41.9	BDL	BDL	BDL	<0.29	130	32	57.4	51	<0.24	0.44	4.55	2.56	4.19	1.51
Methyl tert butyl ether	60	12	--	BDL	12	<0.4	9.7	7.5	<0.3	<0.3	<1.5	<1.5	BDL	BDL	BDL	<0.20	BDL	BDL	BDL	4.1	<0.22	0.53	<0.3	<0.3	<0.3	
Total Trimethylbenzenes*	480	96	--	740	500	490	281	291	207.5	180.4	368.6	55.39	BDL	BDL	BDL	<0.64	65.7	62.8	47.32	14.7	0.84	3.1	11.49	6.34	2.06	1.776
Total Xylenes	620	124	--	830.5	321	740	200	225	115.9	92.3	377.4	50.3	BDL	BDL	BDL	<1.15	185.9	65.9	44.63	17.4	2.6	2.0	18.18	6.58	4.09	2.923
Toluene	343	68.6	--	164	46	270	16	22	25.5	4.62	94	9.43	BDL	BDL	BDL	<0.36	113	2.6	7.49	4.1	0.36	<0.21	1.62	<0.5	1.45	1.69
VOCs¹ (µg/l)																										
Benzene	5.0	0.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methylene Chloride	150	15	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,1-Trichloroethane	200	40	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PAHs² (µg/l)																										
Acenaphthene	NSE	NSE	--	BDL	<0.51	<0.41	<0.47	<0.47	--	--	--	--	--	--	BDL	<0.51	--	8.94	BDL	<0.51	<0.47	<0.47	--	--	--	--
Acenaphthylene	NSE	NSE	--	BDL	<0.46	<0.41	<0.41	<0.41	--	--	--	--	--	--	BDL	<0.46	--	3.74	BDL	<0.46	<0.41	<0.41	--	--	--	--
Anthracene	3,000	600	--	BDL	<0.019	0.022	<0.019	<0.019	--	--	--	--	--	--	BDL	<0.019	--	--	BDL	<0.019	<0.019	<0.019	--	--	--	--
Benzo(a)Anthracene	NSE	NSE	--	BDL	<0.011	<0.011	<0.011	<0.011	--	--	--	--	--	--	BDL	<0.011	--	--	BDL	<0.011	<0.011	<0.011	--	--	--	--
Benzo(g,h,i)Perylene	NSE	NSE	--	BDL	<0.011	0.053	<0.011	<0.011	--	--	--	--	--	--	BDL	<0.011	--	--	BDL	<0.011	<0.011	<0.011	--	--	--	--
Chrysene	0.2	0.02	--	BDL	0.016	<0.013	0.027	0.045	--	--	--	--	--	--	BDL	<0.013	--	BDL	BDL	<0.013	<0.016	<0.016	--	--	--	--
Dibenzo(a,h)Anthracene	NSE	NSE	--	BDL	<0.012	0.012	<0.020	<0.020	--	--	--	--	--	--	BDL	<0.012	--	BDL	BDL	<0.012	<0.013	<0.013	--	--	--	--
Fluoranthene	400	80	--	BDL	<0.011	0.012	<0.011	<0.011	--	--	--	--	--	--	BDL	0.011	--	BDL	BDL	<0.011	<0.011	<0.011	--	--	--	--
Fluorene	400	80	--	BDL	0.71	0.57	<0.058	<0.058	--	--	--	--	--	--	BDL	<0.61	--	1.27	BDL	0.24	<0.058	<0.058	--	--	--	--
1-Methyl Naphthalene	NSE	NSE	--	38.4	10	<0.45	<0.36	<0.36	--	--	--	--	--	--	BDL	<0.45	--	--	BDL	<0.45	<0.36	<0.36	--	--	--	--
2-Methyl Naphthalene	NSE	NSE	--	34.4	8.2	1.5	<0.36	<0.36	--	--	--	--	--	--	BDL	<0.42	--	5.28	8.23	2.5	<0.36	<0.36	--	--	--	--
Naphthalene	40	8.0	--	38.3	11	1.5	<0.42	<0.42	15.8	21.6	62.4	29	--	--	BDL	<0.48	--	17.3	20.2	10	<0.42	<0.42	1.96	8.95	9.31	2.86
Phenanthrene	NSE	NSE	--	BDL	<0.20	0.76	0.09	0.16	--	--	--	--	--	--	BDL	<0.050	--	BDL	BDL	<0.15	<0.046	<0.046	--	--	--	--
Pyrene	250	50	--	BDL	0.02	0.017	0.028	0.037	--	--	--	--	--	--	BDL	0.01	--	BDL	BDL	<0.010	<0.017	<0.017	--	--	--	--

