GIS REGISTRY
Cover Sheet

March, 2010
(RR 5367)

Source Property Information

CLOSURE DATE: Nov 28, 2003

BRRTS #: **03-05-001083**

FID #:

ACTIVITY NAME: STH 96 ROW - WI DOT

DATCP #:

PROPERTY ADDRESS: 3809 SHIRLEY RD

COMM #:

MUNICIPALITY: GLENMORE TN

PARCEL ID #:

***WTM COORDINATES:**

X: **683567** Y: **433582**

** 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:

[X] Groundwater Contamination > ES *(236)*

- [X] Contamination in ROW
- [ ] Off-Source Contamination

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

[X] Soil Contamination > *RCL or **SSRCL *(232)*

- [X] Contamination in ROW
- [ ] Off-Source Contamination

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

Land Use Controls:

- [ ] N/A (*Not Applicable*)
- [ ] Soil: maintain industrial zoning *(220)*

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

- [ ] Structural Impediment *(224)*
- [ ] Site Specific Condition *(228)*
- [ ] Cover or Barrier *(222)*

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

- [ ] Vapor Mitigation *(226)*
- [ ] Maintain Liability Exemption *(230)*

(***note:*** *local government 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*

GIS Registry Checklist

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 #: 03-05-001083 PARCEL ID #: na

ACTIVITY NAME: STH 96 ROW - WI DOT WTM COORDINATES: X: 683567 Y: 433582

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

- [x] **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)
- [x] **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:**
- [x] **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.

- [x] **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 Diagram**
- [x] **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 #: na **Title: Site Diagram**
- [x] **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 #: na **Title: Site Diagram**

BRRTS #: 03-05-001083 ACTIVITY NAME: STH 96 ROW - WI DOT

MAPS (continued)

☐ **Geologic Cross-Section Map:** A map showing the source location and vertical extent of residual soil contamination exceeding a Residual Contaminant Level (RCL) or a Site Specific Residual Contaminant Level (SSRCL). If groundwater contamination exceeds a ch. NR 140 Enforcement Standard (ES) when closure is requested, show the source location and vertical extent, water table and piezometric elevations, and locations and elevations of geologic units, bedrock and confining units, if any.

Figure #: **Title:**

Figure #: **Title:**

☒ **Groundwater Isoconcentration Map:** For sites closing with residual groundwater contamination, this map shows the horizontal extent of all groundwater contamination exceeding a ch. NR140 Preventive Action Limit (PAL) and an Enforcement Standard (ES). Indicate the direction and date of groundwater flow, based on the most recent sampling data.
Note: *This is intended to show the total area of contaminated groundwater.*

Figure #: na **Title: Site Diagram**

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

Figure #: na **Title: Groundwater Contour Map (5/10/02)**

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 #: 1 **Title: Post-remediation Soil Analytical Results**

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

Table #: 2 **Title: Groundwater Analytical Results**

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

Table #: **Title:**

IMPROPERLY ABANDONED MONITORING WELLS

For each monitoring well not properly abandoned according to requirements of s. NR 141.25 include the following documents.
Note: *If the site is being listed on the GIS Registry for only an improperly abandoned monitoring well you will only need to submit the documents in this section for the GIS Registry Packet.*

☐ **Not Applicable**

☐ **Site Location Map:** A map showing all surveyed monitoring wells with specific identification of the monitoring wells which have not been properly abandoned.
Note: *If the applicable monitoring wells are distinctly identified on the Detailed Site Map this Site Location Map is not needed.*

Figure #: **Title:**

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

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

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

BRRTS #: 03-05-001083 ACTIVITY NAME: STH 96 ROW - WI DOT

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:

☐ **Return Receipt/Signature Confirmation:** Written proof of date on which confirmation was received for notifying any off-source property owner.

