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1790455007-Tazewell
Warsaw Howard
Rust Tech

MIDWEST ENVIRONMENTAL CONSULTING & REMEDIATION SERVICES, INC.
22200 ILLINOIS ROUTE 9 POST OFFICE BOX 614
TREMONT, ILLINOIS 61568
PHONE NO. (309) 925-5551 FAX (309) 925-5606

LETTER OF TRANSMITTAL

TO: Illinois Environmental Protection Agency
1021 North Grand Avenue East, PO Box 19276
Springfield, Illinois 62794-9276

DATE: August 23, 2005
JOB NO.: 9890
RE: CAP & Budget Amendment
Former Warsaw/ITCO
Route 122
Minier, Illinois

WE ARE SENDING YOU:

(X) REPORT ( ) LETTER ( ) CONTRACT & RATE SHEET

( ) MAP/DRAWINGS ( ) DOCUMENTS REQUIRING SIGNATURES

( ) REIMBURSEMENT DOCUMENTATION ( ) OTHER

COPIES	DESCRIPTION
2	Corrective Action Plan & Budget Amendment

THESE ARE TRANSMITTED AS CHECKED BELOW:

( ) REIMBURSEMENT SUBMITTAL (X) FOR APPROVAL ( ) AS NEEDED FOR REPORT

( ) COPY FOR YOUR RECORDS ( ) SIGNATURE REQUIRED ( ) AS REQUESTED

REMARKS:

Mr. Randsdell,

Please find enclosed the above referenced documentation for your review. As always, please feel free to contact our office with any questions or comments. Thank You!

FROM: Gaye Lynn Green: Office Manager

Midwest Environmental Consulting & Remediation Services, Inc.

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RELEASABLE
DEC 13 2005
REVIEWER MD

Midwest Environmental Consulting & Remediation Services Inc.
22200 Illinois Route 9 • P.O. Box 614
Tremont, IL 61568-0614
Phone: (309) 925-5551 • Fax: (309) 925-5606

August 17, 2005

Mr. Jim Ransdell
Illinois Environmental Protection Agency
Bureau of Land - #24
LUST Section
1021 North Grand Avenue East
Post Office Box 19276
Springfield, Illinois 62794-9276

Re: LPC #1790455007 – Tazewell County
Minier/Warsaw, Howard
Route 122
LUST Incident No. 981987
LUST Technical File

Dear Mr. Ransdell:

Attached please find the Amended High Priority Corrective Action Plan (CAP) and Budget for the subject site. Midwest Environmental Consulting & Remediation Services, Inc. (MECRS) has completed installation of the groundwater collection trench and groundwater treatment system at the subject site. Groundwater levels in the monitoring wells have not been indicative of the actual levels at the site and therefore no groundwater has been accumulating in the collection trench. Additional corrective action measures are necessary to enhance groundwater collection at the site. It is proposed that horizontal wells be installed across the site and tied in to the installed collection trench so that groundwater remediation can progress in a timely manner.

A budget covering the costs incurred beyond the investigation phase and the anticipated costs for installation of horizontal recovery wells for enhanced groundwater collection is attached for your review. Installation of the horizontal groundwater recovery wells will begin following receipt of an IEPA approval letter, approving the corrective action plan and budget.

If you have any questions or comments, please contact our office.

Sincerely,

Midwest Environmental Consulting and Remediation Services, Inc.

Allan M. Green
President

TKB/glg
cc: Mr. Howard Warsaw
Attachments
Job No. 9890

Leaking Underground Storage Tank Program

High Priority Site Investigation Corrective Action Plan

Incident Location: **Warsaw - ITCO**
Route 122
Minier, Illinois – Tazewell Co.

Prepared for: **Howard Warsaw**
Route 122
Minier, Illinois 61759

Prepared by: **Midwest Environmental Consulting and Remediation Services, Inc.**
22200 Illinois Route 9
Post Office Box 614
Tremont, Illinois 61568-0614
Contact: Allan Green – President

For Review by: **Illinois Environmental Protection Agency**
Bureau of Land - #24
LUST Section
1021 North Grand Avenue East
Post Office Box 19276
Springfield, Illinois 62794-9276
Contact: Mr. Jim Ransdell

High Priority Site Investigation Corrective Action Plan

TABLE OF CONTENTS

IEPA UST OWNER/OPERATOR FORM

The Agency is authorized to require this information under Section 4 and Title XVI of the Environmental Protection Act (415 ILCS 5/4, 5/57 - 57.17). Failure to disclose this information may result in a civil penalty of not to exceed $50,000.00 for the violation and an additional civil penalty of not to exceed $10,000.00 for each day during which the violation continues (415 ILCS 5/42). Any person who knowingly makes a false material statement or representation in any label, manifest, record, report, permit, or license, or other document filed, maintained or used for the purpose of compliance with Title XVI commits a Class 4 felony. Any second or subsequent offense after conviction hereunder is a Class 3 felony (415 ILCS 5/57.17). This form has been approved by the Forms Management Center.

Underground Storage Tank Owner/Operator:

Please indicate below the type of plan/report that is being submitted to the Agency at this time. This form must be attached to all plans and reports submitted to the Agency pursuant to 35 Ill. Adm. Code 732 and 415 ILCS 5/57-57.17. Please check all that apply.

20 Day Certification	____
45 Day Report	____
Free Product Removal Report	____

	Initial Submittal	Amended Submittal
Site Classification Plan	____	____
Site Classification Plan Budget	____	____
Site Classification Completion Report	____	____
Groundwater Monitoring Plan (Low Priority)	____	____
Groundwater Monitoring Plan Budget (Low Priority)	____	____
Groundwater Monitoring Results (Low Priority)	____	____
Professional Engineer Certification (Low Priority)	____	____
Corrective Action Plan (High Priority)	____	X
Corrective Action Plan Budget (High Priority)	____	X
Corrective Action Completion Report (High Priority)	____	____
Professional Engineer Certification (High Priority)	____	____
Corrective Action Completion Report (35 IAC Section 732.300(b), 732.400(b) or (c)	____	____
Professional Engineer Certification (35 IAC Section 732.300(b), 732.400(b) or (c)	____	____

I certify under penalty of law that this document was prepared by me or under my direction or supervision. This information is to the best of my belief and knowledge, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine for knowing violations.

Owner

Name: Howard Warsaw

Title: Owner

Signature: John D Warsaw POA

Date: 22 Aug 2005

Operator

Name: ____

Title: ____

Signature: ____

Date: ____

IL 532 2369
LPC 533 Rev. Dec-96

IEPA CORRECTIVE ACTION PLAN FORM

Illinois Environmental Protection Agency
Leaking Underground Storage Tank Program
Corrective Action Plan

A. Site Identification

IEMA Incident # (6 digit): 981987 IEPA Generator # (10 digit): 1790455007

Site Name: Warsaw, Howard (Warsaw ITCO)

Site Address (Not a P.O. Box): Route 122

City: Minier County: Tazewell

B. Site Information

1. Will the owner/operator seek reimbursement from the Underground Storage Tank Fund? Yes X No___

2. If yes, is the budget attached? Yes X No___

3. Is this an amended plan? Yes X No___

4. Identify the material released: gasoline

5. This Corrective Action Plan is being submitted pursuant to:

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   a. 35 Ill. Adm. Code Section 731.166:

      i. A release of petroleum from a UST was reported to IEMA prior to September 13, 1993 and the owner/operator has **NOT** elected to proceed under Title XVI of the Environmental Protection Act — No

      ii. The material released was not petroleum. — No

   b. 35 Ill. Adm. Code Section 732.404:

      i. A groundwater quality standard or objective for any applicable indicator contaminant has been exceeded at the property boundary line or 200 feet from the leaking UST. — Yes

      ii. The leaking UST system is within the setback zone or regulated recharge area of a potable water supply well. — No

      iii. There is evidence that migration of petroleum or petroleum vapors may threaten human health or human safety. — No

iv. Class III Special Resource Groundwater exists within 200 feet of the site. NO

v. A surface body of water has been adversely affected by the presence of a visible sheen or free product layer. NO

c. 35 Illinois Administrative Code Section 732.312 NO

C. Proposed Methods of Remediation

1. Soil Treatment system enhancement with horizontal recovery wells & enhanced bio-remediation study.

2. Groundwater Treatment system enhancement with horizontal recovery wells.

D. Soil and Groundwater Investigation Results

Provide the following:

1. Description of investigation activities performed to define the extent of soil and/or groundwater contamination;
2. Analytical results and cleanup objectives in tabular format;
3. Laboratory reports;
4. Boring logs;
5. Monitoring well logs;
6. Site maps to scale and oriented north showing:

   a. Soil sample locations;
   b. Monitoring well locations;
   c. The plume of soil and groundwater contamination based on analytical results.

E. Technical Information - Corrective Action Plan

Provide the following:

1. A discussion of how the corrective action plan shall remediate each of the criteria which caused the site to be classified as High Priority;
2. Engineering design specifications, diagrams, calculations, manufacturers's specifications, systems analyses, site maps, etc.;
3. A list of sampling parameters and corresponding cleanup objectives;
4. The basis for determining sampling parameters and cleanup objectives;
5. Media sampling plan to verify completion of remediation;
6. A discussion of the proposed system(s) effectiveness in remediating the contaminated soil and/or groundwater;
7. A description and results of bench/pilot studies;
8. Itemized cost estimates of alternative versus conventional technologies;
9. For alternative technologies the following must be provided:

   a. A demonstration that the proposed technology has a substantial likelihood of achieving compliance with all applicable regulations and all corrective action

remediation objectives necessary to comply with the Environmenatl Protection Act and the regulations and to protect human health and the environment;

b. A demonstration that the proposed technology will not adversely affect human health or the environment;
c. Copies of all Agency permits necessary to authorize the use of the alternative technology;
d. Results of the monitoring program implemented to determine whether the proposed technology will achieve compliance with the applicable regulations and remediation objectives.

F. Signatures

I certify under penalty of law that this plan, supporting documents and all attachments were prepared under my direction or supervision. To the best of my knowledge and belief, this plan, supporting documents and all attachments are true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Owner

Name: Howard Warsaw
Title: Owner
Address: P.O Box 557
Minier, IL 61759
Phone: (309) 392-2938
Signature: John D. Warsaw POA
Date: 22 August 2005

Operator

Name: _____
Title: _____
Address: _____
_____
Phone: _____
Signature: _____
Date: _____

Consultant

Firm: M.E.C.R.S., Inc.
Contact: Allan Green
Title: President
Address: 22200 Illinois Route 9, P.O. Box 614
Tremont, Illinois 61568
Phone: (309) 925-5551
Signature: Allen Green
Date: 8-17-05

SECTION D

BACKGROUND/CORRECTIVE ACTION IMPLEMENTATION REPORT

This portion of the report follows the IEPA Corrective Action Plan Form (IL 532 2287; LPC 513) dated December 1996.

Section D. Background/Corrective Action Implementation Report

The subject site is currently a gasoline service station located on Route 122 in Minier, Illinois. The area is developed for commercial, residential and agricultural use. An area map and a 200'radius map are provided in Figures 1 and 5, respectively.

Three underground storage tanks (USTs) were removed from the site on July 6, 1999. The three tanks (1-2,000 gallon, 2-500 gallon) were used for gasoline. Details of the UST removal/free product removal activities can be found in the Report of Early Action/ Amended 45--Day Report dated August 31, 1999 and the Free Product Removal Report dated August 26, 1999, previously submitted to IEPA.

Midwest Environmental Consulting and Remediation Services, Inc. (MECRS) performed a Physical Soil Classification, pursuant to IEPA Method Two, on May 4, 2000. One (1) Physical Soil Classification boring, doubling as a migration pathway boring (B-1), one (1) boring placed within 5 feet of boring B-1 for the collection of shelby tubes for physical soil testing (B-1a), and six (6) additional migratory pathway borings (MW-1 through MW-4, B-2, and B-3) were completed by Whitney & Associates of Peoria, Illinois under the supervision of MECRS. The Site Classification Completion Report dated July 10, 2000 was submitted to IEPA and details the findings from the investigation. In a letter dated October 20, 2000, the IEPA approved the report and the classification of "High Priority".

The High Priority Site Investigation activities took place on August 23, 2001. As proposed in the approved Investigation Corrective Action Plan, four borings were performed and three monitoring wells were installed to determine the extent of soil and groundwater contamination. Laboratory analysis of samples obtained from borings B-4, B-5, B-7, and MW-5 indicate that contamination has migrated offsite. Groundwater samples collected on August 23, 2001 from monitoring wells MW-1, MW-4, and MW-5 indicate that groundwater contamination exists offsite. Details of the High Priority Site Investigation can be found in the Corrective Action Plan dated January 28, 2002.

The High Priority Corrective Action Plan (CAP) dated January 28, 2002 proposed installing a groundwater pump and treat system to remediate the soil and groundwater contamination found on and offsite. The CAP proposed installing a groundwater collection trench on the north and east property boundaries, running the water through a piping system to a large sump, and pumping the collected groundwater to the groundwater aeration treatment system. Installation of the groundwater trench and aeration treatment system took place in October, 2003, during a period of seasonally lower groundwater elevations. The trench was installed during this time to avoid excessive amounts of water collecting in the trench, thus reducing the possibility of trench collapse.

Elevated readings from the photoionization detector indicate that the trench was placed in the contaminated zone. Laboratory analysis of samples obtained from the trench excavation support the photoionization detector readings.

Site visits have been conducted on a monthly basis for the purpose of monitoring the system progress, conduct routine operation and maintenance, and to take influent and effluent samples (if applicable). Since installation of the groundwater treatment system, no groundwater has passed through the treatment system. Based upon groundwater elevations taken from the monitoring wells near the trench, the trench should be generating water to be transferred to the groundwater treatment system. However, due to hydrostatic pressure in the water-bearing zone, groundwater does not reach the elevation necessary to collect in the trench.

The purpose of this High Priority CAP is to propose the remedial activities necessary to bring the contaminant concentrations below the calculated Tier 2 CUOs. The budget for the activities proposed in this CAP, and those costs previously incurred for the preparation of the CAP is attached for IEPA approval.

SECTION E

TECHNICAL INFORMATION – CORRECTIVE ACTION PLAN

Section E. Technical Information – Corrective Action Plan

Provide the following:

1. A discussion of how the corrective action plan shall remediate each of the criteria which caused the site to be classified as High Priority;

Modification of the groundwater collection trench is necessary for the system to operate and continue remediation of the contamination at the site. No recovery of contaminated groundwater has taken place due to the low levels of groundwater. Placing horizontal recovery wells across the site will provide access to the contaminated groundwater and allow the groundwater to be collected and transferred to the groundwater treatment system.

MECRS proposes to perform an enhanced bio-remediation study to evaluate the subsurface for the use of oxygen releasing compound. Samples have been obtained from the monitoring wells for analysis of Total Plate Count. The contaminant plume has been defined and no free product has been observed to be present. In-situ hydraulic conductivity needs to be performed in the contaminated saturated zone. Oxygen demand needs to be determined. Once the system is operational and tested for a period of time, enhanced bio-remediation may aid in speeding up the remediation process.

2. Engineering design specifications, diagrams, calculations, manufacturer's specifications, systems analyses, site maps, etc.;

A total of four horizontal recovery wells will be installed radially outward from a single location where the sump box will be located. The horizontal recovery wells will be installed using a horizontal directional boring machine. Rigid casing will be installed at a downward angle toward the recovery sump. Groundwater will gravity flow toward the sump and will be transferred to the groundwater treatment system. The proposed horizontal recovery well layout is presented in Figure 5.

3. A list of sampling parameters and corresponding cleanup objectives;

The material released at the site was gasoline. The indicator contaminants for gasoline are benzene, toluene, ethylbenzene and xylenes (BTEX). Cleanup objectives are based on a Tier 2 evaluation of the site and are presented in the TACO Calculations and Results in Appendix G. MECRS proposed to use the Class I CUO for groundwater.

The groundwater sampling parameters and corresponding CUOs are:

Analyte	Method	MDL	Units	CUO (Tier 2)
Benzene	EPA 8021/W	2	ug/L	91.4 ug/L
Toluene	EPA 8021/W	2	ug/L	526,000 ug/L
Ethylbenzene	EPA 8021/W	2	ug/L	169,000 ug/L
Xylenes	EPA 8021/W	5	ug/L	186,000 ug/L

Equations, variables, and calculations for these site specific CUOs can be found in Appendix G – TACO Calculations and Results.

4. The basis for determining sampling parameters and cleanup objectives;

The sampling parameters are the indicator contaminants for gasoline. Cleanup objectives were based on a Tier 2 TACO evaluation of the site and used site-specific parameters to calculate those objectives.

5. Media sampling plan to verify completion of remediation;

Once the enhanced groundwater collection trench is complete and contaminated groundwater is flowing through the treatment system, groundwater samples will be collected from wells MW-1 through MW-7 on a quarterly basis to monitor the groundwater treatment systems progress in remediating the contamination in groundwater. Once the groundwater CUOs have been met, soil samples will be collected from borings placed at the site. The soil sampling plan will be based on known concentrations collected from borings placed onsite during the previous investigations. The soil sampling plan will be submitted with a corresponding budget once the groundwater objectives have been met.

6. A discussion of the proposed system(s) effectiveness in remediating the contaminated soil and/or groundwater;

Influent results versus effluent results taken from systems at sites with similar hydrogeologic properties and similar geology indicates that the proposed system lowers the contamination in groundwater to below detection limits for BTEX. MECRS has brought similar projects to closure with the installation and use of the same groundwater treatment systems.

7. A description and results of bench/pilot studies;

Similar projects have been completed by MECRS in this region of Illinois with similar geology and hydrogeologic properties. Groundwater treatment systems of this type are known to be effective in treating the volatile organic compounds found in gasoline.

8. Itemized cost estimates of alternative versus conventional technologies;

This is not applicable. The proposed method of remediation is considered to be conventional technology.

9. For alternative technologies the following must be provided:

a. A demonstration that the proposed technology has a substantial likelihood of achieving compliance with all applicable regulations and all corrective action remediation objectives necessary to comply with the Environmental Protection Act and the regulations and to protect human health and the environment;

b. A demonstration that the proposed technology will not adversely affect human health or the environment;

c. Copies of all agency permits necessary to authorize the use of the alternative technology.

d. Results of the monitoring program implemented to determine whether the proposed technology will achieve compliance with the applicable regulations and remediation objectives.

This is not applicable. The proposed method of remediation is considered to be conventional technology.

TABLE 1

SOIL ANALYTICAL DATA

TABLE 1.
Soil Analytical Results
Warsaw-ITCO
Minier, IL

Sample ID:	Sample Date	Benzene	Toluene	Ethylbenzene	Xylenes (total)	Total BTEX
B-1, 8-10'	5/3/2000	<2.0	<2.0	<2.0	<5.0	<11.0
B-2, 4-6'	5/3/2000	**810**	1,300	1,700	6,500	10,310
B-2, 6-8'	5/3/2000	**600**	220	420	1,900	3,140
B-2, 8-10'	5/3/2000	**21,000**	**41,000**	**47,000**	**190,000**	**299,000**
B-3, 6-8'	5/3/2000	**400**	120	210	460	1,190
B-3, 8-10'	5/3/2000	**2,300**	2,100	**31,000**	110,000	145,400
MW-1, 6-8'	5/4/2000	<2.0	<2.0	<2.0	<5.0	<11.0
MW-2, 8-10'	5/3/2000	<2.0	<2.0	<2.0	<5.0	<11.0
MW-3, 8-10'	5/3/2000	<2.0	<2.0	6	<5.0	<14.7
MW-4, 4-6'	5/4/2000	**230**	220	870	2,500	3,820
MW-4, 6-8'	5/4/2000	**300**	1,200	5,400	20,000	26,900
B-4, 0.5-2.5'	8/23/2001	8.1 M	19.0 M	44.7 M	77.2 M	149 M
B-4, 4-6'	8/23/2001	**11,600 ME**	42,700 ME	9,720 ME	38,000 ME	102,020 ME
B-5, 6-8'	8/23/2001	**49**	186 E	38	130	403
B-6, 4-6'	8/23/2001	19.5	53.4	31.3	89.8	194.0
B-6, 8-10'	8/23/2001	7.1	12.3	<2.4	10.9	<32.3
B-7, 8-10'	8/23/2001	16.7 M	61.5 M	13.9 M	39.5 M	131.6 M
B-7, 12-14'	8/23/2001	**754.0**	<61.3	<61.3	<153	<1,029.6
MW-5, 8-10'	8/23/2001	**494 M**	4,750 M	5,890 M	7,570 M	18,704 M
MW-6, 6-8'	8/23/2001	6.5	12.4	6.3	11.3	36.5
MW-7, 4-6'	8/23/2001	11.7	25.1	10.8	20.0	67.6
MW-7, 8-10	8/23/2001	15.5 M	20.2 M	6.8	11.8	54.3
T-1	10/20/2003	<2.6	3.2	<2.6	<6.5	<14.9
T-2	10/20/2003	<2.6	<2.6	<2.6	<6.5	<14.3
T-3	10/20/2003	<2.4	5.1	5.1	14.2	<26.8
T-4	10/20/2003	<2.4	<2.4	<2.4	<5.9	<13.1
T-5	10/20/2003	3.4	40.8	360.0	947.0	1,351.2
T-6	10/20/2003	**85.3**	635.0	1,840.0	7,140.0	9,700.3
T-7	10/20/2003	**85.5**	43.8	1,120.0	2,460.0	3,709.3
T-8	10/20/2003	<2.5	6.6	18.9	56.8	<84.8
T-9	10/20/2003	<2.4	<2.4	<2.4	<6.1	<13.3
T-10	10/20/2003	<2.5	<2.5	<2.5	<6.2	<13.7

Notes:

1. All results in parts per billion (ppb).
2. IEPA Tier 1 Residential Cleanup Objectives

Benzene	Toluene	Ethylbenzene	Xylenes (total)
30	12,000	13,000	150,000

3. All bolded values are above Tier 1 Residential Cleanup Objectives
4. M = Matrix interferences identified
5. E = Estimated

TABLE 2

GROUNDWATER ANALYTICAL DATA

Table 2: Groundwater Analytical Data
Warsaw - ITCO
Minier, Illinois

Sample #	Date	DTW	GWE	Benzene	Toluene	E-benzene	Xylenes	Total BTEX
MW-1	Elevation Top of Casing =		99.62					
SC	5/12/2000	5.89	93.73	4.3	<1.0	<1.0	<3.0	<9.3
1	10/24/2000	7.76	91.86	2.4	<1.0	<1.0	<3.0	<7.4
2	8/23/2001	6.76	92.86	**524 E**	<2.0	<2.0	<5.0	<533 E
3	11/13/2001	6.26	93.36	<2.0	<2.0	<2.0	<5.0	<11.0
4	2/14/2002	5.41	94.21	<1.0	<1.0	<1.0	<3.0	<6.0
5	1/24/2005	4.65	94.97	NS	NS	NS	NS	NS
MW-2	Elevation Top of Casing =		99.28					
SC	5/9/2000	5.51	93.77	<1.0	<1.0	<1.0	<3.0	<6.0
1	10/24/2000	7.52	91.76	<1.0	<1.0	<1.0	<3.0	<6.0
2	8/23/2001	4.35	94.93	2.6 M	<2.0 M	<2.0	7.1	<13.7
3	11/13/2001	6.01	93.27	<2.0	<2.0	<2.0	<5.0	<11.0
4	2/14/2002	5.12	94.16	<1.0	<1.0	<1.0	<3.0	<6.0
5	1/24/2005	4.38	94.90	NS	NS	NS	NS	NS
MW-3	Elevation Top of Casing =		100					
SC	5/9/2000	6.09	93.91	<1.0	<1.0	<1.0	<3.0	<6.0
1	10/24/2000	8.04	91.96	<1.0	<1.0	<1.0	<3.0	<6.0
2	8/23/2001	6.22	93.78	<2.0	<2.0	<2.0	<5.0	<11.0
3	11/13/2001	6.20	93.80	<2.0	<2.0	<2.0	<5.0	<11.0
4	2/14/2002	5.37	94.63	<1.0	<1.0	<1.0	<3.0	<6.0
5	1/24/2005	4.34	95.66	NS	NS	NS	NS	NS
MW-4	Elevation Top of Casing =		99.84					
SC	5/9/2000	5.90	93.94	**2,600**	**12,000**	**4,500**	**18,000**	37,100
1	10/24/2000	7.80	92.04	**2,300**	**5,200**	**4,000**	**13,000**	24,500
2	8/23/2001	6.67	93.17	**2,290 M**	**2,380 M**	**8,150**	**23,600 E**	36,420 E
3	11/13/2001	6.11	93.73	**1,910**	**3,960**	**3,360**	10,000	19,230
4	2/14/2002	5.00	94.84	**1,100**	**1,200**	**2,900**	5,500	10,700
5	1/24/2005	4.47	95.37	NS	NS	NS	NS	NS
MW-5	Elevation Top of Casing =		99.57					
SC	5/9/2000	--	--	--	--	--	--	--
1	10/24/2000	--	--	--	--	--	--	--
2	8/23/2001	4.82	94.75	**78.3 M**	2.4 M	23.9	26.3	130.9
3	11/13/2001	5.67	93.90	<2.0	<2.0	<2.0	<5.0	<11.0
4	2/14/2002	4.71	94.86	1.4	2.2	1.5	4.5	9.6
5	1/24/2005	3.89	95.68	NS	NS	NS	NS	NS
MW-6	Elevation Top of Casing =		99.37					
SC	5/9/2000	--	--	--	--	--	--	--
1	10/24/2000	--	--	--	--	--	--	--
2	8/23/2001	6.55	92.82	**4.1**	<2.0	<2.0	10.4	<18.5
3	11/13/2001	5.59	93.78	<2.0	<2.0	<2.0	<5.0	<11.0
4	2/14/2002	4.71	94.66	<1.0	<1.0	<1.0	<3.0	<6.0
5	1/24/2005	WELL ICED OVER		NS	NS	NS	NS	NS
MW-7	Elevation Top of Casing =		100.07	WELL DESTROYED AT TIME OF 1/25/05 DTW MEASUREMENT				
SC	5/9/2000	--	--	--	--	--	--	--
1	10/24/2000	--	--	--	--	--	--	--
2	8/23/2001	7.28	92.79	<2.0	<2.0	<2.0	5.9	<11.9
3	11/13/2001	6.23	93.84	**117 E**	<2.0	<2.0	<5.0	<126 E
4	2/14/2002	5.52	94.55	**7**	<1.0	<1.0	<3.0	<12.0
5	1/24/2005	--	--	NS	NS	NS	NS	NS

1. All results reported in ug/kg (i.e. parts per billion, ppb)
2. IEPA Tier 1 Cleanup Objectives (ug/kg):

Benzene	Toluene	Ethylbenzene	Xylenes
5	1,000	700	10,000

3. -- = No data available
4. MDL = Method Detection Limit
5. DTW = Depth to Water
6. GWE = Groundwater Elevation referenced to datum point
7. NA/NS = Not analyzed/not sampled this event
8. E = Estimated - value outside linear range
9. M = Matrix interferences identified.

Date	Average DTW
5/9/2000	5.85
10/24/2000	7.78
8/23/2001	6.09
11/13/2001	6.01
2/14/2002	5.12
1/24/2005	4.35
Cumulative DTW Average:	5.87

FIGURE 1

AREA MAP

FIGURE 1 - AREA MAP

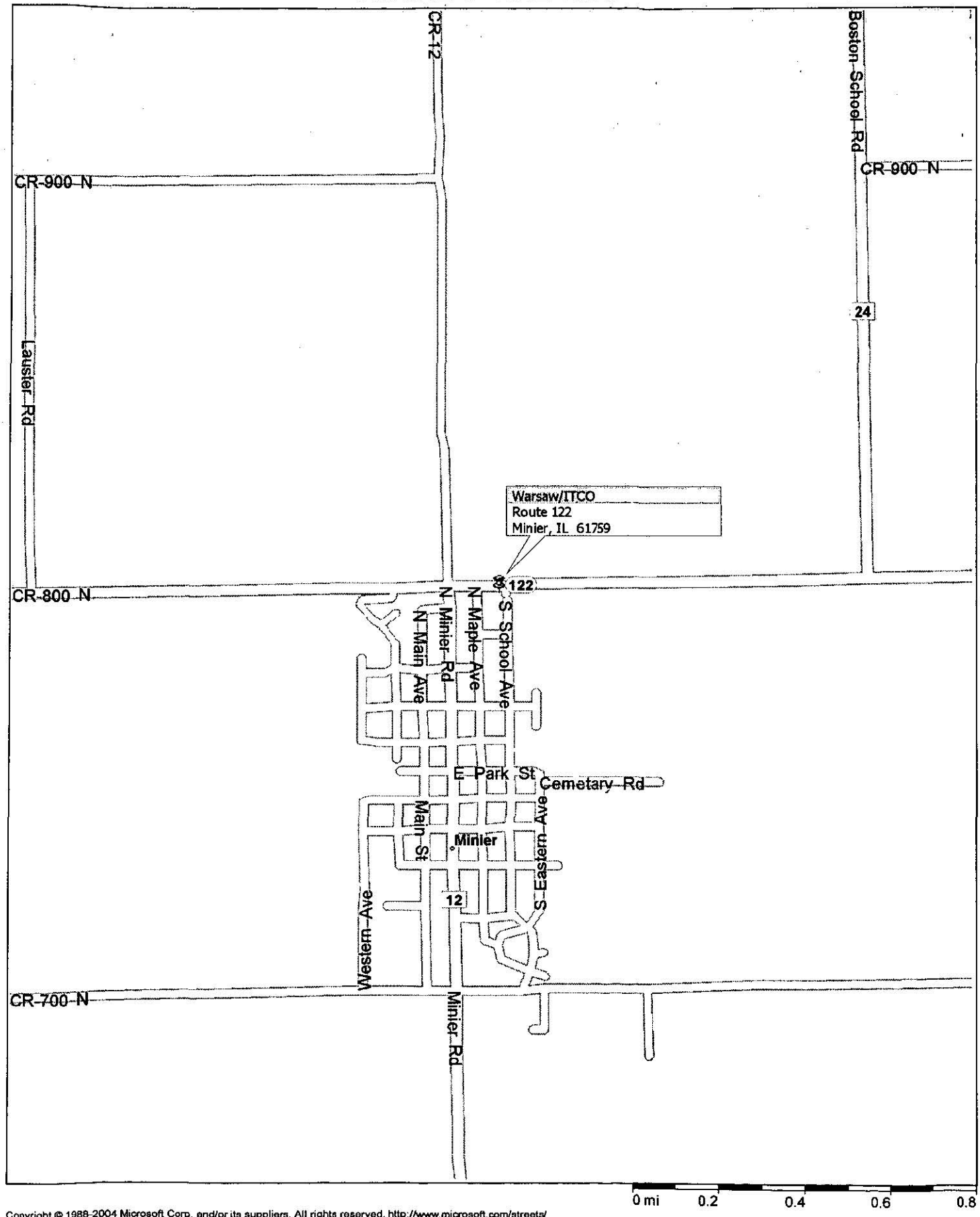


FIGURE 2

MONITORING WELL AND SOIL BORING LOCATION MAP

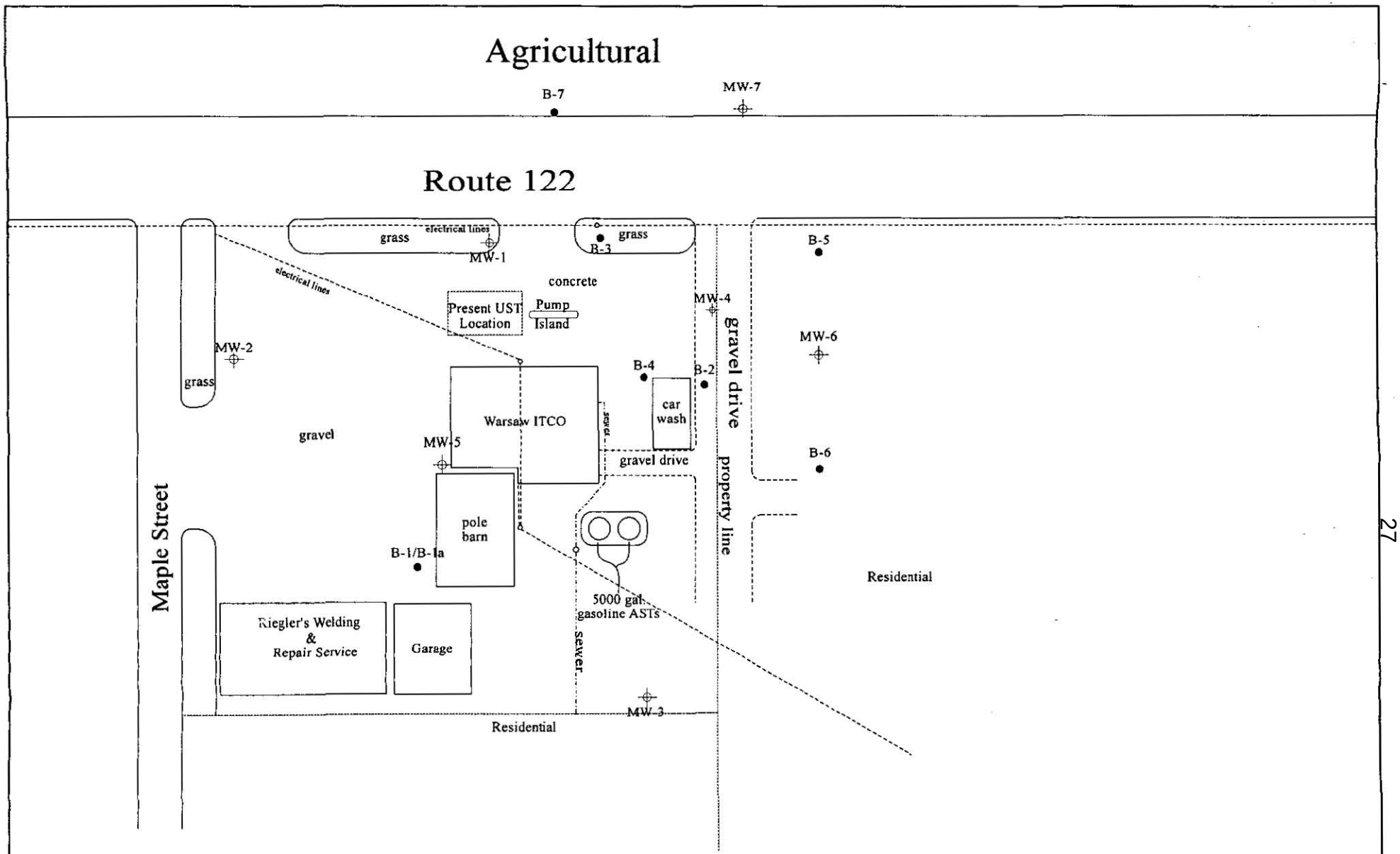


FIGURE 3

PIEZOMETRIC SURFACE MAP 1/24/05

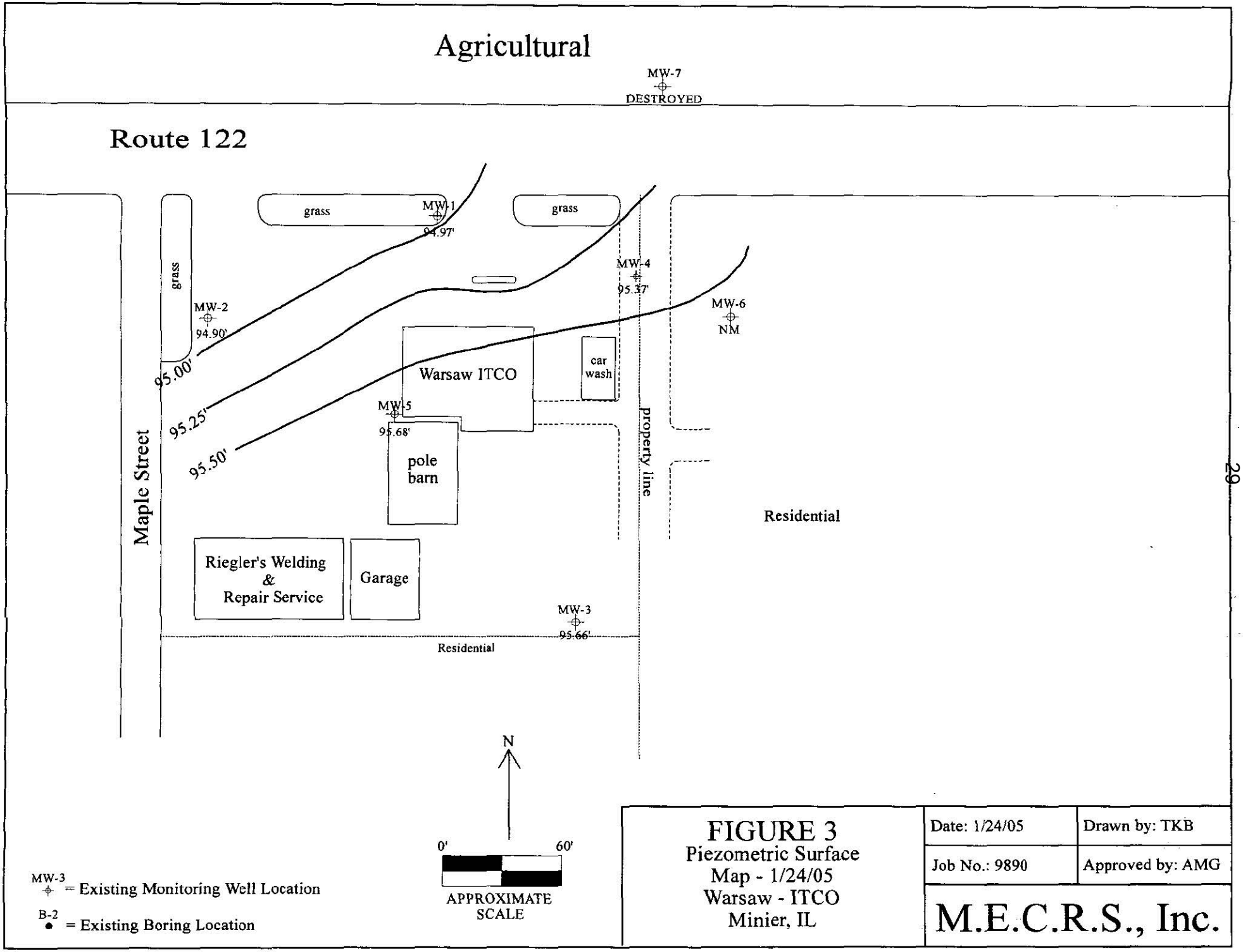
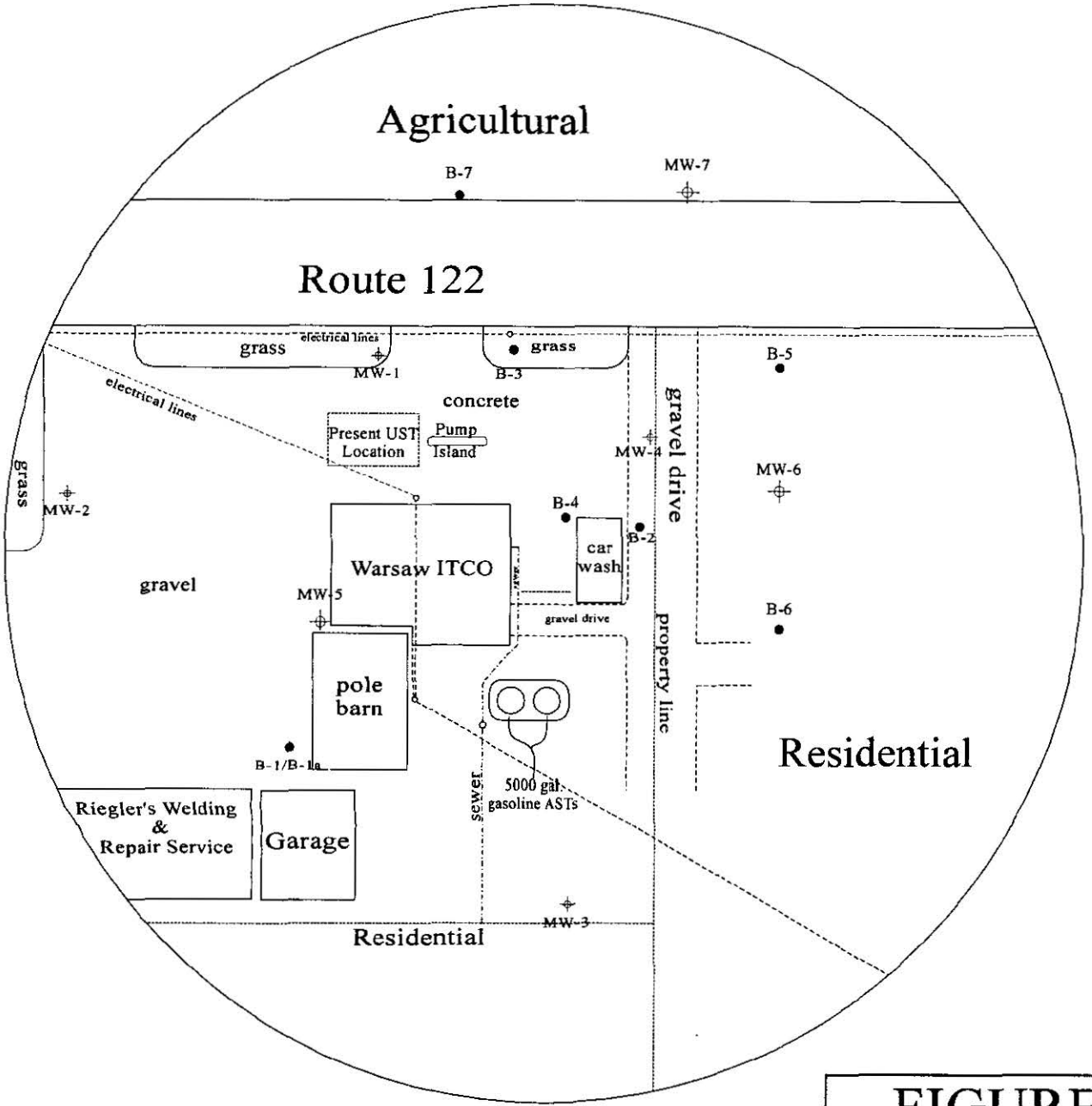


FIGURE 4

200 FEET RADIUS MAP



0' 60'

APPROXIMATE SCALE

N

FIGURE 4

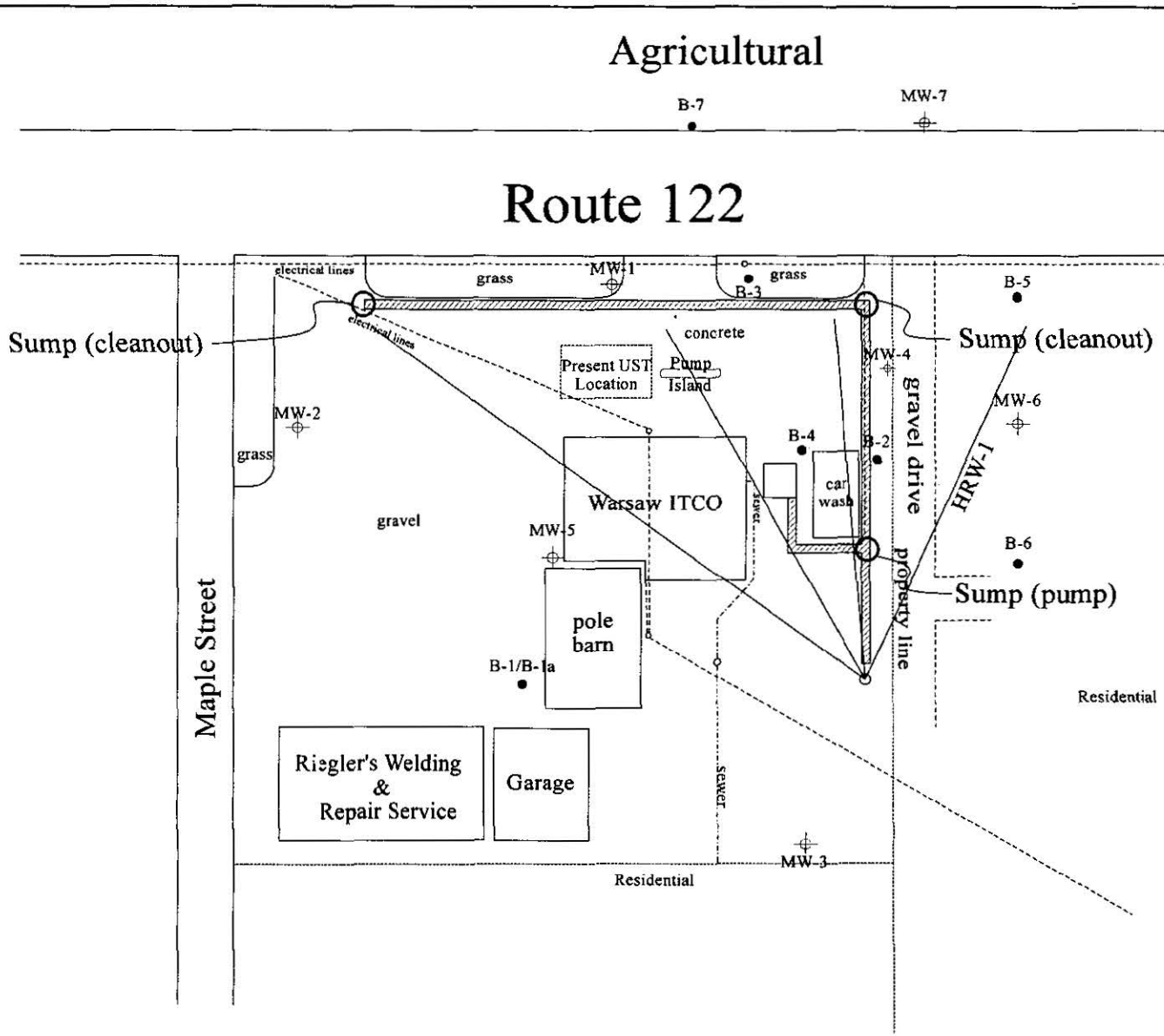
200' Radius Map
Warsaw ITCO
Minier, IL

DATE: 7/12/05	DRAWN BY: TKB
JOB NO.: 9890	APPROVED BY: AMG

M.E.C.R.S., Inc.