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Table 1 (Continued)
Groundwater Analytical Results

Analytical Parameters	NR 140 Standards		Well No./Sampling Date																									
	ES	PAL	MW-9		PW-10								MW-11								MW-12							
			6/23/94	3/23/94	6/23/94	9/24/96	11/3/97	2/16/98	5/14/98	8/13/98	4/9/99	7/16/99	10/20/99	1/24/00	3/23/94	6/23/94	9/25/96	11/3/97	4/9/99	7/16/99	10/20/99	1/24/00	3/23/94	6/23/94	9/25/96	11/3/97		
Field Data																												
Dissolved Oxygen (mg/l)	NSE	NSE	--	--	--	--	--	--	--	--	0.72	0.44	1.44	2.06	--	--	--	--	3.61	3.60	3.11	3.35	--	--	--	--	--	
Temperature (°C)	NSE	NSE	--	--	--	--	--	--	--	--	7	10	12	9	--	--	--	--	6	12	11	9	--	--	--	--	--	
ORP (mV)	NSE	NSE	--	--	--	--	--	--	--	--	129	126	157	149	--	--	--	--	98	136	115	135	--	--	--	--	--	
Conductivity (µS)	NSE	NSE	--	--	--	--	--	--	--	--	1,850	>1,999	--	>1,999	--	--	--	--	440	1,510	--	1,910	--	--	--	--	--	
pH (mg/l)	NSE	NSE	--	--	--	--	--	--	--	--	6.3	6.3	6.2	6.3	--	--	--	--	7.0	7.0	6.7	6.8	--	--	--	--	--	
Fe ²⁺ (mg/l)	0.3	0.15	--	--	--	--	--	--	--	--	0.05	1.03	0.61	0.59	--	--	--	--	0.22	0.09	0.89	0.95	--	--	--	--	--	
Mn ²⁺ (mg/l)	0.05	0.025	--	--	--	--	--	--	--	--	17.5	7.1	12.6	13.7	--	--	--	--	1.60	4.2	6.7	5.2	--	--	--	--	--	
SO ₄ ²⁻ (mg/l)	250	125	--	--	--	--	--	--	--	--	57	71.3	67.1	89.2	--	--	--	--	45.8	29.5	63.5	61.2	--	--	--	--	--	
NO ₃ ⁻ (as N) (mg/l)	10	2.0	--	--	--	--	--	--	--	--	4.8	12.3	5.4	6.7	--	--	--	--	0.0	0.0	0.0	0.0	--	--	--	--	--	
CO ₂ (mg/l)	NSE	NSE	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Analytical Data																												
GRO (µg/l)	NSE	NSE	BDL	BDL	760	BDL	<50	<50	<50	--	--	--	--	--	BDL	BDL	BDL	<50	--	--	--	--	BDL	BDL	BDL	<50	<50	
DRO (µg/l)	NSE	NSE	835	125	862	315	240	<100	<100	--	--	--	--	--	BDL	67	161	<100	--	--	--	--	BDL	BDL	221	<100	<100	
PVOCs (µg/l)																												
Benzene	5.0	0.5	BDL	0.9	10	0.88	1.0	<0.16	<0.26	<0.26	0.31	1.96	2.52	<0.15	BDL	BDL	BDL	<0.16	<0.2	<0.2	0.21	<0.15	BDL	BDL	BDL	<0.16	<0.16	
Ethylbenzene	700	140	BDL	BDL	26.4	BDL	<0.29	<0.29	<0.24	<0.24	0.891	<0.5	4.16	<0.5	BDL	BDL	BDL	<0.29	<0.5	<0.5	<0.5	<0.5	BDL	BDL	BDL	<0.29	<0.29	
Methyl tert butyl ether	60	12	BDL	BDL	BDL	BDL	<0.20	<0.20	<0.22	<0.22	<0.3	<0.3	<0.3	<0.3	BDL	BDL	BDL	<0.20	<0.3	<0.3	<0.3	<0.3	BDL	BDL	BDL	<0.20	<0.20	
Total Trimethylbenzenes*	480	96	BDL	BDL	111	1.27	0.45	<0.64	<1.4	<1.4	1.46	<1.0	1.2	<0.55	BDL	BDL	BDL	<0.64	<1.0	<1.0	<0.55	<0.55	BDL	BDL	BDL	<0.64	<0.64	