☐ **Deed of "Off-Source" Property:** The most recent deed(s) as well as legal descriptions, for all affected deeded **off-source property(ies).** This does not apply to right-of-ways.
Note: *If a property has been purchased with a land contract and the purchaser has not yet received a deed, a copy of the land contract which includes the legal description shall be submitted instead of the most recent deed. If the property has been inherited, written documentation of the property transfer should be submitted along with the most recent deed.*

☐ **Letter To "Governmental Unit/Right-Of-Way" Owners:** Copies of all letters sent by the Responsible Party (RP) to a city, village, municipality, state agency or any other entity responsible for maintenance of a public street, highway, or railroad right-of-way, within or partially within the contaminated area, for contamination exceeding a groundwater Enforcement Standard (ES) and/or soil exceeding a Residual Contaminant Level (RCL) or a Site Specific Residual Contaminant Level (SSRCL).

Number of "Governmental Unit/Right-Of-Way Owner" Letters:

State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

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

Northeast Region Headquarters
1125 N. Military Ave., P.O. Box 10448
Green Bay, Wisconsin 54307-0448
Telephone 920-492-5800
FAX 920-492-5913
TTY 920-492-5912

December 1, 2003

Robert E. Pearson P.G.
Wisconsin Department of Transportation
4802 Sheboygan Avenue, Room 451
Madison, WI 53707-7965

SUBJECT: Final Case Closure by Closure Committee with Conditions Met for State Highway 96 (Shirley Feed Mill), 3809 Shirley Road, Shirley, Wisconsin WDNR BRRTS # 03-05-001083

Dear Mr Pearson:

On November 3, 2003 your site as described above was reviewed for closure by the Northeast Closure Committee. This committee reviews environmental remediation cases for compliance with state laws and standards to maintain consistency in the closure of these cases. On November 6, 2003, you were notified that the Closure Committee had granted conditional closure to this case.

On November 28, 2003 the Department received final correspondence indicating that you have complied with the conditions of closure (submitted well abandonment forms). 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, Wis. Adm. Code. The Department considers this case closed and no further investigation, remediation or other action is required at this time. Please update your files indicating that soil contamination still remains in the right-of-way at the northeast quadrant of State Highway 96 and County Highway G.

Your site will be listed on the DNR Remediation and Redevelopment GIS Registry of Closed Remediation Sites. Information that was submitted with your closure request application will be included on the registry. To review the sites on the GIS Registry web page, visit http://gomapout.dnr.state.wi.us/org/at/et/geo/gwur/index.htm

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

The Department appreciates your efforts to restore the environment at this site. If you have any questions regarding this letter, please contact me at (920) 492-5864.

Sincerely,

Lisa Evenson

Lisa Evenson
Hydrogeologist
Remediation & Redevelopment Program

cc: Paul M. Garvey, STS Consultants, Ltd.
1035 Kepler Drive, Green Bay, WI 54311
Carrie Lutz, WDOT – Green Bay (electronic copy)

State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

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

Northeast Region Headquarters
1125 N. Military Ave., P.O. Box 10448
Green Bay, Wisconsin 54307-0448
Telephone 920-492-5800
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TTY 920-492-5912

November 6, 2003

Robert E. Pearson P.G.
Wisconsin Department of Transportation
4802 Sheboygan Avenue, Room 451
PO Box 451
Madison, WI 53707-7965

Subject: Conditional Case Closure for State Highway 96 (Shirley Feed Mill)
3809 Shirley Road, Shirley, Wisconsin
WDNR BRRTS # 03-05-001083

Dear Mr. Pearson:

On November 3, 2003, your request for closure of the case described above was reviewed by the Northeast Region Closure Committee. The 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 Committee has determined that the petroleum contamination on the site from the former underground storage tanks 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:

MONITORING WELL ABANDONMENT

The monitoring wells at the site must be properly abandoned in compliance with ch. NR 141, Wis. Adm.. Documentation of well abandonment must be submitted to Lisa Evenson on Form 3300-5B found at www.dnr.state.wi.us/org/water/dgw/gw/ or provided by the Department of Natural Resources.

WASTE AND SOIL PILE REMOVAL

Any remaining 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. Please send a letter advising me that any remaining waste and/or soil piles have been removed once that work is completed.