FIGURE 5

PROPOSED HORIZONTAL RECOVERY WELL LAYOUT



MW-3 = Existing Monitoring Well Location

B-2 = Existing Boring Location

N

0' 60'

APPROXIMATE SCALE

FIGURE 5

Proposed Horizontal Recovery Well Layout
Warsaw ITCO
Minier, Illinois

Date: 7/12/05	Drawn by: TKB
Job No.: 9890	Approved by: AMG

M.E.C.R.S., Inc.

APPENDIX A

BORING LOGS AND MONITORING WELL DIAGRAMS

PLEASE SEE APPENDIX A OF CORRECTIVE ACTION PLAN AND BUDGET DATED JANUARY 28, 2002 FOR COMPLETE SET OF BORING LOGS AND MONITORING WELL DIAGRAMS.

APPENDIX B

LABORATORY DATA SHEETS

February 28, 2002

Midwest Environmental Consulting
Attn: Todd Birky
22200 Illinois Route 9
P.O. Box 614
Tremont, IL 61568-0614

RE: Project 9890
Warsaw - ITCO
PO: 9890

Dear Mr. Todd Birky:

Enclosed is a copy of your laboratory report and invoice for submittal **35917-1.** This submittal was completely received on February 19, 2002. All analyses have been validated and comply with our Quality Control program statistics unless otherwise noted.

If you have any questions or require further information, please do not hesitate to contact me.

Sincerely,

Lisa M. Harvey
Project Chemist

Enclosure

ANALYTICAL REPORT

Midwest Environmental Consulting
Proj: Project 9890
Warsaw - ITCO
Subm: February 14, 2002 Waters

Submittal Number: 35917- 1
Location:
Contact: Lisa M. Harvey
Phone: (616) 975-4500

	MW-1	MW-2	MW-3	Quantitation Limit	Units
Lab Sample No:	299033	299034	299035		
BTEX Parameters - 8021W					
USEPA Method 8021 -Water					
Benzene	<1.0	<1.0	<1.0	1.0	ug/L
Toluene	<1.0	<1.0	<1.0	1.0	ug/L
Ethylbenzene	<1.0	<1.0	<1.0	1.0	ug/L
Xylene (Total)	<3.0	<3.0	<3.0	3.0	ug/L
Sampled by:	Fetterolf	Fetterolf	Fetterolf		
Date Sampled:	02/14/02	02/14/02	02/14/02		
Time Sampled:	12:00	11:00	10:30		
Date Received:	02/16/02	02/16/02	02/16/02		
Time Received:	09:20	09:20	09:20		

Page 1

ANALYTICAL REPORT

Midwest Environmental Consulting
Proj: Project 9890
Warsaw - ITCO
Subm: February 14, 2002 Waters

Submittal Number: 35917- 1
Location:
Contact: Lisa M. Harvey
Phone: (616) 975-4500

	MW-4	MW-5	MW-6	Quantitation Limit	Units
Lab Sample No:	299036	299037	299038		
BTEX Parameters - 8021W					
USEPA Method 8021 -Water					
Benzene	1100	1.4	<1.0	Varies	ug/L
Toluene	1200	2.2	<1.0	Varies	ug/L
Ethylbenzene	2900	1.5	<1.0	Varies	ug/L
Xylene (Total)	5500	4.5	<3.0	Varies	ug/L
Sampled by:	Fetterolf	Fetterolf	Fetterolf		
Date Sampled:	02/14/02	02/14/02	02/14/02		
Time Sampled:	14:30	13:30	11:30		
Date Received:	02/16/02	02/16/02	02/16/02		
Time Received:	09:20	09:20	09:20		

5560 Corporate Exchange Court SE • Grand Rapids, MI 49512 • (616) 975-4500 • Fax (616) 942-7463

ANALYTICAL REPORT

Midwest Environmental Consulting
Proj: Project 9890
Warsaw - ITCO
Subm: February 14, 2002 Waters

Submittal Number: 35917- 1
Location:
Contact: Lisa M. Harvey
Phone: (616) 975-4500

	MW-7	Quantitation Limit	Units
Lab Sample No:	299039		
BTEX Parameters - 8021W			
USEPA Method 8021 -Water			
Benzene	7.0	1.0	ug/L
Toluene	<1.0	1.0	ug/L
Ethylbenzene	<1.0	1.0	ug/L
Xylene (Total)	<3.0	3.0	ug/L
Sampled by:	Fetterolf		
Date Sampled:	02/14/02		
Time Sampled:	14:00		
Date Received:	02/16/02		
Time Received:	09:20		

Page 3 - **End of Analytical Report**

35917- 1

METHODS PAGE

Parameter: BTEX Parameters - 8021W USEPA Method 8021 -Water
Method: Halogenated and Aromatic Volatiles by GC
Application: WATER Reference Citation: USEPA-8021B
Analyst: Timothy M. Eldridge (TME) Date Analyzed: 02/20/02

Sample Number	Sample Description	Analytical Batch	QC Batch
299033	MW-1	182516	72583-120
299034	MW-2	182516	72583-120
299035	MW-3	182516	72583-120
299036	MW-4	182516	72583-120
299037	MW-5	182516	72583-120
299038	MW-6	182516	72583-120
299039	MW-7	182516	72583-120

Page 1 - **End of Methods Page**

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35917- 1

CASE NARRATIVE

Analysis: **Benzene**
Halogenated and Aromatic Volatiles by GC
WATER USEPA-8021B

Narrative:

This sample required multiple analyses at differing dilution(s) due to an elevated analyte concentration(s) or matrix interferences. Affected analyte(s) and their corresponding analysis dates are provided below:

Explanation for Sample(s) listed below:

Instrument #142 on 2/21/02.

Sample(s) Narrated: 299037 MW-5

Page 1 - **End of Case Narrative**

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35917- 1

STATEMENT OF DATA QUALIFICATIONS

All analyses have been validated and comply with our Quality Control Program. No qualifications required.

Page 1 - **End of Statement of Data Qualifications**

Note: This document is included as a part of the analytical report for the above referenced project and submittal, and should be retained as a permanent record thereof.

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Illinois Environmental Protection Agency
Leaking Underground Storage Tank Program
Laboratory Certification for Chemical Analysis

A. Site Identification

IEMA Incident # (6 digit): 981987 IEPA Generator # (10 digit): 1790455007

Site Name: Warsaw - ITCO

Site Address (Not a P.O. Box): Route 122

City: Minier County: Tazewell

B. Sample Collector

I certify that:

1. Appropriate sampling equipment/methods were utilized to obtain representative samples. AF (initial)
2. Chain of custody procedures were followed in the field. AF (initial)
3. Sample integrity was maintained by proper preservation. AF (initial)
4. All samples were properly labeled. AF (initial)

C. Laboratory Representative

I certify that:

1. Proper chain of custody procedures were followed as documented on the chain of custody forms. (initial)
2. Sample integrity was maintained by proper preservation. 2 bc (initial)
3. All samples were properly labeled. (initial)
4. Quality assurance/quality control procedures were established and carried out. (initial)

5. Sample holding times were not exceeded. (initial)

6. SW-846 Analytical Laboratory Procedure (USEPA) methods were used for the analyses. (initial)

D. Signatures

I hereby affirm that all information contained in this form is true and accurate to the best of my knowledge and belief. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Sample Collector	**Laboratory Representative**
Name: Andrew Fetterolf	Name: Lisa Harvey
Title: Environmental Technician	Title: Project Chemist
Company: MECRS	Company: Trimatrix Laboratory
Address: 22200 IL Rt. 9 P.O. Box 614	Address: 5560 Corporate Exchange Ct.
Tremont, IL 61568	Grand Rapids MI, 49512
Phone: 309-925-5551	Phone: (616) 975 4500
Signature: Andrew Fetterolf	Signature: Lisa Harvey
Date: 2/14/02	Date: 2.28.02

TriMatrix Laboratories, Inc.

5560 Corporate Exchange Court SE • Grand Rapids, MI 49512

COC No. 83504

Chain of Custody Record

Project Manager	Project Name	For Lab Use Only
T. Birky	Warsaw - ITCO	Rack/Tray No: L80W
Project No. 9890	Sampler (Print) A. Fetterolf	Lab Project # 35917-1
	Sampler Signature Andrew Fetterolf	

Date Sampled	Time Sampled	Matrix*	Composite	Grab	Sample Identification	No. of Containers	Container Type	Analysis Required/Comments	Sample No.	Filtered Date/Time
2/14	12:00	WTR		X	MW - 1		1	BTEX.	299033	01
2/14	11:00	WTR		X	MW - 2			BTEX	299034	
2/14	10:30	WTR		X	MW - 3			BTEX	299035	
2/14	2:30	WTR		X	MW - 4			BTEX	299036	
2/14	1:30	WTR		X	MW - 5			BTEX	299037	
2/14	11:30	WTR		X	MW - 6			BTEX	299038	
2/14	2:00	WTR		X	MW - 7			BTEX	299039	

No's Correspond to Bottle Packing List

Relinquished By:	Date/Time	Received By:	Received to Lab By:	Date/Time	Logged in By:	Date/Time
Andrew Fetterolf	2/14/02		Heather L. Bady	2/16/02 9:20 AM		2/19/02 5:17

* Matrix: Water (WTR), Wastewater (WW), Soil (SOIL), Sludge (SLG), Air, Oil, Waste (WASTE)

TMI Analytical Services, LLC

NELAP Accredited #100447

2110 N. Republic Street
Springfield, IL 62702
217-698-0642
fax 217-698-0656
tmi@tmilab.com

11/ 5/2003

Midwest Environmental Services

Birky, Todd

P.O. Box 614

Tremont, IL 61568-0614

RE: Warsaw- ITCO, 9890, Minier,IL

TMI Delivery Group ID: 2003:0000829

TMI received 10 sample(s)on 10/24/200 for the analyses presented in the following report.

There were no problems with the analyses unless noted below or qualifed on the analytical results.
The final report includes this cover letter, analytical report and a copy of the chain of custody. It may also include but not be limited to letters of explanation or raw data.

Should you have any questions about the results, please call. Thank-you,

Kimberly S Birky

Title QA/QC Officer

REPORT ABBREVIATIONS

A= the laboratory control sample failed to meet the required acceptance criteria
B= analyte identified in the blank
C=The relative standard deviation (RSD) failed to meet the acceptance criteria for individual analytes in the initial calibration. The mean %RSD for all analytes included in the calibration is within the acceptance criteria.
D=The %RSD failed to meet the acceptance criteria for individual analytes in the continuing calibration verification.
E=Estimated value outside the linear range of the calibration curve.
F=Analyte failed to meet the required acceptance criteria for duplicate analysis
H=Surrogate recovery failed to meet the required acceptance criteria in initial analysis. Sample was re-extracted (if applicable) beyond the maximum allowable hold time and re-analyzed. The surrogate recovery was within the required acceptance criteria on the second analysis
M=matrix interference(s) identified.
P=Chemical preservation discrepency noted at time of analysis
RL= reporting limit
S=Scan only
SUB=subcontracted
T=Analyte failed to meet the required acceptance criteria for spike recovery in the matrix spike/matrix spike duplicate
TNTC= too numerous to count
V=verification standard recovery failed to meet the required acceptance criteria
*= increased reporting limit due to required dilution
+= increased reporting limit due to insufficient inital sample volume

TMI Analytical Services, LLC

2110 N. Republic Street
Springfield, Illinois 62702
217-698-0642

Laboratory Results

Delivery Group ID: 2003:0000829
Customer Midwest Environmental Services
Contact Name: Birky, Todd
P.O. Box 614
Tremont, IL 61568-0614

Date Received: 10/24/03
Date Sampled: 10/20/03

Project Name: Warsaw- ITCO, 9890, Minier,IL

10 Sample(s) are included in this Delivery

Sample ID: 2003:0000829-1 **Client's Sample ID:** T-1
Program: ENVIRO **Matrix:** Soil

Test Name	Method	RL	Units	Result	Analyst
Solids, %	SM 2540 G	0.50	%	77.5	LB
BTEX, 8021B dry weight	Method: 8021B		Units: ug/kg		

Analyte	RL	Result	Analyst
Benzene	2.6	<RL	DM
Ethylbenzene	2.6	<RL	DM
Toluene	2.6	3.2	DM
Total BTEX		<14.9	DM
Total Xylenes	6.5	<RL	DM

Sample ID: 2003:0000829-2 **Client's Sample ID:** T-2
Program: ENVIRO **Matrix:** Soil

Test Name	Method	RL	Units	Result	Analyst
Solids, %	SM 2540 G	0.50	%	76.5	LB
BTEX, 8021B dry weight	Method: 8021B		Units: ug/kg		

Analyte	RL	Result	Analyst
Benzene	2.6	<RL	DM
Ethylbenzene	2.6	<RL	DM
Toluene	2.6	<RL	DM
Total BTEX		<RL	DM
Total Xylenes	6.5	<RL	DM

Sample ID: 2003:0000829-3 **Client's Sample ID:** T-3
Program: ENVIRO **Matrix:** Soil

Test Name	Method	RL	Units	Result	Analyst
Solids, %	SM 2540 G	0.50	%	84.2	LB
BTEX, 8021B dry weight	Method: 8021B		Units: ug/kg		

Analyte	RL	Result	Analyst
Benzene	2.4	<RL M	DM
Ethylbenzene	2.4	5.1	DM
Toluene	2.4	5.1 M	DM
Total BTEX		<26.8	DM
Total Xylenes	5.9	14.2	DM

Sample ID: 2003:0000829-4 **Client's Sample ID:** T-4
Program: ENVIRO **Matrix:** Soil

TMI Analytical Services, LLC

2110 N. Republic Street
Springfield, Illinois 62702
217-698-0642

Laboratory Results

Delivery Group ID: 2003:0000829

Customer Midwest Environmental Services
Contact Name: Birky, Todd
P.O. Box 614
Tremont, IL 61568-0614

Date Received: 10/24/03
Date Sampled: 10/20/03

Project Name: Warsaw- ITCO, 9890, Minier,IL

10 Sample(s) are included in this Delivery

Test Name	Method	RL	Units	Result	Analyst
Solids, %	SM 2540 G	0.50	%	84.5	LB
BTEX, 8021B dry weight	Method: 8021B		Units: ug/kg		
Benzene		2.4	<RL		DM
Ethylbenzene		2.4	<RL		DM
Toluene		2.4	<RL		DM
Total BTEX			<RL		DM
Total Xylenes		5.9	<RL		DM

Sample ID: 2003:0000829-5 **Client's Sample ID:** T-5
Program: ENVIRO **Matrix:** Soil

Test Name	Method	RL	Units	Result	Analyst
Solids, %	SM 2540 G	0.50	%	81.9	LB
BTEX, 8021B dry weight	Method: 8021B		Units: ug/kg		
Benzene		2.5	3.4 M		DM
Ethylbenzene		6.1	360 M		DM
Toluene		6.1	40.8 M		DM
Total BTEX			1351.2 M		DM
Total Xylenes		30.6	947 M		DM

Sample ID: 2003:0000829-6 **Client's Sample ID:** T-6
Program: ENVIRO **Matrix:** Soil

Test Name	Method	RL	Units	Result	Analyst
Solids, %	SM 2540 G	0.50	%	83.5	LB
BTEX, 8021B dry weight	Method: 8021B		Units: ug/kg		
Benzene		6.0	85.3 M		DM
Ethylbenzene		6.0	1840 EM		DM
Toluene		6.0	635 EM		DM
Total BTEX			9700.3 EM		DM
Total Xylenes		29.9	7140 EM		DM

Sample ID: 2003:0000829-7 **Client's Sample ID:** T-7
Program: ENVIRO **Matrix:** Soil

Test Name	Method	RL	Units	Result	Analyst
Solids, %	SM 2540 G	0.50	%	82.2	LB

TMI Analytical Services, LLC

2110 N. Republic Street
Springfield, Illinois 62702
217-698-0642

Laboratory Results

Delivery Group ID: 2003:0000829

Customer Midwest Environmental Services

Contact Name: Birky, Todd
P.O. Box 614
Tremont, IL 61568-0614

Date Received: 10/24/03
Date Sampled: 10/20/03

Project Name: Warsaw- ITCO, 9890, Minier,IL

10 Sample(s) are included in this Delivery

BTEX, 8021B dry weight Method: 8021B Units: ug/kg

Analyte	RL	Result	Analyst
Benzene	6.1	85.5 M	DM
Ethylbenzene	6.1	1120 EM	DM
Toluene	6.1	43.8 M	DM
Total BTEX		3709.3 EM	DM
Total Xylenes	30.4	2460 EM	DM

Sample ID: 2003:0000829-8 **Client's Sample ID:** T-8

Program: ENVIRO **Matrix:** Soil

Test Name	Method	RL	Units	Result	Analyst
Solids, %	SM 2540 G	0.50	%	81.4	LB

BTEX, 8021B dry weight Method: 8021B Units: ug/kg

Analyte	RL	Result	Analyst
Benzene	2.5	<RL	DM
Ethylbenzene	2.5	18.9 M	DM
Toluene	2.5	6.6	DM
Total BTEX		<84.8	DM
Total Xylenes	6.1	56.8 M	DM

Sample ID: 2003:0000829-9 **Client's Sample ID:** T-9

Program: ENVIRO **Matrix:** Soil

Test Name	Method	RL	Units	Result	Analyst
Solids, %	SM 2540 G	0.50	%	82.1	LB

BTEX, 8021B dry weight Method: 8021B Units: ug/kg

Analyte	RL	Result	Analyst
Benzene	2.4	<RL	DM
Ethylbenzene	2.4	<RL	DM
Toluene	2.4	<RL	DM
Total BTEX		<RL	DM
Total Xylenes	6.1	<RL	DM

Sample ID: 2003:0000829-10 **Client's Sample ID:** T-10

Program: ENVIRO **Matrix:** Soil

Test Name	Method	RL	Units	Result	Analyst
Solids, %	SM 2540 G	0.50	%	81.2	LB

BTEX, 8021B dry weight Method: 8021B Units: ug/kg

Analyte	RL	Result	Analyst

TMI Analytical Services, LLC

2110 N. Republic Street
Springfield, Illinois 62702
217-698-0642

Laboratory Results

Delivery Group ID: 2003:0000829

Customer Midwest Environmental Services
Contact Name: Birky, Todd
P.O. Box 614
Tremont, IL 61568-0614

Date Received: 10/24/03
Date Sampled: 10/22/03

Project Name: Warsaw- ITCO, 9890, Minier,IL

10 Sample(s) are included in this Delivery

Benzene	2.5	<RL	DM
Ethylbenzene	2.5	<RL	DM
Toluene	2.5	<RL	DM
Total BTEX		<RL	DM
Total Xylenes	6.2	<RL	DM

Illinois Environmental Protection Agency
Leaking Underground Storage Tank Program
Laboratory Certification for Chemical Analysis

A. Site Identification

IEMA Incident # (6 digit): 981987 IEPA Generator # (10 digit): 1790455007

Site Name: WAGNER, HOWARD

Site Address (Not a P.O. Box): RT. 122

City: MINIER County: TAZEWELL

B. Sample Collector

I certify that:

1. Appropriate sampling equipment/methods were utilized to obtain representative samples. (initial)
2. Chain of custody procedures were followed in the field. (initial)
3. Sample integrity was maintained by proper preservation. (initial)
4. All samples were properly labeled. (initial)

C. Laboratory Representative

I certify that:

1. Proper chain of custody procedures were followed as documented on the chain of custody forms. (initial)
2. Sample integrity was maintained by proper preservation. (initial)
3. All samples were properly labeled. (initial)
4. Quality assurance/quality control procedures were established and carried out. (initial)

5. Sample holding times were not exceeded. (initial) IW

6. SW-846 Analytical Laboratory Procedure (USEPA) methods were used for the analyses. (initial) IW

D. Signatures

I hereby affirm that all information contained in this form is true and accurate to the best of my knowledge and belief. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Sample Collector	**Laboratory Representative**
Name: T. Birky	Name: Kathleen McClain
Title: Sr. Env. Hydrogeologist	Title: Lab Manager
Company: MECRS	Company: TMI Analytical
Address: 22200 IL RT 9, P.O. Box 614 Tremont, IL 61568	Address: 2110 N. Republic Springfield, IL 62702
Phone: 309.925.5551	Phone: 217-698-0642
Signature: Todd Birky	Signature: K. McClain
Date: 10/24/03	Date: 11/5-03

CH[redacted] O[redacted]UST[redacted]Y

11/3

TMI Analytical Services, LLC

3430 Constitution Drive, Suite 116
Springfield, Illinois 62707
(217) 698-0642
(217) 698-0656 Fax

PROJECT #: 9890
PROJECT LOCATION: WARSAW - , TCC
RT. 172
Minier

REPORT TO: T Birky
INVOICE TO: MERC
PHONE: (309) 925-5551
FAX: 309 925-5602

DUE DATE: Standard Turn Around Time: 7-10 Working Days

SAMPLE NO	DATE	TIME	LAB NO	DESCRIPTION: SOLID	AQUEOUS	PERSERVATIVE 1=HCl 2= H_2SO_4 3=NaOH 4= HNO_3	METALS: EXT. TOTAL ___ DISSOLVED ___ TCLP ___	RCRA: As Ba Cd Cr Pb Hg Se Ag Cu Zn Ni	OTHER	MICROBIOLOGY: S = SWAB AM = AIR MICROVAC	BACTERIAL PLATE CNTS: TOTAL SELECTIVE	FUNGI: QUALITATIVE QUANTITATIVE	TOTAL COLIFORMS / E.COLI	ORGANICS: BTEX (8021B circled) 8260B, 5035, MTBE (Circle) — BTEX	EPA 608,8081/8082 PESTICIDES / PCBs (CIRCLE)	EPA 624 / 8260B VOLATILE ORGANICS	EPA 625 / 8270C SEMI - VOLATILE ORGANICS (BNAs)	EPA 625 / 8270C PNAs	EPA 8151 CHLORINATED HERBICIDES	TCLP: (CIRCLE) ORGANICS, VOLATILE, SEMI - VOLATILE, PEST&HERB	TPH OA1 OA2 (CIRCLE)	OTHER	GENERAL CHEMISTRY: PAINT FILTER	pH	FLASHPOINT/IGNITIABLITITY	OIL AND GREASE	CYANIDE: TOTAL REACTIVE (CIRCLE)	SULFIDE: TOTAL REACTIVE (CIRCLE)	PHENOLS	SOLIDS - TYPES: % SOLIDS	NITROGEN - TYPES	PHOSPHOROUS, CHLORIDES (CIRCLE)	BOD (5DAY) CBOD (5DAY) COD (Circle)	OTHER	OTHER	TOTAL NUMBER OF SAMPLE CONTAINERS	REMARKS
T-1	10/20		829-1	X										X																						1	
T-2	10/20		2	X										X																						1	
T-3	10/21		3	X										X																						1	
T-4	10/21		4	X										X																						1	
T-5	10/21		5	X										X																						1	
T-6	10/22		6	X										X																						1	
T-7	10/22		7	X										X																						1	
T-8	10/22		8	X										X																						1	
T-9	10/22		9	X										X																						1	
T-10	10/22		10	X										X																						1	

ADDITIONAL INFORMATION OR INSTRUCTIONS

SAMPLED BY:	[signature]	DATE	10/24/03	TIME	10:10A	RECEIVED BY:	F. Carpenter	DATE 10-24	TIME 10:10 A
RELINQUISHED BY:		DATE		TIME		RECEIVED BY:		DATE	TIME
RELINQUISHED BY:		DATE		TIME		RECEIVED IN LABORATORY BY:	Marilyn S. [signature]	DATE 10-24-03	TIME 11:50

Sample acceptance policy for TMI Analytical Services

The following outlines the circumstances under which samples shall be accepted or rejected. Data from any samples that do not meet the following criteria will be flagged on the laboratory results report. This sample acceptance policy is made available to sample collection personnel on the back of the chain of custody form.

The **Chain of Custody (COC) form must include** the following:-

- Location of sample collection
- Date and TIME of sample collection (each sample must have date and time)
- Sample collector's name
- Preservation type(s)
- Sample type-matrix
- Any special remarks/instructions about the sample

Projects cannot be properly logged in until resolution of discrepancies on the COC are resolved, thus delaying sample analysis time. Turnaround time is calculated from the day following receipt of samples in the laboratory, after resolution of any discrepancies.

Samples must be labeled to include a unique identification, and must be labeled with indelible ink. Labels used must be water resistant. (TMI will provide labels with sample bottles.)

Appropriate sample bottles will be supplied by the laboratory. Clients may refer to TMI's Sample Bottle Guide for correct bottles and preservatives.

In order to meet specific sample **holding time** requirements, samples should be submitted as soon as possible after collection. Holding times may be referenced in TMI's Sample Bottle Guide. Samples with hold times of 48 hours to 14 days received with less than 75% of their holding time may incur rush charges.

Express shipment of refrigerated sample packages is required to **prevent compromising the storage temperature**. Samples should be packaged to prevent breakage and properly preserved. Packages to be shipped are to be received during normal business hours on normal working days. Special arrangements can be made as needed. Samples that are hand delivered to the lab are considered acceptable only if there is evidence that the chilling process has begun such as arrival on ice and sampling had occurred with the past 12 hours. All other samples must have a temperature of 4 +/- 2°C to comply with temperature requirements. Compliance with sample temperature is noted at time of sample delivery.

It is the **responsibility of the sampler to ensure correct preservation** of samples. TMI will provide sample bottles with preservative added, but this does not ensure proper preservation with all samples. Correct preservation of samples is checked at time of analysis. Analysis will proceed with samples in non-compliance, and results will be qualified, indicating a chemical preservation discrepancy was noted at time of analysis.

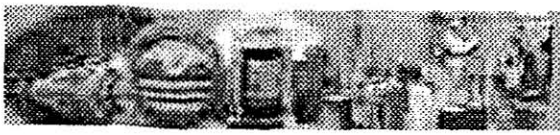
Adequate sample volume is required to perform the requested test. It is the responsibility of the sample collector to provide enough sample to the lab. Required sample volumes may be referenced in TMI's Sample Bottle Guide. TMI is happy to provide sample bottle kits for specific projects. At least a one-day notice for kits aids in our service to you and our other clients.

When samples show sign of damage or contamination, the technical director will evaluate degree of damage or contamination to determine whether sample has been compromised for analysis. Samples may be rejected due to damage, contamination, or improper sample containers. The client will be notified by phone as soon as a rejection determination has been made, and arrangements for disposal of sample made then. Should multiple sample bottles have been submitted and the lab is able to perform testing from another container, analysis will proceed with a notation made on the COC as to what sample jar was damaged and disposed of.

Results issued for analysis 8021B are based upon single column retention time confirmation. Clients who desire a secondary form of confirmation should request analysis by 8260B.

APPENDIX C

LIST OF REPORTS PREVIOUSLY SUBMITTED TO THE IEPA



Rod R. Blagojevich, Governo

L.I.T. Search

IEMA # 981987 **LPC #** 1790455007

Site: Warsaw, Howard

Date	Description
8/20/1998	Notice of Release Letter sent
10/9/1998	Early Action Extension Request received
11/4/1998	Review Letter sent
3/24/1999	Early Action Extension Request received
4/22/1999	Early Action Extension Approval Letter sent
5/12/1999	Early Action Extension Request received
5/27/1999	Early Action Extension Approval Letter sent
9/10/1999	45 Day Report Addendum received
9/10/1999	Free Product Report received
10/4/1999	Review Letter sent

Site (Main) | Tank Operator | Title XVI | TACO | Claims | Search

Agency Site Map | Privacy Information | Kids Privacy | Web Accessibility | Agency Webmaster

Rod R. Blagojevich, Governo

L.I.T. Search

IEMA # 981987 **LPC #** 1790455007

Site: Warsaw, Howard

Event Description	Date	Resp. Due	Decision	Mailed
Site Classification Work Plan Budget	10/20/1999	2/17/2000	AOL	11/3/1999
Site Classification Work Plan	10/20/1999	2/17/2000	AOL	11/3/1999
Site Classification Completion Report	7/14/2000	11/11/2000	APR	10/20/2000
High Priority Corrective Action Plan Budget	12/8/2000	4/7/2001	APR	3/30/2001
High Priority Corrective Action Plan	12/8/2000	4/7/2001	APR	3/30/2001
High Priority Corrective Action Plan Budget	2/8/2002	6/8/2002	DEN	5/24/2002
High Priority Corrective Action Plan	2/8/2002	6/8/2002	APR	5/24/2002
High Priority Corrective Action Plan Budget	11/12/2002	3/12/2003	MOD	1/30/2003
High Priority Corrective Action Plan Budget	2/26/2003	6/26/2003	MOD	3/12/2003
High Priority Corrective Action Plan Budget	11/20/2003	3/19/2004	MOD	3/18/2004

Site (Main) | Tank Operator | General | TACO | Claims | Search

Agency Site Map | Privacy Information | Kids Privacy | Web Accessibility | Agency Webmaster

APPENDIX D

HIGH PRIORITY CAP BUDGET

BUDGET AND BILLING FORM FOR LEAKING UNDERGROUND STORAGE TANK SITES

A. SITE INFORMATION

Site Name: Warsaw, Howard

Site Address: Route 122 City: Minier

Zip: 61759

County: Tazewell IEPA Generator No.: 1790455007

IEMA Incident No: 981987 IEMA Notification Date: May 19, 1999

Date this Form was Prepared: August 17, 2005

This form is being submitted as a:

RECEIVED
AUG 25 2005
IEPA/BOL

____ Budget Proposal

__X__ Budget Amendment (Budget Amendments must include only the costs over the previous budget)

Amendment Number: 2

____ Billing Package for costs incurred pursuant to 35 Illinois Administrative Code (IAC), Part 732 ("new program)

Name(s) of report(s) documenting the costs requested: _____

_____ Date(s): _____

This form is being submitted for the Site Activities indicated below (check one):

____ Early Action ____ Site Classification

____ Low Priority Corrective Action __X__ High Priority Corrective Action

____ Other (indicate activities):

DO NOT SUBMIT "NEW PROGRAM" COSTS AND "OLD PROGRAM" COSTS AT THE SAME TIME, ON THE SAME FORMS.

IL 532-2263
LPC 494 Rev. 2/99

This form must be submitted in duplicate.
The Agency is authorized to require this information under 415 ILCS 5/1. Disclosure of this information is required. Failure to do so may result in the delay or denial of any budget or payment requested hereunder. This form has been approved by the Forms Management Center.

IEMA NO. 981987

If eligible for reimbursement, where should reimbursement checks be sent? Please note that only owners or operators or USTs may be eligible for reimbursement. Therefore, payment can only be made to an owner or operator.

Pay to the order of: Howard Warsaw

Send in care of: Howard Warsaw

Address: Route 122

City: Minier State: IL Zip: 61759

Number of Petroleum USTs in Illinois presently owned or operated by the owner or operator; any subsidiary, parent or joint stock company of the owner or operator; and any company owned by any parent, subsidiary or joint stock company of the owner or operator:

Fewer than 101: X 101 or more: ____

Number of USTs at the site: 7 (Number of USTs included USTs presently at the site and USTs that have been removed.)

Number of incidents reported to IEMA: 2

Incident Numbers assigned to the site due to releases from USTs: 981987, 991610

Please list all tanks which have ever been located at the site and are presently located at the site:

Product Stored	Size (gallons)	Did UST have a release?		Incident No.	Type of Release
gasoline	500	**Yes**	No	981987, 991610	UST & Piping leak, spills/overfills
gasoline	500	**Yes**	No	981987, 991610	UST & Piping leak, spills/overfills
gasoline	2,000	**Yes**	No	981987, 991610	UST & Piping leak, spills/overfills
diesel	2,500	Yes	**No**	N/A	N/A
gasoline	2,500	Yes	**No**	N/A	N/A
gasoline	2,500	Yes	**No**	N/A	N/A
gasoline	2,500	Yes	**No**	N/A	N/A
		Yes	No		
		Yes	No		

This form must be submitted in duplicate.

IEMA No. 981987

B. PROPOSED BUDGET SUMMARY AND BUDGET TOTAL

1. Investigation Costs:	$0.00
2. Analysis Costs:	$0.00
3. Personnel Costs:	$27,085.00
4. Equipment Costs:	$136.80
5. Field Purchases and Other Costs:	$39,750.00
6. Handling Charges:	$3,580.00
TOTAL PROPOSED BUDGET =	**$70,551.80**

This form must be submitted in duplicate.

IEMA NO. 981987

G. PERSONNEL

All personnel costs that are not included elsewhere in the budget/billing form must be listed here. Costs must be listed per task, not personnel type. The following are some examples of tasks: Drafting, data collection, plan, report or budget preparation for _____(i.e., site classification work plan, 45 day report, or high priority corrective action budget), sampling, field oversight for _____ (i.e. drilling/well installation, corrective action, or early action), of maintenance of _____ . The above list is not inclusive of all possible tasks.

Reg. Professional Engineer (PE)	:	8	hours x	$125.00	per hour =	$1,000.00
Task to be performed for the above hours:		Report/reimbursement review & certification				
Principal	:	6	hours x	$120.00	per hour =	$720.00
Task to be performed for the above hours:		High Priority Corrective Action; Report prep., review				
Sr. Environmental Manager	:	51	hours x	$98.00	per hour =	$4,998.00
Task to be performed for the above hours:		planning, boring/RW design				
Sr. Environmental Hydrogeologist	:	76	hours x	$98.00	per hour =	$7,448.00
Task to be performed for the above hours:		Corrective Action implementation; RW Installation				
Sr. Project Manager	:	36	hours x	$95.00	per hour =	$3,420.00
Task to be performed for the above hours:		Planning, CAP & Budget amendment				
Sr. Environmental Hydrogeologist	:	62	hours x	$98.00	per hour =	$6,076.00
Task to be performed for the above hours:		CAP Preparation; design, research				
Reimbursement Manager	:	7	hours x	$55.00	per hour =	$385.00
Task to be performed for the above hours:		Reimbursement				
Admin/Clerical	:	14	hours x	$42.00	per hour =	$588.00
Task to be performed for the above hours:		Report/Reimbursement review, copy, bind and mail				
Sr. Environmental Hydrogeologist	:	25	hours x	$98.00	per hour =	$2,450.00
Task to be performed for the above hours:		Water Permitting; IEPA Water Correspondence				
	:		hours x		per hour =	$0.00
Task to be performed for the above hours:						
	:		hours x		per hour =	$0.00
Task to be performed for the above hours:						

This form must be submitted in duplicate.

IEMA NO. 981987

_______________ : _______ hours x _______ per hour = $0.00

Task to be performed for the above hours: _______________

_______________ : _______ hours x _______ per hour = $0.00

Task to be performed for the above hours: _______________

_______________ : _______ hours x _______ per hour = $0.00

Task to be performed for the above hours: _______________

_______________ : _______ hours x _______ per hour = $0.00

Task to be performed for the above hours: _______________

_______________ : _______ hours x _______ per hour = $0.00

Task to be performed for the above hours: _______________

_______________ : _______ hours x _______ per hour = $0.00

Task to be performed for the above hours: _______________

_______________ : _______ hours x _______ per hour = $0.00

Task to be performed for the above hours: _______________

_______________ : _______ hours x _______ per hour = $0.00

Task to be performed for the above hours: _______________

_______________ : _______ hours x _______ per hour = $0.00

Task to be performed for the above hours: _______________

_______________ : _______ hours x _______ per hour = $0.00

Task to be performed for the above hours: _______________

_______________ : _______ hours x _______ per hour = $0.00

Task to be performed for the above hours: _______________

_______________ : _______ hours x _______ per hour = $0.00

Task to be performed for the above hours: _______________

_______________ : _______ hours x _______ per hour = $0.00

Task to be performed for the above hours: _______________

_______________ : _______ hours x _______ per hour = $0.00

Task to be performed for the above hours: _______________

TOTAL PERSONNEL COSTS: $27,085.00

This form must be submitted in duplicate.

IEMA No. 981987

H. EQUIPMENT COSTS

All equipment used must be listed below in a time and materials format. **Handling charges should not be added here; use Section J.**

Equipment	Own or Rent?	Time Used	Unit Rate	Total Cost/Item
Company Vehicle & mob @ site(per mile)	Own	360	$0.38	$136.80
				$0.00
				$0.00
				$0.00
				$0.00
				$0.00
				$0.00
				$0.00
				$0.00
				$0.00
				$0.00
				$0.00
				$0.00
				$0.00
				$0.00
				$0.00
				$0.00
				$0.00
				$0.00
				$0.00
				$0.00
				$0.00
				$0.00
				$0.00
				$0.00

Total: $136.80

This form must be submitted in duplicate.

IEMA No. 981987

I. FIELD PURCHASES AND OTHER COSTS

All field purchases must be listed below in a time and materials format. **Handling Charges must not be added here; use Section J, Handling Charges to calculate the handling charges.**

Field Purchases	Quantity	Price/Item	Total Cost	Do Handling Charges Apply?

Subtotal page I-1 **$0.00**

This form must be submitted in duplicate.

IEMA No 981987

Other Costs - A listing and description of all other costs which will be/were incurred and are not specifically listed on this form should be attached. The listing should include a cost breakdown in a time and materials format.

Shooting four directional bores approximately 100 to 120 feet, pull back 2 inch perforated HDPE pipe and set one four foot diameter by ten feet deep structure, tie all pipes into the structure and rough restoration:	
Labor and Equipment:	**$28,000.00**
Material	**$5,750.00**
Water Permit	**$6,000.00**

Total Other Costs =	**$39,750.00**
Subtotal I-1 =	**$0.00**
Total pages I-1 and I-2:	**$39,750.00**

This form must be submitted in duplicate.

IEMA No. 981987

J. HANDLING CHARGES

Handling charges are eligible for payment on subcontractor billings and/or field purchases only if they are equal to or less than the amounts determined on the following table:

Subcontractor or Field **Purchase Cost**	Eligible Charges as a **Percentage Of Cost**
$1 - $5000	12%
$5,001 - $15,000	$600 + 10% of amt. Over $5,000
$15,001 - $50,000	$1,600 + 8% of amt. Over $15,000
$50,001 - $100,000	$4,400 + 5% of amt. Over $50,000
$100,001 - $1,000,000	$6,900 + 2% of amt. Over $100,000

A. Subcontractor Charges

Subcontractor	Section in these Forms where Cost is Listed	Subcontractor Amount
Hoerr Construction, Inc.	I	$33,750.00
IEPA - Water	I	$6,000.00

Subtotal J-1 : $39,750.00

J-1

This form must be submitted in duplicate.

IEMA No. 981987

B. Field Purchases

Subcontractor	Section in these Forms where Cost is Listed	Subcontractor Amount

Subtotal Page J-2: $0.00

Subtotal of Pages J-1 and J-2: $39,750.00

Handling Charge*: **$3,580.00**

This form must be submitted in duplicate.

IEMA No. 981987

M. JUSTIFICATION FOR BUDGET AMENDMENTS

If this form is being submitted for an amendment, you must submit a narrative justifying the need for the amendment. If the amendment includes a revision in a corrective action proposal, a new proposal must be submitted.

Please see narrative attached in cover letter.

This page must be submitted in duplicate.

IEMA NO. 981987

L. HIGH PRIORITY CORRECTIVE ACTION

Corrective Action at High Priority Sites may involve both and soil and groundwater remediation. Below provide a summary of costs for the remediation type(s) chosen and attach the appropriate sections of the budget/billing forms to support the summary of costs.

A. Preparation of the Corrective Action Plan

1. Investigation Costs:	$0.00
2. Analysis Costs:	$0.00
3. Personnel Costs:	$12,232.00
4. Equipment Costs:	$0.00
5. Field Purchases and Other Costs:	$0.00
6. Handling Charges:	$0.00

B. Groundwater Remediation

1. Analysis Costs	$0.00
2. Personnel Costs:	$8,330.00
3. Equipment Costs:	$0.00
4. Field Purchases and Other Costs:	$39,750.00
5. Handling Charges:	$3,580.00

Of the above costs, please provide a break down of costs associated with operation and maintenance (O&M), if applicable, as requested below:

_____ Months of O&M x _____ per month = $0.00

C. Excavation and Disposal

1. Analysis Costs:	$0.00
2. Personnel Costs:	$0.00
3. Equipment Costs:	$0.00
4. Field Purchases and Other Costs:	$0.00
5. Handling Charges:	$0.00

Of the above costs, please provide a break down of the costs associated with excavation, transportation, and disposal as requested below:

Excavation:	0 yards x	$0.00 per yard =	$0.00
Transportation:	0 yards x	$0.00 per yard =	$0.00
Disposal:	0 yards x	$0.00 per yard =	$0.00

This form must be submitted in duplicate.

D. Alternative Technology, Type: N/A

1. Investigation costs: $0.00
2. Analysis Costs: $0.00
3. Personnel Costs: $0.00
4. Equipment Costs: $0.00
5. Field Purchases and Other Costs: $0.00
6. Handling Charges: $0.00

Of the above costs, please provide a break down of the following costs as requested below if applicable:

Excavation:	0 yards x	$0.00 per yard =	$0.00
Transportation:	0 yards x	$0.00 per yard =	$0.00
Treatment:	0 yards x	$0.00 per yard =	$0.00

Operation and Maintenance (O&M):

0 Months of O&M x	$0.00 per month =	$0.00

E. Backfill Costs

1. Personnel Costs:
2. Equipment Costs:
3. Field Purchases and Other Costs:
4. Handling Charges:

Of the above costs, please provide a break down of the following costs as requested below if applicable:

Type of backfill:

yards x	per yard =	$0.00

Type of backfill:

yards x	per yard =	$0.00

This form must be submitted in duplicate.

Office of the Illinois
State Fire Marshal

General Office
217-785-0969
FAX
217-782-1062
Divisions
ON INVESTIGATION
217-782-9116
R and PRESSURE
ESSEL SAFETY
217-782-2696
E PREVENTION
217-785-4714
GEMENT SERVICES
217-782-9889
INFIRS
217-785-5826
MAN RESOURCES
217-785-1026
ONNEL STANDARDS
nd EDUCATION
217-782-4542
PETROLEUM and
HEMICAL SAFETY
217-785-5878
BLIC INFORMATION
217-785-1021
WEB SITE
www.state.il.us/osfm

CERTIFIED MAIL - RECEIPT REQUESTED #Z 082 409 569

September 30, 1999

Howard Warsaw
Route 122
Minier, IL 61759

In Re: Facility No. 3-005023
IEMA Incident No. 98-1987
Warsaw ITCO
Route 122
Minier, Tazewell Co., IL

Dear Applicant:

The Reimbursement Eligibility and Deductible Application received on September 23, 1999 for the above referenced occurrence has been reviewed. The following determinations have been made based upon this review.

It has been determined that you are eligible to seek payment of costs in excess of $10,000. The costs must be in response to the occurrence referenced above and associated with the following tanks:

Eligible Tanks

Tank 1 500 gallon Gasoline
Tank 2 500 gallon Gasoline
Tank 3 2,000 gallon Gasoline

You must contact the Illinois Environmental Protection Agency to receive a packet of Agency billing forms for submitting your request for payment.