Total Xylenes	620	124	BDL	BDL	90.3	BDL	0.26	<1.15	<1.15	<1.15	3.668	<1.0	3.5	<0.55	BDL	BDL	BDL	<1.15	<1.0	<1.0	<0.55	<0.55	BDL	BDL	BDL	<1.15	<1.15	
Toluene	343	68.6	BDL	4.5	BDL	BDL	<0.36	<0.36	<0.21	<0.21	<0.5	<0.5	1.2	<0.4	BDL	BDL	BDL	<0.36	<0.5	<0.5	<0.4	<0.4	BDL	BDL	BDL	<0.36	<0.36	
VOCs¹ (µg/l)																												
Benzene	5.0	0.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methylene Chloride	150	15	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,1-Trichloroethane	200	40	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PAHs² (µg/l)																												
Acenaphthene	NSE	NSE	--	--	4.24	BDL	<0.51	<0.51	<0.47	<0.47	--	--	--	--	--	--	BDL	<0.51	--	--	--	--	--	--	BDL	<0.51	<0.51	
Acenaphthylene	NSE	NSE	--	--	BDL	BDL	<0.46	<0.46	<0.41	<0.41	--	--	--	--	--	--	BDL	<0.46	--	--	--	--	--	--	BDL	<0.46	<0.46	
Anthracene	3,000	600	--	--	BDL	BDL	<0.019	<0.019	<0.019	<0.019	--	--	--	--	--	--	BDL	<0.019	--	--	--	--	--	--	BDL	<0.019	<0.019	
Benzo(a)Anthracene	NSE	NSE	--	--	BDL	BDL	<0.011	<0.011	<0.011	<0.011	--	--	--	--	--	--	BDL	<0.011	--	--	--	--	--	--	BDL	<0.011	<0.011	
Benzo(g,h,i)Perylene	NSE	NSE	--	--	BDL	BDL	<0.011	<0.011	<0.011	<0.011	--	--	--	--	--	--	BDL	<0.011	--	--	--	--	--	--	BDL	<0.011	<0.011	
Chrysene	0.2	0.02	--	--	BDL	BDL	<0.013	<0.013	<0.016	<0.016	--	--	--	--	--	--	BDL	<0.013	--	--	--	--	--	--	BDL	<0.013	<0.013	
Dibenzo(a,h)Anthracene	NSE	NSE	--	--	BDL	BDL	<0.012	<0.012	<0.020	<0.020	--	--	--	--	--	--	BDL	<0.012	--	--	--	--	--	--	BDL	<0.012	<0.012	
Fluoranthene	400	80	--	--	BDL	BDL	<0.011	<0.011	<0.011	<0.011	--	--	--	--	--	--	BDL	<0.011	--	--	--	--	--	--	BDL	<0.011	<0.011	
Fluorene	400	80	--	0.422	BDL	BDL	<0.061	<0.061	<0.058	<0.058	--	--	--	--	--	--	BDL	<0.061	--	--	--	--	--	--	BDL	<0.061	<0.061	
1-Methyl Naphthalene	NSE	NSE	--	--	--	0.233	<0.45	<0.45	<0.36	<0.36	--	--	--	--	--	--	BDL	<0.45	--	--	--	--	--	--	BDL	<0.45	<0.45	
2-Methyl Naphthalene	NSE	NSE	--	--	4.22	0.148	<0.42	<0.42	<0.36	<0.36	--	--	--	--	--	--	BDL	<0.42	--	--	--	--	--	--	BDL	<0.42	<0.42	
Naphthalene	40	8.0	--	--	9.36	0.671	1.2	<0.48	<0.42	<0.42	<1.0	3.62	10	<0.8	--	--	BDL	<0.48	<1.0	<1.0	1.16	<0.8	--	--	BDL	<0.48	<0.48	
Phenanthrene	NSE	NSE	--	--	BDL	BDL	0.11	<0.050	<0.046	<0.046	--	--	--	--	--	--	BDL	<0.050	--	--	--	--	--	--	BDL	<0.050	<0.050	
Pyrene	250	50	--	--	BDL	BDL	<0.010	<0.010	<0.017	<0.017	--	--	--	--	--	--	BDL	<0.010	--	--	--	--	--	--	BDL	<0.010	<0.010	