RIGHT-OF-WAY SOIL AND/OR GROUNDWATER CONTAMINATION

There is residual soil and/or groundwater contamination in a public street or highway right-of-way. Section NR 726.05(2)(b)4, Wis. Adm. Code, requires you to provide written notification of the presence of residual soil and/or groundwater contamination to the clerk of the town and county or municipality where the right-of-way is located. The Code also requires notification to the municipal or state agency that maintains the Highway. Since the Wisconsin Department of Transportation maintains the Highway, please update your database about the remaining soil and groundwater contamination at this location.

When the above conditions have been satisfied, please submit a letter to let me know 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 registry. To review the sites on the GIS Registry web page, visit http://gomapout.dnr.state.wi.us/org/at/et/geo/gwur/index.htm]

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) 492-5864.

Sincerely,

Lisa Evenson

Lisa Evenson
Hydrogeolgist
Remediation & Redevelopment Program

Enclosure

cc: Paul M. Garvey, STS Consultants, Ltd.
1035 Kepler Drive, Green Bay, WI 54311

Carrie Lutz, Wisconsin Department of Transportation – Green Bay (E-Copy)

STATEMENT OF PROPERTY LEGAL DESCRIPTION

As required by s.NR 726.05(3)f of the Wisconsin Administrative Code, I am providing this signed statement that to the best of my knowledge the legal description below is complete and accurate for the property identified by WDNR BRRTS No. 03-05-001083, located in Shirley, Wisconsin.

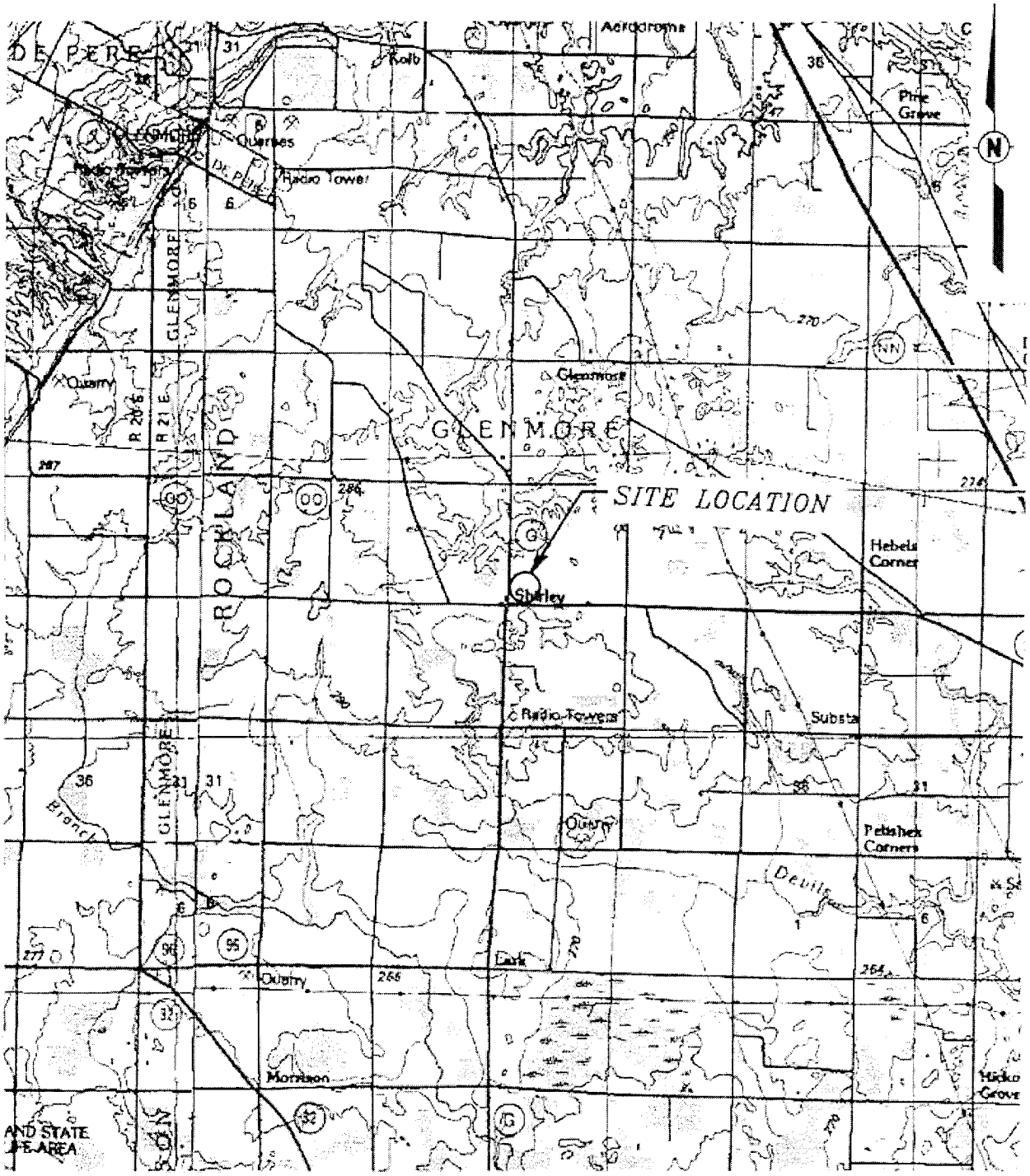
"Wisconsin Department of Transportation right-of-way property located at the northeast quadrant of the intersection of State Highway 96 and County Highway G in Shirley, Wisconsin. SW ¼, SW ¼, Section 22, T22N, R21E, Town of Glenmore, Brown County."