An owner or operator is eligible to access the Underground Storage Tank Fund if the eligibility requirements are satisfied:

1. Neither the owner nor the operator is the United States Government,

2. The tank does not contain fuel that is exempt from the Motor Fuel Tax Law,

3. The costs were incurred as a result of a confirmed release of any of the following substances:

   "Fuel", as defined in Section 1.19 of the Motor Fuel Tax Law

   Aviation fuel

   Heating oil

Kerosene

Used oil, which has been refined from crude oil used in a motor vehicle, as defined in Section 1.3 of the Motor Fuel Tax Law.

4. The owner or operator registered the tank and paid all fees in accordance with the statutory and regulatory requirements of the Gasoline Storage Act.

5. The owner or operator notified the Illinois Emergency Management Agency of a confirmed release, the costs were incurred after the notification and the costs were a result of a release of a substance listed in this Section. Costs of corrective action or indemnification incurred before providing that notification shall not be eligible for payment.

6. The costs have not already been paid to the owner or operator under a private insurance policy, other written agreement, or court order.

7. The costs were associated with "corrective action".

This constitutes the final decision as it relates to your eligibility and deductibility. We reserve the right to change the deductible determination should additional information that would change the determination become available. An underground storage tank owner or operator may appeal the decision to the Illinois Pollution Control Board (Board), pursuant to Section 57.9 (c) (2). An owner or operator who seeks to appeal the decision, shall file a petition for a hearing before the Board within 35 days of the date of mailing of the final decision, (35 Illinois Administrative Code 105.102(a) (2)).

For information regarding the filing of an appeal, please contact:

Dorothy Gunn, Clerk
Illinois Pollution Control Board
State of Illinois Center
100 West Randolph, Suite 11-500
Chicago, Illinois 60601
(312) 814-3620

The following tanks are also listed for this site:

Tank 4 2,500 gallon Diesel
Tank 5 2,500 gallon Gasoline
Tank 6 2,500 gallon Gasoline
Tank 7 2,500 gallon Gasoline

Your application indicates that there has not been a release from these tanks under this incident number. You may be eligible to seek payment of corrective action costs associated with these tanks if it is determined that there has been a release from one or more of these tanks. Once it is determined that there has been a release from one or more of these tanks you may submit a separate application for an eligibility determination to seek corrective action costs associated with this/these tanks.

If you have any questions regarding the eligibility or deductibility determinations, please contact our Office at (217) 785-1020 or (217) 785-5878.

Sincerely,

Melvin H. Smith

Melvin H. Smith
Division Director
Division of Petroleum and Chemical Safety

MHS/dl

cc: IEPA
Facility File

Owner/Operator and Professional Engineer Budget Certification Form for Leaking Underground Storage Tanks Sites

In accordance with 415 ILCS 5/57, if an owner or operator intends to seek payment from the UST Fund, an owner or operator must submit to the Agency, for the Agency's approval or modification, a budget which includes an accounting of all costs associated with the implementation of the investigative, monitoring and/or corrective action plans.

I hereby certify that I intend to seek payment from the UST Fund for performing High Priority Corrective Action activities at Warsaw, Howard LUST site. I further certify that the costs set forth in this budget are necessary activities and are reasonable and accurate to the best of my knowledge and belief. I also certify that the costs included in this budget are not for corrective action in excess of the minimum requirements of 415 ILCS 5/57 and no costs are included in this budget which are not described in the corrective action plan. I further certify that costs ineligible for payment from the Fund pursuant to 35 Illinois Administrative Code Section 732.606 are not included in the budget proposal or amendment. Such ineligible costs include but are not limited to:

Costs associated with ineligible tanks.
Costs associated with site restoration (e.g., pump islands, canopies).
Costs associated with utility replacement (e.g., sewers, electrical, telephone, etc.).
Costs incurred prior to IEMA notification.
Costs associated with planned tank pulls.
Legal defense costs.
Costs incurred prior to July 28, 1989.
Costs associated with installation of new USTs or the repair of existing USTs.

RECEIVED
AUG 25 2005
IEPA/BOL

Owner/Operator: Howard Warsaw Title: Owner

Signature: John D Warsaw POA Date: 22 August 2005

Subscribed and sworn to before me the 22nd day of August, 2005.
(Budget Proposals and Budget Amendments must be notarized when the certification is signed.)

(Notary Public) Seal:

OFFICIAL SEAL
GAYE LYNN GREEN
NOTARY PUBLIC - STATE OF ILLINOIS
MY COMMISSION EXPIRES:04/02/09

P.E.: Dale Bennington Seal:

DALE L. BENNINGTON
062-035579
REGISTERED
PROFESSIONAL
ENGINEER
OF
ILLINOIS

P.E. Signature: Dale Bennington Date: 8/10/2005

Subscribed and sworn to before me the 10th day of August, 2005.
(Budget Proposals and Budget Amendments must be notarized when the certification is signed.)

(Notary Public) Seal:

OFFICIAL SEAL
GAYE LYNN GREEN
NOTARY PUBLIC - STATE OF ILLINOIS
MY COMMISSION EXPIRES:04/02/09

The Agency is authorized to require this information under 415 ILCS 5/1. Disclosure of this information is required. Failure to do so may result in the delay or denial of any budget or payment requested hereunder.
This form has been approved by the Forms Management Center.

IL 532 2264
LPC 495 Rev. Feb-99

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY

1021 NORTH GRAND AVENUE EAST, P.O. BOX 19276, SPRINGFIELD, ILLINOIS 62794-9276 – (217) 782-3397
JAMES R. THOMPSON CENTER, 100 WEST RANDOLPH, SUITE 11-300, CHICAGO, IL 60601 – (312) 814-6026

ROD R. BLAGOJEVICH, GOVERNOR DOUGLAS P. SCOTT, DIRECTOR

217/782-6762

CERTIFIED MAIL

7004 2510 0001 8655 1922

DEC 14 2005

Howard Warsaw
Attention: John Warsaw
Post Office Box 557
Minier Illinois 61759

Re: LPC #1790455007 -- Tazewell County
Minier/Warsaw Howard
Warsaw Itco/Rt. 122
LUST Incident No. 981987
LUST Technical File

RELEASABLE

DEC 28 2005

REVIEWER MD

Dear Mr. Warsaw:

The Illinois Environmental Protection Agency (Illinois EPA) has reviewed the High Priority Corrective Action Plan (plan) submitted for the above-referenced incident. This information, dated August 17, 2005, was received by the Illinois EPA on August 25, 2005. Citations in this letter are from the Environmental Protection Act (Act) and 35 Illinois Administrative Code (35 Ill. Adm. Code).

Pursuant to Section 57.7(c)(4)(D) of the Act and 35 Ill. Adm. Code 732.405(c), the plan is rejected for the following reason(s):

1. It is difficult to ascertain if the recovery well system proposed in the Plan is appropriate for remediation of groundwater at this time. Soil exceedences still exist and are the source of contamination in groundwater. You must eliminate the source of contamination before remediation of groundwater can be implemented.

2. The Plan fails to provide which oxygen releasing agents would be considered.

3. Appendix G has been omitted from the Plan.

4. Soil sampling locations T-1 through T-10 were not provided on the site base map.

5. The Agency is requesting a list of sites which have had success with your proposed groundwater treatment system.

6. It appears the last sampling event occurred February 14, 2002. The Agency is requesting a re-sampling of MW-4 the only exceedence of Tier 1 groundwater remediation objectives for BTEX.

Pursuant to Sections 57.7(a)(1) and 57.7(c)(4)(D) of the Act and 35 Ill. Adm. Code 732.405(e) and 732.503(b), the associated budget is rejected for the reasons listed in Attachment A.

Pursuant to 35 Ill. Adm. Code 732.401, the Illinois EPA requires submittal of a revised plan, and budget if applicable, within 90 days of the date of this letter to:

Illinois Environmental Protection Agency
Bureau of Land - #24
Leaking Underground Storage Tank Section
1021 North Grand Avenue East
Post Office Box 19276
Springfield, IL 62794-9276

Please submit all correspondence in duplicate and include the Re: block shown at the beginning of this letter.

An underground storage tank system owner or operator may appeal this decision to the Illinois Pollution Control Board. Appeal rights are attached.

If you have any questions or need further information, please contact Jim Ransdell at 217/557-6938.

Sincerely,

Thomas A. Henninger
Unit Manager
Leaking Underground Storage Tank Section
Division of Remediation Management
Bureau of Land

TAH:JSR

Attachment: Attachment A
c: Midwest Environmental Consulting & Remediation Services Inc.
Division File

Attachment A

Re: LPC # 1790455007 -- Tazewell County
Minier/Warsaw, Howard
Warsaw Itco/Rt. 122
LUST Incident No. 981987
LUST Technical File

Citations in this attachment are from the Environmental Protection Act (Act) and 35 Illinois Administrative Code (35 Ill. Adm. Code).

Pursuant to Sections 57.7(a) and 57.7(c)(4) of the Act and 35 Ill. Adm. Code 732.405 and 732.503(b), the associated budget is rejected for the following reason:

A full financial review shall consist of a detailed review of the costs associated with each element necessary to accomplish the goals of the plan as required pursuant to the Act and regulations. Items to be reviewed shall include, but not be limited to, costs associated with any materials, activities, or services that are included in the budget plan. The overall goal of the financial review shall be to assure that costs associated with materials, activities, and services shall be reasonable, shall be consistent with the associated technical plan, shall be incurred in the performance of corrective action activities, and shall not be used for corrective action activities in excess of those necessary to meet the minimum requirements of the Act and regulations (Section 57.7(c)(4)(C) of the Act and 35 Ill. Adm. Code 732.505(c)).

Without an approvable plan, the proposed budget cannot be fully reviewed.

TAH:JSR

Appeal Rights

An underground storage tank owner or operator may appeal this final decision to the Illinois Pollution Control Board pursuant to Sections 40 and 57.7(c)(4)(D) of the Act by filing a petition for a hearing within 35 days after the date of issuance of the final decision. However, the 35-day period may be extended for a period of time not to exceed 90 days by written notice from the owner or operator and the Illinois EPA within the initial 35-day appeal period. If the owner or operator wishes to receive a 90-day extension, a written request that includes a statement of the date the final decision was received, along with a copy of this decision, must be sent to the Illinois EPA as soon as possible.

For information regarding the filing of an appeal, please contact:

Dorothy Gunn, Clerk
Illinois Pollution Control Board
State of Illinois Center
100 West Randolph, Suite 11-500
Chicago, IL 60601
312/814-3620

For information regarding the filing of an extension, please contact:

Illinois Environmental Protection Agency
Division of Legal Counsel
1021 North Grand Avenue East
Post Office Box 19276
Springfield, IL 62794-9276
217/782-5544

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Howard Warsaw
Attn: John Warsaw
Post Office Box 557
Minier, IL 61759

PS Form 3800, June 2002 — See Reverse for Instructions

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- Attach this card to the back of the mailpiece, or on the front if space permits.

24

1. Article Addressed to:

Howard Warsaw
Attn: John Warsaw
Post Office Box 557
Minier, IL 61759

981984 TAHISR

2. Article Number (Transfer from service label) 7004 2510 0001 8655 1922

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BOSO

17904550007-Tazewell
Warsaw, Howard
Chem Tech

Ransdell

Corrective Action Plan
Warsaw, Howard
Route 122
Minier, IL

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IEPA/BOL

January 25, 2010

IEMA #981987

LPC #17904550077

Midwest Environmental Consulting &
Remediation Services Inc.

Midwest Environmental Consulting & Remediation Services Inc.

22200 Illinois Route 9 • P.O. Box 614
Tremont, IL 61568-0614
Phone: (309) 925-5551 • Fax: (309) 925-5606

January 25, 2010

Mr. Jim Ransdell
Illinois Environmental Protection Agency
Bureau of Land - #24
LUST Section
1021 North Grand Avenue East
Post Office Box 19276
Springfield, Illinois 62794-9276

Re: LPC #1790455007 – Tazewell County
Minier/Warsaw, Howard
Route 122
LUST Incident No. 981987
LUST Technical File

Dear Mr. Ransdell:

We are in receipt of your letter dated December 14, 2005 regarding the High Priority Corrective Action Plan (CAP) and Budget for the subject site dated August 17, 2005. The concerns presented in your letter are addressed below in an item by item format.

Item 1. It is difficult to ascertain if the recovery well system proposed in the Plan is appropriate for remediation of groundwater at this time. Soil exceedances still exist and are the source of contamination in the groundwater. You must eliminate the source of contamination before remediation of groundwater can be implemented.

In an ideal situation, the soil contamination would be removed before groundwater treatment is implemented. However, the site is an operating gas station. Contaminated soil beneath the site is currently inaccessible and impractical to excavate due to the daily operation of the gas station. The soil type above the groundwater bearing zone consists predominantly of silty clay which is not conducive to most forms of in-situ remediation involving the movement of vapors. Groundwater extraction, possibly enhanced with application of slow-release oxygen compounds will be used to reduce BTEX concentrations in the groundwater. Residual soil concentrations will be addressed using Tier 2 CUOs, engineered barriers and institutional controls.

Item 2. The Plan fails to provide which oxygen releasing agents would be considered.

MECRS proposes to evaluate the subsurface for the use of in-situ slow release oxygen compounds. Data will be collected in accordance with the "LUST Program: Use of In-Site Slow-Release Oxygen Compound Injection" guidance document. Data to be collected and collection methods are presented in the attached Plan.

If the subsurface is favorable for the use in-situ slow release oxygen compounds, then the slow release oxygen compounds may be used to enhance the treatment system and speed up the remediation process. The exact compound to be used is unknown at this time but most likely would be Oxygen Releasing Compound (ORC) by Regenesis, or a similar magnesium peroxide based chemical. If the use of an in-situ slow release oxygen compounds appears to be viable, it will be used to enhance the effects of the groundwater pump and treat system. The exact method of application would be proposed to the IEPA before implementation.

Item 3. Appendix G was omitted from the Plan.

The TACO Evaluation was presented in Appendix G in the Corrective Action Plan dated January 28, 2002. This plan was approved by the IEPA in a letter dated May 24, 2002, thus the TACO calculations and Tier 2 CUOs presented in the January 28, 2002 Plan were approved by the IEPA.

Item 4. Soil sampling locations T-1 through T-10 were not provided on the site base map.

Soil sample locations T-1 through T-10 have been added to Figure 6.

Item 5. The Agency is requesting a list of sites which have had success with your proposed groundwater treatment system.

MECRS has previously used horizontal boring to inject ORC at the Capodice property in Normal. This incident is now closed. MECRS has proposed the use of horizontal borings at Walker Coal and Oil in Fairbury and at Ziels Mobil Service in Ladd. Both projects have been approved by the IEPA and will be implemented during the summer of 2009.

The installation of horizontal recovery piping at this site appears to be a reasonable use of the horizontal drilling technology to recover groundwater at this site. Essentially, the horizontal piping allows for installation of a recovery trench without the expense of digging a trench, disposing of the soil, installing the backfill and replacing pavement at the surface.

Item 6. It appears the last sampling even occurred February 14, 2002. The Agency is requesting a re-sampling MW-4 the only exceedance of Tier 1 groundwater remediation objectives for BTEX.

It has been more than four years since groundwater samples were collected at the site. MECRS proposes to collect groundwater samples from all monitoring wells. Costs associated with groundwater sampling have been added to the budget.

A budget covering the costs incurred beyond the investigation phase, the evaluation of the subsurface for slow release-oxygen treatment and the anticipated costs for installation of horizontal recovery wells for enhanced groundwater collection is attached for your review. Implementation of the plan will begin following receipt of an IEPA approval letter, approving the corrective action plan and budget.

If you have any questions or comments, please contact our office.

Sincerely,

Midwest Environmental Consulting and Remediation Services, Inc.

Allan M. Green
President

TKB/glg
cc: Mr. Howard Warsaw
Attachments
Job No. 9890

Leaking Underground Storage Tank Program

High Priority Corrective Action Plan Amendment

Incident Location: **Warsaw - ITCO**
Route 122
Minier, Illinois – Tazewell Co.

Prepared for: **John Warsaw**
PO Box 886
Minier, Illinois 61759

Prepared by: **Midwest Environmental Consulting and Remediation Services, Inc.**
22200 Illinois Route 9
Post Office Box 614
Tremont, Illinois 61568-0614
Contact: Allan Green – President

For Review by: **Illinois Environmental Protection Agency**
Bureau of Land - #24
LUST Section
1021 North Grand Avenue East
Post Office Box 19276
Springfield, Illinois 62794-9276
Contact: Mr. Jim Ransdell

High Priority Corrective Action Plan Amendment

TABLE OF CONTENTS

IEPA UST OWNER/OPERATOR FORM

Illinois Environmental Protection Agency
Leaking Underground Storage Tank Program
LUST Technical Form Cover Page

IEMA Incident #: 981987 IEPA LPC# (10-digit): 1790455007

Site Name: Warsaw, Howard (Warsaw/ITCO)

Site Address (Not a P.O. Box): Route 122

City: Minier County: Tazewell ZIP Code: 61759

Please indicate below the type of plan/report that is being submitted to the Illinois EPA at this time. This form must be attached to all plans and reports submitted to the Illinois EPA pursuant to 35 Ill. Adm. Code 731, 732 and/or 415 ILCS 5/57-57.17. Please check all that apply.

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20 Day Certification	____
45 Day Report	____
Free Product Removal Report	____
Owner/Operator Summary	____
Election to Proceed Under Title XVI	____

	Initial Submittal	Amended Submittal
Site Investigation Plan	____	____
Site Investigation Budget	____	____
Site Investigation Completion Report	____	____
Site Classification Plan	____	____
Site Classification Plan Budget	____	____
Site Classification Completion Report	____	____
Groundwater Monitoring Plan (Low Priority)	____	____
Groundwater Monitoring Plan Budget (Low Priority)	____	____
Groundwater Monitoring Results (Low Priority)	____	____
Corrective Action Plan	____	X
Corrective Action Plan Budget (High Priority)	____	X
Corrective Action Completion Report	____	____
Professional Engineer Certification	____	____
Other (specify) ____	____	____

IEPA CORRECTIVE ACTION PLAN FORM

Illinois Environmental Protection Agency
Leaking Underground Storage Tank Program
Corrective Action Plan

A. Site Identification

IEMA Incident #: 981987 IEPA LPC # (10-digit): 1790455007

Site Name: Warsaw, Howard (Warsaw/ITCO)

Site Address (Not a P.O. Box): Route 122

City: Minier County: Tazewell ZIP Code: 61759

B. Site Information

1. Will the owner/operator seek reimbursement from the Underground Storage Tank Fund? Yes X No ____

2. If yes, is the budget attached? Yes X No ____

3. Is this an amended plan? Yes X No ___

4. Identify the material(s) released: gasoline

5. This Corrective Action Plan is being submitted pursuant to:

   a. 35 Ill. Adm. Code Section 731.166:

      i. A release of petroleum from a UST was reported to IEMA prior to September 13, 1993 and the owner/operator has **NOT** elected to proceed under Title XVI of the Environmental Protection Act — No

      ii. The material released was not petroleum. — No

   b. 35 Ill. Adm. Code Section 732.404:

      i. A groundwater quality standard or objective for any applicable indicator contaminant has been exceeded at the property boundary line or 200 feet from the leaking UST system. — Yes

      ii. The leaking UST system is within the setback zone or regulated recharge area of a potable water supply well. — No

iii. There is evidence that migration of petroleum or petroleum vapors may threaten human health or human safety. Yes

iv. Class III Special Resource Groundwater exists within 200 feet of the site. No

v. A surface body of water has been adversely affected by the presence of a visible sheen or free product layer. No

c. 35 Ill. Adm. Code Section 732.312 No

d. 415 ILCS 5/57-57.17 (includes Public Act 92-0554) No

C. Proposed Methods of Remediation

1. Soil Enhanced Bio-remediation; soil washing
2. Groundwater Groundwater treatment system

D. Soil and Groundwater Investigation Results

Provide the following:

1. Description of investigation activities performed to define the extent of soil and/or groundwater contamination;
2. Analytical results and cleanup objectives in tabular format;
3. Laboratory reports;
4. Boring logs;
5. Monitoring well logs; and
6. Site maps to scale and oriented north showing:

    a. Soil sample locations;
    b. Monitoring well locations; and
    c. Plumes of soil and groundwater contamination.

E. Technical Information - Corrective Action Plan

Provide the following:

1. A discussion of how the corrective action plan shall remediate the release;
2 A list of sampling parameters and corresponding remediation objectives;
3 The basis for determining sampling parameters and remediation objectives;
4 Media sampling plan to verify completion of remediation;
5. Current and future use of the property;
6. Proposed preventive, engineering and institutional controls;
7. A schedule for implementation and projected completion of the plan;

8. Engineering design specifications, diagrams, calculations, manufacturers's specifications, systems analyses, site maps, etc.;
9. A description and results of bench/pilot studies;
10. Itemized cost estimates of alternative versus conventional technologies; and
11. For alternative technologies the following must be provided:
    a. A demonstration that the proposed technology has a substantial likelihood of achieving compliance with all applicable regulations and all corrective action remediation objectives necessary to comply with the Environmental Protection Act and the regulations and to protect human health and the environment;
    b. A demonstration that the proposed technology will not adversely affect human health or the environment;
    c. Copies of all Agency permits necessary to authorize the use of the alternative technology; and
    d. Results of the monitoring program implemented to determine whether the proposed technology will achieve compliance with the applicable regulations and remediation objectives.

F. Signatures

I certify under penalty of law that this plan, supporting documents and all attachments were prepared under my direction or supervision. To the best of my knowledge and belief, this plan, supporting documents and all attachments are true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

UST Owner

Company/Name: _____
Owner Contact: John Warsaw
Address: PO Box 886
City, State, ZIP: Minier, IL 61759
Phone: 309.648.3391
Signature: John Warsaw
Date: 5 Feb 2010

UST Operator (if different than UST Owner)

Name: _____
Title: _____
Address: _____
City, State, ZIP: _____
Phone: _____
Signature: _____
Date: _____

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JUN 18 2010
IEPA/BOL

Consultant

Firm: M.E.C.R.S., Inc.
Contact: Al Green
Title: President
Address: 22200 IL Rt. 9, PO Box 614
City, State, ZIP: Tremont, IL 61568
Phone: 309-925-5551
Signature: Al-m Green
Date: 2/23/2010

SECTION D

BACKGROUND/CORRECTIVE ACTION IMPLEMENTATION REPORT

This portion of the report follows the IEPA Corrective Action Plan Form (IL 532 2287; LPC 513) dated December 1996.

Section D. Background/Corrective Action Implementation Report

The subject site is currently a gasoline service station located on Route 122 in Minier, Illinois. The area is developed for commercial, residential and agricultural use. An area map and a 200'radius map are provided in Figures 1 and 5, respectively.

Three underground storage tanks (USTs) were removed from the site on July 6, 1999. The three tanks (1-2,000 gallon, 2-500 gallon) were used for gasoline. Details of the UST removal/free product removal activities can be found in the Report of Early Action/ Amended 45–Day Report dated August 31, 1999 and the Free Product Removal Report dated August 26, 1999, previously submitted to IEPA.

Midwest Environmental Consulting and Remediation Services, Inc. (MECRS) performed a Physical Soil Classification, pursuant to IEPA Method Two, on May 4, 2000. One (1) Physical Soil Classification boring, doubling as a migration pathway boring (B-1), one (1) boring placed within 5 feet of boring B-1 for the collection of shelby tubes for physical soil testing (B-1a), and six (6) additional migratory pathway borings (MW-1 through MW-4, B-2, and B-3) were completed by Whitney & Associates of Peoria, Illinois under the supervision of MECRS. The Site Classification Completion Report dated July 10, 2000 was submitted to IEPA and details the findings from the investigation. In a letter dated October 20, 2000, the IEPA approved the report and the classification of "High Priority".

The High Priority Site Investigation activities took place on August 23, 2001. As proposed in the approved Investigation Corrective Action Plan, four borings were performed and three monitoring wells were installed to determine the extent of soil and groundwater contamination. Laboratory analysis of samples obtained from borings B-4, B-5, B-7, and MW-5 indicate that contamination has migrated offsite. Groundwater samples collected on August 23, 2001 from monitoring wells MW-1, MW-4, and MW-5 indicate that groundwater contamination exists offsite. Details of the High Priority Site Investigation can be found in the Corrective Action Plan dated January 28, 2002.

The High Priority Corrective Action Plan (CAP) dated January 28, 2002 proposed installing a groundwater pump and treat system to remediate the soil and groundwater contamination found on and offsite. The CAP proposed installing a groundwater collection trench on the north and east property boundaries, running the water through a piping system to a large sump, and pumping the collected groundwater to the groundwater aeration treatment system. Installation of the groundwater trench and aeration treatment system took place in October, 2003, during a period of seasonally lower groundwater elevations. The trench was installed during this time to avoid excessive amounts of water collecting in the trench, thus reducing the possibility of trench collapse.

Elevated readings from the photoionization detector indicate that the trench was placed in the contaminated zone. Laboratory analysis of samples obtained from the trench excavation support the photoionization detector readings.

Site visits have been conducted on a monthly basis for the purpose of monitoring the system progress, conduct routine operation and maintenance, and to take influent and effluent samples (if applicable). Since installation of the groundwater treatment system, no groundwater has passed through the treatment system. Based upon groundwater elevations taken from the monitoring wells near the trench, the trench should be generating water to be transferred to the groundwater treatment system. However, due to hydrostatic pressure in the water-bearing zone, groundwater does not reach the elevation necessary to collect in the trench.

The purpose of this High Priority CAP is to propose the remedial activities necessary to bring the contaminant concentrations below the calculated Tier 2 CUOs. The budget for the activities proposed in this CAP, and those costs previously incurred for the preparation of the CAP is attached for IEPA approval.

SECTION E

TECHNICAL INFORMATION – CORRECTIVE ACTION PLAN

Section E. Technical Information – Corrective Action Plan

Provide the following:

1. **A discussion of how the corrective action plan shall remediate each of the criteria which caused the site to be classified as High Priority;**

Modification of the groundwater collection trench is necessary for the system to operate and continue remediation of the contamination at the site. No recovery of contaminated groundwater has taken place due to the low levels of groundwater. Placing horizontal recovery wells across the site will provide access to the contaminated groundwater and allow the groundwater to be collected and transferred to the groundwater treatment system.

MECRS proposes to perform an enhanced bio-remediation study to evaluate the subsurface for the use of oxygen releasing compound. The study will be conducted in accordance with the LUST Program "Use of In-Situ Slow Release Oxygen Compound Injection" guidance document as discussed below in Item 2. Once the system is operational and tested for a period of time, enhanced bio-remediation may aid in speeding up the remediation process.

2. **Engineering design specifications, diagrams, calculations, manufacturer's specifications, systems analyses, site maps, etc.;**

A total of four horizontal recovery wells will be installed radially outward from a single location where the sump box will be located. The horizontal recovery wells will be installed using a horizontal directional boring machine to target the top three feet of the sandy water bearing zone. Rigid casing will be installed at a downward angle toward the recovery sump. Groundwater will gravity flow toward the sump and will be transferred to the groundwater treatment system. The proposed horizontal recovery well layout is presented in Figure 5.

To evaluate the subsurface for use of in-situ slow release oxygen compound, the following data collection is proposed:

Groundwater

1. Collect groundwater samples from wells MW-3 (up-gradient), MW-1, MW-4, MW-6 (all located across the plume) and MW-7 (down-gradient). Groundwater from these wells will be analyzed for 10 metals (Fe, Zn, Pb, As, Ba, Cd, Ch, Hg, Se and Ag), TPHg and COD.
2. A groundwater sample from well MW-3 will be analyzed for total microbial plate count.
3. A groundwater sample from well MW-4 will be analyzed for pH, nitrogen and phosphorus.
4. Hydraulic conductivity testing of the aquifer will be completed in well MW-4

Soil

1. A soil sample will be collected from a boring near MW-3 for total microbial plate count.
2. A soil sample will be collected at the groundwater surface from the boring near MW-3 for determination of porosity.
3. A total of five soil borings will be completed at the locations shown in Figure 6. Soil samples will be collected on foot into groundwater surface and analyzed for TPHg, COD and eight metals (As, Ba, Cd, Ch, Pb, Hg, Se and Ag).

All data collected will be used to evaluate the subsurface for the use of in-situ slow release oxygen compound injection. If the use of in-situ slow release oxygen compound appears to be viable, the slow release oxygen compound may be used to enhance the effects of the groundwater treatment system. Any plan to use slow release oxygen compound will be presented to the IEPA in a Corrective Action Plan Amendment prior to implementation.

3. A list of sampling parameters and corresponding cleanup objectives;

The material released at the site was gasoline. The indicator contaminants for gasoline are benzene, toluene, ethylbenzene and xylenes (BTEX). TACO calculations and results were presented to the IEPAP in the Amended Corrective Action Plan (CAP), Appendix G dated January 28, 2002.

The site meets the criteria for Class I groundwater. Land use is currently industrial/commercial and will be limited as such with a industrial/commercial land use restriction. Residential CUOs need not be considered. The building and the pavement at the site will be designated as engineered barriers to eliminate the industrial/commercial exposure scenarios. The construction worker exposure scenarios, the soil component of the groundwater ingestion route and the groundwater ingestion route will be considered.

The following Tier 2 CUOs were presented to the IEPA in the CAP dated January 28, 2009 and approved by the IEPA in a letter dated May 24, 2002.

Calculated Tier 2 CUOs(RBCA)

COC	Construction Worker Combined Pathways	Construction Worker Inhalation	Soil Component of GW Ingestion	GW Component of GW Ingestion
Benzene	1477	2765 ppm	0.153 ppm	0.0914 ppm
Toluene	2450	2450 ppm	2587 ppm	526 ppm
Ethylbenzene	1552	1552 ppm	1642 ppm	169 ppm
Xylenes	1229	5.6 ppm*	1229 ppm	186 ppm

* The construction worker Tier 2 CUO for xylenes was not calculated so the Tier 1 CUOs is proposed. TACO calculations were approved when the CAP was approved in the IEPA's May 4, 2002 letter. If required, the Tier 2 CUOs for xylenes for the construction worker inhalation scenario could be calculated. The personnel time required to complete those calculations are presented in the attached budget.

The groundwater sampling parameters and corresponding CUOs are:

Analyte	**Method**	**MDL**	**Units**
Benzene	EPA 8021/W	2	ug/L
Toluene	EPA 8021/W	2	ug/L
Ethylbenzene	EPA 8021/W	2	ug/L
Xylenes	EPA 8021/W	5	ug/L

Equations, variables, and calculations for these site specific CUOs can be found in Appendix G – TACO Calculations and Results of the CAP Amendment dated January 28, 2002, approved by the IEPA in a letter dated May 4, 2002.

4. The basis for determining sampling parameters and cleanup objectives;

The sampling parameters are the indicator contaminants for gasoline. Cleanup objectives were based on a Tier 2 TACO evaluation of the site and used site-specific parameters to calculate those objectives. Engineered barriers and institutional controls will be imposed on the site to eliminate the exposure scenarios discussed above.

5. Media sampling plan to verify completion of remediation;

Once the enhanced groundwater collection trench is complete and contaminated groundwater is flowing through the treatment system, groundwater samples will be collected from wells MW-1 through MW-7 on a quarterly basis to monitor the groundwater treatment systems progress in remediating the contamination in groundwater. Once the groundwater CUOs have been met, soil samples will be collected from borings placed at the site. The soil sampling plan will be based on known concentrations collected from borings placed onsite during the previous investigations. The soil sampling plan will be submitted with a corresponding budget once the groundwater objectives have been met.

6. A discussion of the proposed system(s) effectiveness in remediating the contaminated soil and/or groundwater;

Influent results versus effluent results taken from systems at sites with similar hydrogeologic properties and similar geology indicates that the proposed system lowers the contamination in groundwater to below detection limits for BTEX. MECRS has brought similar projects to closure with the installation and use of the same groundwater treatment systems.

7. A description and results of bench/pilot studies;

MECRS proposes to collect samples to determine if the use of slow release oxygen compound injection is viable for the site.

MECRS has previously used horizontal boring to inject ORC at the Capodice property in Normal. This incident is now closed. MECRS has proposed the use of horizontal borings at Walker Coal and Oil in Fairbury and at Ziels Mobil Service in Ladd. Both projects have been approved by the IEPA and will be implemented during the summer of 2009.

The installation of horizontal recovery piping at this site appears to be a reasonable use of the horizontal drilling technology to recover groundwater at this site. Essentially, the horizontal piping allows for installation of a recovery trench without the expense of digging a trench, disposing of the soil, installing the backfill and replacing pavement at the surface.

8. Itemized cost estimates of alternative versus conventional technologies;

This is not applicable. The proposed method of remediation is a pump and treat groundwater system and is considered to be conventional technology.

9. For alternative technologies the following must be provided:

a. A demonstration that the proposed technology has a substantial likelihood of achieving compliance with all applicable regulations and all corrective action remediation objectives necessary to comply with the Environmental Protection Act and the regulations and to protect human health and the environment;

b. A demonstration that the proposed technology will not adversely affect human health or the environment;

c. Copies of all agency permits necessary to authorize the use of the alternative technology.

d. Results of the monitoring program implemented to determine whether the proposed technology will achieve compliance with the applicable regulations and remediation objectives.

This is not applicable. The proposed method of remediation is considered to be conventional technology.

TABLE 1

SOIL ANALYTICAL DATA

TABLE 1.
Soil Analytical Results
Warsaw-ITCO
Minier, IL

Sample ID:	Sample Date	Benzene	Toluene	Ethylbenzene	Xylenes (total)	Total BTEX
B-1, 8-10'	5/3/2000	<2.0	<2.0	<2.0	<5.0	<11.0
B-2, 4-6'	5/3/2000	**810**	1,300	1,700	6,500	10,310
B-2, 6-8'	5/3/2000	**600**	220	420	1,900	3,140
B-2, 8-10'	5/3/2000	**21,000**	**41,000**	**47,000**	**190,000**	**299,000**
B-3, 6-8'	5/3/2000	**400**	120	210	460	1,190
B-3, 8-10'	5/3/2000	**2,300**	2,100	**31,000**	110,000	145,400
MW-1, 6-8'	5/4/2000	<2.0	<2.0	<2.0	<5.0	<11.0
MW-2, 8-10'	5/3/2000	<2.0	<2.0	<2.0	<5.0	<11.0
MW-3, 8-10'	5/3/2000	<2.0	<2.0	6	<5.0	<14.7
MW-4, 4-6'	5/4/2000	**230**	220	870	2,500	3,820
MW-4, 6-8'	5/4/2000	**300**	1,200	5,400	20,000	26,900
B-4, 0.5-2.5'	8/23/2001	8.1 M	19.0 M	44.7 M	77.2 M	149 M
B-4, 4-6'	8/23/2001	**11,600 ME**	42,700 ME	9,720 ME	38,000 ME	102,020 ME
B-5, 6-8'	8/23/2001	**49**	186 E	38	130	403
B-6, 4-6'	8/23/2001	19.5	53.4	31.3	89.8	194.0
B-6, 8-10'	8/23/2001	7.1	12.3	<2.4	10.9	<32.3
B-7, 8-10'	8/23/2001	16.7 M	61.5 M	13.9 M	39.5 M	131.6 M
B-7, 12-14'	8/23/2001	**754.0**	<61.3	<61.3	<153	<1,029.6
MW-5, 8-10'	8/23/2001	**494 M**	4,750 M	5,890 M	7,570 M	18,704 M
MW-6, 6-8'	8/23/2001	6.5	12.4	6.3	11.3	36.5
MW-7, 4-6'	8/23/2001	11.7	25.1	10.8	20.0	67.6
MW-7, 8-10	8/23/2001	15.5 M	20.2 M	6.8	11.8	54.3
T-1	10/20/2003	<2.6	3.2	<2.6	<6.5	<14.9
T-2	10/20/2003	<2.6	<2.6	<2.6	<6.5	<14.3
T-3	10/20/2003	<2.4	5.1	5.1	14.2	<26.8
T-4	10/20/2003	<2.4	<2.4	<2.4	<5.9	<13.1
T-5	10/20/2003	3.4	40.8	360.0	947.0	1,351.2
T-6	10/20/2003	**85.3**	635.0	1,840.0	7,140.0	9,700.3
T-7	10/20/2003	**85.5**	43.8	1,120.0	2,460.0	3,709.3
T-8	10/20/2003	<2.5	6.6	18.9	56.8	<84.8
T-9	10/20/2003	<2.4	<2.4	<2.4	<6.1	<13.3
T-10	10/20/2003	<2.5	<2.5	<2.5	<6.2	<13.7

Notes:

1. All results in parts per billion (ppb).
2. IEPA Tier 1 Residential Cleanup Objectives

Benzene	Toluene	Ethylbenzene	Xylenes (total)
30	12,000	13,000	150,000

3. All bolded values are above Tier 1 Residential Cleanup Objectives
4. M = Matrix interferences identified
5. E = Estimated

TABLE 2

GROUNDWATER ANALYTICAL DATA

Table 2: Groundwater Analytical Data

Warsaw - ITCO
Minier, Illinois

Sample #	Date	DTW	GWE	Benzene	Toluene	E-benzene	Xylenes	Total BTEX
MW-1	Elevation Top of Casing =			99.62				
SC	5/12/2000	5.89	93.73	4.3	<1.0	<1.0	<3.0	<9.3
1	10/24/2000	7.76	91.86	2.4	<1.0	<1.0	<3.0	<7.4
2	8/23/2001	6.76	92.86	524 E	<2.0	<2.0	<5.0	<533 E
3	11/13/2001	6.26	93.36	<2.0	<2.0	<2.0	<5.0	<11.0
4	2/14/2002	5.41	94.21	<1.0	<1.0	<1.0	<3.0	<6.0
5	1/24/2005	4.65	94.97	NS	NS	NS	NS	NS
MW-2	Elevation Top of Casing =			99.28				
SC	5/9/2000	5.51	93.77	<1.0	<1.0	<1.0	<3.0	<6.0
1	10/24/2000	7.52	91.76	<1.0	<1.0	<1.0	<3.0	<6.0
2	8/23/2001	4.35	94.93	2.6 M	<2.0 M	<2.0	7.1	<13.7
3	11/13/2001	6.01	93.27	<2.0	<2.0	<2.0	<5.0	<11.0
4	2/14/2002	5.12	94.16	<1.0	<1.0	<1.0	<3.0	<6.0
5	1/24/2005	4.38	94.90	NS	NS	NS	NS	NS
MW-3	Elevation Top of Casing =			100				
SC	5/9/2000	6.09	93.91	<1.0	<1.0	<1.0	<3.0	<6.0
1	10/24/2000	8.04	91.96	<1.0	<1.0	<1.0	<3.0	<6.0
2	8/23/2001	6.22	93.78	<2.0	<2.0	<2.0	<5.0	<11.0
3	11/13/2001	6.20	93.80	<2.0	<2.0	<2.0	<5.0	<11.0
4	2/14/2002	5.37	94.63	<1.0	<1.0	<1.0	<3.0	<6.0
5	1/24/2005	4.34	95.66	NS	NS	NS	NS	NS
MW-4	Elevation Top of Casing =			99.84				
SC	5/9/2000	5.90	93.94	2,600	12,000	4,500	18,000	37,100
1	10/24/2000	7.80	92.04	2,300	5,200	4,000	13,000	24,500
2	8/23/2001	6.67	93.17	2,290 M	2,380 M	8,150	23,600 E	36,420 E
3	11/13/2001	6.11	93.73	1,910	3,960	3,360	10,000	19,230
4	2/14/2002	5.00	94.84	1,100	1,200	2,900	5,500	10,700
5	1/24/2005	4.47	95.37	NS	NS	NS	NS	NS
MW-5	Elevation Top of Casing =			99.57				
SC	5/9/2000	--	--	--	--	--	--	--
1	10/24/2000	--	--	--	--	--	--	--
2	8/23/2001	4.82	94.75	78.3 M	2.4 M	23.9	26.3	130.9
3	11/13/2001	5.67	93.90	<2.0	<2.0	<2.0	<5.0	<11.0
4	2/14/2002	4.71	94.86	1.4	2.2	1.5	4.5	9.6
5	1/24/2005	3.89	95.68	NS	NS	NS	NS	NS
MW-6	Elevation Top of Casing =			99.37				
SC	5/9/2000	--	--	--	--	--	--	--
1	10/24/2000	--	--	--	--	--	--	--
2	8/23/2001	6.55	92.82	4.1	<2.0	<2.0	10.4	<18.5
3	11/13/2001	5.59	93.78	<2.0	<2.0	<2.0	<5.0	<11.0
4	2/14/2002	4.71	94.66	<1.0	<1.0	<1.0	<3.0	<6.0
5	1/24/2005	WELL ICED OVER		NS	NS	NS	NS	NS
MW-7	Elevation Top of Casing =			100.07	WELL DESTROYED AT TIME OF 1/25/05 DTW MEASUREMENT			
SC	5/9/2000	--	--	--	--	--	--	--
1	10/24/2000	--	--	--	--	--	--	--
2	8/23/2001	7.28	92.79	<2.0	<2.0	<2.0	5.9	<11.9
3	11/13/2001	6.23	93.84	117 E	<2.0	<2.0	<5.0	<126 E
4	2/14/2002	5.52	94.55	7	<1.0	<1.0	<3.0	<12.0
5	1/24/2005	--	--	NS	NS	NS	NS	NS

1. All results reported in ug/kg (i.e. parts per billion, ppb)
2. IEPA Tier 1 Cleanup Objectives (ug/kg):

Benzene	Toluene	Ethylbenzene	Xylenes
5	1,000	700	10,000

3. -- = No data available
4. MDL = Method Detection Limit
5. DTW = Depth to Water
6. GWE = Groundwater Elevation referenced to datum point
7. NA/NS = Not analyzed/not sampled this event
8. E = Estimated - value outside linear range
9. M = Matrix interferences identified.