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**Table 1 (Continued)
Groundwater Analytical Results**

Analytical Parameters	NR 140 Standards		Well No./Sampling Date																	
	ES	PAL	NW			Lemke Private Well							GE/SVE-1 ¹		GE-SVE-2 ²		GE-SVE-3 ³		GE/SVE-4	
			3/23/94	6/23/94	11/4/97	3/23/94	6/23/94	9/25/96	11/4/97	2/16/98	4/9/99 ⁴	1/24/00	9/25/96	11/12/97	9/25/96	11/12/97	9/25/96	11/12/97	9/25/96	11/12/97
Field Data																				
Dissolved Oxygen (mg/l)	NSE	NSE	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Temperature (°C)	NSE	NSE	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
ORP (mV)	NSE	NSE	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Conductivity (µU)	NSE	NSE	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
pH (mg/l)	NSE	NSE	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Fe ²⁺ (mg/l)	0.3	0.15	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Mn ²⁺ (mg/l)	0.05	0.025	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SO ₄ ²⁻ (mg/l)	250	125	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
NO ₃ ⁻ (as N) (mg/l)	10	2.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
CO ₂ (mg/l)	NSE	NSE	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Analytical Data																				
GRO (µg/l)	NSE	NSE	--	--	<50	--	--	BDL	<50	<50	--	--	680	--	291	--	6,890	--	10,300	--
DRO (µg/l)	NSE	NSE	--	--	<100	--	--	BDL	100	--	--	--	1,590	--	2,440	--	3,200	--	2,820	--
PVOCs (µg/l)																				
Benzene	5.0	0.5	BDL	BDL	<0.16	BDL	1.7	BDL	0.94	1.7	<0.2	<0.15	5.9	4.5	2.01	0.52	41.1	3.8	53	3.8
Ethylbenzene	700	140	BDL	BDL	<0.29	BDL	BDL	BDL	<0.29	<0.29	<0.5	<0.5	27 ^{LC}	8.9	1.21	0.75	232	41	578	75
Methyl tert butyl ether	60	12	BDL	BDL	<0.20	BDL	BDL	BDL	<0.20	<0.20	<0.3	<0.3	1.92	<0.53	2.22	<0.53	BDL	<1.1	BDL	<0.53
Total Trimethylbenzenes+A52	480	96	BDL	BDL	<0.64	BDL	BDL	BDL	<0.64	<0.64	<1.0	<0.55	60.4	12.1	4.43	2.58	943	200	985	192
Total Xylenes	620	124	BDL	BDL	<1.15	BDL	BDL	BDL	<1.15	<1.15	0.581	<0.55	120.1	14.9	3.15	3.33	1,193	195	2,557	352
Toluene	343	68.6	BDL	BDL	<0.36	BDL	BDL	BDL	<0.36	0.48	0.759	<0.4	14.2	2.8	BDL	0.68	266	26	998	80
VOCs (µg/l)																				
Benzene	5.0	0.5	BDL	BDL	--	3.2	1.7	--	--	--	--	--	--	--	--	--	--	--	--	--
Methylene Chloride	150	15	BDL	BDL	--	BDL	2.7LC	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,1-Trichloroethane	200	40	BDL	BDL	--	BDL	13.3	--	--	--	--	--	--	--	--	--	--	--	--	--
PAHs (µg/l)																				
Acenaphthene	NSE	NSE	--	--	<0.51	--	--	BDL	<0.51	--	--	--	BDL	<0.51	BDL	<0.51	BDL	<0.51	BDL	<0.51
Acenaphthylene	NSE	NSE	--	--	<0.46	--	--	BDL	<0.46	--	--	--	BDL	<0.46	BDL	<0.46	BDL	<0.46	BDL	<0.46
Anthracene	3,000	600	--	--	<0.019	--	--	BDL	<0.019	--	--	--	BDL	<0.019	BDL	<0.019	BDL	<0.019	BDL	<0.019
Benzo(a)Anthracene	NSE	NSE	--	--	<0.011	--	--	BDL	<0.011	--	--	--	BDL	<0.011	BDL	<0.011	BDL	<0.011	BDL	<0.011
Benzo(g,h,i)Perylene	NSE	NSE	--	--	<0.011	--	--	BDL	<0.011	--	--	--	BDL	<0.011	BDL	<0.011	BDL	<0.011	BDL	<0.011
Chrysene	0.2	0.02	--	--	<0.013	--	--	BDL	<0.013	--	--	--	BDL	<0.013	BDL	<0.013	BDL	0.027	BDL	0.043
Dibenzo(a,h)Anthracene	NSE	NSE	--	--	<0.012	--	--	BDL	<0.012	--	--	--	BDL	<0.012	BDL	<0.012	BDL	0.012	BDL	0.014
Fluoranthene	400	80	--	--	<0.011	--	--	BDL	<0.011	--	--	--	BDL	<0.011	BDL	<0.011	BDL	<0.011	BDL	<0.011
Fluorene	400	80	--	--	<0.061	--	--	BDL	<0.061	--	--	--	BDL	<0.061	BDL	<0.061	BDL	0.085	BDL	0.1
1-Methyl Naphthalene	NSE	NSE	--	--	<0.45	--	--	BDL	<0.45	--	--	--	6.11	<0.45	1.23	1.5	BDL	2.1	BDL	3.0
2-Methyl Naphthalene	NSE	NSE	--	--	<0.42	--	--	BDL	<0.42	--	--	--	3.56	<0.42	1.18	1.9	173	3.0	195	4.2
Naphthalene	40	8.0	--	--	<0.48	--	--	BDL	<0.48	--	<1.0	<0.8	8.22	<0.48	4.66	3.1	89.2	3.0	145	3.6
Phenanthrene	NSE	NSE	--	--	<0.050	--	--	BDL	<0.050	--	--	--	BDL	<0.050	BDL	<0.050	BDL	0.48	BDL	<0.050
Pyrene	250	50	--	--	<0.010	--	--	BDL	<0.010	--	--	--	BDL	<0.010	BDL	<0.010	BDL	0.013	BDL	<0.010