x Robert E. Pearson 04/04/03
(Signature) (Date)

ROBERT PEARSON
(Name)

HYDROGEOLOGIST
(Title)

WIS DOT
(Company)

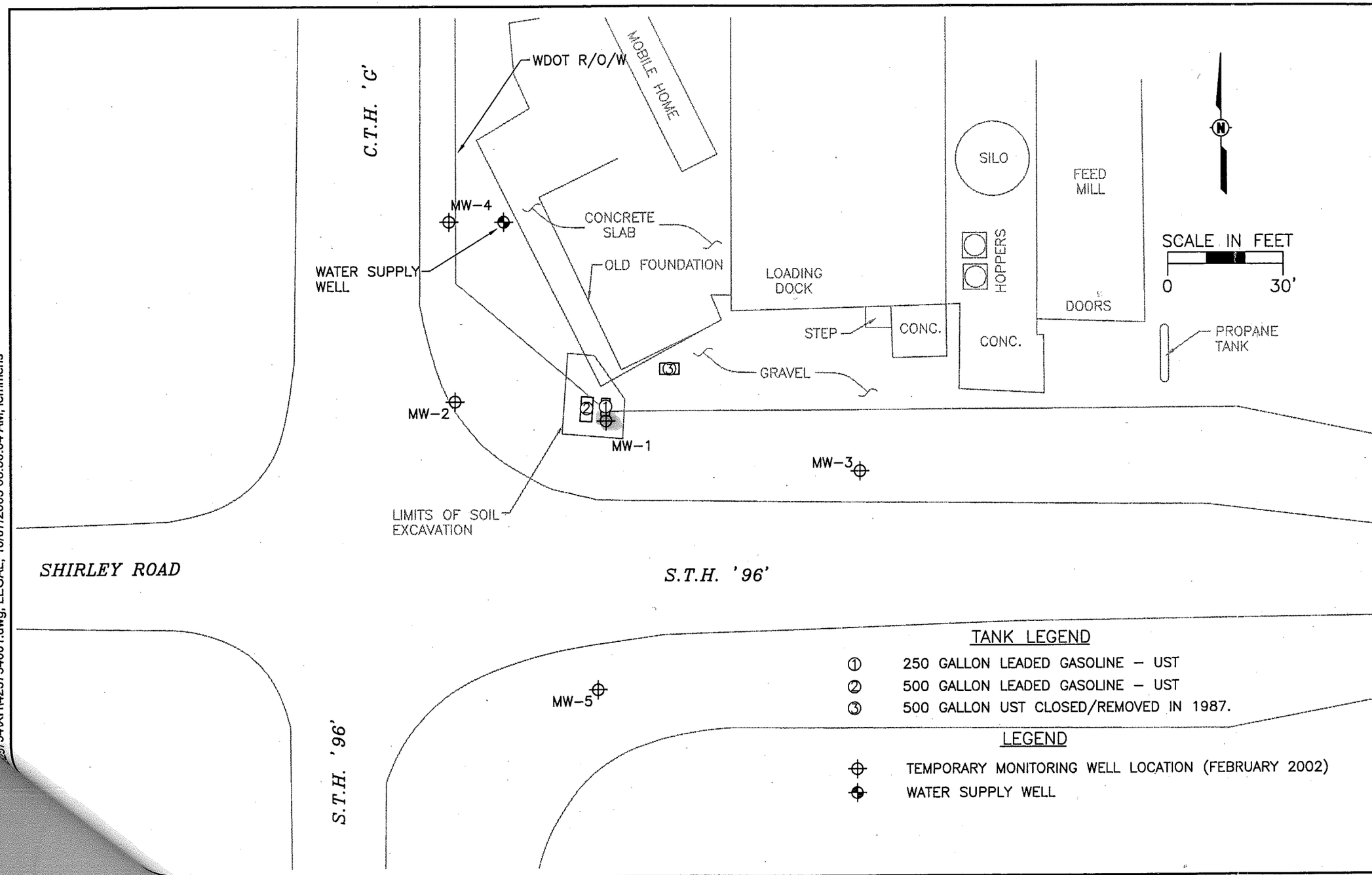


MAP SOURCE: MORRISON, WISCONSIN QUADRANGLE FROM TOPOZONE.COM.

STS Consultants Ltd.
Consulting Engineers
1038 Keener Dr.
Green Bay, WI 54311
920.468.1978

SITE LOCATION DIAGRAM
SHIRLEY FEED MILL
WISDOT PROJECT I.D.#0651-50-30
INTERSECTION S.T.H. 96 AND C.T.H. G
SHIRLEY, WISCONSIN

DESIGNED BY	PMG	8-6-01
DRAWN BY	JRL	8-6-01
APPROVED BY	RAM	8-6-01
CADFILE 425734001R	SCALE AS SHOWN	
STS PROJECT NO. 25734XF	FIGURE NO. 1	