Date	Average DTW
5/9/2000	5.85
10/24/2000	7.78
8/23/2001	6.09
11/13/2001	6.01
2/14/2002	5.12
1/24/2005	4.35
Cumulative DTW Average:	5.87

FIGURE 1

AREA MAP

FIGURE 1 - AREA MAP

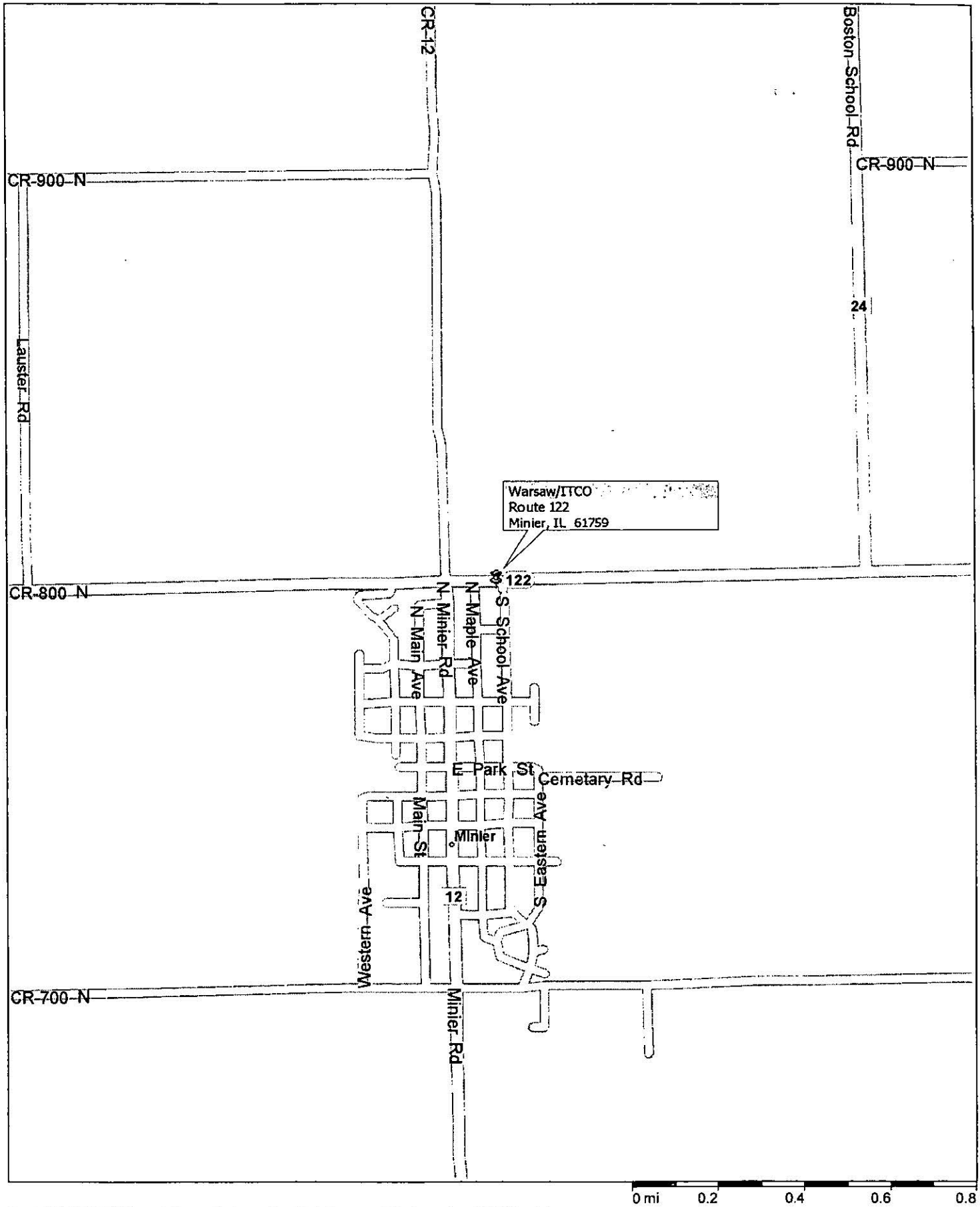


FIGURE 2

MONITORING WELL AND SOIL BORING LOCATION MAP

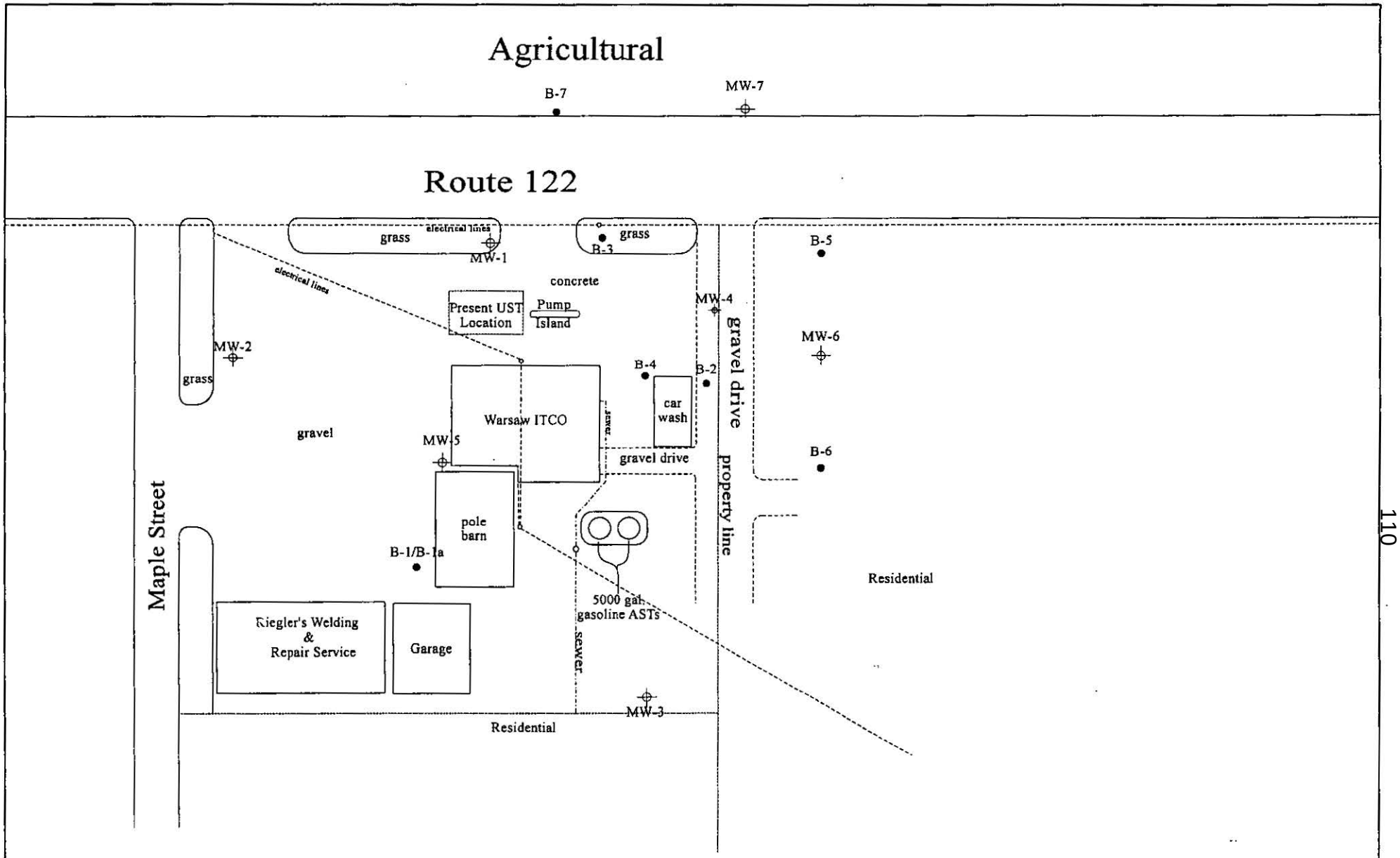


FIGURE 3

PIEZOMETRIC SURFACE MAP 1/24/05

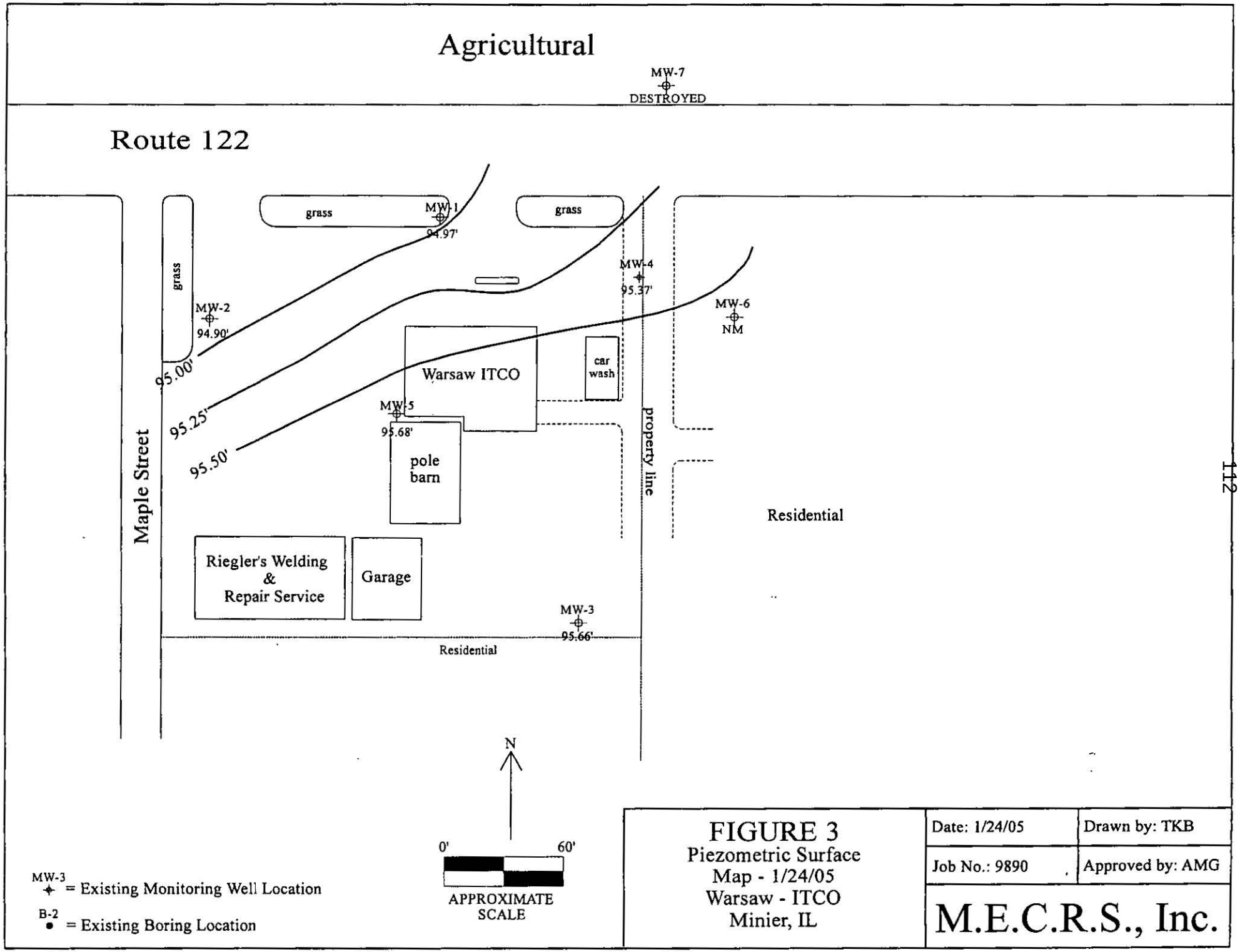


FIGURE 4

200 FEET RADIUS MAP

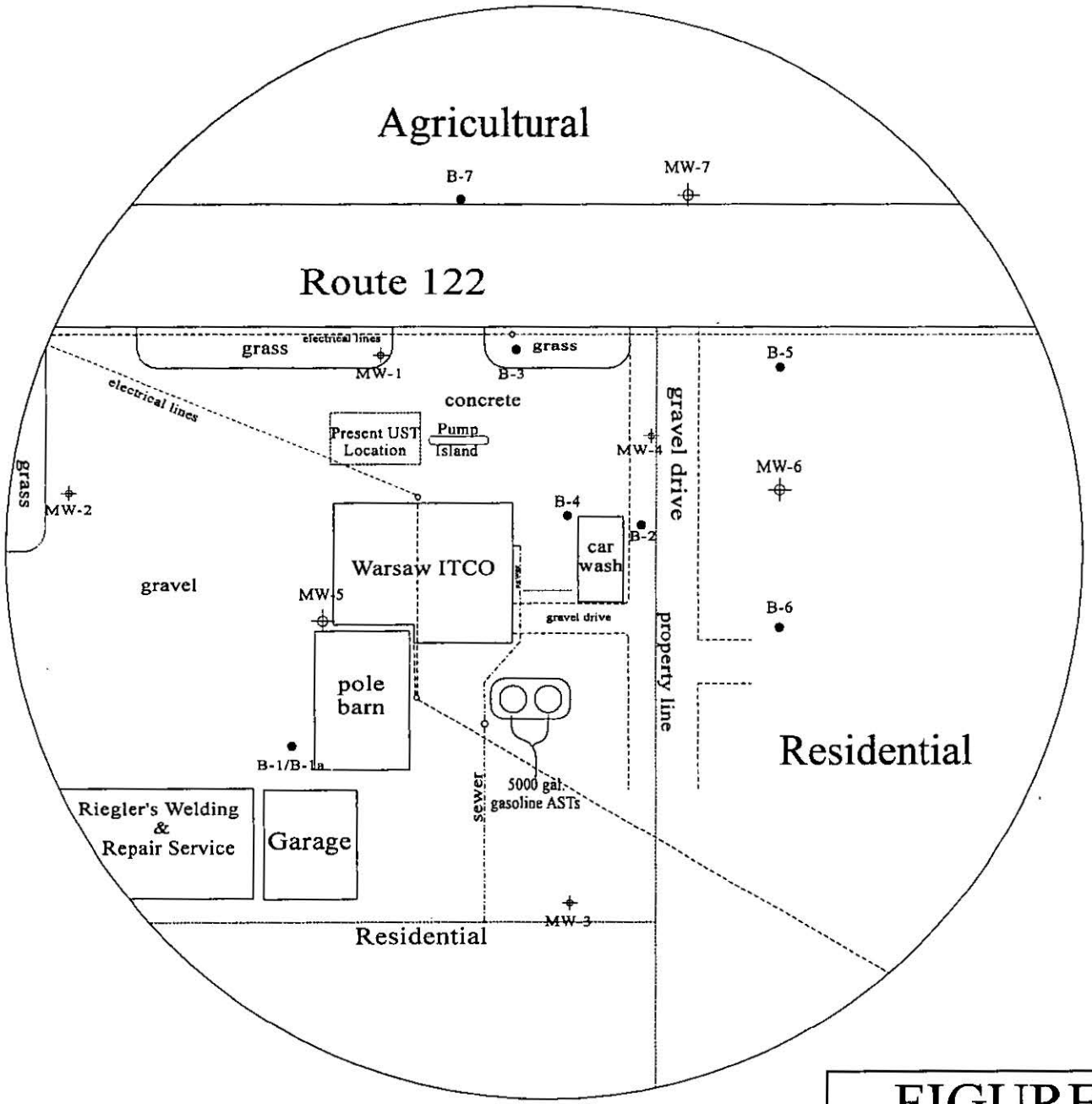


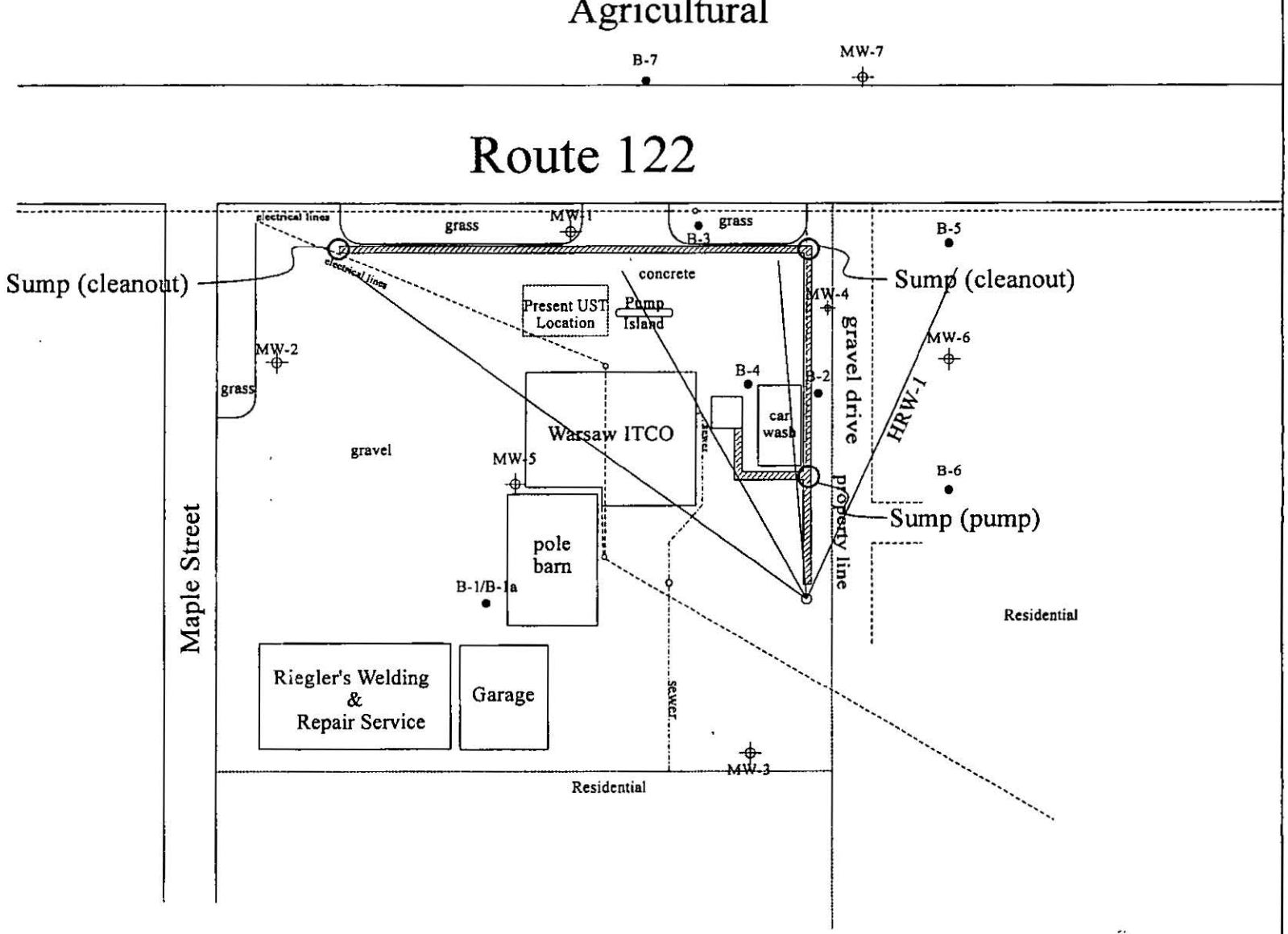
FIGURE 4
200' Radius Map
Warsaw ITCO
Minier, IL

DATE: 7/12/05	DRAWN BY: TKB
JOB NO.: 9890	APPROVED BY: AMG

M.E.C.R.S., Inc.

FIGURE 5

PROPOSED HORIZONTAL RECOVERY WELL LAYOUT



N

0' 60'

APPROXIMATE SCALE

MW-3 = Existing Monitoring Well Location

B-2 = Existing Boring Location

FIGURE 5
Proposed Horizontal Recovery Well Layout
Warsaw ITCO
Minier, Illinois

Date: 7/12/05	Drawn by: TKB
Job No.: 9890	Approved by: AMG

M.E.C.R.S., Inc.

FIGURE 6

PROPOSED SOIL BORINGS

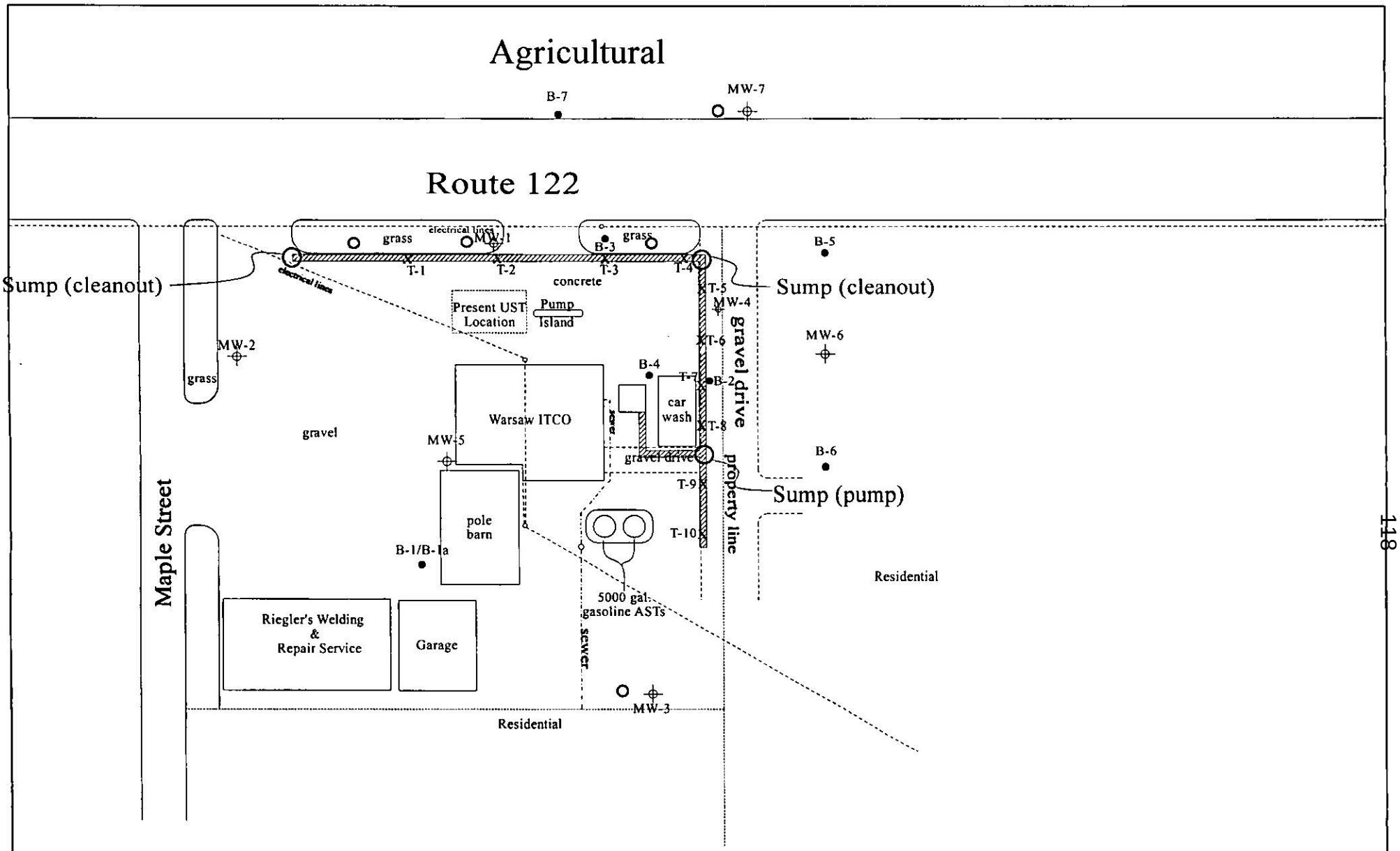


FIGURE 6

Proposed Bio-Study Boring Locations

Warsaw ITCO
Minier, IL

Date: 3/26/09	Drawn by: PLS
Job No.: 9890	Approved by: AMG

M.E.C.R.S., Inc.

APPENDIX A

BORING LOGS AND MONITORING WELL DIAGRAMS

PLEASE SEE APPENDIX A OF CORRECTIVE ACTION PLAN AND BUDGET DATED JANUARY 28, 2002 FOR COMPLETE SET OF BORING LOGS AND MONITORING WELL DIAGRAMS .

APPENDIX B

LABORATORY DATA SHEETS

PLEASE SEE APPENDIX B OF CORRECTIVE ACTION PLAN AND BUDGET DATED AUGUST 17, 2005 FOR MOST RECENT LABORATORY DATA .

APPENDIX C

LIST OF REPORTS PREVIOUSLY SUBMITTED TO THE IEPA

Illinois Environmental Protection Agency

www.epa.state.il.us

State of Illinois

L.I.T. Search

IEMA # 981987 **LPC #** 1790455007

Site: Warsaw, Howard

Date	Description
8/20/1998	Notice of Release Letter sent
10/9/1998	Early Action Extension Request received
11/4/1998	Review Letter sent
3/24/1999	Early Action Extension Request received
4/22/1999	Early Action Extension Approval Letter sent
5/12/1999	Early Action Extension Request received
5/27/1999	Early Action Extension Approval Letter sent
9/10/1999	45 Day Report Addendum received
9/10/1999	Free Product Report received
10/4/1999	Review Letter sent

Site (Main) | Tank Operator | Title XVI | TACO | Claims | Search

Agency Site Map | Privacy Information | Kids Privacy | Web Accessibility | Agency Webmaster

Illinois Environmental Protection Agency

www.epa.state.il.us

State of Illinois

L.I.T. Search

IEMA # 981987 **LPC #** 1790455007

Site: Warsaw, Howard

Event Description	Date	Resp. Due	Decision	Mailed
Site Classification Work Plan	10/20/1999	2/17/2000	AOL	11/3/1999
Site Classification Work Plan Budget	10/20/1999	2/17/2000	AOL	11/3/1999
Site Classification Completion Report	7/14/2000	11/11/2000	APR	10/20/2000
High Priority Corrective Action Plan	12/8/2000	4/7/2001	APR	3/30/2001
High Priority Corrective Action Plan Budget	12/8/2000	4/7/2001	APR	3/30/2001
High Priority Corrective Action Plan	2/8/2002	6/8/2002	APR	5/24/2002
High Priority Corrective Action Plan Budget	2/8/2002	6/8/2002	DEN	5/24/2002
High Priority Corrective Action Plan Budget	11/12/2002	3/12/2003	MOD	1/30/2003
High Priority Corrective Action Plan Budget	2/26/2003	6/26/2003	MOD	3/12/2003
High Priority Corrective Action Plan Budget	11/20/2003	3/19/2004	MOD	3/18/2004
High Priority Corrective Action Plan	8/25/2005	12/23/2005	DEN	12/14/2005
High Priority Corrective Action Plan Budget	8/25/2005	12/23/2005	DEN	12/14/2005

Site (Main) | Tank Operator | General | TACO | Claims | Search

Agency Site Map | Privacy Information | Kids Privacy | Web Accessibility | Agency Webmaster

APPENDIX D

HIGH PRIORITY CAP BUDGET

BUDGET AND BILLING FORM FOR LEAKING UNDERGROUND STORAGE TANK SITES

A. SITE INFORMATION

Site Name: Warsaw, Howard

Site Address: Route 122 City: Minier

Zip: 61759

County: Tazewell IEPA Generator No.: 1790455007

IEMA Incident No: 981987 IEMA Notification Date: May 19, 1999

Date this Form was Prepared: March 26, 2009

This form is being submitted as a:

RECEIVED
JUN 18 2010
IEPA/BOL

____ Budget Proposal

__X__ Budget Amendment (Budget Amendments must include only the costs over the previous budget)

Amendment Number: 2

____ Billing Package for costs incurred pursuant to 35 Illinois Administrative Code (IAC), Part 732 ("new program)

Name(s) of report(s) documenting the costs requested: _____

_____ Date(s): _____

This form is being submitted for the Site Activities indicated below (check one):

____ Early Action

____ Low Priority Corrective Action

____ Site Classification

__X__ High Priority Corrective Action

____ Other (indicate activities):

DO NOT SUBMIT "NEW PROGRAM" COSTS AND "OLD PROGRAM" COSTS AT THE SAME TIME, ON THE SAME FORMS.

IL 532-2263
LPC 494 Rev. 2/99

This form must be submitted in duplicate.
The Agency is authorized to require this information under 415 ILCS 5/1. Disclosure of this information is required. Failure to do so may result in the delay or denial of any budget or payment requested hereunder. This form has been approved by the Forms Management Center.

IEMA NO. 981987

If eligible for reimbursement, where should reimbursement checks be sent? Please note that only owners or operators or USTs may be eligible for reimbursement. Therefore, payment can only be made to an owner or operator.

Pay to the order of: Howard Warsaw

Send in care of: Howard Warsaw

Address: Route 122

City: Minier State: IL Zip: 61759

Number of Petroleum USTs in Illinois presently owned or operated by the owner or operator; any subsidiary, parent or joint stock company of the owner or operator; and any company owned by any parent, subsidiary or joint stock company of the owner or operator:

Fewer than 101: X 101 or more: _____

Number of USTs at the site: 7 (Number of USTs included USTs presently at the site and USTs that have been removed.)

Number of incidents reported to IEMA: 2

Incident Numbers assigned to the site due to releases from USTs: 981987, 991610

Please list all tanks which have ever been located at the site and are presently located at the site:

Product Stored	Size (gallons)	Did UST have a release?		Incident No.	Type of Release
gasoline	500	**Yes**	No	981987, 991610	UST & Piping leak, spills/overfills
gasoline	500	**Yes**	No	981987, 991610	UST & Piping leak, spills/overfills
gasoline	2,000	**Yes**	No	981987, 991610	UST & Piping leak, spills/overfills
diesel	2,500	Yes	**No**	N/A	N/A
gasoline	2,500	Yes	**No**	N/A	N/A
gasoline	2,500	Yes	**No**	N/A	N/A
gasoline	2,500	Yes	**No**	N/A	N/A
		Yes	No		
		Yes	No		

This form must be submitted in duplicate.

IEMA No. 981987

B. PROPOSED BUDGET SUMMARY AND BUDGET TOTAL

1. Investigation Costs:	$2,180.99
2. Analysis Costs:	$4,346.84
3. Personnel Costs:	$57,353.64
4. Equipment Costs:	$389.20
5. Field Purchases and Other Costs:	$72,227.00
6. Handling Charges:	$5,728.69
TOTAL PROPOSED BUDGET =	**$142,226.36**

This form must be submitted in duplicate.

IEMA NO. 981987

E. INVESTIGATION COSTS

Method I _____ Method II _____ Method III _____ Not Applicable X

1.0 **Drilling Costs** - This includes the costs for drilling labor, drill rig usage, and other drilling equipment. Borings which are to be completed as monitoring wells should be listed here. Costs associated with disposal of cuttings should not be included here. An indication must be made as to why each boring is being conducted (I.e. classification, monitoring wells, migration pathways).

5 borings to 10 feet = 50 feet to be bored for bio-parameter collection

_____ borings to 145 feet = 0 feet to be bored for _____

_____ boring to 130 feet = 0 feet to be bored for _____

_____ borings to 140 feet = 0 feet to be bored for _____

_____ borings to _____ feet = 0 feet to be bored for _____

Total feet to be bored: 50

Borings: 50 feet X $25.08 per foot = $1,254.00 or **$1,635.75** flat rate

Hours _____ X _____ per hour = _____

_____ borings through _____ ft of bedrock = _____ Ft bedrock to be bored

_____ borings through _____ ft of bedrock = _____ Ft bedrock to be bored

Total Feet bedrock to be Bored: 0

_____ Borings: 0 Ft bedrock x _____ per ft bedrock = _____ (or)

_____ Hours x$ _____ per hour = 0

_____ # of Mobilizations @ $280.00 per mobilization = $0.00

Other Costs	Number of Units	Unit Cost	Total Cost
decontamination of augers (each)			$0.00
cleanup of jobsite (per hour)			$0.00
drilling through concrete (per inch)			$0.00
		subtotal	$0.00

2. **Professional Services (e.g., P.E., geologist)** - These costs must be listed in Section I, the Personnel section of the forms.

This form must be submitted in duplicate.

IEMA NO. 981987

3. **Monitoring Well Installation Materials** - Costs listed here must be costs associated with well casing, well screens, filter pack, annular seal, surface seal, well covers, etc. List the items below in a time and materials format.

Materials	Number of Units	Unit Cost	Total Cost
2" ID Slotted PVC well screens (per foot)			$0.00
2" ID Solid PVC riser (per foot)			$0.00
Installation of 2" monitoring well material (/ft)			$0.00
Silica sand filter pack (per foot)			$0.00
Bentonite pellet seal (each)			$0.00
2" Expandable caps with locks (each)			$0.00
Flush mount manhole covers (each)			$0.00
2" PVC well sumps (each)			$0.00
Bentonite hole plug (per foot)			$0.00
			$0.00
		subtotal	**$0.00**

4. **Disposal Costs** - This includes the costs for disposing of boring cuttings and any water generated while performing borings or installing wells.

Disposal of Cuttings: 2 drums x $272.62 per drum = $545.24

Disposal of Water: _____ gallons x _____ per gallon = $0.00

Transportation Costs: _____

Describe how the water/soil will be disposed: All contaminated cuttings will be placed in IDOT approved 55 gallon drums. The drums will then be transported by a certified waste hauler to an approved disposal facility.

Total Investigation Costs: **$2,180.99**

IEMA No. 981987

F. ANALYSIS COSTS

1. **Physical Soil Analysis** - This must only include ***analysis*** costs for classification of soil types at the site.

_____	Moisture Content Samples X	_____	per sample =	$0.00
_____	Soil Classification samples X	_____	per sample =	$0.00
	Indication method to be performed:	_____		
_____	Soil Particle Size Samples X	_____	per sample =	$0.00
_____	Ex-Situ Hydraulic Conductivity/Permeability Samples			
	X	_____	per sample =	$0.00
	Indicate method to be performed:	ASTM D5084-90		
_____	Rock Hydraulic Conductivity/Permeability samples			
	X	_____	per sample =	_____
_____	Natural Organic Carbon Fraction (foc) samples			
	X	_____	per sample =	$0.00
	Indicate the ASTM or SW-846 method to be performed:	_____		
_____	Soil Bulk Density samples X	_____	per sample =	$0.00
1	soil porosity samples X	$32.71	per sample =	$32.71
_____	_____ samples X	_____	per sample =	0
_____	_____ samples X	_____	per sample =	0
_____	_____ samples X	_____	per sample =	0

2. **Soil Analysis Costs** - This must be for laboratory ***analysis*** only.

_____	BTEX	samples X	$70.00	per sample =	$0.00
5	TPHg	samples X	$133.04	per sample =	$665.20
5	COD	samples X	$32.71	per sample =	$163.55

This form must be submitted in duplicate.

IEMA NO. 981987

5	metals prep	samples X	$17.45	per sample =	$87.25
5	total arsenic	samples X	$17.45	per sample =	$87.25
5	total barium	samples X	$10.90	per sample =	$54.50
5	total cadmium	samples X	$17.45	per sample =	$87.25
5	total chromium	samples X	$10.90	per sample =	$54.50
5	total Lead	samples X	$17.45	per sample =	$87.25
5	total mercury	samples X	$10.90	per sample =	$54.50
5	total selenium	samples X	$17.45	per sample =	$87.25
5	total silver	samples X	$10.90	per sample =	$54.50
	Lab and/or Field Blank	samples X		per sample =	$0.00
1	microbial plate count	samples X	$100.00	per sample =	$100.00
		samples X		per sample =	$0.00
		samples X		per sample =	$0.00
		samples X		per sample =	$0.00

3. **Groundwater Analysis Costs** - This must be for laboratory ***analysis*** only.

7	BTEX	samples X	$88.33	per sample =	$618.31
5	TPHg	samples X	$133.04	per sample =	$665.20
5	COD	samples X	$32.71	per sample =	$163.55
1	pH	samples X	$15.27	per sample =	$15.27
1	nitrogen	samples X	100	per sample =	$100.00
1	phospohorus	samples X	100	per sample =	$100.00
1	Total Plate Count	samples X	$100.00	per sample =	$100.00
5	total cadmium	samples X	19.63	per sample =	$98.15
5	total iron	samples X	$13.09	per sample =	$65.45
5	total chormium	samples X	13.09	per sample =	$65.45
5	total zinc	samples X	$37.80	per sample =	$189.00
5	total mercury	samples X	28.35	per sample =	$141.75
5	total lead	samples X	$19.63	per sample =	$98.15
5	total selenium	samples X	$16.36	per sample =	$81.80
5	total arsenic	samples X	$19.63	per sample =	$98.15
5	total silver	samples X	$13.09	per sample =	$65.45
5	total barium	samples X	$13.09	per sample =	$65.45

Total Analysis Costs = **$4,346.84**

This form must be submitted in duplicate.

IEMA NO. 981987

G. PERSONNEL

All personnel costs that are not included elsewhere in the budget/billing form must be listed here. Costs must be listed per task, not personnel type. The following are some examples of tasks: Drafting, data collection, plan, report or budget preparation for _____(i.e., site classification work plan, 45 day report, or high priority corrective action budget), sampling, field oversight for _____ (i.e. drilling/well installation, corrective action, or early action), of maintenance of _____ . The above list is not inclusive of all possible tasks.

Sr. Professional Engineer (PG) : 12 hours x $119.95 per hour = $1,439.40

Task to be performed for the above hours: Report/reimbursement review & certification

Sr. Project Manager : 40 hours x $109.05 per hour = $4,362.00

Task to be performed for the above hours: High Priority Corrective Action; Report prep., review

Project Manager : 120 hours x $98.14 per hour = $11,776.80

Task to be performed for the above hours: planning, boring/RW design; System O&M

Geologist III : 148 hours x $95.96 per hour = $14,202.08

Task to be performed for the above hours: Corrective Action implementation; RW Installation

Geologist III : 40 hours x $95.96 per hour = $3,838.40

Task to be performed for the above hours: Planning, CAP & Budget amendment

Geologist III : 62 hours x $98.00 per hour = $6,076.00

Task to be performed for the above hours: CAP Preparation; design, research, slug test and analysis

Sr. Acct. Technician : 16 hours x $59.98 per hour = $959.68

Task to be performed for the above hours: Reimbursement

Sr. Admin. Assist. : 24 hours x $49.07 per hour = $1,177.68

Task to be performed for the above hours: Report/Reimbursement review, copy, bind and mail

Project Manager : 40 hours x $98.14 per hour = $3,925.60

Task to be performed for the above hours: Water Permitting; IEPA Water Correspondence

Geologist III : 60 hours x $95.96 per hour = $5,757.60

Task to be performed for the above hours: collect and analyzer bio data

Geologist III : 40 hours x $95.96 per hour = $3,838.40

Task to be performed for the above hours: perform TACO calculations

TOTAL = $57,353.64

This form must be submitted in duplicate.

IEMA No. 981987

H. EQUIPMENT COSTS

All equipment used must be listed below in a time and materials format. **Handling charges should not be added here; use Section J.**

Equipment	Own or Rent?	Time Used	Unit Rate	Total Cost/Item
Company Vehicle & mob @ site(per mile)	Own	460	$0.52	$239.20
data logger	own	1	$100.00	$100.00
well sampling equipmetn	own	2	$25.00	$50.00
				$0.00
				$0.00
				$0.00
				$0.00
				$0.00
				$0.00
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				$0.00
				$0.00

Total: $389.20

This form must be submitted in duplicate.

IEMA No. 981987

I. FIELD PURCHASES AND OTHER COSTS

All field purchases must be listed below in a time and materials format. **Handling Charges must not be added here; use Section J, Handling Charges to calculate the handling charges.**

Field Purchases	Quantity	Price/Item	Total Cost	Do Handling Charges Apply?

Subtotal page I-1 **$0.00**

I-1

This form must be submitted in duplicate.

IEMA No 981987

Other Costs - A listing and description of all other costs which will be/were incurred and are not specifically listed on this form should be attached. The listing should include a cost breakdown in a time and materials format.

Shooting four directional bores approximately 100 to 120 feet, pull back 2 inch perforated HDPE pipe and set one four foot diameter by ten feet deep structure, tie all pipes into the structure and rough restoration:	
Labor and Equipment:	**$31,515.00**
Material	**$34,712.00**
Water Permit	**$6,000.00**

Total Other Costs =	**$72,227.00**
Subtotal I-1 =	**$0.00**
Total pages I-1 and I-2:	**$72,227.00**

This form must be submitted in duplicate.

IEMA No. 981987

J. HANDLING CHARGES

Handling charges are eligible for payment on subcontractor billings and/or field purchases only if they are equal to or less than the amounts determined on the following table:

Subcontractor or Field **Purchase Cost**	Eligible Charges as a **Percentage Of Cost**
$1 - $5000	12%
$5,001 - $15,000	$600 + 10% of amt. Over $5,000
$15,001 - $50,000	$1,600 + 8% of amt. Over $15,000
$50,001 - $100,000	$4,400 + 5% of amt. Over $50,000
$100,001 - $1,000,000	$6,900 + 2% of amt. Over $100,000

A. Subcontractor Charges

Subcontractor	Section in these Forms where Cost is Listed	Subcontractor Amount
Hoerr Construction, Inc.	I	$66,227.00
IEPA - Water	I	$6,000.00
TMI Analytical	F	$4,346.84

Subtotal J-1 : $76,573.84

J-1

This form must be submitted in duplicate.

IEMA No. 981987

B. Field Purchases

Subcontractor	Section in these Forms where Cost is Listed	Subcontractor Amount

Subtotal Page J-2: $0.00

Subtotal of Pages J-1 and J-2: $76,573.84

Handling Charge*: **$5,728.69**

This form must be submitted in duplicate.

IEMA NO. 981987

L. HIGH PRIORITY CORRECTIVE ACTION

Corrective Action at High Priority Sites may involve both and soil and groundwater remediation. Below provide a summary of costs for the remediation type(s) chosen and attach the appropriate sections of the budget/billing forms to support the summary of costs.

A. Preparation of the Corrective Action Plan

1. Investigation Costs:	$0.00
2. Analysis Costs:	$0.00
3. Personnel Costs:	$13,767.22
4. Equipment Costs:	$0.00
5. Field Purchases and Other Costs:	$0.00
6. Handling Charges:	$0.00

B. Groundwater Remediation

1. Analysis Costs	$4,346.84
2. Personnel Costs:	$9,375.49
3. Equipment Costs:	$0.00
4. Field Purchases and Other Costs:	$81,292.12
5. Handling Charges:	$5,728.69

Of the above costs, please provide a break down of costs associated with operation and maintenance (O&M), if applicable, as requested below:

_____ Months of O&M x _____ per month = $0.00

C. Excavation and Disposal

1. Analysis Costs:	$0.00
2. Personnel Costs:	$0.00
3. Equipment Costs:	$0.00
4. Field Purchases and Other Costs:	$0.00
5. Handling Charges:	$0.00

Of the above costs, please provide a break down of the costs associated with excavation, transportation, and disposal as requested below:

Excavation:	0 yards x	$0.00 per yard =	$0.00
Transportation:	0 yards x	$0.00 per yard =	$0.00
Disposal:	0 yards x	$0.00 per yard =	$0.00

This form must be submitted in duplicate.

D. Alternative Technology, Type: N/A

1. Investigation costs: $0.00
2. Analysis Costs: $0.00
3. Personnel Costs: $0.00
4. Equipment Costs: $0.00
5. Field Purchases and Other Costs: $0.00
6. Handling Charges: $0.00

Of the above costs, please provide a break down of the following costs as requested below if applicable:

Excavation:	0 yards x	$0.00 per yard =	$0.00
Transportation:	0 yards x	$0.00 per yard =	$0.00
Treatment:	0 yards x	$0.00 per yard =	$0.00

Operation and Maintenance (O&M):

0 Months of O&M x $0.00 per month = $0.00

E. Backfill Costs

1. Personnel Costs:
2. Equipment Costs:
3. Field Purchases and Other Costs:
4. Handling Charges:

Of the above costs, please provide a break down of the following costs as requested below if applicable:

Type of backfill:

_____ yards x _____ per yard = $0.00

Type of backfill:

_____ yards x _____ per yard = $0.00

This form must be submitted in duplicate.

IEMA No. 981987

M. JUSTIFICATION FOR BUDGET AMENDMENTS

If this form is being submitted for an amendment, you must submit a narrative justifying the need for the amendment. If the amendment includes a revision in a corrective action proposal, a new proposal must be submitted.

Please see narrative attached in cover letter.

This page must be submitted in duplicate.

Owner/Operator and Professional Engineer Budget Certification Form for Leaking Underground Storage Tanks Sites

In accordance with 415 ILCS 5/57, if an owner or operator intends to seek payment from the UST Fund, an owner or operator must submit to the Agency, for the Agency's approval or modification, a budget which includes an accounting of all costs associated with the implementation of the investigative, monitoring and/or corrective action plans.

I hereby certify that I intend to seek payment from the UST Fund for performing High Priority Corrective Action activities at Warsaw, Howard LUST site. I further certify that the costs set forth in this budget are necessary activities and are reasonable and accurate to the best of my knowledge and belief. I also certify that the costs included in this budget are not for corrective action in excess of the minimum requirements of 415 ILCS 5/57 and no costs are included in this budget which are not described in the corrective action plan. I further certify that costs ineligible for payment from the Fund pursuant to 35 Illinois Administrative Code Section 732.606 are not included in the budget proposal or amendment. Such ineligible costs include but are not limited to:

Costs associated with ineligible tanks.
Costs associated with site restoration (e.g., pump islands, canopies).
Costs associated with utility replacement (e.g., sewers, electrical, telephone, etc.).
Costs incurred prior to IEMA notification.
Costs associated with planned tank pulls.
Legal defense costs.
Costs incurred prior to July 28, 1989.
Costs associated with installation of new USTs or the repair of existing USTs.

RECEIVED
JUN 18 2010
IEPA/BOL

Owner/Operator: John Warsaw Title: President

Signature: John Warsaw Date: 5 Feb 2010

Subscribed and sworn to before me the 5th day of February, 2010.
(Budget Proposals and Budget Amendments must be notarized when the certification is signed.)

Gaye Lynn Green (Notary Public)

Seal: OFFICIAL SEAL GAYE LYNN GREEN NOTARY PUBLIC - STATE OF ILLINOIS MY COMMISSION EXPIRES:04/02/13

P.E.: Penny Silzer Seal: PENNY L. SILZER NO. 196-000256 LICENSED PROFESSIONAL GEOLOGIST * ILLINOIS *

P.E. Signature: Penny Silzer Date: 2/23/2010

Subscribed and sworn to before me the 23rd day of February, 2010.
(Budget Proposals and Budget Amendments must be notarized when the certification is signed.)

Gaye Lynn Green (Notary Public)

Seal: OFFICIAL SEAL GAYE LYNN GREEN NOTARY PUBLIC - STATE OF ILLINOIS MY COMMISSION EXPIRES:04/02/13

The Agency is authorized to require this information under 415 ILCS 5/1. Disclosure of this information is required. Failure to do so may result in the delay or denial of any budget or payment requested hereunder This form has been approved by the Forms Management Center.