ES = ch. NR 140 Enforcement Standard
 PAL = ch. NR 140 Preventive Action Limit
 MWV-9 - Could not obtain sample during 3/23/94 or 9/24/96 sampling round
 NW = New well (potable water supply well for Town Shop)
 NSE = No standard established
 -- = Not analyzed for
 BDL = Below laboratory detection limit
 17.5 = Exceeds ch. NR 140 Enforcement Standard (ES)
 Data Compiled 12/96 by: DSE Checked by: FJL
 Revisions 11/98 by: DSE Checked by: FJL
 Revisions 1/00 by: BLK Checked by: FJL

0.9 = Exceeds ch. NR 140 Preventive Action Limit (PAL)
 * = ES and PAL for Total Trimethylbenzene
 1 = VOC list is not complete; VOCs not listed are BDL
 2 = PAH list is not complete; PAHs not listed are BDL
 3 = Groundwater samples collected from operating pump during pumping test
 4 = Similar PVOC concentrations were detected in the trip blank during this monitoring event
 LC = Methylene chloride is a common laboratory solvent and its presence in this sample may be due to lab contamination

Table 5
Monitoring Well Construction/Water Level Information

Well Number	Ground Surface Elevation (ft.)	Top of Casing Elevation (ft.)	Top of Screen Elevation (ft.)	Length of Screen (ft.)	Water Table Elevation								
					3/23/94	11/3/97	2/16/98	5/14/98	8/13/98	4/9/99	7/16/99	10/20/99	1/14/00
MW-1	93.46	95.92	90.12	10	--	88.33	87.85	90.33	89.07	93.58	90.51	87.66	86.96
MW-2	97.2	99.79	89.69	10	89.61	88.21	89.17	92.10	90.91	94.16	91.86	87.22	87.47
MW-3	87.44	90.52	78.86	10	77.68	77.99	78.46	78.63	78.35	79.60	78.63	78.34	77.84
MW-4	97.94	100.91	94.01	10	89.39	89.28	88.19	--	--	--	--	--	--
MW-6	--	94.45	91.55	10	--	88.68	86.81	91.27	90.40	92.77	--	87.53	86.70
MW-7	93.14	96.15	89.15	10	85.35	84.84	--	--	--	--	--	--	--
MW-8A	90.06	91.75	84.75	10	77.73	78.70	--	79.94	79.49	82.23	81.02	78.10	77.72
MW-9	90.2	93.22	88.82	10	77.86	Dry	Dry	79.41	79.23	81.50	80.48	Dry	79.16
PW-10	91.77	94.82	84.62	15	77.56	78.15	78.01	78.15	78.10	79.92	78.70	77.72	77.07
MW-11	76.36	79.23	72.23	15	68.34	67.86	67.31	--	67.89	72.00	69.97	67.14	66.81
MW-12	75.75	78.45	71.65	10	71.62	71.24	71.13	--	71.58	73.75	72.53	70.71	--

Note: Elevations are in reference to site datum

-- = Not available

Monitoring wells MW-4 and MW-7 have been damaged and are inaccessible

Compiled by: BLK Checked by: MJB

2000 Data Compiled by: BLK Checked by: XXX