DESIGNED BY PMG	DATE 10-6-03	
DRAWN BY JRL	DATE 10-6-03	
APPROVED BY RAM	DATE 10-6-03	
CADFILE 425734001	XREF	

SITE DIAGRAM
SHIRLEY FEED MILL
WISDOT PROJECT I.D.#0651-50-30
INTERSECTION S.T.H. 96 AND C.T.H. G
SHIRLEY, WISCONSIN

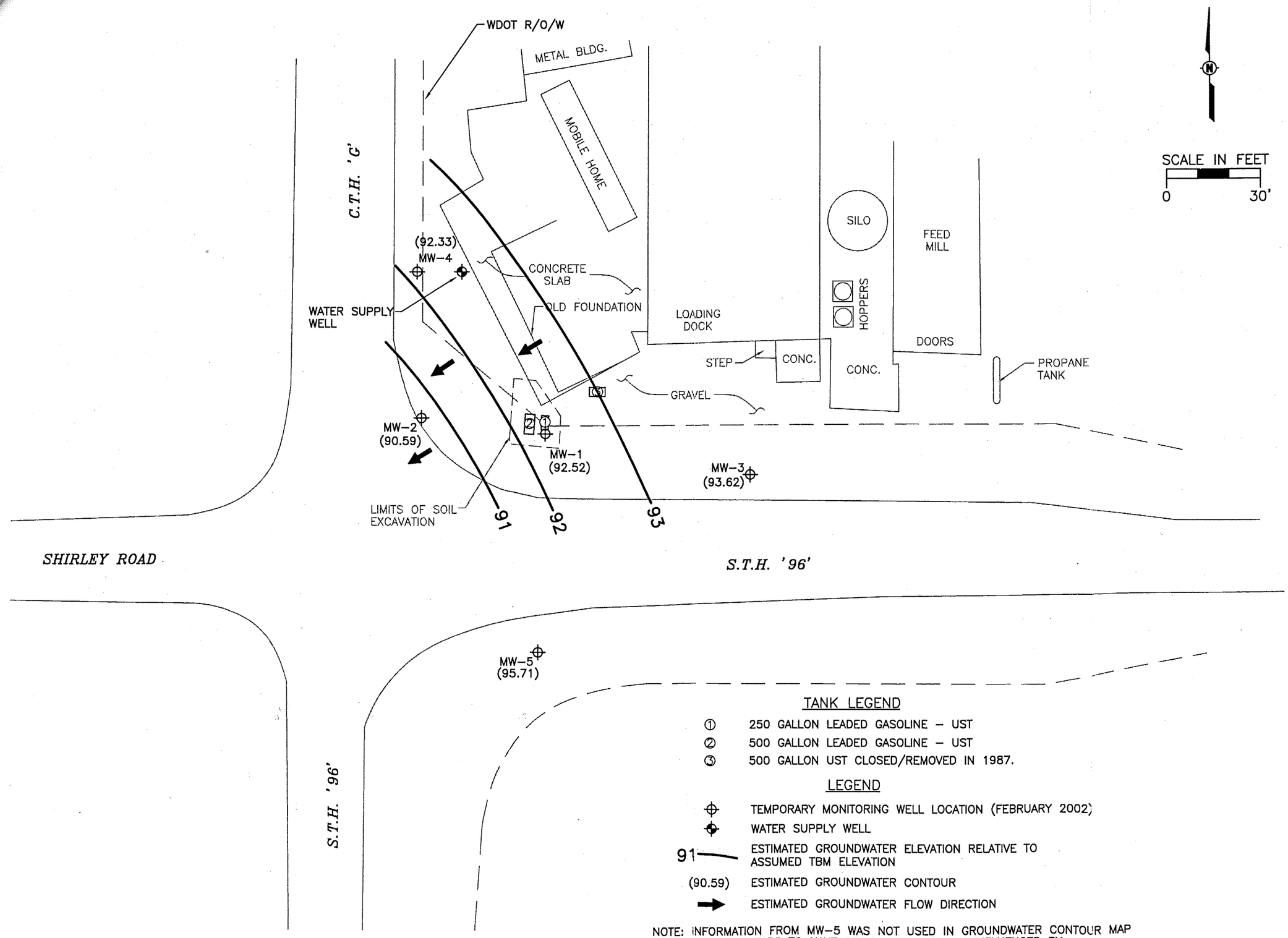
STS Consultants Ltd.

STS PROJECT NO. 25734XH

SCALE 1"=30'

FIGURE NO. 1

25734XH\425734001.dwg, LEGAL, 10/07/2003 08:50:04 AM, lemmens



DESIGNED BY	PMG	DATE 6-20-02
DRAWN BY	JRL	DATE 6-20-02
APPROVED BY	RAM	DATE 6-20-02

X:\PROJECTS\Dwg2002\25734\XH\ 425734003.dwg

GROUNDWATER CONTOUR MAP (5/10/02)
SHIRLEY FEED MILL
WISDOT PROJECT I.D.#0651-50-30
INTERSECTION S.T.H. 96 AND C.T.H. G
SHIRLEY, WISCONSIN

STS Consultants Ltd.
Consulting Engineers
1035 Kepler Dr.
Green Bay, WI 54311
920.468.1978

STS PROJECT NO. 25734XH
STS PROJECT FILE 425734001
SCALE 1"=30'
FIGURE NO. 3

X:\PROJECTS\Dwg2002\25734\XH\425734003.dwg, Model, 06/20/2002 08:28:06 AM, Lemmens