LEAKING UST TECHNICAL REVIEW NOTES

Reviewed by: Ransdell J
County
Date Reviewed: ~~1/2/05~~ 10/18/10
Cap/Bu Rec'd 6/18/10

File Heading: LPC #1790455007 -- Tazewell

Minier/Warsaw, Howard
Warsaw Itco/Rt. 122
Leaking UST Incident No. 981987
LUST Technical File

Document(s) Reviewed:
High Priority Corrective Action Plan/Budget (Amended) Rec'd 8/25/05 and Rejected

General Site Information: **MECRS**

Site subject to: 732

IEMA date(s): 8/11/98	Reimbursement (Y/N/unknown): Y
UST System removed (Y/N): Y	OSFM Fac. ID #:
Encountered Groundwater (Y/N/unknown): Y	SWAP mapping and evaluation completion date: 10/13/10
Free Product (Y/N/unknown): N	Site placement correct in SWAP (Y/N): Y
Current/Past Land Use: Gas Station	MTBE > 40 ppb in groundwater (Y/N/unknown): UNK
Size & Product of Tanks: (1) 2000 and (2) 550 Gas	

Division File Information:(optional) (Arranged chronologically)
20/45 SC II SCCOM HPCAP Site Notes Val Davis-JSR hand and computer and Docuware

Corrective Action Plan/Budget Review Notes: Rec'd 8/25/05
Current soil BTEX exceedences are B-2,3,4,5,7; MW-4 and T-6,7
Current groundwater exceedences is at MW-4 @ 1.1mg/L MW-1,2,3,5,6,7 remain clean
Since 2002 sampling and MW-4 might be clean since the January 24, 2005 event was
Not sampled

Are stating that the technology that will be used is Conventional and not Alternative, that is Using a horizontal pipe gallery and injecting it with some sort of Oxygen release compound for both soil and groundwater remediation. They need to remove source of contamination

A collection trench was approved previously approved Oct. 2003 when groundwater Contamination existed in MW-1, MW-4, MW-5, and MW-7 but now seems to have dissipated and soil may be the only issue. The Pipe Gallery proposed is at a cost of $39,750.00.
Requesting successful sites, T-1 through T-10 sampling locations, Appendix G, and Oxy agents.

RELEASABLE

OCT 14 2010

REVIEWER MD

Corrective Action Plan/Bu Rec'd 6/18/10

A. **CAP appears to be a repeat of the CAP denied 12/14/05. They wanted to place horizontal recovery wells across the site for soil and groundwater contamination with a recovery trench downgradient for collection and bio-remediation.**
B. **With the onset of the new Regulations O/O needs to re-evaluate site soil and groundwater contamination and prepare a CAP/BU that will allow the use of Institutional Controls, Engineered Barriers, and Ordinances and Tier II**
C. **Denial points from CAP/BU letter dated 12/14/05:**
    1. **Appendix G was not provided in the Plan which was to include equations, variables, and site specific CUO's (TACO Calculation and Results). The present CAP/BU dated 1/25/10 does not include them either.**
    2. **Soil sampling T-1 thru T-10 locations were not provided onto the site base map.**
D. **Site is not in a setback of a well**
E. **The City of Minier does not have a Groundwater Ordinance**
F. **Soil and groundwater exceedences can be addressed thru Insitutional Controls, Ordinances, Engineered barriers, HAA, and a Tier II evaluation for closure.**

Illinois EPA Recommendation/Comments:

Will Reject CAP/BU with citations from previous letter of 12/14/05. They will have to follow the new Regulations set forth on or after June 8, 2010. Attachment will be provided with letter

TAH:JSR

FILE NO. L 1790455007

EXEMPT DOCUMENT NO. 002

THE AGENCY HAS DETERMINED THIS DOCUMENT IS EXEMPT FROM PUBLIC DISCLOSURE

EXEMPT

DOCUMENT

FILE CATEGORY LUST/TECH

DOCUMENT DATE 06-18-2010

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
1021 North Grand Avenue East, P.O. Box 19276, Springfield, Illinois 62794-9276 • (217) 782-2829
James R. Thompson Center, 100 West Randolph, Suite 11-300, Chicago, IL 60601 • (312) 814-6026
PAT QUINN, GOVERNOR DOUGLAS P. SCOTT, DIRECTOR

217/782-6762

CERTIFIED MAIL

OCT 1 8 2010

7009 2820 0001 7491 6862

Howard Warsaw
Rt. 122
Minier, Illinois 61759

Re: LPC #1790455007 -- Tazewell County
Minier/Warsaw, Howard
Warsaw Itco/Rt.122
Leaking UST Incident No. 981987
Leaking UST Technical File

Dear Mr. Warsaw:

The Illinois Environmental Protection Agency (Illinois EPA) has reviewed the High Priority Corrective Action Plan (plan) submitted for the above-referenced incident. This information, dated January 25, 2010, was received by the Illinois EPA on June 18, 2010. Citations in this letter are from the Environmental Protection Act (Act) in effect prior to June 24, 2002, and 35 Illinois Administrative Code (35 Ill. Adm. Code).

Pursuant to Section 57.7(c)(4) of the Act and 35 Ill. Adm. Code 732.405(c), the plan is rejected for the following reason(s):

1. Appendix G was not provided in the Plan which was to include equations, variables, and site specific CUO's.
2. Soil sampling locations T-1 through T-10 were not provided on the site base map
3. The Corrective Action Plan must comply with the requirements of Title XVI of the Act, as amended by Public Act 92-0554 on June 24, 2002 and Public Act 96-0908 on June 8, 2010.

Pursuant to Sections 57.7(a)(1) and 57.7(c)(4) of the Act and 35 Ill. Adm. Code 732.405(e) and 732.503(b), the associated budget is rejected for the reasons listed in Attachment A.

Pursuant to 35 Ill. Adm. Code 732.401, the Illinois EPA requires submittal of a revised plan, and budget if applicable, within 120 days of the date of this letter to:

OCT 22 2010

Illinois Environmental Protection Agency
Bureau of Land - #24
Leaking Underground Storage Tank Section
1021 North Grand Avenue East
Post Office Box 19276
Springfield, IL 62794-9276

Please submit all correspondence in duplicate and include the Re: block shown at the beginning of this letter.

An underground storage tank system owner or operator may appeal this decision to the Illinois Pollution Control Board. Appeal rights are attached.

If you have any questions or need further information, please contact Jim Ransdell at 217/557-6938.

Sincerely,

Thomas A. Henninger
Unit Manager
Leaking Underground Storage Tank Section
Division of Remediation Management
Bureau of Land

TAH:JSR

Attachment: Attachment A and Attachment B

c: Midwest Environmental Consulting & Remediation Services, Inc.
BOL File

Attachment A

Re: LPC # 1790455007 -- Tazewell County
Minier/Warsaw, Howard
Warsaw Itco/Rt. 122
LUST Incident No. 981987
LUST Technical File

Citations in this attachment are from the Environmental Protection Act (Act) and 35 Illinois Administrative Code (35 Ill. Adm. Code).

Pursuant to Sections 57.7(a) and 57.7(c)(4) of the Act and 35 Ill. Adm. Code 732.405 and 732.503(b), the associated budget is rejected for the following reason:

A full financial review shall consist of a detailed review of the costs associated with each element necessary to accomplish the goals of the plan as required pursuant to the Act and regulations. Items to be reviewed shall include, but not be limited to, costs associated with any materials, activities, or services that are included in the budget plan. The overall goal of the financial review shall be to assure that costs associated with materials, activities, and services shall be reasonable, shall be consistent with the associated technical plan, shall be incurred in the performance of corrective action activities, and shall not be used for corrective action activities in excess of those necessary to meet the minimum requirements of the Act and regulations (Section 57.7(c)(4)(C) of the Act and 35 Ill. Adm. Code 732.505(c)).

Without an approvable plan, the proposed budget cannot be fully reviewed.

TAH:JSR

Attachment B
Technical Review

Re: LPC # 1790455007-- Tazewell County
Minier/Warsaw, Howard
Warsaw Itco/Rt. 122
Leaking UST Incident No. 981987
Leaking UST Technical File

Citations in this attachment are from the Environmental Protection Act (Act), as amended by Public Act 92-0554 on June 24, 2002, and 35 Illinois Administrative Code (35 Ill. Adm. Code).

1. In approving any plan submitted pursuant to Section 57.7(a) or (b) of the Act, the Illinois EPA shall determine, by a procedure promulgated by the Illinois Pollution Control Board (Board) under Section 57.14 of the Act, that the Costs associated with the plan are reasonable, will be incurred in the performance of site investigation or corrective action, and will not be used for site investigation or corrective action activities in excess of those required to meet the minimum requirements of Title XVI of the Act.

   For purposes of payment from the Fund, corrective action activities required to meet the Minimum requirements of Title XVI of the Act shall include, but not limited to, the following use of the Board's Tiered Approach to Corrective Action Objectives rules adopted under Title XVI of the Act:

   a. For the site where the release occurred, the use of Tier 2 remediation objective that Are no more stringent than Tier 1 remediation objectives.

   b. The use of industrial/commercial property remediation objectives, unless the owner or operator demonstrates that the property being remediated is residential property or being developed into residential property.

   c. The use of groundwater ordinances as institutional controls in accordance with Board rules.

   d. The use of on-site groundwater use restrictions as institutional controls in accordance with Board rules.

   (Section 57.7(c)(3)(A) of the Act)

2. In accordance with Section 57.13 of the Act, corrective action activities for leaking UST incidents for which a No Further Remediation Letter is issued on or after June 8, 2010, must comply with Title XVI of the Act, as amended by Public Act 92-0554 on June 24, 2002, and Public Act96-0908 on June 8, 2010. As such, then, pursuant to Section 57.7(c)(3)(A) of the Act, corrective action activitiesto achieve soil remediation objectives lower than the Tier 2 industrial/commercial soil remediation objectives or Tier 2 construction worker soil remediation objectives, whichever are most restrictive, are not eligible for payment from the Fund.

An underground storage tank owner or operator may appeal this final decision to the Illinois Pollution Control Board pursuant to Sections 40 and 57.7(c)(4) of the Act by filing a petition for a hearing within 35 days after the date of issuance of the final decision. However, the 35-day period may be extended for a period of time not to exceed 90 days by written notice from the owner or operator and the Illinois EPA within the initial 35-day appeal period. If the owner or operator wishes to receive a 90-day extension, a written request that includes a statement of the date the final decision was received, along with a copy of this decision, must be sent to the Illinois EPA as soon as possible.

For information regarding the filing of an appeal, please contact:

Dorothy Gunn, Clerk
Illinois Pollution Control Board
State of Illinois Center
100 West Randolph, Suite 11-500
Chicago, IL 60601
312/814-3620

For information regarding the filing of an extension, please contact:

Illinois Environmental Protection Agency
Division of Legal Counsel
1021 North Grand Avenue East
Post Office Box 19276
Springfield, IL 62794-9276
217/782-5544

7009 2820 0001 7491 6862

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Howard Warsaw
Rt. 122
Minier, IL 61759

PS Form 3800, August 2006 — See Reverse for Instructions

SENDER: COMPLETE THIS SECTION

- 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.

LUST 24

1. Article Addressed to:

Howard Warsaw
Rt. 122
Minier, IL 61759

COMPLETE THIS SECTION ON DELIVERY

A. Signature
X Rose Warsaw — ☒ Agent ☐ Addressee

B. Received by (Printed Name): Rose Warsaw

C. Date of Delivery: 10-21-2010

D. Is delivery address different from item 1? ☐ Yes
If YES, enter delivery address below: ☐ No

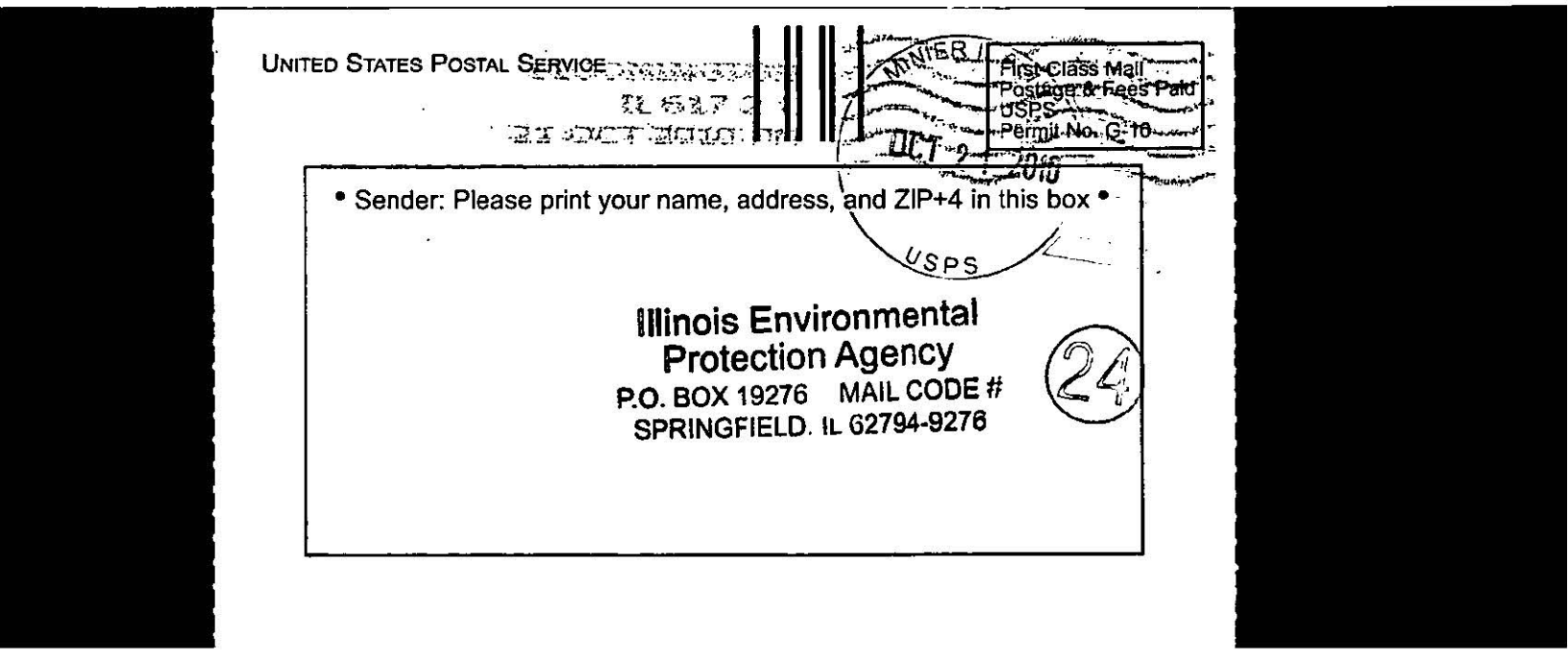
TAH/JR 981987

3. Service Type
☒ Certified Mail ☐ Express Mail
☐ Registered ☐ Return Receipt for Merchandise
☐ Insured Mail ☐ C.O.D.

4. Restricted Delivery? (Extra Fee) ☐ Yes

2. Article Number (Transfer from service label) 7009 2820 0001 7491 6862

PS Form 3811, February 2004 — Domestic Return Receipt — 102595-02-M-1540



155 1790455007-Tazewell
Warsaw, Howard
Kurt Teck

Ransdell

MIDWEST ENVIRONMENTAL CONSULTING & REMEDIATION SERVICES, INC.
22200 ILLINOIS ROUTE 9 POST OFFICE BOX 614
TREMONT, ILLINOIS 61568
PHONE NO. (309) 925-5551 FAX (309) 925-5606

LETTER OF TRANSMITTAL

TO: Illinois Environmental Protection Agency
1021 North Grand Avenue East, PO Box 19276
Springfield, Illinois 62794-9276
Attn: ~~Jason Dunnelly~~

DATE: November 16, 2010
JOB NO.: 9890
RE: Corrective Action Completion Report
Warsat ITCO
Route 122
Minier, IL

WE ARE SENDING YOU:

(X) REPORT ( ) LETTER ( ) CONTRACT & RATE SHEET

( ) MAP/DRAWINGS ( ) DOCUMENTS REQUIRING SIGNATURES

( ) REIMBURSEMENT DOCUMENTATION ( ) OTHER

COPIES	DESCRIPTION
2	Corrective Action Budget Amendment

THESE ARE TRANSMITTED AS CHECKED BELOW:

( ) REIMBURSEMENT SUBMITTAL (X) FOR APPROVAL ( ) AS NEEDED FOR REPORT

( ) COPY FOR YOUR RECORDS ( ) SIGNATURE REQUIRED ( ) AS REQUESTED

REMARKS:

Please find enclosed the above referenced documentation for your review.
Thank You.

RECEIVED
NOV 19 2010
IEPA/BOL

FROM: Gaye Lynn Green: Office Manager

Midwest Environmental Consulting & Remediation Services, Inc.

RELEASABLE
JUL 20 2011
REVIEWER MD

Midwest Environmental Consulting & Remediation Services Inc.
22200 Illinois Route 9 • P.O. Box 614
Tremont, IL 61568-0614
Phone: (309) 925-5551 • Fax: (309) 925-5606

November 8, 2010

Mr. Jim Ransdell
Illinois Environmental Protection Agency
Bureau of Land - #24
LUST Section
1021 North Grand Avenue East
Post Office Box 19276
Springfield, Illinois 62794-9276

Re: LPC #1790455007 – Tazewell County
Minier/Warsaw, Howard
Route 122
LUST Incident No. 981987
LUST Technical File

Dear Mr. Ransdell:

Attached please find the Corrective Action Plan and Budget Amendment for the subject site.

If you have any questions or comments, please contact our office.

Sincerely,

Midwest Environmental Consulting and Remediation Services, Inc.

Allan M. Green
President

PLS/glg
cc: Mr. Howard Warsaw
Attachments
Job No. 9890

Leaking Underground Storage Tank Program

High Priority Corrective Action Plan Amendment

Incident Location:
Warsaw - ITCO
Route 122
Minier, Illinois – Tazewell Co.

Prepared for:
John Warsaw
PO Box 886
Minier, Illinois 61759

Prepared by:
Midwest Environmental Consulting and Remediation Services, Inc.
22200 Illinois Route 9
Post Office Box 614
Tremont, Illinois 61568-0614
Contact: Allan Green – President

For Review by:
Illinois Environmental Protection Agency
Bureau of Land - #24
LUST Section
1021 North Grand Avenue East
Post Office Box 19276
Springfield, Illinois 62794-9276
Contact: Mr. Jim Ransdell

High Priority Corrective Action Plan Amendment

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IEPA CORRECTIVE ACTION PLAN FORM

Illinois Environmental Protection Agency
Leaking Underground Storage Tank Program
Corrective Action Plan

A. Site Identification

IEMA Incident # (6- or 8-digit): 981987 IEPA LPC# (10-digit): 1790455007

Site Name: Warsaw, Howard

Site Address (Not a P.O. Box): IL Rt 122

City: Minier County: Tazewell ZIP Code: 61759

Leaking UST Technical File

B. Site Information

1. Will the owner or operator seek reimbursement from the Underground Storage Tank Fund? Yes ☑ No ☐

2. If yes, is the budget attached? Yes ☑ No ☐

3. Is this an amended plan? Yes ☑ No ☐

4. Identify the material(s) released: gasoline

5. This Corrective Action Plan is submitted pursuant to:

   a. 35 Ill. Adm. Code 731.166 ☐

   The material released was:
   -petroleum ☐
   -hazardous substance (see Environmental Protection Act Section 3.215) ☐

   b. 35 Ill. Adm. Code 732.404 ☐

   c. 35 Ill. Adm. Code 734.335 ☑

C. Proposed Methods of Remediation

1. Soil TACO, evaluation of exposure pathways

2. Groundwater TACO, evaluation of exposure pathways

D. Soil and Groundwater Investigation Results (for incidents subject to 35 Ill. Adm. Code 731 only or 732 that were classified using Method One or Two, if not previously provided)

Provide the following:

1. Description of investigation activities performed to define the extents of soil and/or groundwater contamination;

2. Analytical results, chain-of-custody forms, and laboratory certifications;

3. Tables comparing analytical results to applicable remediation objectives;

4. Boring logs;

5. Monitoring well logs; and

6. Site maps meeting the requirements of 35 Ill. Adm. Code 732.110(a) or 734.440 and showing:
   a. Soil sample locations;
   b. Monitoring well locations; and
   c. Plumes of soil and groundwater contamination.

E. Technical Information - Corrective Action Plan

Provide the following:

1. Executive summary identifying the objectives of the corrective action plan and the technical approach to be utilized to meet such objectives;
   a. The major components (e.g., treatment, containment, removal) of the corrective action plan;
   b. The scope of the problems to be addressed by the proposed corrective action; and
   c. A schedule for implementation and completion of the plan;

2. Identification of the remediation objectives proposed for the site;

3. A description of the remedial technologies selected:
   a. The feasibility of implementing the remedial technologies;
   b. Whether the remedial technologies will perform satisfactorily and reliably until the remediation objectives are achieved; and
   c. A schedule of when the technologies are expected to achieve the applicable remediation objectives;

4. A confirmation sampling plan that describes how the effectiveness of the corrective action activities will be monitored during their implementation and after their completion;

5. A description of the current and projected future uses of the site;

6. A description of engineered barriers or institutional controls that will be relied upon to achieve remediation objectives:
   a. an assessment of their long-term reliability;
   b. operating and maintenance plans; and
   c. maps showing area covered by barriers and institutional controls;

7. The water supply well survey:
   a. Map(s) showing locations of community water supply wells and other potable wells and the setback zone for each well;
   b. Map(s) showing regulated recharge areas and wellhead protection areas;
   c. Map(s) showing the current extent of groundwater contamination exceeding the most stringent Tier 1 remediation objectives;
   d. Map(s) showing the modeled extent of groundwater contamination exceeding the most stringent Tier 1 remediation objectives;
   e. Tables listing the setback zone for each community water supply well and other potable water supply wells;
   f. A narrative identifying each entity contacted to identify potable water supply wells, the name and title of each person contacted, and any field observations associated with any wells identified; and
   g. A certification from a Licensed Professional Engineer or Licensed Professional Geologist that the survey was conducted in accordance with the requirements and that documentation submitted includes information obtained as a result of the survey (certification of this plan satisfies this requirement);

8. Appendices:
   a. References and data sources report that are organized; and
   b. Field logs, well logs, and reports of laboratory analyses;

9. Site map(s) meeting the requirements of 35 Ill. Adm. Code 732.110(a) or 734.440;

10. Engineering design specifications, diagrams, schematics, calculations, manufacturer's specifications, etc.;

11. A description of bench/pilot studies;

12. Cost comparison between proposed method of remediation and other methods of remediation;

13. For the proposed Tier 2 or 3 remediation objectives, provide the following:
   a. The equations used;
   b. A discussion of how input variables were determined;
   c. Map(s) depicting distances used in equations; and
   d. Calculations;

14. Provide documentation to demonstrate the following for alternative technologies:
   a. The proposed alternative technology has a substantial likelihood of successfully achieving compliance with all applicable regulations and remediation objectives;
   b. The proposed alternative technology will not adversely affect human health and safety or the environment;
   c. The owner or operator will obtain all Illinois EPA permits necessary to legally authorize use of the alternative technology;
   d. The owner or operator will implement a program to monitor whether the requirements of subsection (14)(a) have been met;
   e. Within one year from the date of Illinois EPA approval, the owner or operator will provide to the Illinois EPA monitoring program results establishing whether the proposed alternative technology will successfully achieve compliance with the requirements of subsection (14)(a); and
   f. Demonstration that the cost of alternative technology will not exceed the cost of conventional technology and is not substantially higher than at least two other alternative technologies, if available and technically feasible.

15. Property Owner Summary form.

F. Exposure Pathway Exclusion

Provide the following:

1. A description of the tests to be performed in determining whether the following requirements will be met:
   a. Attenuation capacity of the soil will not be exceeded for any of the organic contaminants;
   b. Soil saturation limit will not be exceeded for any of the organic contaminants;
   c. Contaminated soils do not exhibit any of the reactivity characteristics of hazardous waste per 35 Ill. Adm. Code 721.123;
   d. Contaminated soils do not exhibit a pH ≤ 2.0 or ≥ 12.5; and
   e. Contaminated soils which contain arsenic, barium, cadmium, chromium, lead, mercury, or selenium (or their associated salts) do not exhibit any of the toxicity characteristics of hazardous waste per 35 Ill. Adm. Code 721.124.

2. A discussion of how any exposure pathways are to be excluded.

G. Signatures

All plans, budgets, and reports must be signed by the owner or operator and list the owner's or operator's full name, address, and telephone number.

UST Owner or Operator

Name: Howard Warsaw
Contact: John Warsaw
Address: PO Box 886
City: Minier
State: IL
ZIP Code: 61759
Phone: (309) 648-3397
Signature: John D. Warsaw
Date: 11/18/10

Consultant

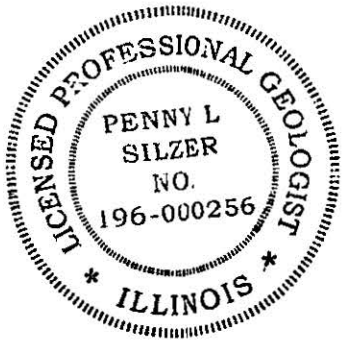
Company: Midwest Environmental Consulting
Contact: Mr. Allan Green
Address: 22200 IL Route 9, P.O. Box 614
City: Tremont
State: Illinois
ZIP Code: 61568
Phone: (309) 925-5551
Signature: Allan Green
Date: 11/8/10

I certify under penalty of law that all activities that are the subject of this plan were conducted under my supervision or were conducted under the supervision of another Licensed Professional Engineer or Licensed Professional Geologist and reviewed by me; that this plan and all attachments were prepared under my supervision; that, to the best of my knowledge and belief, the work described in this plan has been completed in accordance with the Environmental Protection Act [415 ILCS 5], 35 Ill. Adm. Code 731, 732 or 734, and generally accepted standards and practices of my profession; and that the information presented is accurate and complete. I am aware there are significant penalties for submitting false statements or representations to the Illinois EPA, including but not limited to fines, imprisonment, or both as provided in Sections 44 and 57.17 of the Environmental Protection Act [415 ILCS 5/44 and 57.17].

Licensed Professional Engineer or Geologist

Name: Penny Silzer
Company: Midwest Environmental
Address: 22200 IL Route 9, P.O. Box 614
City: Tremont
State: Illinois
ZIP Code: 61568
Phone: (309) 925-5551
Ill. Registration No.: 196-000256
License Expiration Date: 03/31/11
Signature: Penny Silzer
Date: 11/8/10

L.P.E. or L.P.G. Seal



SECTION D

BACKGROUND/CORRECTIVE ACTION IMPLEMENTATION REPORT

This portion of the report follows the Illinois Environmental Protection Agency (IEPA) Corrective Action Plan Form (IL 532 2287; LPC 513) dated March 2006.

Section D. Soil and Groundwater Investigation Results

1. Description of investigation activities performed to define the extents of soil and/or groundwater contamination.

The subject site is currently a gasoline service station located on Route 122 in Minier, Illinois. The area is developed for commercial, residential and agricultural use. An area map is provided in Figure 1.

Three underground storage tanks (USTs) were removed from the site on July 6, 1999. The three tanks (1-2,000 gallon, 2-500 gallon) were used for gasoline. Details of the UST removal/free product removal activities can be found in the Report of Early Action/ Amended 45–Day Report dated August 31, 1999 and the Free Product Removal Report dated August 26, 1999, previously submitted to IEPA.

Between May 2000 and August 2001, Midwest Environmental Consulting and Remediation Services, Inc. (MECRS) installed seven groundwater monitoring wells (MW-1 through MW-7) and drilled seven soil borings (B-1 through B-7). Additional soil samples were collected from a recovery trench installed in October 2003 (T-1 through T-10).

2. Analytical results, chain-of-custody forms and laboratory certifications.

All analytical laboratory reports, chain of custody forms and laboratory certifications for data collected have been submitted to the IPEA in previous reports.

3. Tables comparing results to applicable remediation objectives.

Please see Tables 1 and 2.

4. Boring Logs

All boring logs have been submitted to the IPEA in previous reports.

5. Monitoring Well Logs

All monitoring well logs have been submitted to the IEPA in previous reports.

6. Site maps meeting the requirements of 35 Ill. Admin. Code 732.110(a) or 734.440 and showing:
   a. Soil Sample Locations
   b. Monitoring Well Locations
   c. **Plumes of soil and groundwater contamination**

Please see Figures 1 through 4.

SECTION E

TECHNICAL INFORMATION – CORRECTIVE ACTION PLAN

Section E. Technical Information – Corrective Action Plan

Provide the following:

1. **Executive summary identifying the objectives of the corrective action plan and the technical approach to be utilized to meet such objectives:**
   a. **The major components (e.g., treatment, containment, removal) o f the corrective action plan**
   b. **The scope of the problems to be addressed by the proposed corrective action; and**
   c. **A schedule for implementation and completion of the plan.**

Installation of a groundwater recovery trench and aeration treatment took place in October 2003. Site visits have been conducted on a monthly basis for the purpose of monitoring the system progress, conduct routine operation and maintenance, and to take influent and effluent samples (if applicable). Since installation of the groundwater treatment system, groundwater has passed through the treatment system only during years of above average rainfall. The groundwater treatment system operated from 2003 until October of 2007 when the system was hit by a car and rendered inoperable. The system was repaired and restarted in March of 2009. The system operated from March of 2009 until July 2009 when the blower motor burned out. The system is currently down while the blower motor is being rebuilt.

MECRS presented alternatives to the IEPA to enhance the system in 2005 and 2010. The IEPA has yet to approve any of the plans.

Corrective action activities began at this site in August of 2000. Since that time, the IEPA's overall approach to corrective action has changed, relying more on the Tiered Approach to Cleanup Objectives (TACO) regulations and the use of engineered barriers and institutional controls. It appears that the site may meet the criteria for "No Further Action" by invoking engineered barriers and by establishing engineered barriers.

The following engineered barriers and institutional controls are proposed for the site to address all residual contamination by limiting human exposure to contaminants in excess of Tier 1 CUOs:

1. MECRS will propose to the Village of Minier that the Village adopt a groundwater use restriction ordinance which meets the criteria for approval as an institutional control. If the Village adopts the ordinance, in accordance with 742.1015, groundwater models will be calculated to identify the properties under which groundwater may potentially be located which exceeds the applicable groundwater remediation objectives. Collection of additional site specific parameters will be necessary to calculate the groundwater models. A copy of the request sent to the Village of Minier for a groundwater use restriction ordinance is provided in Appendix A. A draft copy of the property owner notification letter is presented in Appendix D.

2. MECRS will request a Highway Authority Agreement (HAA) with the Illinois Department of Transportation (IDOT) to address the potential for contamination under Ill. Rt. 122 adjacent to the site. A copy of the HAA request is included in Appendix B.

3. The concrete at the site will be designated as an engineered barrier to eliminate inhalation and ingestion exposure pathways.

4. The site will be limited to industrial/commercial use.

5. A environmental land use control (ELUC) will be required with the property located to the east of the site. A draft copy of the ELUC is provided in Appendix C.

6. A construction worker precautionary statement is requested to be included in the "No Further Remediation" letter.

The time required for the Village of Minier to adopt a groundwater use restriction ordinance is undetermined. Collection of the required site specific data required to calculate the groundwater models can be completed immediately upon receipt of approval of this plan. Groundwater models will be calculated once the data has been received. Letters to property owners will be sent after the Village adopts a groundwater use restriction ordinance and the models have been calculated. Based on previous experiences with IDOT, it will take 12 to 18 months for IDOT to review and approve the HAA. An ELUC will be requested from neighboring property owner where soil contamination in excess of Tier 1 CUOs is present. With the exception of the HAA, the tasks listed above will be completed within 60 days of receipt of approval of this plan.

2. Identification of the remediation objectives proposed for the site.

All exposure routes can be eliminated on-site. Remediation objectives need not be calculated.

Tier 1 Cleanup objectives apply to all off-site soil and groundwater.

3. A description of the remedial technologies selected:
   a. The feasibility of implementing the remedial technologies
   b. Whether the remedial technologies will perform satisfactorily and reliably until the remediation objectives are achieved, and
   c. A schedule of when the technologies are expected to achieve the applicable remediation objectives.

Does Not Apply.

4. A confirmation sampling plan that describes how the effectiveness of the corrective action activities will be monitored during their implementation and after their completion.

Other than collection of site specific TACO parameters, no additional sampling is necessary.

5. A description of the current and projected future uses of the site.

The site is an active gas station. There are no current plans for a change in use of the property.

6. **A description of engineered barriers or institutional controls that will be relied upon to achieve remediation objectives.**
   a. **an assessment of their long-term reliability**
   b. **operating and maintenance plans, and**
   c. **maps showing area covered by barriers and institutional controls**

The following institutional controls are proposed for the site:

1. Village of Minier Groundwater Use Restriction Ordinance
2. Highway Authority Agreement with IDOT
3. ELUC with the property owner to the east of the site.
4. Industrial/Commercial Land Use Restriction
5. A Construction Worker Precautionary statement in the NFR letter

The following engineered barriers are proposed for the site:
1. The Building
2. The pavement

The areas covered by engineered barriers and institutional controls are shown in Figures 5 and 6, respectively.

A copy of the request for the Village Of Minier to consider a groundwater use restriction ordinance is provided in Appendix A. A copy of the HAA request sent to IDOT is provided in Appendix B. A draft copy of the ELUC is presented in Appendix C.

7. **The Water Supply Well Survey**
   a. **Map(s) showing locations of community water supply wells and other potable wells and the setback zone for each well;**
   b. **Map(s) showing regulated recharge areas and wellhead protection areas;**
   c. **Map(s) showing the current extent of groundwater contamination exceeding the most stringent Tier 1 remediation objectives;**
   d. **Map(s) showing the modeled extent of groundwater contamination exceeding the most stringent Tier 1 remediation objectives;**
   e. **Tables listing the setback zone for each community water supply well and other potable water supply wells;**
   f. **A narrative identifying each entity contacted to identify potable water supply wells, the name and title of each person contacted, and any field observations associated with any wells identified;**
   g. **A certification form a Licensed Professional Engineer of Licensed Professional Geologist that the survey was conducted in accordance with the requirements and that documentation submitted includes information obtained as a result of the survey (certification of this plan satisfies the requirement).**

The water supply well survey was presented to the IEPA in the Site Classification Completion Report dated July 14, 2000 as provided below:

The population of Minier, Illinois is estimated to be 1,155. The area surrounding the subject site has been developed for light industrial, commercial and residential use. Water for the area is supplied by the municipal supply. Water quality is reported as good. No reports of petroleum contamination of the area water supply have been recorded.

Research completed by MECRS indicates that the former UST system is not located within 2,500 feet of any community water supply wells. Communication between MECRS, the Illinois State Water Survey (ISWS), the Illinois Environmental Protection Agency-Division of Public Water Supply (IEPA), the Village of Minier, and the Illinois State Geological Survey (ISGS) confirms that the former UST system located at the subject site does not pose a threat to community or potable water supply wells (see attached documents in Appendix E).

Research by the ISWS of the Public-Industrial-Commercial (PICS) Database indicates that there are no industrial/commercial water supply wells located within 2,500 feet of the site. Information from the IEPA-Division of Public Water Supply (DPWS) confirms that the site is located outside 2,500 feet radius of any community water supply well. Information from the IEPA-DPWS also confirms that there have not been any regulated recharge areas established pursuant to Section 17.3 of the Illinois Environmental Protection Act. The IEPA-DPWS also confirms that no Class III Groundwater has been designated in the vicinity of the site.

Mr. Robert Cremeens of the Village of Minier was contacted. Mr. Creemens indicated the water supply for the city comes from two wells located greater than 2,500 feet from the subject site. The setback zones for these wells are 200 feet. Minier has a local ordinance against the use of private wells within the village limits. All water for city residents must be purchased from the municipal supply.

A detailed well survey including well chart and map can be found in Appendix E.

8. Appendices;
   a. References and data sources report that are organized, and;
   b. Field logs, well logs and reports of laboratory analyses:

Please see Appendices A through G.

9. Site map(s) meeting the requirements of 35 Ill. Admin. Code 732.110(a) or 734.440;

Please see Figures 1 through 6.

10. Engineering design specifications, diagrams, schematics, calculations, manufacturer's specification, etc.;

Does not apply.

11. A description of bench/pilot studies;

Does not apply.

12. Cost comparison between proposed method of remediation and other methods of remediation;

Does not apply.

13. For the proposed Tier 2 or 3 remediation objectives, provide the following:

a. The equations used;
b. A discussion of how input parameters were determined
c. Map(s) depicting distances used in equations; and
d. **Calculations**

Groundwater models will be calculated for soil sample locations where concentrations of COCs exceed the Tier 1 CUOs for the soil component of the groundwater ingestion route using equations R14 and R26 and for groundwater samples were concentrations of COCs exceed the Tier 1 CUOs for the groundwater component of the groundwater ingestion route using equation R26.

The following data is needed to complete calculation of the groundwater model:

The groundwater monitoring wells where benzene is present have not been sampled since February 2, 2002. MECRS proposes to resample monitoring wells MW-4 and MW-7 to gather current groundwater chemical data. The samples will be analyzed for BTEX. Depth to groundwater levels will be measured in all wells at the same time monitoring wells MW-4 and MW-7 are sampled for determination of groundwater flow direction and gradient.

In-site hydraulic conductivity testing will be conducted by means of a slug test to more accurately determine hydraulic conductivity.

The following subsurface soil data is needed to complete calculation of the groundwater model:

Parameter	**Value**	**Source**
pH	No Value	To be determined
organic carbon content of soil (f_{oc})	2.55%	Lab 8/23/01
Hydraulic Conductivity (K)	No Value	To be determined
Gradient (i)	No Value	To be determined
Soil bulk density (ρ_s)	1.77 g/cm^3	Lab 9/4/01
soil particle density	No Value	To be determined
Moisture content	17.1%	Lab 9/4/01

A soil sample will be collected from a hand auger boring from three feet below ground surface (bgs) and will be analyzed for pH, soil particle density and moisture content. A slug test for determining hydraulic conductivity will be conducted in monitoring well MW-1 where the sandy water bearing zone is the thickest. Groundwater levels will be measured to determined the gradient. The proposed hand auger boring location is shown in Figure 7. Copies of the laboratory reports for the TACO parameters previously collected are provided in Appendix F. The costs associated with the data collection is presented in the budget amendment in Appendix G.

All input parameters, equations used and calculations will be presented to the IEPA in the next report.

14. Provide documentation to demonstrate the following for alternative technologies:

- **a. The proposed alternative technology has a substantial likelihood of successfully achieving compliance with all applicable regulations and remediation objectives;**
- **b. The proposed alternative technology will not adversely affect human health and safety or the environment;**
- **c. The owner or operator will obtain all Illinois EPA permits necessary to legally authorize use of the alternative technology;**
- **d. The owner or operator will implement a program to monitor whether the requirements of subsection (14)(a) have been met;**
- **e. Within one year from the date of Illinois EPA approval, the owner or operator will provide to the Illinois EPA monitoring program results establishing whether the proposed alternative technology will successfully achieve compliance with the requirements of subsection (14)(a); and**
- f. **Demonstration that the cost of alternative technology will not exceed the cost of conventional technology and is not substantially higher than at least two other alternative technologies, if available and technically feasible;**

Does Not Apply.

15. Property Owner Summary form.

The Owner Summary form will be included in the forms section of the Corrective Action Completion Report.

SECTION F

EXPOSURE PATHWAY EXCLUSION

F. Exposure Pathway Exclusion

Provide the following:

1. A description of the test to be performed in determining whether the following requirements will be met:

a. Attenuation capacity of the soil will not be exceeded for any of the organic contaminants;

The attenuation capacity of the soil is 2550 ppm based on the natural organic carbon content (foc) determined by lab and reported to the IEPA in the Corrective Action Plan dated January 29, 2002. The maximum sum of the organic contaminant concentrations in one sample is 299 ppm found in soil sample B-2, 8 to 10 ft bgs.

b. Soil saturation limit will not be exceeded for any of the organic contaminants

COC	Max Concentration	C_{sat}
Benzene	11.6 ppm	870 ppm
Toluene	42.7 ppm	650 ppm
Ethylbenzene	47 ppm	400 ppm
Xylenes	190 ppm	320 ppm

Soil saturation limits have not been exceeded.

c. Contaminated soils do not exhibit any of the reactivity characteristics of hazardous waste per 35 Ill. Admn. Code 721.123;
d. Contaminated soils do not exhibit a pH $\leq$2.0 or $\geq$ 12.5; and
e. Contaminated soils which contain arsenic, barium, cadmium, chromium, lead, mercury, or selenium (or their associated salts) do no exhibit any of the toxicity characteristics of hazardous water per 35 Ill. Adm. Code 721.124.

The soil does not exhibit any of the characteristics of reactivity for hazardous waste. The contaminants of concern are petroleum hydrocarbon related. Metals are not contaminants of concern for this site. Concentrations of petroleum hydrocarbons in soil at the site are considered non-hazardous. Soil from the site was accepted at Tazewell RDF as declassified special waste under profile number SM3229.

2. A discussion of how nay exposure pathways are to be excluded.

All residential exposure scenarios can be eliminated by limiting the site to industrial/commercial use in the "No Further Remediation" (NFR) letter.

The industrial/commercial soil inhalation and ingestion exposure pathways can be eliminated by designating the pavement and the building as engineered barriers. The location of the engineered barrier is shown in Figure 5.

The groundwater ingestion pathway will be eliminated if the Village of Minier adopts the proposed groundwater use restriction ordinance.

The construction work soil inhalation and ingestion exposure pathways can be eliminated by including a construction worker precautionary statement in the NFR letter.

SECTION G

BUDGET SUMMARY

G. Budget Summary

The attached budget includes anticipated costs associated with the work proposed in this CAP and for personnel time associated with the following complete tasks:

1. Costs associated with obtaining an air permit.
2. Costs associated with obtaining a sewer discharge permit.
3. Costs associate with researching alternatives for enhancing the treatment system due to the slow of groundwater recovery.