Groundwater Field Sampling Summary
Shirley Feed Mill
Shirley, Wisconsin

Location	Date	TPVC Elevation* (ft.)	Water Level TPVC (ft.)	Water Level Elev.(ft)* (ft.)	Ground Surface Elevation* (ft.)	Temperature (°Celcius)	pH	Conductivity	Color	Turbidity	Odor	Dissolved O_2 ppm	Gallons Purged
MW-1	02/25/2002	96.95	5.16	91.79	97.37	6.8	7.35	2490	Lt. Br.	Slight	None	10	1.5 - Dry
	05/10/2002	96.95	4.43	92.52	97.37	8.8	7.49	2270	Clear	Clear	Slight	8	3 - Dry
MW-2	02/25/2002	96.87	14.94	81.93	97.13	7.9	6.97	1238	Clear	Clear	None	6	0
	05/10/2002	96.87	6.28	90.59	97.13	8.8	6.96	4160	Clear	Clear	None	--	3 - Dry
MW-3	02/25/2002	97.66	8.56	89.10	98.04	7.8	6.69	5490	Clear	Clear	None	6	2 - Dry
	05/10/2002	97.66	4.04	93.62	98.04	9.4	6.8	7080	Clear	Clear	None	--	2.5 - Dry
MW-4	02/25/2002	95.41	12.70	82.71	95.7	7.8	6.9	2900	Clear	Clear	None	3	0
	05/10/2002	95.41	3.08	92.33	95.7	9.1	7.08	4150	Clear	Clear	None	--	3.5 - Dry
MW-5	02/25/2002	96.97	7.67	89.30	97.24	7.4	6.93	2580	Clear	Clear	None	4	1.25 - Dry
	05/10/2002	96.97	1.26	95.71	97.24	9.6	7.06	2850	Clear	Clear	None	--	3 - Dry
Tap	02/25/2002	--	--	--	--	--	--	--	Clear	Clear	None	2	--
	05/10/2002	--	--	--	--	--	--	--	Clear	Clear	None	--	Ran - 5 min.

Notes

-- = Not recorded

Table 1
Post-remediation Soil Analytical Results
Shirley Feed Mill
STH 96 and CTH G
Shirley, Wisconsin

Sample Number		MW-1	MW-2		MW-3		MW-4		MW-5		N Wall	S Wall	E Wall	W Wall	Base	WAC	WAC NR 746.06 - Values	
Sample Depth		8.0-10.0	3.5-4.0	6.0-8.0	2.0-4.0	6.0-8.0	2.0-4.0	6.0-8.0	2.0-4.0	6.0-8.0	5.0	5.0	5.0	5.0	7.0	NR 720.09	Table 1	Table 2
Date	Units	2/15/02	2/15/02	2/15/02	2/15/02	2/15/02	2/15/02	2/15/02	2/15/02	2/15/02	5/29/01	5/29/01	5/29/01	5/29/01	5/29/01	Generic RCL	Soil Screening	Direct Contact
Gasoline Range Organics	(mg/kg)	27	<1.6	1.9	<1.6	<1.6	<1.6	<1.6	<1.6	<1.6	5.0	<6.5	1.6	<6.5	**124**	100		
Lead	(mg/kg)	22	41	NA	21	NA	15	NA	23	NA	NA	NA	NA	NA	NA	50		
VOCs																		
Benzene	(ug/kg)	1.3	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	**30**	<90	**18**	<90	**687**	5.5	8,500	1,100
Ethylbenzene	(ug/kg)	0.086	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	72	<43	49	218	1090	2900	4,600	--
Methyl tert-butyl ether	(ug/kg)	0.079	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<22	<220	<22	<220	<220	--	--	--
Toluene	(ug/kg)	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	32	<42	9.3	<42	1320	1500	38,000	--
1,2,4-Trimethylbenzene	(ug/kg)	0.13	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	51	<99	18	395	486	--	83,000	--
1,3,5-Trimethylbenzene	(ug/kg)	0.12	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	33	<100	38	202	<100	--	11,000	--
Xylenes	(ug/kg)	0.219	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	101	<190	105	190	3020	4100	42,000	--
											excavation	excavation	excavation	excavation	excavation			

WAC NR 720 Generic RCL = Wisconsin Administrative Code Chapter NR 720.09 Generic Residual Contaminant Level (Based on Protection of Groundwater)

15 WAC NR 720 Generic RCL Exceedance

WAC NR 746.06 = Wisconsin Administrative Code Chapter NR 746.06 Risk Screening Criteria

Table 2
Groundwater Analytical Results
WisDOT Project ID No. 0651-50-10
Shirley Feed Mill
Shirley, Wisconsin

	Sample No.	MW-1 (former tank excavation)		MW-2		MW-3		MW-4		MW-5		Tap		NR 140 ES	NR 140 PAL
VOCs	sample date	25-Feb-02	10-May-02	25-Feb-02	10-May-02	25-Feb-02	10-May-02	25-Feb-02	10-May-02	25-Feb-02	10-May-02	25-Feb-02	10-May-02		
Methyl tert Butyl Ether (MTBE)	(ug/l)	<1	<2.0	<1	<0.40	<1	<0.40	<1	<0.40	<1	<0.40	<0.40	<0.40	60	12
Methyl Ethyl Ketone	(ug/l)	8.2	na	<1	na	<1	na	<1	na	<1	na	na	na	460	90
Benzene	(ug/l)	109.4 H	130	<0.5	<0.40	<0.5	<0.40	<0.5	<0.40	<0.5	<0.40	<0.40	<0.40	5	0.5
1,2-Dichloroethane	(ug/l)	24.4	na	<0.5	na	<0.5	na	<0.5	na	<0.5	na	na	na	5	0.5
1,2-Dichloropropane	(ug/l)	0.6 F	na	<0.5	na	<0.5	na	<0.5	na	<0.5	na	na	na	5	0.5
Toluene	(ug/l)	8.9	2.1	<0.5	<0.40	<0.5	<0.40	<0.5	<0.40	<0.5	<0.40	<0.40	<0.40	1,000	200
Ethylbenzene	(ug/l)	10.4	8.6	<0.5	<0.40	<0.5	<0.40	<0.5	<0.40	<0.5	<0.40	<0.40	<0.40	700	140
Xylenes	(ug/l)	49.5	18.7	<1.5	<1.40	<1.5	<1.40	<1.5	<1.40	<1.5	<1.40	<1.40	<1.40	10,000	1,000
Isopropylbenzene	(ug/l)	0.8 F	na	<0.5	na	<0.5	na	<0.5	na	<0.5	na	na	na	--	--
n-Propylbenzene	(ug/l)	1.4	na	<0.5	na	<0.5	na	<0.5	na	<0.5	na	na	na	--	--
2-Chlorotoluene	(ug/l)	0.8 F	na	<0.5	na	<0.5	na	<0.5	na	<0.5	na	na	na	--	--
1,3,5-Trimethylbenzene	(ug/l)	6.4	3.9	<0.5	<0.40	<0.5	<0.40	<0.5	<0.40	<0.5	<0.40	<0.40	<0.40	480	96
1,2,4-Trimethylbenzene	(ug/l)	15.4	13	<0.5	<0.50	<0.5	<0.50	<0.5	<0.50	<0.5	<0.50	<0.50	<0.50	480	96
Naphthalene	(ug/l)	<1	na	<1	na	<1	na	<1	na	<1	na	na	na	40	8

Notes:
na = Not analyzed
ES = NR 140 Enforcement Standard established March 2000
PAL = NR 140 Preventive Action Limit established March 2000
F = Analyte was identified but the value is below the RL.
H = Value exceeds calibration limit.
[ ] = Wisconsin Administrative Code Chapter NR 140 Enforcement Standard (NR 140 ES) Exceedance