TABLE 1

SOIL ANALYTICAL DATA

TABLE 1.
Soil Analytical Results
Warsaw-ITCO
Minier, IL

Sample ID:	Sample Date	Benzene	Toluene	Ethylbenzene	Xylenes (total)	Total BTEX
B-1, 8-10'	5/3/2000	<2.0	<2.0	<2.0	<5.0	<11.0
B-2, 4-6'	5/3/2000	**810**	1,300	1,700	**6,500**	10,310
B-2, 6-8'	5/3/2000	600	220	420	1,900	3,140
B-2, 8-10'	5/3/2000	**21,000**	**41,000**	**47,000**	**190,000**	**299,000**
B-3, 6-8'	5/3/2000	**400**	120	210	460	1,190
B-3, 8-10'	5/3/2000	**2,300**	2,100	**31,000**	**110,000**	145,400
MW-1, 6-8'	5/4/2000	<2.0	<2.0	<2.0	<5.0	<11.0
MW-2, 8-10'	5/3/2000	<2.0	<2.0	<2.0	<5.0	<11.0
MW-3, 8-10'	5/3/2000	<2.0	<2.0	6	<5.0	<14.7
MW-4, 4-6'	5/4/2000	**230**	220	870	2,500	3,820
MW-4, 6-8'	5/4/2000	**300**	1,200	5,400	**20,000**	26,900
B-4, 0.5-2.5'	8/23/2001	8.1 M	19.0 M	44.7 M	77.2 M	149 M
B-4, 4-6'	8/23/2001	**11,600 ME**	**42,700 ME**	9,720 ME	**38,000 ME**	102,020 ME
B-5, 6-8'	8/23/2001	49	186 E	38	130	403
B-6, 4-6'	8/23/2001	19.5	53.4	31.3	89.8	194.0
B-6, 8-10'	8/23/2001	7.1	12.3	<2.4	10.9	<32.3
B-7, 8-10'	8/23/2001	16.7 M	61.5 M	13.9 M	39.5 M	131.6 M
B-7, 12-14'	8/23/2001	**754.0**	<61.3	<61.3	<153	<1,029.6
MW-5, 8-10'	8/23/2001	**494 M**	4,750 M	5,890 M	**7,570 M**	18,704 M
MW-6, 6-8'	8/23/2001	6.5	12.4	6.3	11.3	36.5
MW-7, 4-6'	8/23/2001	11.7	25.1	10.8	20.0	67.6
MW-7, 8-10	8/23/2001	15.5 M	20.2 M	6.8	11.8	54.3
T-1	10/20/2003	<2.6	3.2	<2.6	<6.5	<14.9
T-2	10/20/2003	<2.6	<2.6	<2.6	<6.5	<14.3
T-3	10/20/2003	<2.4	5.1	5.1	14.2	<26.8
T-4	10/20/2003	<2.4	<2.4	<2.4	<5.9	<13.1
T-5	10/20/2003	3.4	40.8	360.0	947.0	1,351.2
T-6	10/20/2003	**85.3**	635.0	1,840.0	**7,140.0**	9,700.3
T-7	10/20/2003	**85.5**	43.8	1,120.0	2,460.0	3,709.3
T-8	10/20/2003	<2.5	6.6	18.9	56.8	<84.8
T-9	10/20/2003	<2.4	<2.4	<2.4	<6.1	<13.3
T-10	10/20/2003	<2.5	<2.5	<2.5	<6.2	<13.7

Notes:

1. All results in parts per billion (ppb).
2. IEPA Tier 1 Residential Cleanup Objectives

Benzene	Toluene	Ethylbenzene	Xylenes (total)
30	12,000	13,000	5,600

3. All bolded values are above Tier 1 Residential Cleanup Objectives
4. M = Matrix interferences identified
5. E = Estimated

TABLE 2

GROUNDWATER ANALYTICAL DATA

Table 2: Groundwater Analytical Data

Warsaw ITCO

Minier, Illinois

Sample #	Date	DTW	GWE	Benzene	Toluene	E-benzene	Xylenes	Total BTEX
MW-1	Elevation Top of Casing =		99.62					
SC	5/12/2000	5.89	93.73	4.3	<1.0	<1.0	<3.0	<9.3
1	10/24/2000	7.76	91.86	2.4	<1.0	<1.0	<3.0	<7.4
2	8/23/2001	6.76	92.86	524 E	<2.0	<2.0	<5.0	<533 E
3	11/13/2001	6.26	93.36	<2.0	<2.0	<2.0	<5.0	<11.0
4	2/14/2002	5.41	94.21	<1.0	<1.0	<1.0	<3.0	<6.0
5	1/24/2005	4.65	94.97	NS	NS	NS	NS	NS
MW-2	Elevation Top of Casing =		99.28					
SC	5/9/2000	5.51	93.77	<1.0	<1.0	<1.0	<3.0	<6.0
1	10/24/2000	7.52	91.76	<1.0	<1.0	<1.0	<3.0	<6.0
2	8/23/2001	4.35	94.93	2.6 M	<2.0 M	<2.0	7.1	<13.7
3	11/13/2001	6.01	93.27	<2.0	<2.0	<2.0	<5.0	<11.0
4	2/14/2002	5.12	94.16	<1.0	<1.0	<1.0	<3.0	<6.0
5	1/24/2005	4.38	94.90	NS	NS	NS	NS	NS
MW-3	Elevation Top of Casing =		100					
SC	5/9/2000	6.09	93.91	<1.0	<1.0	<1.0	<3.0	<6.0
1	10/24/2000	8.04	91.96	<1.0	<1.0	<1.0	<3.0	<6.0
2	8/23/2001	6.22	93.78	<2.0	<2.0	<2.0	<5.0	<11.0
3	11/13/2001	6.20	93.80	<2.0	<2.0	<2.0	<5.0	<11.0
4	2/14/2002	5.37	94.63	<1.0	<1.0	<1.0	<3.0	<6.0
5	1/24/2005	4.34	95.66	NS	NS	NS	NS	NS
MW-4	Elevation Top of Casing =		99.84					
SC	5/9/2000	5.90	93.94	2,600	12,000	4,500	18,000	37,100
1	10/24/2000	7.80	92.04	2,300	5,200	4,000	13,000	24,500
2	8/23/2001	6.67	93.17	2,290 M	2,380 M	8,150	23,600 E	36,420 E
3	11/13/2001	6.11	93.73	1,910	3,960	3,360	10,000	19,230
4	2/14/2002	5.00	94.84	1,100	1,200	2,900	5,500	10,700
5	1/24/2005	4.47	95.37	NS	NS	NS	NS	NS
MW-5	Elevation Top of Casing =		99.57					
SC	5/9/2000	--	--	--	--	--	--	--
1	10/24/2000	--	--	--	--	--	--	--
2	8/23/2001	4.82	94.75	78.3 M	2.4 M	23.9	26.3	130.9
3	11/13/2001	5.67	93.90	<2.0	<2.0	<2.0	<5.0	<11.0
4	2/14/2002	4.71	94.86	1.4	2.2	1.5	4.5	9.6
5	1/24/2005	3.89	95.68	NS	NS	NS	NS	NS
MW-6	Elevation Top of Casing =		99.37					
SC	5/9/2000	--	--	--	--	--	--	--
1	10/24/2000	--	--	--	--	--	--	--
2	8/23/2001	6.55	92.82	4.1	<2.0	<2.0	10.4	<18.5
3	11/13/2001	5.59	93.78	<2.0	<2.0	<2.0	<5.0	<11.0
4	2/14/2002	4.71	94.66	<1.0	<1.0	<1.0	<3.0	<6.0
5	1/24/2005	WELL ICED OVER		NS	NS	NS	NS	NS
MW-7	Elevation Top of Casing =		100.07	WELL DESTROYED AT TIME OF 1/25/05 DTW MEASUREMENT				
SC	5/9/2000	--	--	--	--	--	--	--
1	10/24/2000	--	--	--	--	--	--	--
2	8/23/2001	7.28	92.79	<2.0	<2.0	<2.0	5.9	<11.9
3	11/13/2001	6.23	93.84	117 E	<2.0	<2.0	<5.0	<126 E
4	2/14/2002	5.52	94.55	7	<1.0	<1.0	<3.0	<12.0
5	1/24/2005	--	--	NS	NS	NS	NS	NS

1. All results reported in ug/kg (i.e. parts per billion, ppb)
2. IEPA Tier 1 Cleanup Objectives (ug/kg):

Benzene	Toluene	Ethylbenzene	Xylenes
5	1,000	700	10,000

3. -- = No data available
4. MDL = Method Detection Limit
5. DTW = Depth to Water
6. GWE = Groundwater Elevation referenced to datum point
7. NA/NS = Not analyzed/not sampled this event
8. E = Estimated - value outside linear range
9. M = Matrix interferences identified.

FIGURE 1

AREA MAP

Figure 1. Area Map, Warsaw ITCO, Minier, Illinois

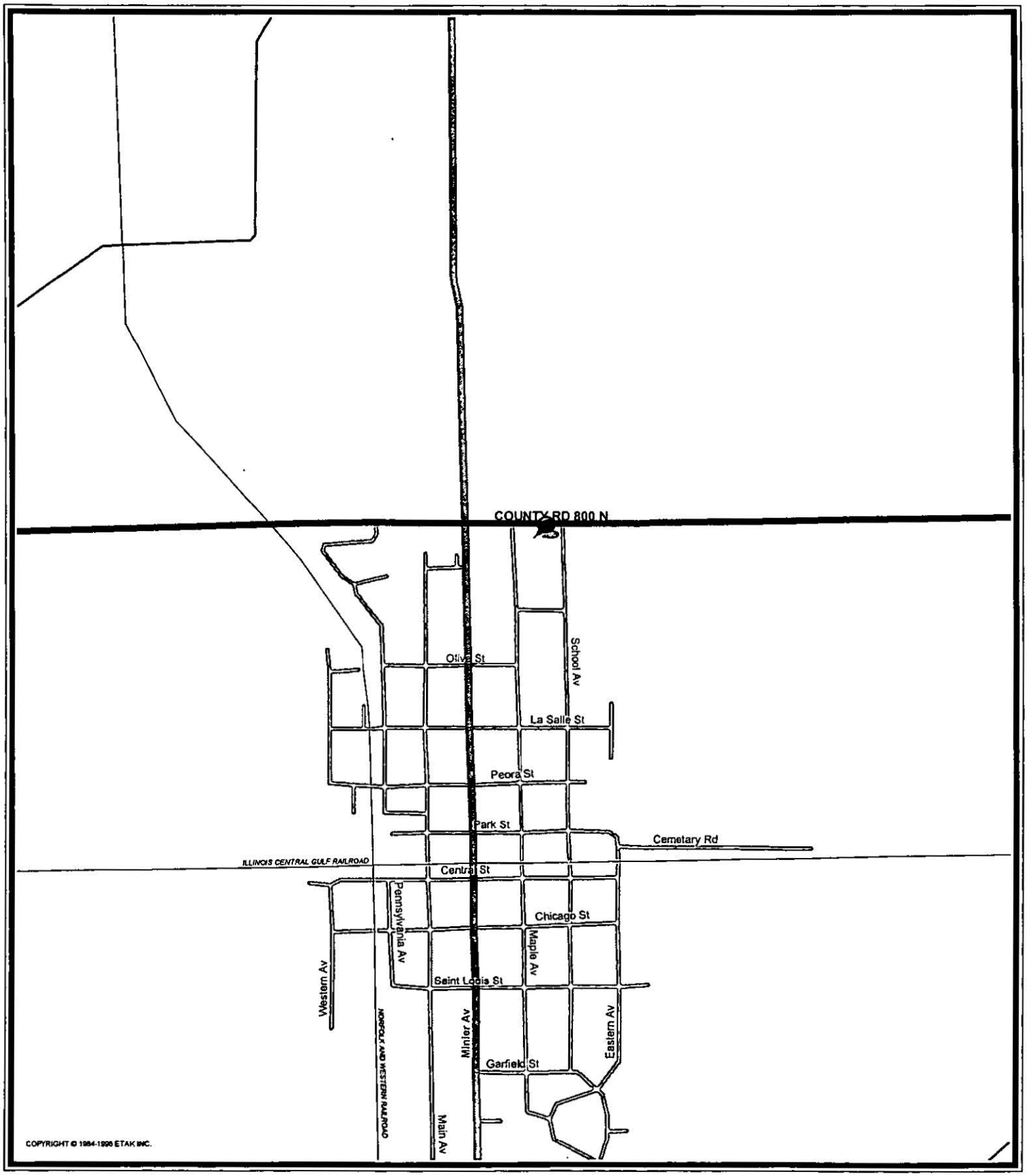


FIGURE 2

MONITORING WELL AND SOIL BORING LOCATION MAP

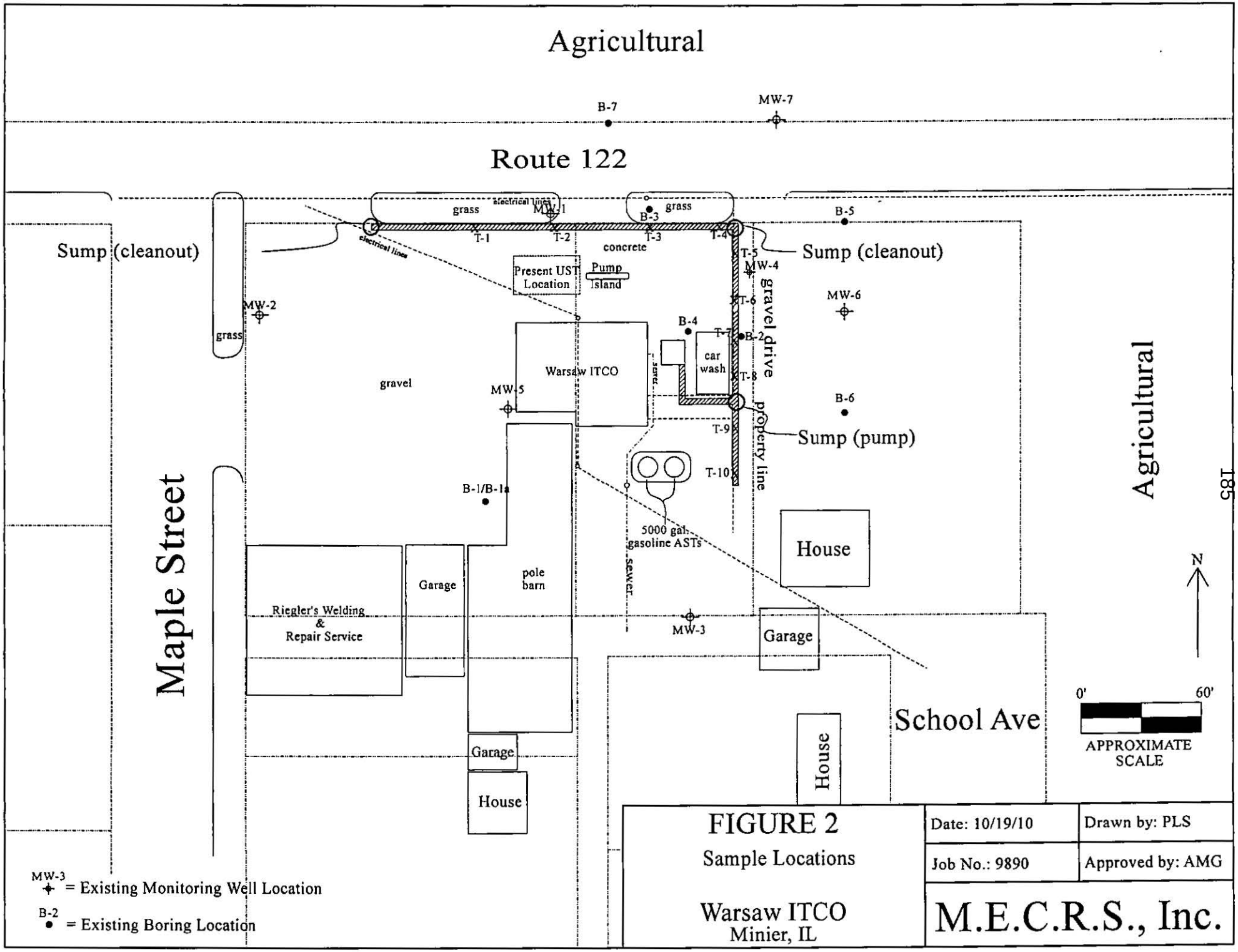


FIGURE 3

EXTENT SOIL CONTAMINATION

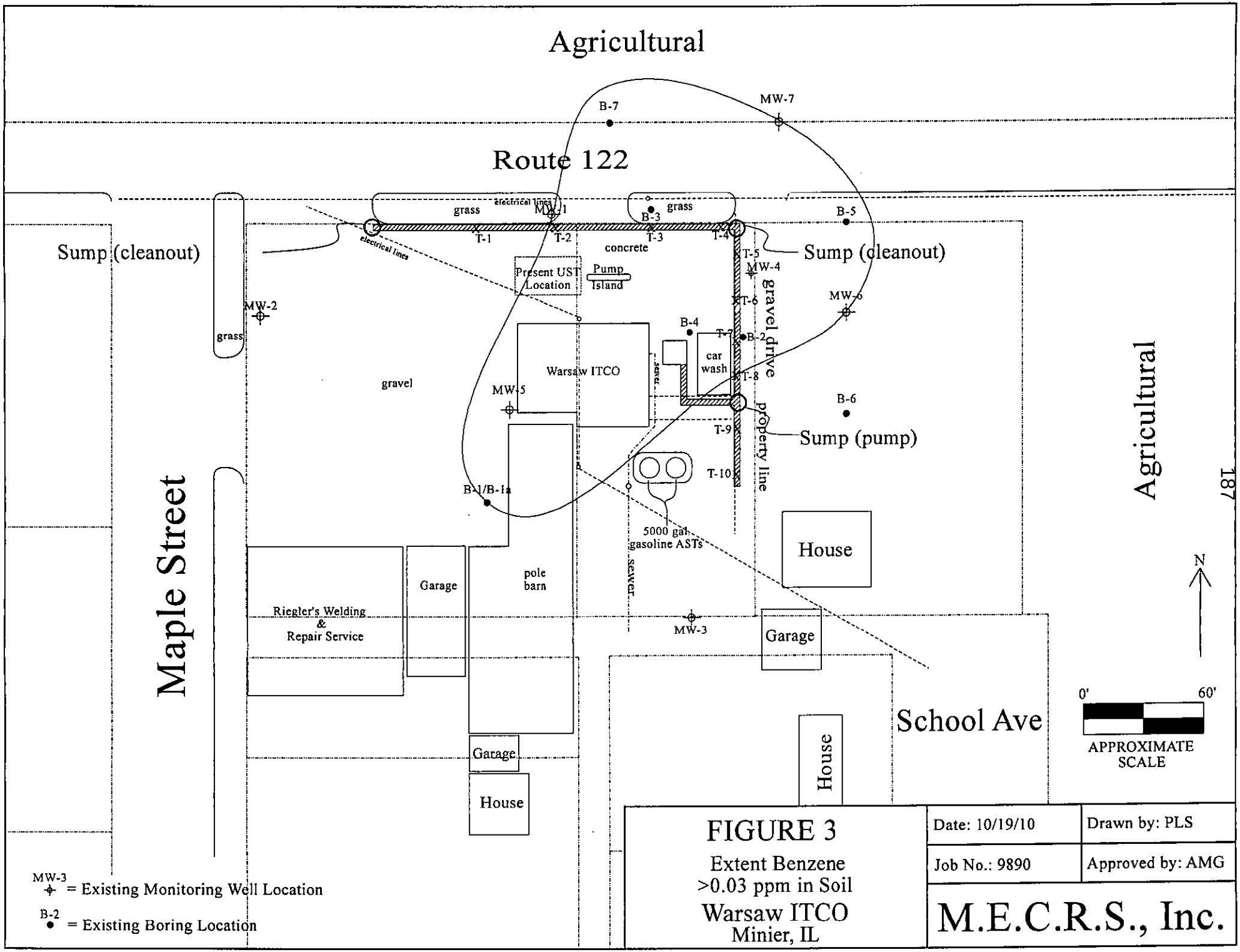


FIGURE 3

Extent Benzene >0.03 ppm in Soil

Warsaw ITCO

Minier, IL

Date: 10/19/10	Drawn by: PLS
Job No.: 9890	Approved by: AMG

M.E.C.R.S., Inc.

FIGURE 4

EXTENT GROUNDWATER CONTAMINATION

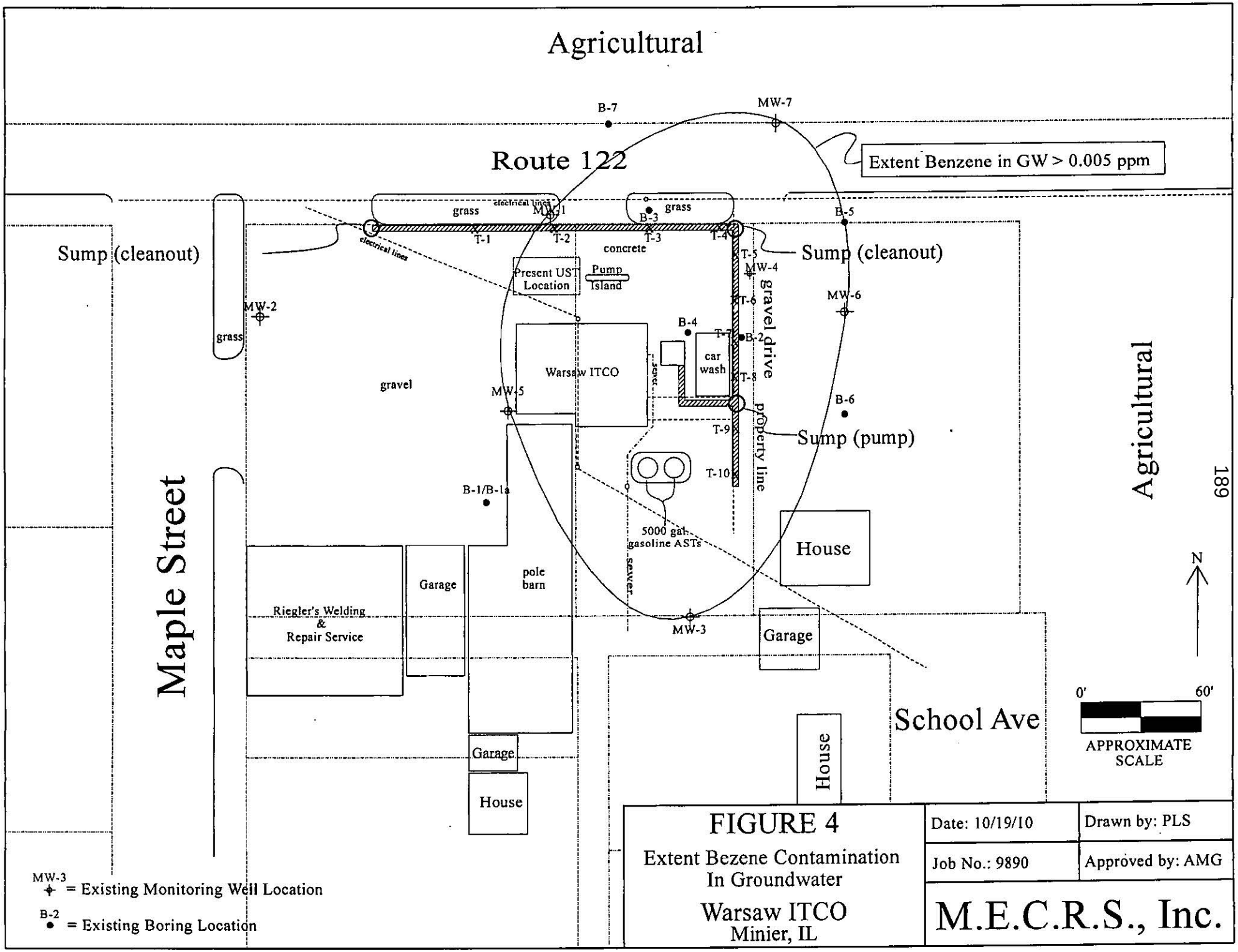


FIGURE 5

ENGINEERED BARRIER

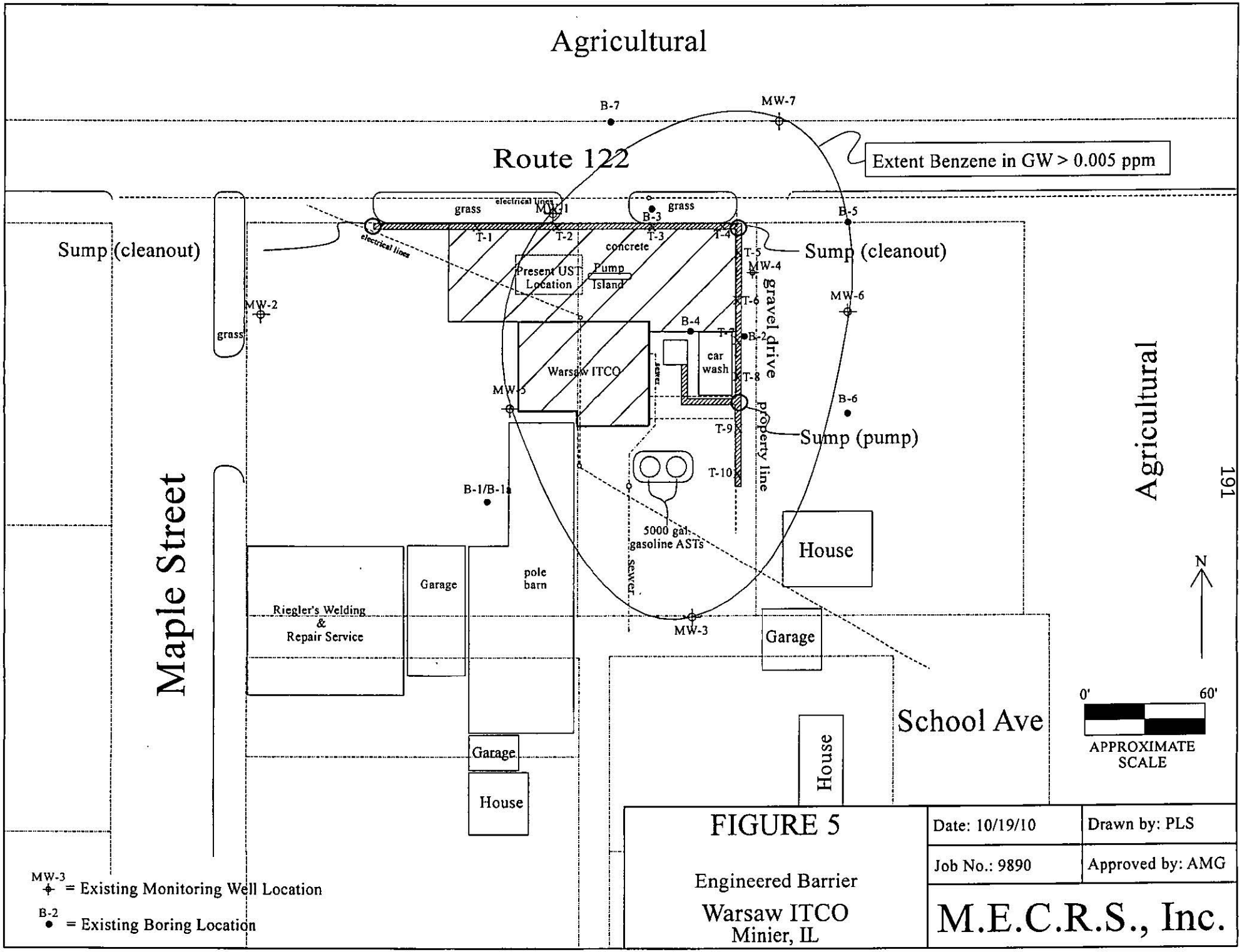


FIGURE 6

INSTITUTIONAL CONTROLS

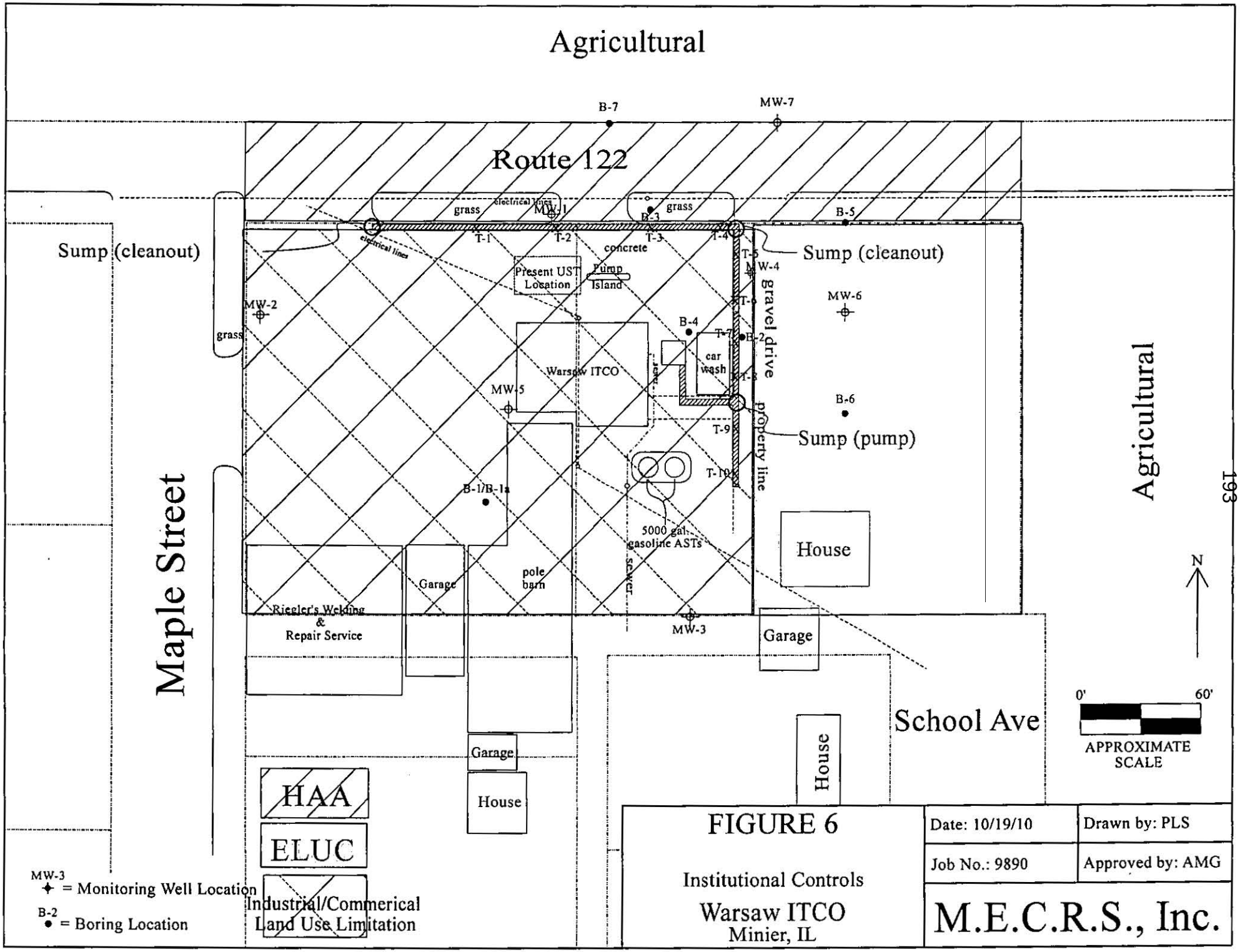


FIGURE 6

Institutional Controls

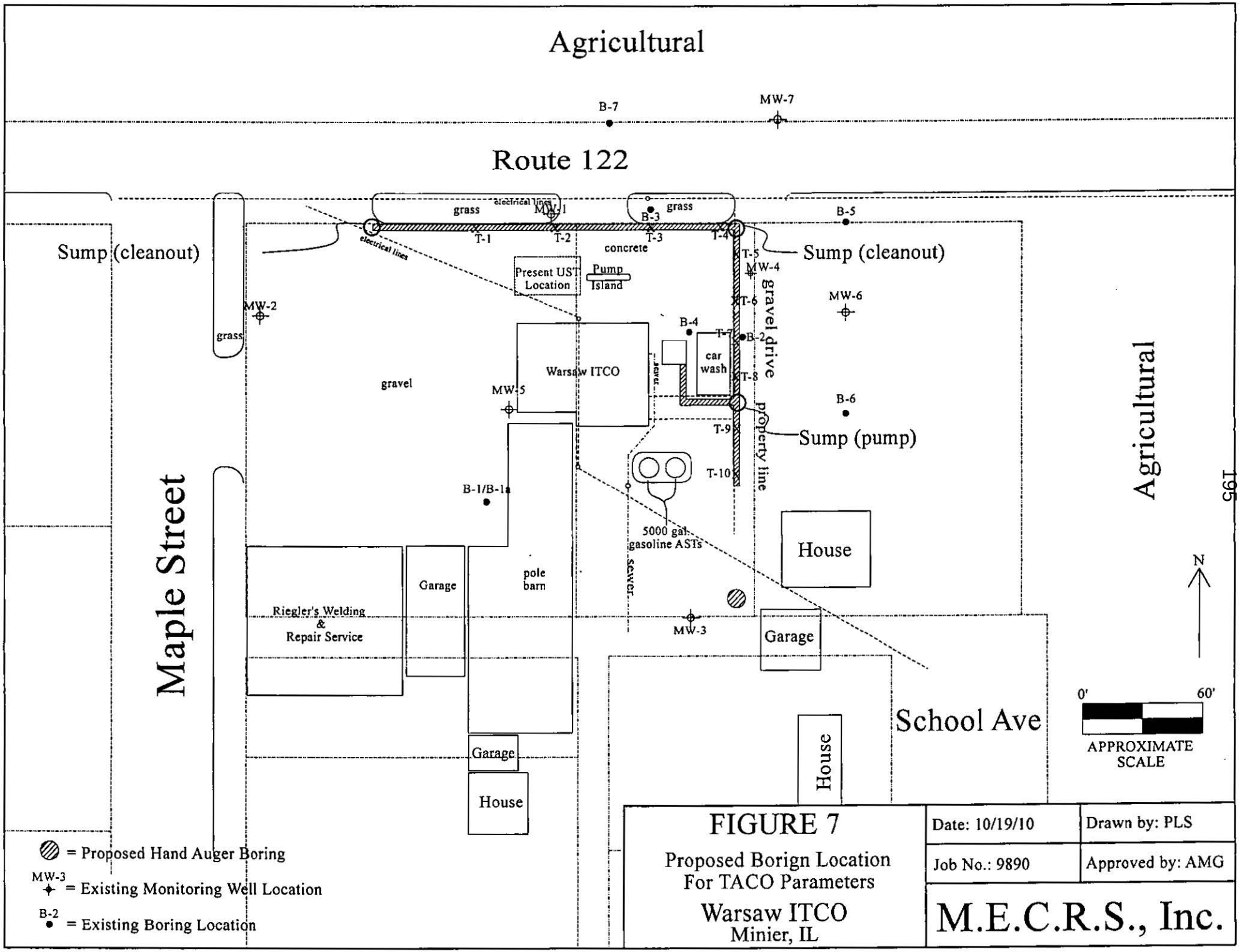
Warsaw ITCO
Minier, IL

Date: 10/19/10	Drawn by: PLS
Job No.: 9890	Approved by: AMG

M.E.C.R.S., Inc.

FIGURE 7

PROPOSED SOIL BORINGS



APPENDIX A

VILLAGE OF MINIER ORDINANCE

Midwest Environmental Consulting & Remediation Services Inc.
22200 Illinois Route 9 • P.O. Box 614
Tremont, IL 61568-0614
Phone: (309) 925-5551 • Fax: (309) 925-5606

November 5, 2010

Sandy Lancaster
Village of Minier
PO Box 350
Minier, IL 61759

RE: Request for Village Ordinance
Warsaw ITCO
IL Rt. 122
Minier, Illinois

Dear Ms. Lancaster:

On behalf of our client, John Warsaw, owner of Warsaw ITCO in Minier, we are requesting that the Village of Minier consider adopting an ordinance which expressly prohibits the use of groundwater as a potable water supply by installation of a well or any other means for purposes of closing Illinois Emergency Management Agency (IEMA) incident #981987 located in Minier (Warsaw ITCO). The requested actions are necessary to satisfy Illinois Administration Code 742, Subpart J, which allows for the use of institutional controls when other methods of remediation are impractical or prohibitively expensive.

There are two options for a groundwater use restriction ordinance that are acceptable by the Illinois Environmental Protection Agency (IEPA): 1) a Groundwater Use Restriction Ordinance that prohibits installation of well for potable use by all including the Village; and 2) a Memorandum of Understanding and Groundwater Use Restriction Ordinance that does not include the Village. Copies of the model documents from the IEPA are attached.

MECRS has obtained similar Groundwater Use Restriction Ordinances from municipalities for former gas station sites with similar petroleum contamination situations. Copies of example ordinances from other municipalities are attached.

If you have any questions, please don't hesitate to call me at the number listed above.

Thank you.

Sincerely,

Midwest Environmental Consulting & Remediation Service, Inc.

Penny Silzer
Sr. Geologist
Attachments

APPENDIX B

IDOT HIGHWAY AUTHORITY AGREEMENT

Midwest Environmental Consulting & Remediation Services Inc.
22200 Illinois Route 9 • P.O. Box 614
Tremont, IL 61568-0614
Phone: (309) 925-5551 • Fax: (309) 925-5606

November 2, 2010

Special Assistant Chief Counsel
Illinois Department of Transportation, Room 311
2300 South Dirksen Parkway
Springfield, IL 62764

RE: Highway Authority Agreement
LPC #1790455007- Tazewell County
Minier / Warsaw, Howard
Il Rt 122
Incident #981987

Dear Sirs:

Enclosed please find the Illinois Department of Transportation (IDOT) highway authority agreement initial information form for leaking underground storage tank sites for the subject site. Petroleum hydrocarbon contaminated soil may be present on IDOT right of way adjacent to the subject site. Please consider the area for a Highway Authority Agreement.

The site is adjacent to Illinois State Route 122 in Minier, Illinois.

If you have any questions, comments or concerns, please don't hesitate to call me at the above number.

Thank you.

Sincerely,

MIDWEST ENVIRONMENTAL CONSULTING & REMEDIATION SERVICES, INC.

Penny Silzer
Sr. Geologist, PG

IDOT– UST OWNER/OPERATOR HIGHWAY AUTHORITY AGREEMENT INITIAL INFORMATION FORM FOR LEAKING UNDERGROUND STORAGE TANK SITES

OVERVIEW

The purpose of this document is to notify the Illinois Department of Transportation of the extent of hydrocarbon impact within soil and/or groundwater and to provide the necessary initial information needed to enter into a highway authority agreement, pursuant to 35 IAC 742.1020.

Applicant Information

UST Owner: John Warsaw
Address: PO Box 886
Minier, IL 61759

Operator (if different):
Address:

Telephone No: (309) 648-3397
Fax No: _____
Name and Title of Person Authorized to Sign for Owner: John Warsaw, Owner
Name and Title of Person Authorized to Sign for Operator (if different):

Applicant's Attorney
Name: _____
Address: _____

Telephone No: 309-388-2111

Environmental Consultant
Name: Midwest Environmental Consulting
Address: PO Box 614, Tremont, IL 61568
Telephone No: (309) 925-5551

Property Adjacent to Right-of-Way

Address: Warsaw ITCO, IL Rt 122, Minier, Illinois

Right-of-Way(s) requiring Highway Agreement

Highway Number(s): Ill. Rt. 122
Street Name (if any): _____

(Check one or both)
☒ Soil Impact in Right-of-Way
☒ Groundwater Impact in Right-of-Way

Regulatory Information

IEMA Incident Number: 981987
IEPA Project Manager: Jim Ransdell (Check one)
IEPA Status:
☐ Conditional Approval
☒ Approval Pending
☐ Other _____

Sampling in the Right-of-Way

(Check one)
☒ Right-of-Way sampled

☐ Right-of-Way impractical to sample (Sampling as done adjacent to Right-of-Way)

Person(s) to be Notified in Agreement

Name:
Address:

Nature and Extent of Hydrocarbon Impact Information – For Exhibit A
The Closure Report/Closure Response Letter documents the nature and extent of hydrocarbon impact in the right-of-way.

Soil:	Refer to Figure 1 –	Estimated Soil Impact in the Right-of-Way Map Using Tier One Residential Corrective Action Objectives
Groundwater:	Refer to Figure 2 -	Estimated Groundwater Impact in the ROW Map Using Tier One Residential Corrective Action Objectives

Tables showing soil sampling results in the right-of-way (if sampled) and/or adjacent to it need to be submitted and keyed to Figure 1. Samples above Tier 1 One Residential Corrective Action Objectives need to be highlighted.

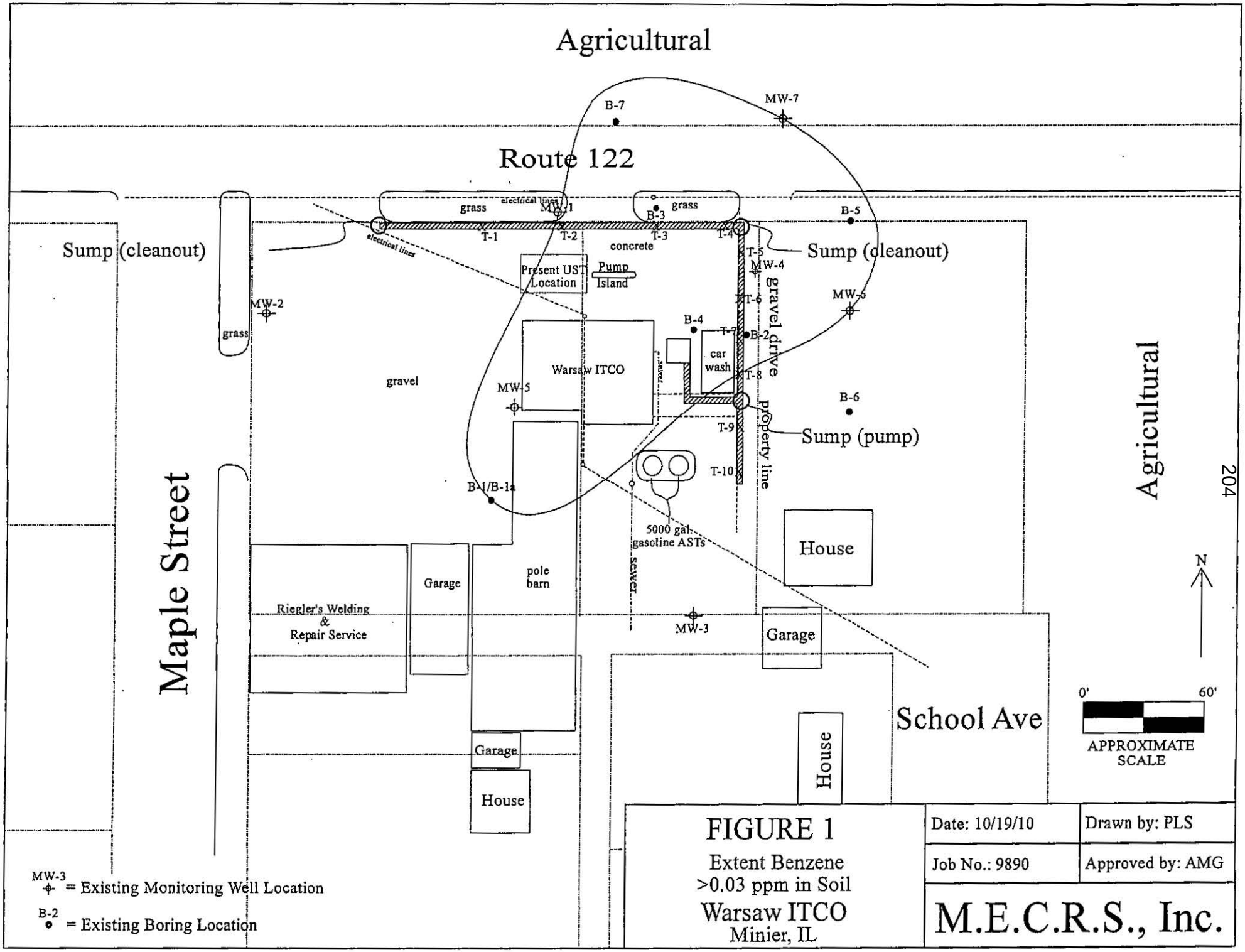
Area Covered by Highway Authority Agreement – For Exhibit B

(Check One)
- ☐ Refer to Figure 3 – Proposed Highway Authority Agreement Location Map

Attachments:
- ☐ Figure 1 Estimated Soil Impact Map
- ☐ Figure 2 Estimated Groundwater Impact
- ☐ Table 1 Soil Analytical Data
- ☐ Table 2 Groundwater Analytical Data
- ☐ Figure 3 Proposed Highway Agreement Location Map

Attachments

Exhibit A



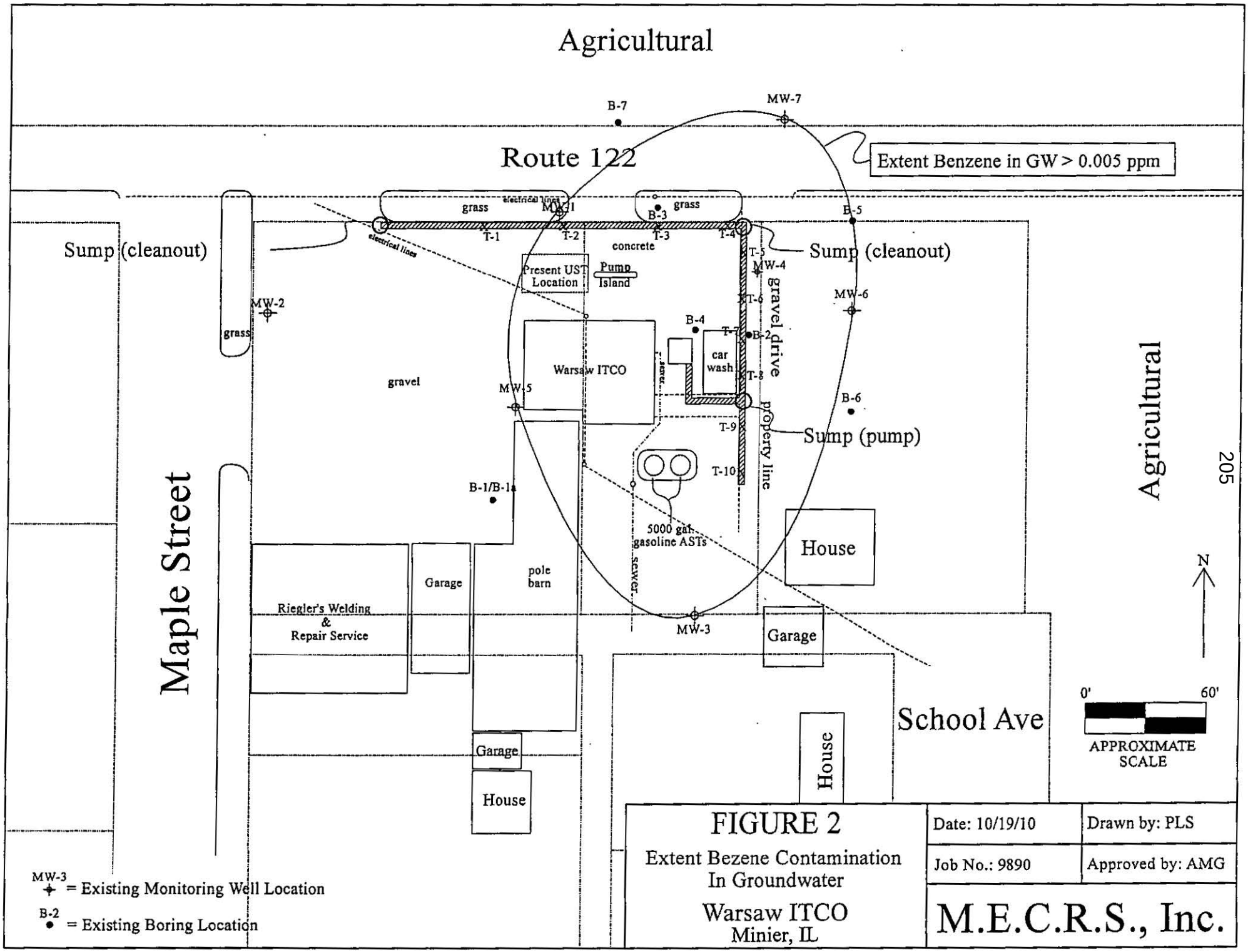


FIGURE 2

Extent Bezene Contamination In Groundwater

Warsaw ITCO
Minier, IL

Date: 10/19/10	Drawn by: PLS
Job No.: 9890	Approved by: AMG

M.E.C.R.S., Inc.

TABLE 1.
Soil Analytical Results
Warsaw-ITCO
Minier, IL

Sample ID:	Sample Date	Benzene	Toluene	Ethylbenzene	Xylenes (total)	Total BTEX
B-1, 8-10'	5/3/2000	<0.002	<0.002	<0.002	<0.005	<0.011
B-2, 4-6'	5/3/2000	**0.810**	1.300	1.700	**6.500**	10.310
B-2, 6-8'	5/3/2000	**0.600**	0.220	0.420	1.900	3.140
B-2, 8-10'	5/3/2000	**21.0**	**41.0**	**47.0**	**190.0**	**299.0**
B-3, 6-8'	5/3/2000	**0.400**	0.120	0.210	0.460	1.190
B-3, 8-10'	5/3/2000	**2.300**	2.100	**21**	**110**	135.400
MW-1, 6-8'	5/4/2000	<0.002	<0.002	<0.002	<0.005	<0.011
MW-2, 8-10'	5/3/2000	<0.002	<0.002	<0.002	<0.005	<0.011
MW-3, 8-10'	5/3/2000	<0.002	<0.002	0.006	<0.005	<0.0147
MW-4, 4-6'	5/4/2000	**0.230**	0.220	0.870	2.500	3.820
MW-4, 6-8'	5/4/2000	**0.300**	1.200	5.400	**20.000**	26.900
B-4, 0.5-2.5'	8/23/2001	0.0081 M	0.019 M	0.0447 M	0.0772 M	0.149 M
B-4, 4-6'	8/23/2001	**11.6 ME**	**42.7 ME**	9.72 ME	38.0 ME	102.02 ME
B-5, 6-8'	8/23/2001	**0.049**	0.186 E	0.038	0.130	0.403
B-6, 4-6'	8/23/2001	0.020	0.053	0.031	0.090	0.194
B-6, 8-10'	8/23/2001	0.007	0.012	<0.0024	0.011	<0.0323
B-7, 8-10'	8/23/2001	0.0167 M	0.0615 M	0.0139 M	0.0395 M	0.1316 M
B-7, 12-14'	8/23/2001	**0.754**	<0.0613	<0.0613	<0.153	<1.0296
MW-5, 8-10'	8/23/2001	**0.494 M**	4.75 M	5.89 M	**7.57 M**	18.704 M
MW-6, 6-8'	8/23/2001	0.007	0.012	0.006	0.011	0.037
MW-7, 4-6'	8/23/2001	0.012	0.025	0.011	0.020	0.068
MW-7, 8-10	8/23/2001	0.0155 M	0.0202 M	0.007	0.012	0.054
T-1	10/20/2003	<0.0026	0.0032	<0.0026	<0.0065	<0.0149
T-2	10/20/2003	<0.0026	<0.0026	<0.0026	<0.0065	<0.0143
T-3	10/20/2003	<0.0024	0.0051	0.0051	0.0142	<0.0268
T-4	10/20/2003	<0.0024	<0.0024	<0.0024	<0.0059	<0.0131
T-5	10/20/2003	0.0034	0.0408	0.3600	0.9470	1.3512
T-6	10/20/2003	**0.0853**	0.6350	1.8400	**7.1400**	9.7003
T-7	10/20/2003	**0.0855**	0.0438	1.1200	2.4600	3.7093
T-8	10/20/2003	<0.0025	0.0066	0.0189	0.0568	<0.0848
T-9	10/20/2003	<0.0024	<0.0024	<0.0024	<0.0061	<0.0133
T-10	10/20/2003	<0.0025	<0.0025	<0.0025	<0.0062	<0.0137

Notes:

1. All results in mg/kg (parts per million, ppm).
2. IEPA Tier 1 Residential Cleanup Objectives

Benzene	Toluene	Ethylbenzene	Xylenes (total)
0.03	12	13	150

3. All bolded values are above Tier 1 Residential Cleanup Objectives
4. M = Matrix interferences identified.
5. E = Estimated - Value outside linear calibration curve.

Table 2: Groundwater Analytical Data

Warsaw ITCO

Minier, Illinois

Sample #	Date	DTW	GWE	Benzene	Toluene	E-benzene	Xylenes	Total BTEX
MW-1	Elevation Top of Casing =		99.62					
SC	5/12/2000	5.89	93.73	4.3	<1.0	<1.0	<3.0	<9.3
1	10/24/2000	7.76	91.86	2.4	<1.0	<1.0	<3.0	<7.4
2	8/23/2001	6.76	92.86	524 E	<2.0	<2.0	<5.0	<533 E
3	11/13/2001	6.26	93.36	<2.0	<2.0	<2.0	<5.0	<11.0
4	2/14/2002	5.41	94.21	<1.0	<1.0	<1.0	<3.0	<6.0
5	1/24/2005	4.65	94.97	NS	NS	NS	NS	NS
MW-2	Elevation Top of Casing =		99.28					
SC	5/9/2000	5.51	93.77	<1.0	<1.0	<1.0	<3.0	<6.0
1	10/24/2000	7.52	91.76	<1.0	<1.0	<1.0	<3.0	<6.0
2	8/23/2001	4.35	94.93	2.6 M	<2.0 M	<2.0	7.1	<13.7
3	11/13/2001	6.01	93.27	<2.0	<2.0	<2.0	<5.0	<11.0
4	2/14/2002	5.12	94.16	<1.0	<1.0	<1.0	<3.0	<6.0
5	1/24/2005	4.38	94.90	NS	NS	NS	NS	NS
MW-3	Elevation Top of Casing =		100					
SC	5/9/2000	6.09	93.91	<1.0	<1.0	<1.0	<3.0	<6.0
1	10/24/2000	8.04	91.96	<1.0	<1.0	<1.0	<3.0	<6.0
2	8/23/2001	6.22	93.78	<2.0	<2.0	<2.0	<5.0	<11.0
3	11/13/2001	6.20	93.80	<2.0	<2.0	<2.0	<5.0	<11.0
4	2/14/2002	5.37	94.63	<1.0	<1.0	<1.0	<3.0	<6.0
5	1/24/2005	4.34	95.66	NS	NS	NS	NS	NS
MW-4	Elevation Top of Casing =		99.84					
SC	5/9/2000	5.90	93.94	2,600	12,000	4,500	18,000	37,100
1	10/24/2000	7.80	92.04	2,300	5,200	4,000	13,000	24,500
2	8/23/2001	6.67	93.17	2,290 M	2,380 M	8,150	23,600 E	36,420 E
3	11/13/2001	6.11	93.73	1,910	3,960	3,360	10,000	19,230
4	2/14/2002	5.00	94.84	1,100	1,200	2,900	5,500	10,700
5	1/24/2005	4.47	95.37	NS	NS	NS	NS	NS
MW-5	Elevation Top of Casing =		99.57					
SC	5/9/2000	--	--	--	--	--	--	--
1	10/24/2000	--	--	--	--	--	--	--
2	8/23/2001	4.82	94.75	78.3 M	2.4 M	23.9	26.3	130.9
3	11/13/2001	5.67	93.90	<2.0	<2.0	<2.0	<5.0	<11.0
4	2/14/2002	4.71	94.86	1.4	2.2	1.5	4.5	9.6
5	1/24/2005	3.89	95.68	NS	NS	NS	NS	NS
MW-6	Elevation Top of Casing =		99.37					
SC	5/9/2000	--	--	--	--	--	--	--
1	10/24/2000	--	--	--	--	--	--	--
2	8/23/2001	6.55	92.82	4.1	<2.0	<2.0	10.4	<18.5
3	11/13/2001	5.59	93.78	<2.0	<2.0	<2.0	<5.0	<11.0
4	2/14/2002	4.71	94.66	<1.0	<1.0	<1.0	<3.0	<6.0
5	1/24/2005	WELL ICED OVER		NS	NS	NS	NS	NS
MW-7	Elevation Top of Casing =		100.07	WELL DESTROYED AT TIME OF 1/25/05 DTW MEASUREMENT				
SC	5/9/2000	--	--	--	--	--	--	--
1	10/24/2000	--	--	--	--	--	--	--
2	8/23/2001	7.28	92.79	<2.0	<2.0	<2.0	5.9	<11.9
3	11/13/2001	6.23	93.84	117 E	<2.0	<2.0	<5.0	<126 E
4	2/14/2002	5.52	94.55	7	<1.0	<1.0	<3.0	<12.0
5	1/24/2005	--	--	NS	NS	NS	NS	NS

1. All results reported in ug/kg (i.e. parts per billion, ppb)
2. IEPA Tier 1 Cleanup Objectives (ug/kg):

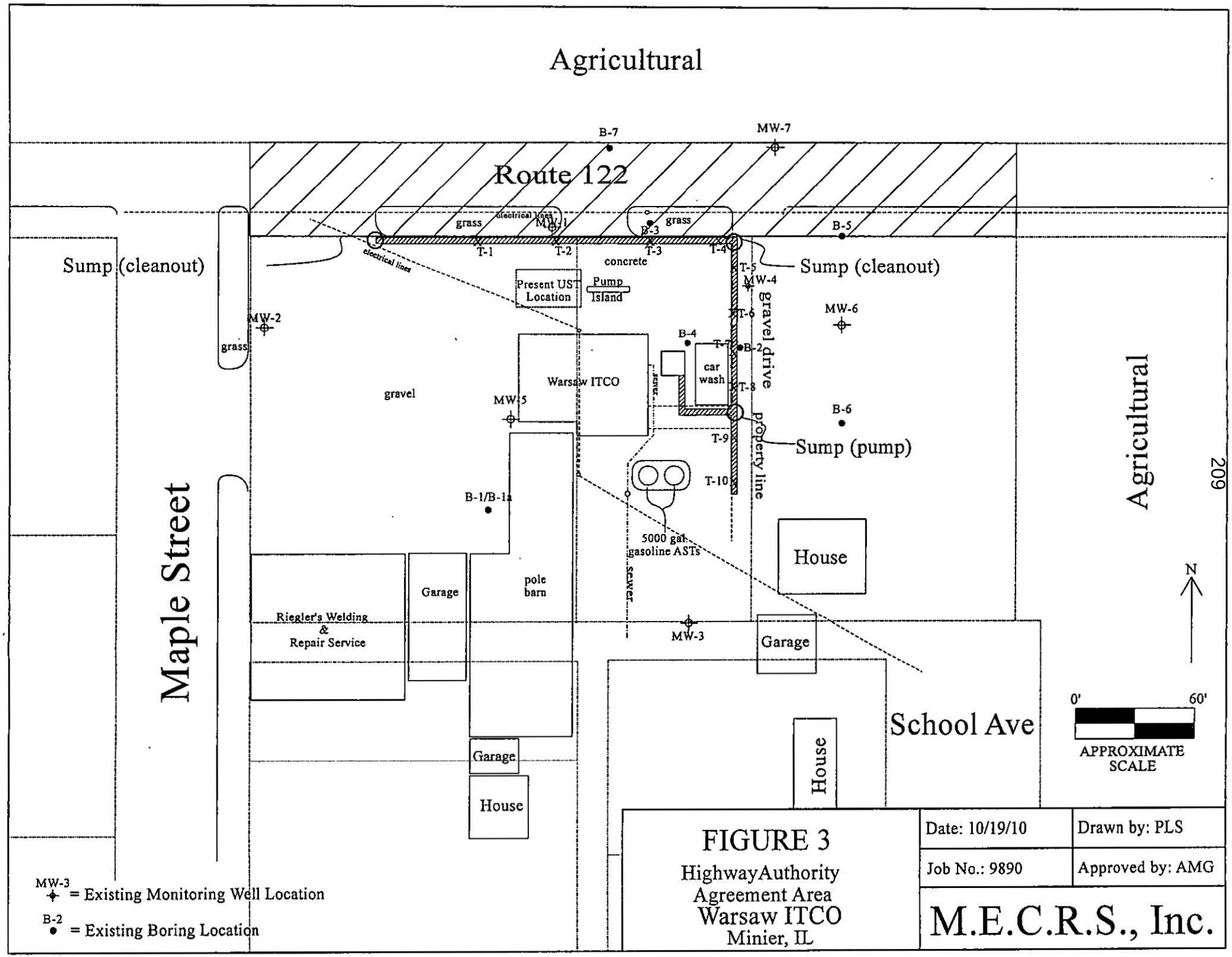
Benzene	Toluene	Ethylbenzene	Xylenes
5	1,000	700	10,000

3. -- = No data available
4. MDL = Method Detection Limit
5. DTW = Depth to Water
6. GWE = Groundwater Elevation referenced to datum point
7. NA/NS = Not analyzed/not sampled this event
8. E = Estimated - value outside linear range
9. M = Matrix interferences identified.

Date	Average DTW
5/9/2000	5.85
10/24/2000	7.78
8/23/2001	6.09
11/13/2001	6.01
2/14/2002	5.12
1/24/2005	4.35
Cumulative DTW Average:	5.87

Exhibit B

Figure 3
Proposed Highway Agreement Location Map



APPENDIX C

PROPOSED ENVIRONMENTAL LAND USE CONTROL

Midwest Environmental Consulting & Remediation Services Inc.
22200 Illinois Route 9 • P.O. Box 614
Tremont, IL 61568-0614
Phone: (309) 925-5551 • Fax: (309) 925-5606

November 8, 2010

Jeff Heumann
212 IL RTE 122
Minier, IL 61759

RE: Environmental Land Use Control
Warsaw ITCO
IL RT 122
Minier, IL 61759

Dear Mr. Heumann:

On behalf of our client, Warsaw ITCO of Minier, Illinois, we are requesting that you consider the enclosed Environmental Land Use Control (ELUC). The ELUC has been proposed to the IEPA as an institutional control to allow for alternative cleanup objectives based on 35 Ill. Admin. Code 742 Tiered Approach to Cleanup Objectives (TACO) for the subject site. The TACO regulations allow an underground storage tank owner to develop cleanup objectives based on actual risk to human health or the environment.

The subsurface investigation has been completed at the gas station site owned by Mr. John Warsaw located at IL RTE 122. It appears that contaminants of concern (COCs) have most likely migrated from the location of the underground storage tanks and dispenser islands to the northeast towards your property at 212 IL RTE 122 in Minier. The COCs appear to be migrating through the soil at depths between 6 and 8 feet below ground surface. Because of the depth to contamination and the presence of 6 feet of clean soil above the contaminated zone, the contaminants pose little to no threat to human health.

Please review the ELUC enclosed. If you have any questions, please call me at the number listed above. If agreeable to you, please sign the ELUC and return it to our office for further processing. If you choose not to sign the ELUC, please respond with your written denial.

Your time and attention to this matter is greatly appreciated. Please don't hesitate to call me if you have any questions.

Sincerely,

Midwest Environmental Consulting & Remediation Services, Inc.

Allan M. Green
President

PREPARED BY:

Name: Midwest Environmental Consulting & Remediation Services, Inc. (MECRS)

Address: 22200 IL Rt. 9, P.O. Box 614

Tremont, IL 61568

RETURN TO:

Name: MECRS

Address: 22200 IL Rt. 9, P.O. Box 614

Tremont, IL 61568

THE ABOVE SPACE FOR RECORDERS OFFICE

ENVIRONMENTAL LAND USE CONTROL

THIS ENVIRONMENTAL LAND USE CONTROL ("ELUC"), is made this _____ day of _____, 20__, by Jeff Heumann, ("Property Owner") of the real property located at the common address 212 IL RTE 122, Minier, IL 61759 ("Property").

WHEREAS, 415 ILCS 5/58.17 and 35 Ill. Adm. Code 742 provide for the use of an ELUC as an institutional control in order to impose land use limitations or requirements related to environmental contamination so that persons conducting remediation can obtain a No Further Remediation determination from the Illinois Environmental Protection Agency ("IEPA"). The reason for an ELUC is to ensure protection of human health and the environment. The limitations and requirements contained herein are necessary in order to protect against exposure to contaminated soil or groundwater, or both, that may be present on the property as a result of underground petroleum storage activities. Under 35 Ill Adm. Code 742, the use of risk-based, site specific remediation objectives may require the use of an ELUC on real property, and the ELUC may apply to certain physical features (e.g., engineered barriers, monitoring wells, caps, etc.).

WHEREAS, John Warsaw intends to request risk-based, site specific soil and groundwater remediation objectives from IEPA under 35 Ill. Adm. Code 742 to obtain risk-based closure of the site, identified by Bureau of Land LPC #981987, utilizing an ELUC.

NOW, THEREFORE, the recitals set forth above are incorporated by reference as if fully set forth herein, and the Property Owner agrees as follows:

Section One. Property Owner does hereby establish an ELUC on the real estate, situated in the County of Tazewell, State of Illinois and further described in Exhibit A attached hereto and incorporated herein by reference (the "Property").

Attached as Exhibit B are site maps that show the legal boundary of the Property, any physical features to which the ELUC applies, the horizontal and vertical extent of the contaminants of concern above the applicable remediation objectives for soil or groundwater or both, and the nature, location of the source, and direction of movement of the contaminants of concern, as required under 35 Ill. Adm. Code 742.

Section Two. Property Owner represents and warrants he/she is the current owner of the Property and has the authority to record this ELUC on the chain of title for the Property with the Office of the Recorder or Registrar of Titles in Tazewell County, Illinois.

Section Three. The property Owner hereby agrees for himself/herself, and his/her heirs, grantees, successors, assigns, transferees and any other owner, occupant, lessee, possessor or user of the Property or the holder of any portion thereof or interest therein, that the groundwater under the Property shall not be used as a potable supply of water, and any contaminated groundwater or soil that is removed, excavated, or disturbed from the Property described in Exhibit A herein must be handled in accordance with all applicable laws and regulations.

Section Four. This ELUC is binding on the Property Owner, his/her heirs, grantees, successors, assigns, transferees and any other owner, occupant, lessee, possessor or user of the Property or the holder of any portion thereof or interest therein. This ELUC shall apply in perpetuity against the Property and shall not be released until the IEPA determines there is no longer a need for this ELUC as an institutional control; until the IEPA, upon written request, issues a new no further remediation determination approving modification or removal of the limitation(s) or requirement(s); and until and a release or modification of the land use limitation or requirement is filed on the chain of title for the Property.

Section Five. Information regarding the remediation performed on the Property may be obtained from the IEPA through a request under the Freedom of Information Act (5 ILCS 140) and rules promulgated thereunder by providing the IEPA with the [10 digit LPC or identification number] listed above.

Section Six. The effective date of this ELUC shall be the date that it is officially recorded in the chain of title for the Property to which the ELUC applies.

WITNESS the following signatures:

Property Owner(s)

By:_____ _____

Its:_____ _____

Date:_____ _____

STATE OF ILLINOIS)
) SS:
COUNTY OF Tazewell)

I, _____ the undersigned, a Notary Public for said County and State, DO HEREBY CERTIFY, that Jeff Heumann, personally known to me to be the Property Owner(s) of 212 IL RTE 122, Minier, Illinois, and personally known to me to be the same persons whose names are subscribed to the foregoing instrument, appeared before me this day in person and severally acknowledged that in said capacities they signed and delivered the said instrument as their free and voluntary at for the uses and purposes therein set forth.

Given under my hand and official seal, this _____ day of _____, 20__.

_____

Notary Public

PIN NO. 19-19-22-201-014

Exhibit A

212 IL RTE 122
Minier, IL 61759

Legal Description:
Sec 22 T23N R2W PT OF LOT 17 OF NE 1/4

PIN NO. 19-19-22-201-014

Exhibit B

IN ACCORDANCE WITH SECTION 742.1010 (D)(8)(A)-(D), PROFICE ALL THE FOLLOWING ELEMENTS. ATTACH SEPARATE SHEETS, LABELED AS EXHIBIT B, WHERE NECESSARY.

(A) **Table 1.** Soil Analytical Data

(B) **Table 2.** Groundwater Analytical Data

(B) **Figures 1.** A scaled map showing the legal boundary of the property to which the ELUC applies.

(C) **Figures 2 and 3.** Scaled maps showing the horizontal and vertical extent of contaminants of concern above the applicable remediation objectives for soil to which the ELUC applies.

(D) Scaled maps showing the physical features to which an ELUC applies (e.g., engineered barriers, monitoring wells, caps, etc.).

No engineered barriers are proposed.

(E) **Figure 4.** Scaled maps showing the nature, location of the source, and direction of movement of the contaminants of concern.

TABLE 1.
Soil Analytical Results
Warsaw-ITCO
Minier, IL

Sample ID:	Sample Date	Benzene	Toluene	Ethylbenzene	Xylenes (total)	Total BTEX
B-1, 8-10'	5/3/2000	<2.0	<2.0	<2.0	<5.0	<11.0
B-2, 4-6'	5/3/2000	**810**	1,300	1,700	**6,500**	10,310
B-2, 6-8'	5/3/2000	**600**	220	420	1,900	3,140
B-2, 8-10'	5/3/2000	**21,000**	**41,000**	**47,000**	**190,000**	**299,000**
B-3, 6-8'	5/3/2000	**400**	120	210	460	1,190
B-3, 8-10'	5/3/2000	**2,300**	2,100	**31,000**	**110,000**	145,400
MW-1, 6-8'	5/4/2000	<2.0	<2.0	<2.0	<5.0	<11.0
MW-2, 8-10'	5/3/2000	<2.0	<2.0	<2.0	<5.0	<11.0
MW-3, 8-10'	5/3/2000	<2.0	<2.0	6	<5.0	<14.7
MW-4, 4-6'	5/4/2000	**230**	220	870	2,500	3,820
MW-4, 6-8'	5/4/2000	**300**	1,200	5,400	**20,000**	26,900
B-4, 0.5-2.5'	8/23/2001	8.1 M	19.0 M	44.7 M	77.2 M	149 M
B-4, 4-6'	8/23/2001	**11,600 ME**	**42,700 ME**	9,720 ME	**38,000 ME**	102,020 ME
B-5, 6-8'	8/23/2001	**49**	186 E	38	130	403
B-6, 4-6'	8/23/2001	19.5	53.4	31.3	89.8	194.0
B-6, 8-10'	8/23/2001	7.1	12.3	<2.4	10.9	<32.3
B-7, 8-10'	8/23/2001	16.7 M	61.5 M	13.9 M	39.5 M	131.6 M
B-7, 12-14'	8/23/2001	**754.0**	<61.3	<61.3	<153	<1,029.6
MW-5, 8-10'	8/23/2001	**494 M**	4,750 M	5,890 M	**7,570 M**	18,704 M
MW-6, 6-8'	8/23/2001	6.5	12.4	6.3	11.3	36.5
MW-7, 4-6'	8/23/2001	11.7	25.1	10.8	20.0	67.6
MW-7, 8-10	8/23/2001	15.5 M	20.2 M	6.8	11.8	54.3
T-1	10/20/2003	<2.6	3.2	<2.6	<6.5	<14.9
T-2	10/20/2003	<2.6	<2.6	<2.6	<6.5	<14.3
T-3	10/20/2003	<2.4	5.1	5.1	14.2	<26.8
T-4	10/20/2003	<2.4	<2.4	<2.4	<5.9	<13.1
T-5	10/20/2003	3.4	40.8	360.0	947.0	1,351.2
T-6	10/20/2003	**85.3**	635.0	1,840.0	**7,140.0**	9,700.3
T-7	10/20/2003	**85.5**	43.8	1,120.0	2,460.0	3,709.3
T-8	10/20/2003	<2.5	6.6	18.9	56.8	<84.8
T-9	10/20/2003	<2.4	<2.4	<2.4	<6.1	<13.3
T-10	10/20/2003	<2.5	<2.5	<2.5	<6.2	<13.7

Notes:

1. All results in parts per billion (ppb).
2. IEPA Tier 1 Residential Cleanup Objectives

Benzene	Toluene	Ethylbenzene	Xylenes (total)
30	12,000	13,000	5,600

3. All bolded values are above Tier 1 Residential Cleanup Objectives
4. M = Matrix interferences identified
5. E = Estimated

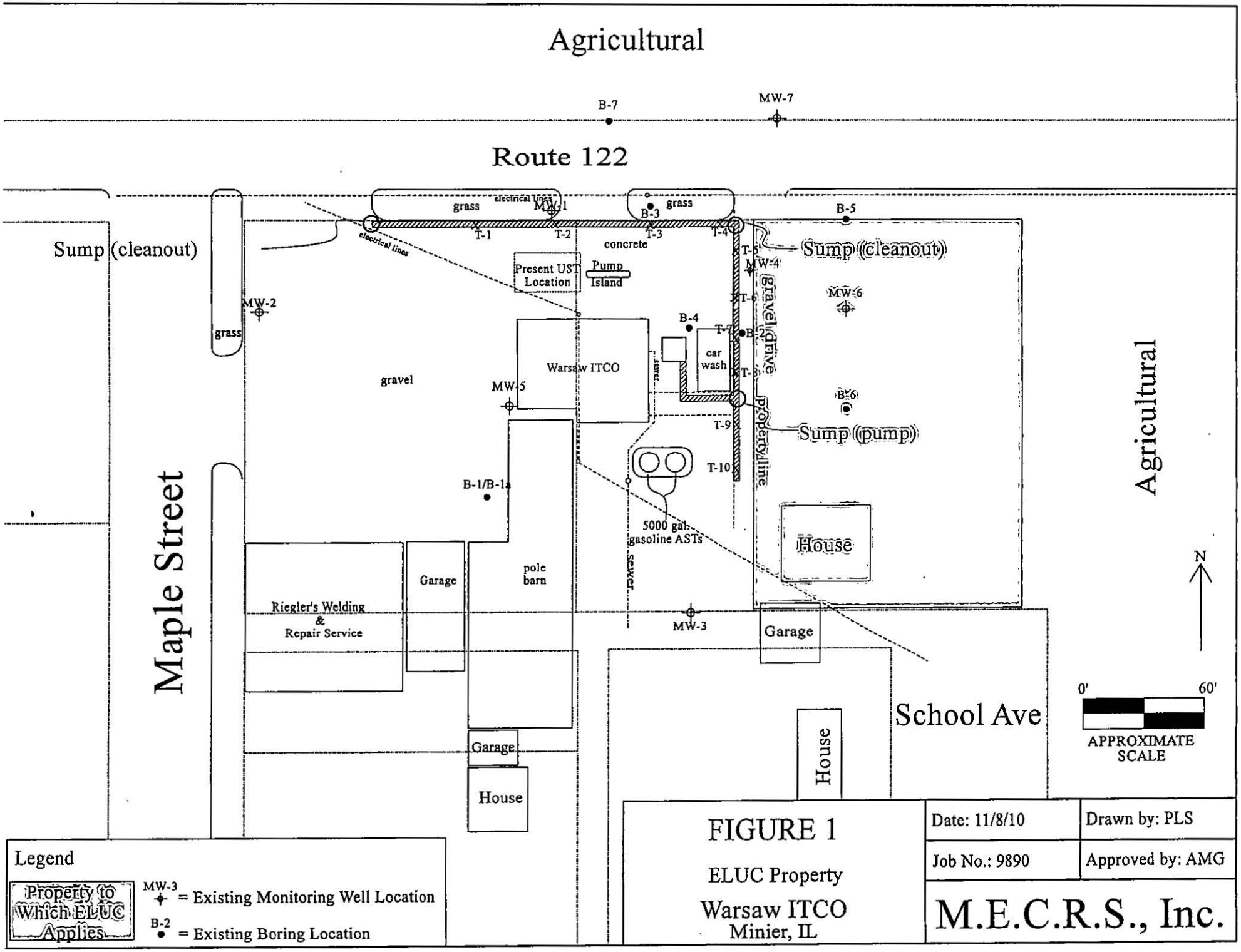
Table 2: Groundwater Analytical Data
Warsaw - ITCO
Minier, Illinois

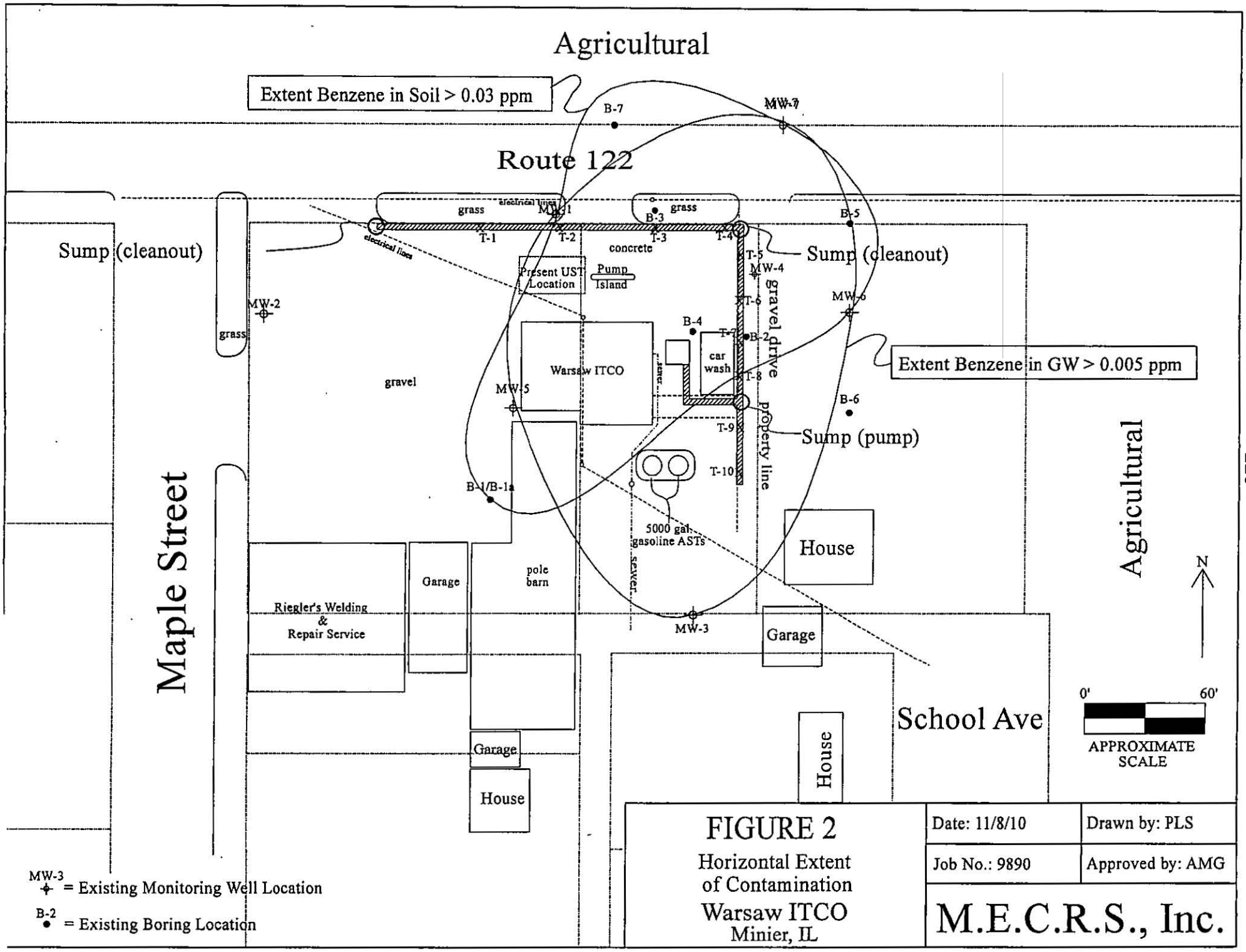
Sample #	Date	DTW	GWE	Benzene	Toluene	E-benzene	Xylenes	Total BTEX
MW-1	Elevation Top of Casing =		99.62					
SC	5/12/2000	5.89	93.73	4.3	<1.0	<1.0	<3.0	<9.3
1	10/24/2000	7.76	91.86	2.4	<1.0	<1.0	<3.0	<7.4
2	8/23/2001	6.76	92.86	524 E	<2.0	<2.0	<5.0	<533 E
3	11/13/2001	6.26	93.36	<2.0	<2.0	<2.0	<5.0	<11.0
4	2/14/2002	5.41	94.21	<1.0	<1.0	<1.0	<3.0	<6.0
5	1/24/2005	4.65	94.97	NS	NS	NS	NS	NS
MW-2	Elevation Top of Casing =		99.28					
SC	5/9/2000	5.51	93.77	<1.0	<1.0	<1.0	<3.0	<6.0
1	10/24/2000	7.52	91.76	<1.0	<1.0	<1.0	<3.0	<6.0
2	8/23/2001	4.35	94.93	2.6 M	<2.0 M	<2.0	7.1	<13.7
3	11/13/2001	6.01	93.27	<2.0	<2.0	<2.0	<5.0	<11.0
4	2/14/2002	5.12	94.16	<1.0	<1.0	<1.0	<3.0	<6.0
5	1/24/2005	4.38	94.90	NS	NS	NS	NS	NS
MW-3	Elevation Top of Casing =		100					
SC	5/9/2000	6.09	93.91	<1.0	<1.0	<1.0	<3.0	<6.0
1	10/24/2000	8.04	91.96	<1.0	<1.0	<1.0	<3.0	<6.0
2	8/23/2001	6.22	93.78	<2.0	<2.0	<2.0	<5.0	<11.0
3	11/13/2001	6.20	93.80	<2.0	<2.0	<2.0	<5.0	<11.0
4	2/14/2002	5.37	94.63	<1.0	<1.0	<1.0	<3.0	<6.0
5	1/24/2005	4.34	95.66	NS	NS	NS	NS	NS
MW-4	Elevation Top of Casing =		99.84					
SC	5/9/2000	5.90	93.94	2,600	12,000	4,500	18,000	37,100
1	10/24/2000	7.80	92.04	2,300	5,200	4,000	13,000	24,500
2	8/23/2001	6.67	93.17	2,290 M	2,380 M	8,150	23,600 E	36,420 E
3	11/13/2001	6.11	93.73	1,910	3,960	3,360	10,000	19,230
4	2/14/2002	5.00	94.84	1,100	1,200	2,900	5,500	10,700
5	1/24/2005	4.47	95.37	NS	NS	NS	NS	NS
MW-5	Elevation Top of Casing =		99.57					
SC	5/9/2000	--	--	--	--	--	--	--
1	10/24/2000	--	--	--	--	--	--	--
2	8/23/2001	4.82	94.75	78.3 M	2.4 M	23.9	26.3	130.9
3	11/13/2001	5.67	93.90	<2.0	<2.0	<2.0	<5.0	<11.0
4	2/14/2002	4.71	94.86	1.4	2.2	1.5	4.5	9.6
5	1/24/2005	3.89	95.68	NS	NS	NS	NS	NS
MW-6	Elevation Top of Casing =		99.37					
SC	5/9/2000	--	--	--	--	--	--	--
1	10/24/2000	--	--	--	--	--	--	--
2	8/23/2001	6.55	92.82	4.1	<2.0	<2.0	10.4	<18.5
3	11/13/2001	5.59	93.78	<2.0	<2.0	<2.0	<5.0	<11.0
4	2/14/2002	4.71	94.66	<1.0	<1.0	<1.0	<3.0	<6.0
5	1/24/2005	WELL ICED OVER		NS	NS	NS	NS	NS
MW-7	Elevation Top of Casing =		100.07	WELL DESTROYED AT TIME OF 1/25/05 DTW MEASUREMENT				
SC	5/9/2000	--	--	--	--	--	--	--
1	10/24/2000	--	--	--	--	--	--	--
2	8/23/2001	7.28	92.79	<2.0	<2.0	<2.0	5.9	<11.9
3	11/13/2001	6.23	93.84	117 E	<2.0	<2.0	<5.0	<126 E
4	2/14/2002	5.52	94.55	7	<1.0	<1.0	<3.0	<12.0
5	1/24/2005	--	--	NS	NS	NS	NS	NS

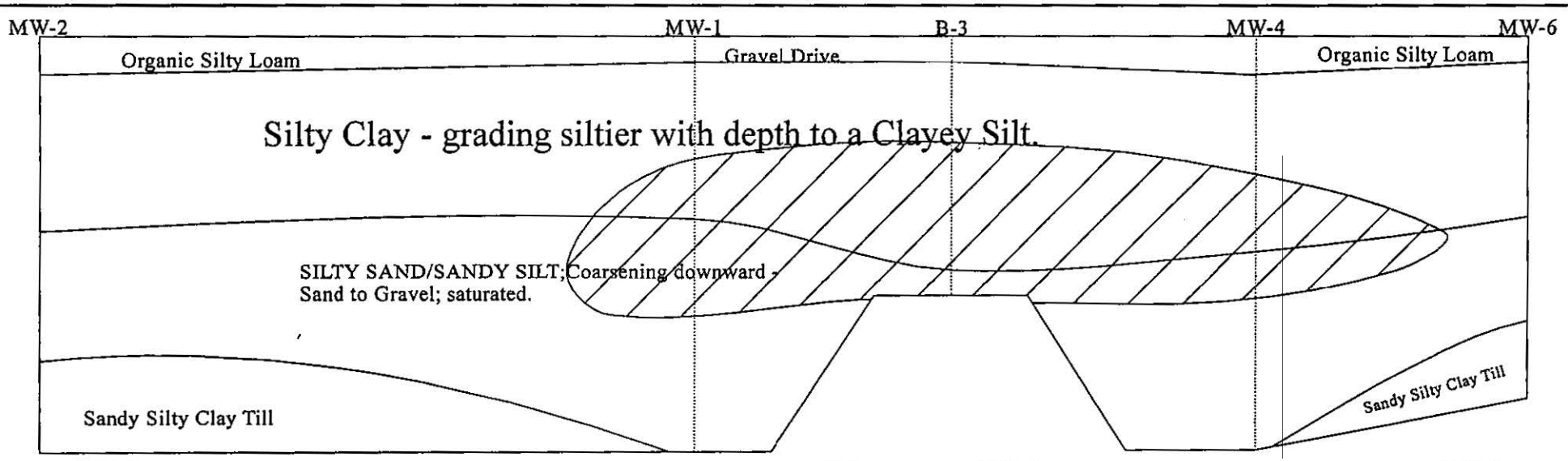
1. All results reported in ug/kg (i.e. parts per billion, ppb)
2. IEPA Tier 1 Cleanup Objectives (ug/kg):

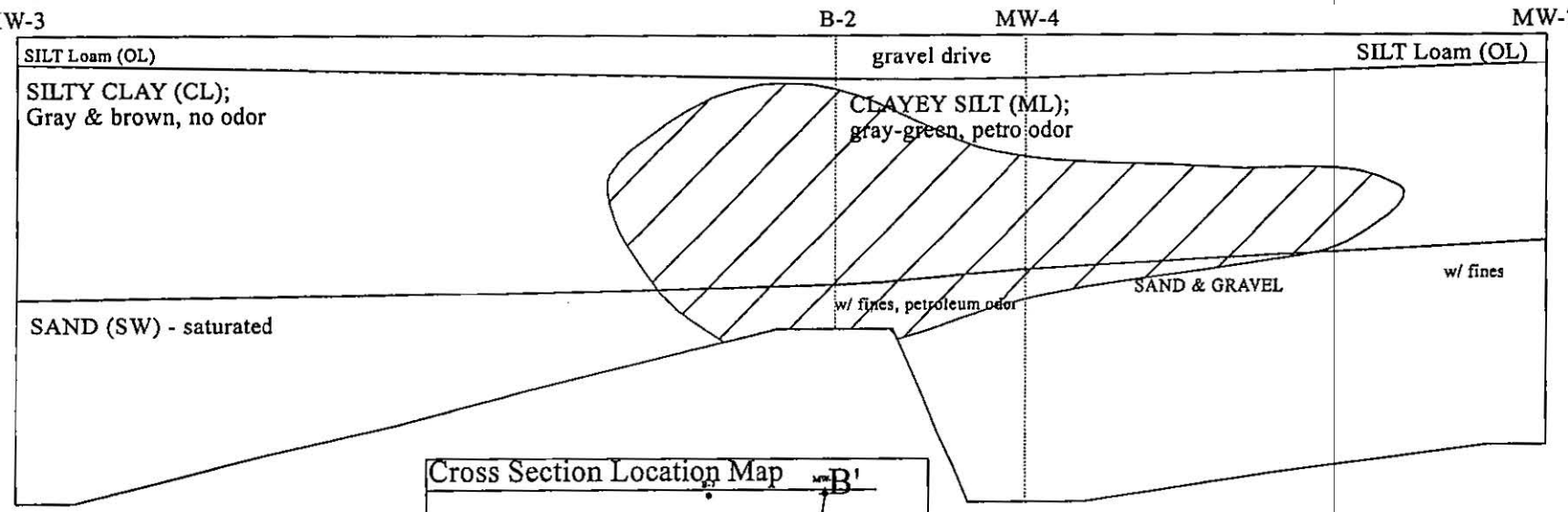
Benzene	Toluene	Ethylbenzene	Xylenes
5	1,000	700	10,000

3. -- = No data available
4. MDL = Method Detection Limit
5. DTW = Depth to Water
6. GWE = Groundwater Elevation referenced to datum point
7. NA/NS = Not analyzed/not sampled this event
8. E = Estimated - value outside linear range
9. M = Matrix interferences identified.









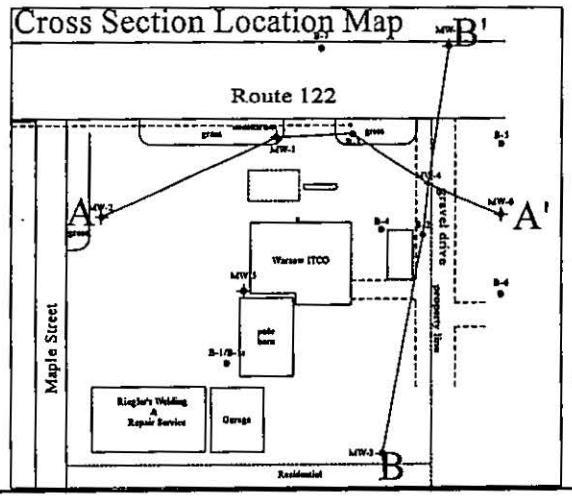
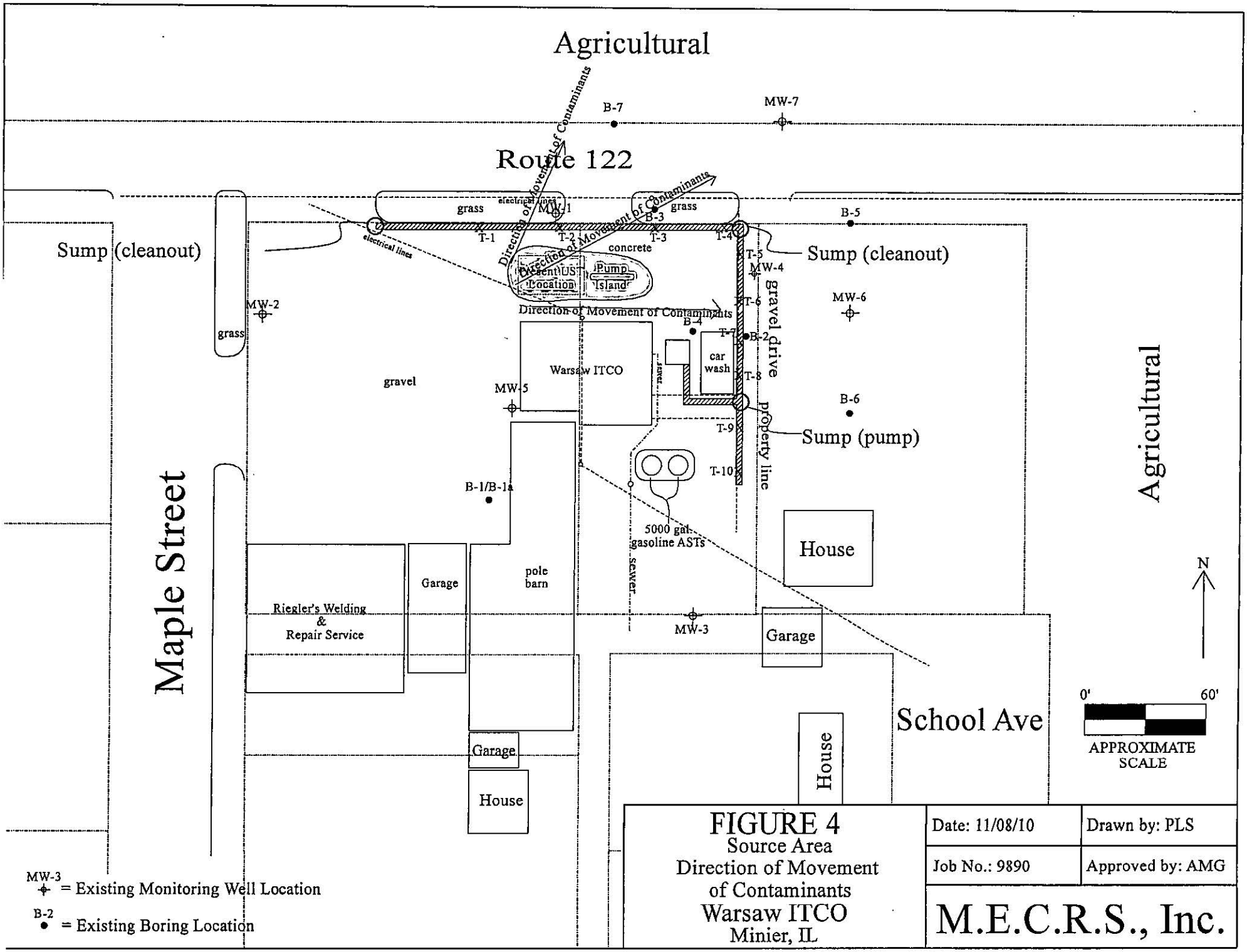


FIGURE 3
Cross Section w/
Vertical Extent of Contamination
WARSAW - ITCO, MINIER, IL

Date: 11/08/10	Drawn by: TKB
PRJN: 9890	Approved by: AMG

M.E.C.R.S., Inc.

221



APPENDIX D

GROUNDWATER ORDINANCE NOTIFICATION LETTER

DRAFT of Property Owner Notification Letter
A request has been sent to the Village of Minier for a Groundwater Use Restriction Ordinance

November 8, 2010

«Owners_Name»
«Address»
«City», «St» «ZIP»

RE: Village of Minier
Groundwater Use Restriction Ordinance #XXXXX
And
Warsaw ITCO
IL Rte 122
Minier, IL

Dear «Owners_Name»

The purpose of this letter is to inform the owner of the property located at «Property_Address» in Minier, Illinois, that groundwater remediation objectives have been approved by the IEPA for the Warsaw ITCO Station (Incident No. 981987) located at IL RTE 122, Minier, Illinois.

A release of petroleum hydrocarbon fuel products has occurred at the Warsaw ITCO (Incident No. 981987) located at IL RT 122, Minier, Illinois. The release was reported to the Illinois Emergency Management Agency (IEMA) and assigned incident number 981987. The extent of petroleum hydrocarbon contamination in the subsurface has been investigated as required by the Illinois Environmental Protection Agency (IEPA) Leaking Underground Storage Tank (LUST) Section.

Illinois Administrative Code 35, Part 742, Tiered Approach to Cleanup Objectives (TACO) allows for determination of alternative remediation objectives based on risk. Soil and groundwater remediation objectives based on risk to human health and the environment have been determined for this site through a TACO evaluation. Based on groundwater models generated during the TACO process, it appears that petroleum hydrocarbon concentrations in groundwater, above Tier 1 CUOs may potentially migrate off-site.

To address the potential for off-site groundwater contamination, Village of Minier Ordinance #XXXX, which prohibits the use of groundwater as a potable water supply by installation of wells or any other means, has been used by the Illinois Environmental Protection Agency to

approve alternative groundwater cleanup objectives. A copy of Village of Minier Ordinance #XXXX can be obtained from the Village of Minier, 110 West Central, Box 350, Minier, IL, 61759, (309) 392-2442.

The legal description for your potentially affected property is:

«PIN»
«Legal_Description»

The attached map shows the location of the property, the defined extent of groundwater contamination, the modeled groundwater plume and the areas covered by engineered barriers and institutional controls.

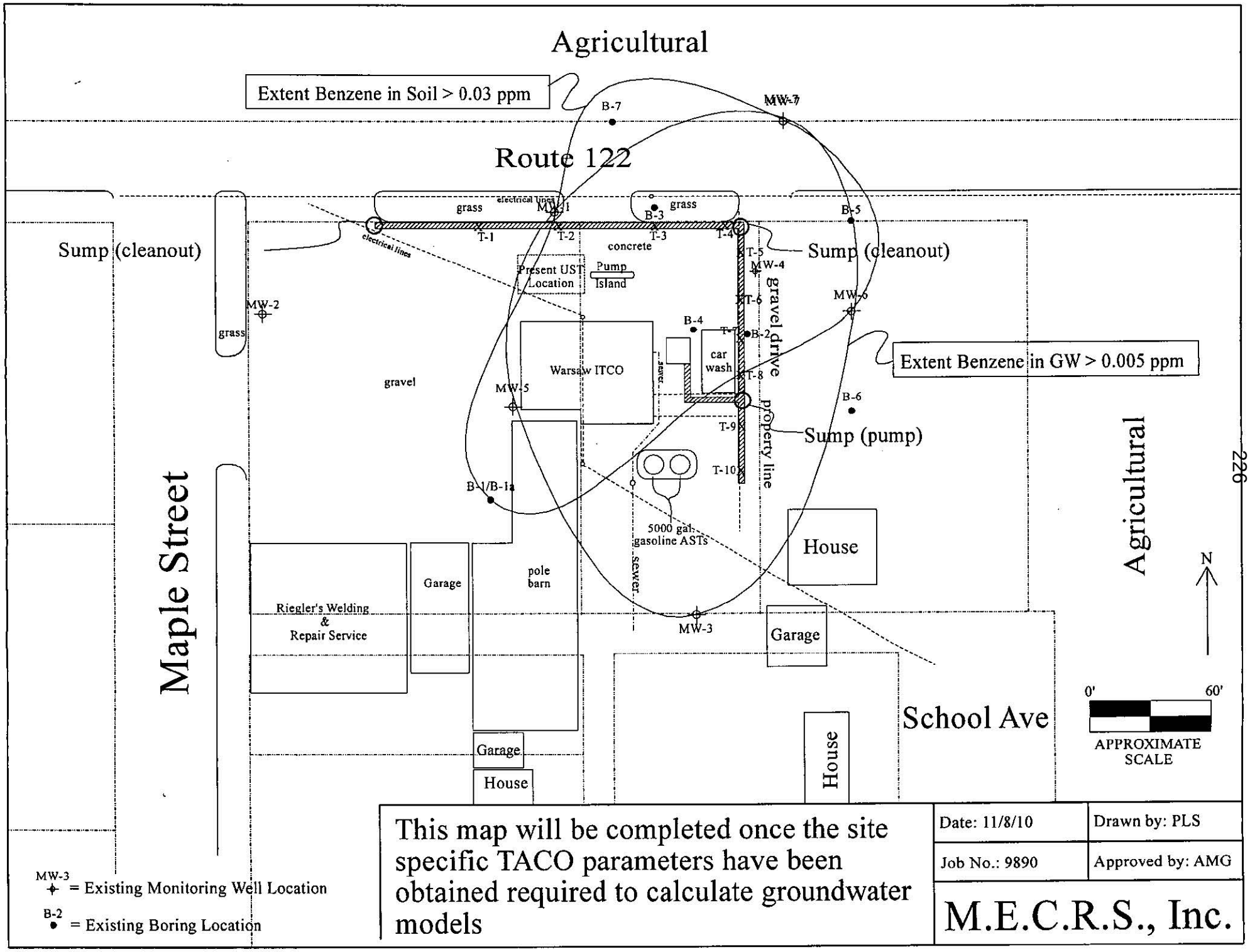
If you have any questions, please contact our office at your earliest convenience.

Sincerely,

Midwest Environmental Consulting and Remediation Services, Inc.

Allan M. Green
President

cc: James Ransdell, IEPA
John Warsaw



APPENDIX E

WATER SUPPLY WELL SURVEY

ILLINOIS
DEPARTMENT OF
NATURAL
RESOURCES

Illinois State Water Survey

Main Office • 2204 Griffith Drive • Champaign, IL 61820-7495 • *Tel (217) 333-2210 • Fax (217) 333-6540*
Peoria Office • P.O. Box 697 • Peoria, IL 61652-0697 • *Tel (309) 671-3196 • Fax (309) 671-3106*

SWS

Ground-Water Section • *Tel (217) 333-4300 • Fax (217) 244-0777*

September 14, 1998

Mr. Greg Heuer
Midwest Environmental, Inc.
22200 Illinois Route 9
P.O. Box 614
Tremont, IL 61568-0614

Dear Mr. Heuer:

As you requested by your telefax letter dated September 4, we are enclosing printouts from our Private Well and Public, Industrial, Commercial Survey (PICS) Database for Sections 14, 15, 22 and 23 of Township 23N., Range 2W., in Tazewell County.

No available information is indicated on the printout by the statement "0 records were found for the specified locations." Also enclosed are explanations of the Illinois State Water Survey Private Well and PICS Database.

The data included in the Private Well Database are those non-municipal wells which are known to the Illinois State Water Survey, and the PICS Database is an inventory of municipal well information and large industrial ground-water users. We may not have a copy of well records for these ground-water users.

The invoice accompanying this request covers the $20.00 query fee for private well information, $20.00 query fee for PICS information and a $0.10 per page charge for 4 pages, plus a $5.00 shipping and handling fee, totaling $45.40.

If you have any questions or if we can be of further assistance, please call.

Sincerely,

Susie Dodd
Assistant Supportive Scientist
Office of Ground-Water Information
Phone: (217) 333-9043

Enclosures

Query the Private Well Database through the World Wide Web
http://gwinfo.sws.uiuc.edu/gwdb-query.html

County: Tazewell

Township Code: 23N
Range Code: 2W
Section Codes: 14, 15, 22, 23

12 records were found for the specified locations.

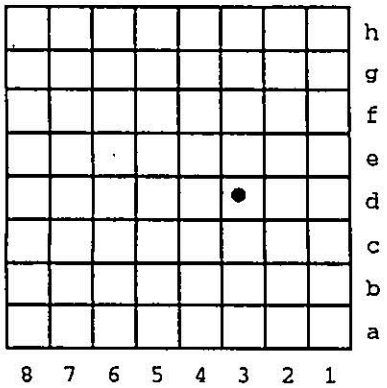
Questions : Contact the Illinois State Water Survey's Ground Water Division @ (217)333-9043
Publication: Please cite the Illinois State Water Survey's Private-Well Database in all publications based wholly or partially on this information.

Please Note:

The data in the Private Well Inventory Database is a listing of those non-municipal wells which are known to the Illinois State Water Survey (ISWS). This information has been entered verbatim from well logs submitted by the driller, chemical analysis reports, well sealing forms, well inventory forms from the 1930-1934 well survey, and other special projects. The accuracy of this data is controlled by those who submitted the form. Information in the private well database has not been verified.

This data cannot be resold or redistributed. The Illinois State Water Survey must be acknowledged in any use of this material.

Location of 10-acre-plot within a Section



The origin can be found at the lower-right-hand corner of an 8 x 8 grid. In this example, the well is in 10-acre plot 3d.

Query the PICS Database through the World Wide Web
http://gwinfo.sws.uiuc.edu/gwdb-query.html

County: Tazewell

Township Code: 23N
Range Code: 2W
Section Codes: 14, 15, 22, 23

4 records were found for the specified locations.

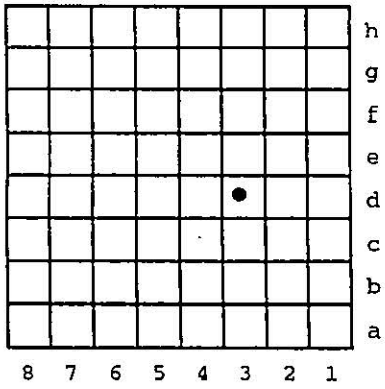
Questions : Contact the Illinois State Water Survey's Ground Water Division @ (217)333-7223
Publication: Please cite the Illinois State Water Survey's PICS (Public-Industrial-Commercial) Database in all publications based wholly or partially on this information.

Please Note:

The data in the PICS Database is a listing of municipal and large industrial and commercial wells which are known to the Illinois State Water Survey (ISWS). The information was initially entered from public water supply data and supplemented with the Illinois Water Inventory Project data. This database is updated as additional information is received and verified.

This data cannot be resold or redistributed. The Illinois State Water Survey must be acknowledged in any publication of this material.

Location of 10-acre-plot within a Section



The origin can be found at the lower-right-hand corner of an 8 x 8 grid. In this example, the well is in 10-acre plot 3d.

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY

1021 North Grand Avenue East, P.O. Box 19276, Springfield, Illinois 62794-9276 Mary A. Gade, Director

217/782-1020

October 8, 1998

Mr. Greg Heuer
Midwest Environmental Services, Inc.
22200 Illinois Route 9, P.O. Box 614
Tremont, Illinois 61568-0614

Re: Request Regarding the location of Community Water Supply Wells in Tazewell County, Illinois. (FOIA #98P0440)

Dear Mr. Heuer:

This letter responds to your written inquiry dated September 4, 1998 regarding your project area located in Section 14, 15, 22 and 23, T23N, R2W.

You requested information pertaining to the nearest community water supply well. Based upon the information provided, the project area appears to be located outside 2,500 feet from a community water supply well.

Currently, there have not been any regulated recharge areas established pursuant to section 17.3 of the Illinois Environmental Protection Act (Act). Further, there have not been any Class III Groundwaters designed pursant to 35 Illinois Administrative Code 620.

The Illinois Department of Public Health should be contacted at (217)782-5830 in regard to the location of private, semi-private or non-community public water supply wells. I trust that this meets your needs. Should you require any further information, please feel free to contact me at the above referenced number.

Sincerely,

Janet Christer

Janet Christer
FOIA Coordinator, Manager's Office
Division of Public Water Supply
Bureau of Water

cc: File

FILE NO. L 1720455007

EXEMPT DOCUMENT NO. 003

THE AGENCY HAS DETERMINED THIS DOCUMENT IS EXEMPT FROM PUBLIC DISCLOSURE

EXEMPT

DOCUMENT

FILE CATEGORY LOST/TECH

DOCUMENT DATE 11-19-2010
(REC DATE)

APPENDIX F

TACO PARAMETER LABORATORY DATA (PREVIOUSLY PROVIDED TO THE IEPA IN THE CAP DATED 1/08/02

TELEPHONE
309-673-2131
TESTS * INVESTIGATIONS
ANALYSIS * DESIGN * EVALUATIONS
CONSULTATION * REPORTS * INSPECTIONS
ARBITRATION * EXPERT WITNESS TESTIMONY
* * * * * * * * * *
SOILS * PORTLAND CEMENT CONCRETE
BITUMINOUS CONCRETE * STEEL
ASPHALT * AGGREGATES * EMULSIONS
POZZOLANIC MATERIALS * LIME

WHITNEY & ASSOCIATES
INCORPORATED
2406 West Nebraska Avenue
PEORIA, ILLINOIS 61604-3193

TELEFAX
309-673-3050
GEOTECHNICAL ENGINEERING
CONSTRUCTION QUALITY CONTROL
SUBSURFACE EXPLORATIONS
ENVIRONMENTAL INVESTIGATIONS
* * * * * * * * * *
MONITORING WELL INSTALLATIONS
BUILT-UP ROOF INVESTIGATIONS
WELDER CERTIFICATIONS
INSURANCE INVESTIGATIONS

CLIENT:

W&A FILE NO. 1897001
DATE: 09-04-01

Mr. Todd Birky
Midwest Environmental Consulting
And Remediation Services, Inc.
P. O. Box 614
Tremont, Illinois 61568-0614

PROJECT:

Warsaw ITCO Site Investigation
Minier, Illinois

SUMMARY OF SOIL INVESTIGATION

BORING NUMBER	SAMPLE DEPTH FEET	NATURAL MOIST DENSITY-PCF	NATURAL DRY DENSITY-PCF	NATURAL MOISTURE CONTENT - %	MATERIAL CLASSIFICATION
B-4	0.5 - 2.5	125.3 2.01 g/cm³	112.1 1.80	11.8	Brown, SILTY CLAYEY SAND - SC-SM; Medium- To Coarse-Grained Sand And Fine-Grained Gravel (REMOLDED)
B-4	4.0 - 6.0	129.2 2.07 g/cm³	110.2 1.77 g/cm³	17.1	Gray-Brown, Olive-Green And Orange-Brown SANDY LEAN CLAY - CL (Clay Loam

Should you have any questions or comments whatsoever in regard to these test results, or any additional information is desired, please do not hesitate to contact me personally at your convenience.

Respectfully submitted,

WHITNEY & ASSOCIATES

(By) _____
Richard R. Whitney, P. E.

RICHARD R. WHITNEY
REGISTERED
PROFESSIONAL ENGINEER
STATE OF ILLINOIS

RRW:rma

TMI Analytical Services, LLC

3430 Constitution Drive, Suite 116
Springfield, Illinois 62707
217-698-0642

Delivery Group ID: 2001:0000549

Customer Midwest Environmental Services
Contact Name: Birky, Todd
P.O. Box 614
Tremont, IL 61568-0614

Date Received: 8/24/01
Date Sampled: 8/23/01

Project Name: 9890 Warsaw-ITCO

18 Sample(s) are included in this Delivery

Sample ID: 2001:0000549-8 **Client's Sample ID:** B-4 0.5-2.5
Program: ENVIRO **Matrix:** Solid

Test Name	Method	MDL	Units	Result
% Moisture	160.3		%	13.3
Fraction of Organic Carbon	SM 209 D		%	2.45
Solids, %	160.3		%	86.7

BTEX, 5035 lo level Method: 8020/5035 Units: µg/kg

Analyte	MDL	Result
Benzene	2.3	8.1 M
Ethylbenzene	2.3	44.7 M
Toluene	2.3	19.0 M
Xylenes	5.8	77.2 M

Sample ID: 2001:0000549-9 **Client's Sample ID:** B-4 4-6
Program: ENVIRO **Matrix:** Soil

Test Name	Method	MDL	Units	Result
% Moisture			%	18.3
Fraction of Organic Carbon	SM 209 D		%	2.55
Solids, %	160.3		%	81.7

BTEX, 5035 lo level Method: 8020/5035 Units: µg/kg

Analyte	MDL	Result
Benzene	122	11600 ME
Ethylbenzene	122	9720 ME
Toluene	122	42700 ME
Xylenes	306	38000 ME

Sample ID: 2001:0000549-10 **Client's Sample ID:** B-5 6-8
Program: ENVIRO **Matrix:** Soil

Test Name	Method	MDL	Units	Result
Solids, %	160.3		%	88.9

BTEX, 5035 lo level Method: 8020/5035 Units: µg/kg

Analyte	MDL	Result
Benzene	2.2	49.0
Ethylbenzene	2.2	38.0
Toluene	2.2	186 E

4/4 Page # of 2

TMI Analytical Services, LLC

3430 Constitution Drive, Suite 116
Springfield, Illinois 62707
(217) 698-0642
(217) 698-0656 Fax

PROJECT #: 9890
PROJECT LOCATION: WARSAW - ITCO
Rt. 122
Minier, IL
REPORT TO: Todd Birky
INVOICE TO: MECRS
PHONE: 309 925-5557
FAX: 309 925-5606

DUE DATE:

Results	
Needed by:	
Actual Date	
Check	X
1	
2	
5	
7	
10	X
15	
20	
Working Days	

SAMPLE NO.	LAB NO.	DATE	DESCRIPTION: PRIORITY	SOIL (SOLID)	WATER (LIQUID)	AIR	PRESERVATIVE	COMPOSITE (X)	METALS: EXT. TOTAL ___ DISSOLVED ___ TCLP ___	RCRA: As Ba Cd Cr Pb Hg Se Ag Cu Zn Ni	OTHER	ORGANICS: EPA 601 8010 PURGEABLE HALOCARBONS P&T, (CIRCLE)	EPA 602 8020 PURGEABLE HALOCARBONS P&T, MTBE (CIRCLE)	BTEX: 8020 (circled) 8260 (CIRCLE) P&T, MTBE (CIRCLE) ENCORE SOILS	EPA 608/8080 PESTICIDES / PCBs (CIRCLE)	EPA 624 / 8260 VOLATILE ORGANICS	EPA 625 / 8270 SEMI - VOLATILE ORGANICS	EPA 625 / 8270 PNAs	TCLP: (CIRCLE) ORGANICS, VOLATILE, SEMI - VOLATILE, PEST&HERB	OTHER (circled) FOC	GENERAL CHEMISTRY: TPH / OIL & GREASE (CIRCLE)	FLASH POINT / IGNITABILITY	CYANIDE: TOTAL, REACTIVE (CIRCLE)	SULFIDES: TOTAL, REACTIVE	TMI WASTE CHARACTERIZATION / PAINT FILTER (CIRCLE)	ph / CORROSIVITY (CIRCLE)	NITROGEN - TYPES	SOLIDS - TYPES:	PHENOLS	PHOSPHOROUS, CHLORIDES (CIRCLE)	BULK DENSITY	TOTAL NUMBER OF SAMPLE CONTAINERS	REMARKS
MW-1	549-1	8/23			X									X																		2	
MW-2	-2	8/23			X									X																		2	
MW-3	-3	8/23			X									X																		2	
MW-4	-4	8/23			X									X																		2	
MW-5	-5	8/23			X									X																		2	
MW-6	-6	8/23			X									X																		2	
MW-7	-7	8/23			X									X																		2	
B-4, 0.5-2.5	-8	8/23		X										X						X												5	
B-4, 4-6'	-9	8/23		X										X						X												5	
B-5, 6-8'	-10	8/23		X										X																		4	
B-6, 4-6'	-11	8/23		X										X																		4	
B-6, 8-10'	-12	8/23		X										X																		4	
B-7, 8-10	-13	8/23		X										X																		4	
B-7, 12-14'	-14	8/23		X										X																		4	
MW-5, 8-10'	-15	8/23		X										X																		4	

ADDITIONAL INFORMATION OR INSTRUCTIONS

Dry Way Bores

CHAIN OF CUSTODY:

Standard turn around time: * 7 working days

* CODES: A-1 AMBER P-PLASTIC V-VOA AC-AIR CANNISTER

** CODES: C- HYDROCHLORIC ACID S- SULPHURIC ACID H- SODIUM HYDROXIDE N- NITRIC ACID O- OTHER

SAMPLED BY:	Todd Birky / Andrew [signature]	DATE		TIME		RECEIVED BY: [signature]		DATE 8-24-01	TIME 11:15
RELINQUISHED BY:	Todd Birky	DATE		TIME		RECEIVED BY:		DATE	TIME
RELINQUISHED BY:		DATE		TIME		RECEIVED BY:		DATE	TIME
RELINQUISHED BY:		DATE		TIME		RECEIVED IN LABORATORY BY:		DATE	TIME

Illinois Environmental Protection Agency
Leaking Underground Storage Tank Program
Laboratory Certification for Chemical Analysis

A. Site Identification

IEMA Incident # (6 digit): 981987 IEPA Generator # (10 digit): 1790455007

Site Name: Warsaw, Howard

Site Address (Not a P.O. Box): Rt. 122

City: Minier County: Tazewell

B. Sample Collector

I certify that:

1. Appropriate sampling equipment/methods were utilized to obtain representative samples. AJF (initial)
2. Chain of custody procedures were followed in the field. AJF (initial)
3. Sample integrity was maintained by proper preservation. AJF (initial)
4. All samples were properly labeled. AJF (initial)

C. Laboratory Representative

I certify that:

1. Proper chain of custody procedures were followed as documented on the chain of custody forms. SAL (initial)
2. Sample integrity was maintained by proper preservation. SAL (initial)
3. All samples were properly labeled. SAL (initial)
4. Quality assurance/quality control procedures were established and carried out. SAL (initial)

5. Sample holding times were not exceeded. SAL (initial)

6. SW-846 Analytical Laboratory Procedure (USEPA) methods were used for the analyses. SAL (initial)

D. Signatures

I hereby affirm that all information contained in this form is true and accurate to the best of my knowledge and belief. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Sample Collector	**Laboratory Representative**
Name: Andrew Fetterolf	Name: Scott A. Reeves
Title: Environmental Technician	Title: Laboratory Manager
Company: MECRS	Company: TMI Analytical Services
Address: 22200 IL Rt. 9 Box 614 Tremont, IL 61568	Address: 3430 Constitution Dr. Springfield, IL 62707
Phone: (309) 925-5551	Phone: 217-~~698~~ 698-0642
Signature: Andrew Fetterolf	Signature: Scott A. Reeves
Date: 8/29/01	Date: 9-10-01

APPENDIX G

BUDGET AMENDMENT

BUDGET AND BILLING FORM FOR LEAKING UNDERGROUND STORAGE TANK SITES

A. SITE INFORMATION

Site Name: Warsaw, Howard

Site Address: Route 122 City: Minier

Zip: 61759

County: Tazewell IEPA Generator No.: 1790455007

IEMA Incident No: 981987 IEMA Notification Date: May 19, 1999

Date this Form was Prepared: November 5, 2010

This form is being submitted as a:

____ Budget Proposal

_X_ Budget Amendment (Budget Amendments must include only the costs over the previous budget)

Amendment Number: 4

____ Billing Package for costs incurred pursuant to 35 Illinois Administrative Code (IAC), Part 732 ("new program)

Name(s) of report(s) documenting the costs requested:

Date(s):

This form is being submitted for the Site Activities indicated below (check one):

____ Early Action

____ Site Classification

____ Low Priority Corrective Action

_X_ High Priority Corrective Action

____ Other (indicate activities):

DO NOT SUBMIT "NEW PROGRAM" COSTS AND "OLD PROGRAM" COSTS AT THE SAME TIME, ON THE SAME FORMS.

IL 532-2263
LPC 494 Rev. 2/99

This form must be submitted in duplicate.

The Agency is authorized to require this information under 415 ILCS 5/1. Disclosure of this information is required. Failure to do so may result in the delay or denial of any budget or payment requested/reimbursed. This form has been approved by the Forms Management Center.

IEMA NO. 981987

If eligible for reimbursement, where should reimbursement checks be sent? Please note that only owners or operators or USTs may be eligible for reimbursement. Therefore, payment can only be made to an owner or operator.

Pay to the order of: Howard Warsaw

Send in care of: Howard Warsaw

Address: Route 122

City: Minier State: IL Zip: 61759

Number of Petroleum USTs in Illinois presently owned or operated by the owner or operator; any subsidiary, parent or joint stock company of the owner or operator; and any company owned by any parent, subsidiary or joint stock company of the owner or operator:

Fewer than 101: X 101 or more: _____

Number of USTs at the site: 7 (Number of USTs included USTs presently at the site and USTs that have been removed.)

Number of incidents reported to IEMA: 2

Incident Numbers assigned to the site due to releases from USTs: 981987, 991610

Please list all tanks which have ever been located at the site and are presently located at the site:

Product Stored	Size (gallons)	Did UST have a release?		Incident No.	Type of Release
gasoline	500	**Yes**	No	981987, 991610	UST & Piping leak, spills/overfills
gasoline	500	**Yes**	No	981987, 991610	UST & Piping leak, spills/overfills
gasoline	2,000	**Yes**	No	981987, 991610	UST & Piping leak, spills/overfills
diesel	2,500	Yes	**No**	N/A	N/A
gasoline	2,500	Yes	**No**	N/A	N/A
gasoline	2,500	Yes	**No**	N/A	N/A
gasoline	2,500	Yes	**No**	N/A	N/A
		Yes	No		
		Yes	No		

This form must be submitted in duplicate.

IEMA No. 981987

B. PROPOSED BUDGET SUMMARY AND BUDGET TOTAL

1. Investigation Costs:	$0.00
2. Analysis Costs:	$362.79
3. Personnel Costs:	$50,488.00
4. Equipment Costs:	$291.80
5. Field Purchases and Other Costs:	$7,800.00
6. Handling Charges:	$1,299.22
TOTAL PROPOSED BUDGET =	**$60,241.81**

This form must be submitted in duplicate.

IEMA No. 981987

F. ANALYSIS COSTS

1. Physical Soil Analysis - This must only include ***analysis*** costs for classification of soil types at the site.

_____	Moisture Content Samples X	_____	per sample =	$0.00
_____	Soil Classification samples X	_____	per sample =	$0.00
	Indication method to be performed:	_____		
_____	Soil Particle Size Samples X	_____	per sample =	$0.00
_____	Ex-Situ Hydraulic Conductivity/Permeability Samples			
	X	_____	per sample =	$0.00
	Indicate method to be performed:	ASTM D5084-90		
_____	Rock Hydraulic Conductivity/Permeability samples			
	X	_____	per sample =	_____
1	Natural Organic Carbon Fraction (foc) samples			
	X	$43.11	per sample =	$43.11
	Indicate the ASTM or SW-846 method to be performed:	_____		
_____	Soil Bulk Density samples X	_____	per sample =	$0.00
1	soil particle density samples X	$120.00	per sample =	$120.00
_____	_____ samples X	_____	per sample =	0
_____	_____ samples X	_____	per sample =	0
_____	_____ samples X	_____	per sample =	0

2. Soil Analysis Costs - This must be for laboratory ***analysis*** only.

_____	BTEX	samples X	$70.00	per sample = $0.00
_____	TPHg	samples X	$133.04	per sample = $0.00
1	pH	samples X	$15.88	per sample = $15.88

This form must be submitted in duplicate.

IEMA NO. 981987

	metals prep	samples X	$17.45	per sample =	$0.00
	total arsenic	samples X	$17.45	per sample =	$0.00
	total barium	samples X	$10.90	per sample =	$0.00
	total cadmium	samples X	$17.45	per sample =	$0.00
	total chromium	samples X	$10.90	per sample =	$0.00
	total Lead	samples X	$17.45	per sample =	$0.00
	total mercury	samples X	$10.90	per sample =	$0.00
	total selenium	samples X	$17.45	per sample =	$0.00
	total silver	samples X	$10.90	per sample =	$0.00
	Lab and/or Field Blank	samples X		per sample =	$0.00
	microbial plate count	samples X	$100.00	per sample =	$0.00
		samples X		per sample =	$0.00
		samples X		per sample =	$0.00
		samples X		per sample =	$0.00

3. **Groundwater Analysis Costs** - This must be for laboratory ***analysis*** only.

2	BTEX	samples X	$91.90	per sample =	$183.80
	TPHg	samples X	$133.04	per sample =	$0.00
	COD	samples X	$32.71	per sample =	$0.00
	pH	samples X	$15.27	per sample =	$0.00
	nitrogen	samples X	100	per sample =	$0.00
	phospohorus	samples X	100	per sample =	$0.00
	Total Plate Count	samples X	$100.00	per sample =	$0.00
	total cadmium	samples X	19.63	per sample =	$0.00
	total iron	samples X	$13.09	per sample =	$0.00
	total chormium	samples X	13.09	per sample =	$0.00
	total zinc	samples X	$37.80	per sample =	$0.00
	total mercury	samples X	28.35	per sample =	$0.00
	total lead	samples X	$19.63	per sample =	$0.00
	total selenium	samples X	$16.36	per sample =	$0.00
	total arsenic	samples X	$19.63	per sample =	$0.00
	total silver	samples X	$13.09	per sample =	$0.00
	total barium	samples X	$13.09	per sample =	$0.00

Total Analysis Costs = **$362.79**

This form must be submitted in duplicate.

IEMA NO. 981987

G. PERSONNEL

All personnel costs that are not included elsewhere in the budget/billing form must be listed here. Costs must be listed per task, not personnel type. The following are some examples of tasks: Drafting, data collection, plan, report or budget preparation for _____(i.e., site classification work plan, 45 day report, or high priority corrective action budget), sampling, field oversight for _____ (i.e. drilling/well installation, corrective action, or early action), of maintenance of _____ . The above list is not inclusive of all possible tasks.

Thomas Clark, PE
Sr. Professional Engineer (PG) : 10 hours x $125.00 per hour = $1,250.00

Task to be performed for the above hours: Review and Certify CACR

Andrew Fetterolf
Project Manager : 20 hours x $78.00 per hour = $1,560.00

Task to be performed for the above hours: groundwater sampling, planning, sample prep

Todd Birky
Sr. Project Manager : 205 hours x $98.00 per hour = $20,090.00

Task to be performed for the above hours: Corrective Action implementation

Allan Green
Sr. Project Manager : 40 hours x $98.00 per hour = $3,920.00

Task to be performed for the above hours: Planning, CAP & Budget amendment

Todd Birky
Project Manager : 100 hours x $98.00 per hour = $9,800.00

Task to be performed for the above hours: CAP Preparation; design, research

Gaye Lynn Green
Sr. Acct. Technician : 16 hours x $55.00 per hour = $880.00

Task to be performed for the above hours: Reimbursement forms and documentation

Gaye Lynn Green
Sr. Admin. Assist. : 24 hours x $42.00 per hour = $1,008.00

Task to be performed for the above hours: Report/Reimbursement review, copy, bind and mail

Todd Birky
Project Manager : 50 hours x $98.00 per hour = $4,900.00

Task to be performed for the above hours: Water Permitting; IEPA Water Correspondence

Penny Silzer
Sr. Geologist, PG : 12 hours x $100.00 per hour = $1,200.00

Task to be performed for the above hours: review and certify reimbursement, CAP & Budgets

Penny Silzer
Sr. Project Manager : 60 hours x $98.00 per hour = $5,880.00

Task to be performed for the above hours: HAA, ELUC, Village Ordinance, perform TACO calculations, slug test analysis

TOTAL = $50,488.00

This form must be submitted in duplicate.

IEMA No. 981987

H. EQUIPMENT COSTS

All equipment used must be listed below in a time and materials format. **Handling charges should not be added here; use Section J.**

Equipment	Own or Rent?	Time Used	Unit Rate	Total Cost/Item
Company Vehicle & mob @ site(per mile)	Own	460	$0.58	$266.80
data logger	own		$100.00	$0.00
well sampling equipmetn	own	1	$25.00	$25.00
				$0.00
				$0.00
				$0.00
				$0.00
				$0.00
				$0.00
				$0.00
				$0.00
				$0.00
				$0.00
				$0.00
				$0.00
				$0.00
				$0.00
				$0.00
				$0.00
				$0.00
				$0.00
				$0.00
				$0.00
				$0.00

Total: $291.80

This form must be submitted in duplicate.

IEMA No. 981987

I. FIELD PURCHASES AND OTHER COSTS

All field purchases must be listed below in a time and materials format. **Handling Charges must not be added here; use Section J, Handling Charges to calculate the handling charges.**

Field Purchases	Quantity	Price/Item	Total Cost	Do Handling Charges Apply?

Subtotal page I-1 **$0.00**

This form must be submitted in duplicate.

IEMA No 981987

Other Costs - A listing and description of all other costs which will be/were incurred and are not specifically listed on this form should be attached. The listing should include a cost breakdown in a time and materials format.

Air pemit and renewal	**$400.00**
Water Permit	**$6,000.00**
Repair of blower by IOEM	**$1,400.00**

Total Other Costs = **$7,800.00**

Subtotal I-1 = **$0.00**

Total pages I-1 and I-2: **$7,800.00**

This form must be submitted in duplicate.

IEMA No. 981987

J. HANDLING CHARGES

Handling charges are eligible for payment on subcontractor billings and/or field purchases only if they are equal to or less than the amounts determined on the following table:

Subcontractor or Field **Purchase Cost**	Eligible Charges as a **Percentage Of Cost**
$1 - $5000	12%
$5,001 - $15,000	$600 + 10% of amt. Over $5,000
$15,001 - $50,000	$1,600 + 8% of amt. Over $15,000
$50,001 - $100,000	$4,400 + 5% of amt. Over $50,000
$100,001 - $1,000,000	$6,900 + 2% of amt. Over $100,000

A. Subcontractor Charges

Subcontractor	Section in these Forms where Cost is Listed	Subcontractor Amount
IEPA - Air	I	$400.00
IEPA - Water	I	$6,000.00
IOME	I	$1,400.00

Subtotal J-1 : $7,800.00

This form must be submitted in duplicate.

IEMA No. 981987

B. Field Purchases

Subcontractor	Section in these Forms where Cost is Listed	Subcontractor Amount

Subtotal Page J-2: $0.00

Subtotal of Pages J-1 and J-2: $7,800.00

Handling Charge*: **$1,320.00**

This form must be submitted in duplicate.

IEMA No. 981987

M. JUSTIFICATION FOR BUDGET AMENDMENTS

If this form is being submitted for an amendment, you must submit a narrative justifying the need for the amendment. If the amendment includes a revision in a corrective action proposal, a new proposal must be submitted.

Please see narrative attached Corrective Action Plan.

This page must be submitted in duplicate.

Owner/Operator and Professional Engineer Budget Certification Form for Leaking Underground Storage Tanks Sites

In accordance with 415 ILCS 5/57, if an owner or operator intends to seek payment from the UST Fund, an owner or operator must submit to the Agency, for the Agency's approval or modification, a budget which includes an accounting of all costs associated with the implementation of the investigative, monitoring and/or corrective action plans.

I hereby certify that I intend to seek payment from the UST Fund for performing High Priority Corrective Action activities at Warsaw, Howard LUST site. I further certify that the costs set forth in this budget are necessary activities and are reasonable and accurate to the best of my knowledge and belief. I also certify that the costs included in this budget are not for corrective action in excess of the minimum requirements of 415 ILCS 5/57 and no costs are included in this budget which are not described in the corrective action plan. I further certify that costs ineligible for payment from the Fund pursuant to 35 Illinois Administrative Code Section 732.606 are not included in the budget proposal or amendment. Such ineligible costs include but are not limited to:

Costs associated with ineligible tanks.
Costs associated with site restoration (e.g., pump islands, canopies).
Costs associated with utility replacement (e.g., sewers, electrical, telephone, etc.).
Costs incurred prior to IEMA notification.
Costs associated with planned tank pulls.
Legal defense costs.
Costs incurred prior to July 28, 1989.
Costs associated with installation of new USTs or the repair of existing USTs.

Owner/Operator: John Warsaw Title: Owner

Signature: John D. Warsaw Date: 11/13/10

Subscribed and sworn to before me the 13th day of November 2010.

(Budget Proposals and Budget Amendments must be notarized when the certification is signed.)

Dave Lynn Green Seal: OFFICIAL SEAL GAYE LYNN GREEN NOTARY PUBLIC - STATE OF ILLINOIS MY COMMISSION EXPIRES:04/02/13

(Notary Public)

P.E./PG: Penny Silzer Seal: LICENSED PROFESSIONAL GEOLOGIST PENNY L SILZER NO 196-000256 ILLINOIS

P.E./PG Signature: Penny Silzer Date: 11/8/10

Subscribed and sworn to before me the 8th day of November, 2010.

(Budget Proposals and Budget Amendments must be notarized when the certification is signed.)

Dave Lynn Green Seal: OFFICIAL SEAL GAYE LYNN GREEN NOTARY PUBLIC - STATE OF ILLINOIS MY COMMISSION EXPIRES:04/02/13

(Notary Public)

The Agency is authorized to require this information under 415 ILCS 5/57. Disclosure of this information is required. Failure to do so may result in the delay or denial of any budget or payment requested hereunder. This form has been approved by the Forms Management Center.

RECEIVED
NOV 19 2010
IEPA/BOL

LEAKING UST TECHNICAL REVIEW NOTES

Reviewed by: Jim Ransdell
Date Reviewed: 3/15/11
Amended CAP/Bu Rec'd 11/19/10

Re: LPC #1790455007 -- Tazewell County
Minier/Warsaw
Warsaw Itco/Rt. 122
UST Tech
Warsaw, Howard 981987

Corrective Action Plan/Bu Rec'd 11/19/10:

Plan proposes a Taco, and a pathways exposure evaluation.
Will determine site-specific parameters (Remediation Objectives) pursuant to Section 732.408

1. Proposing to the Village of Minier to adopt a Groundwater Ordinance
2. Proposing to obtain Highway Authority Agreement (HAA) with the Illinois Department of Transportation (IDOT) for the contamination under Ill. Rt. 122.
3. Proposing that concrete on-site as an Engineered Barrier.
4. Site will be limited to Industrial/Commercial land use.
5. A Construction Worker Caution statement in the NFR.
6. An ELUC is proposed for property east of the site. (residential)
7. MW-4 and MW-7 will be sampled for BTEX

Budget

$34,790.00 deduction in Personnel Costs for Costs of corrective action implementation, CAP preparation, design, and research, and permitting costs associated with enhanced bioremediation and a groundwater treatment system.

$7,800.00 deduction in Field Purchases and Other Costs for Bureau of Air and Bureau of Water permitting and repair of equipment

The costs are not consistent with materials, activities, and services associated an Illinois EPA-approved technical plan. One of the overall goals of the financial review is to assure that costs associated with materials, activities, and services are consistent with the associated technical plan. Such costs are ineligible for payment from the Fund pursuant to Section 57.7(c)(3) of the Act and 35 Ill. Adm. Code 734.510(b).

The plan at hand, which is approved, does not propose corrective action activities involving enhanced bioremediation and/or a groundwater treatment system.

RELEASABLE
10 2011

Costs for Soil Bulk Density ($24.96) and Moisture Content ($13.61) were added to Budget to complete 732.408

Illinois EPA Recommendation/Comments:

Plan will be approved for TACO and Institutional Controls. The Budget will be Modified to reflect current CAP proposals.

TAH:JSR

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY

1021 North Grand Avenue East, P.O. Box 19276, Springfield, Illinois 62794-9276 • (217) 782-2829
James R. Thompson Center, 100 West Randolph, Suite 11-300, Chicago, IL 60601 • (312) 814-6026

PAT QUINN, GOVERNOR DOUGLAS P. SCOTT, DIRECTOR

217/782-6762

CERTIFIED MAIL

MAR 18 2011

7009 3410 0002 3807 9759

Howard Warsaw
Rt. 122
Minier, Illinois 61759

Re: LPC #1790455007 -- Tazewell County
Minier/Warsaw, Howard
WarsawItco/Rt.122
Leaking UST Incident No. 981987
Leaking UST Technical File

RELEASABLE
MAR 18 2011
REVIEWER MD

Dear Mr. Warsaw:

The Illinois Environmental Protection Agency (Illinois EPA) has reviewed the Amended Corrective Action Plan (plan) submitted for the above-referenced incident. This plan, dated November 8, 2010, was received by the Illinois EPA on November 19, 2010. Citations in this letter are from the Environmental Protection Act (Act), as amended by Public Act 92-0554 on June 24, 2002, and Public Act 96-0908 on June 8, 2010, and 35 Illinois Administrative Code (35 Ill. Adm. Code).

Pursuant to Sections 57.7(b)(2) and 57.7(c) of the Act and 35 Ill. Adm. Code 734.505(b) and 734.510(a), the plan is approved. The activities proposed in the plan are appropriate to demonstrate compliance with Title XVI of the Act. Please note that all activities associated with the remediation of this release proposed in the plan must be executed in accordance with all applicable regulatory and statutory requirements, including compliance with the proper permits.

In addition, the budget is modified pursuant to Sections 57.7(b)(3) and 57.7(c) of the Act and 35 Ill. Adm. Code 734.505(b) and 734.510(b). Based on the modifications listed in Section 2 of Attachment A, the amounts listed in Section 1 of Attachment A have been approved. Please note that the costs must be incurred in accordance with the approved plan. Be aware that the amount of payment from the Fund may be limited by Sections 57.7(c), 57.8(d), 57.8(e), and 57.8(g) of the Act, as well as 35 Ill. Adm. Code 734.630 and 734.655.

If the owner or operator agrees with the Illinois EPA's modifications, submittal of an amended plan and/or budget, if applicable, is not required (Section 57.7(c) of the Act).

Pursuant to Sections 57.7(b)(5) and 57.12(c) and (d) of the Act and 35 Ill. Adm. Code 734.100 and 734.125, the Illinois EPA requires that a Corrective Action Completion Report that achieves compliance with applicable remediation objectives be submitted within 30 days after completion of the plan to:

Attachment A

Re: LPC # 1790455007 -- Tazewell County
Minier/Warsaw, Howard
Warsaw Itco/Rt. 122
Leaking UST Incident No. 981987
Leaking UST Technical File

SECTION 1

As a result of the Illinois EPA's modification(s) in Section 2 of this attachment, the following amounts are approved:

$0.00	Investigation Costs
$401.36	Analysis Costs
$15,698.00	Personnel Costs
$291.80	Equipment Costs
$0.00	Field Purchases and Other Costs

Handling charges will be determined at the time a billing package is reviewed by the Illinois EPA. The amount of allowable handling charges will be determined in accordance with Section 57.8(f) of the Environmental Protection Act (Act) and 35 Illinois Administrative Code (35 Ill. Adm. Code) 732.607.

SECTION 2

1. $34,790.00 deduction in Personnel Costs for costs for corrective action implementation, CAP preparation, design, and research, and permitting costs associated with enhanced bioremediation and a groundwater treatment system

   $7,800.00 deduction in Field Purchases and Other Costs for Bureau of Water and Bureau of Air permitting and repair of equipment

   These costs are not consistent with materials, activities, and services associated with an Illinois EPA-approved technical plan. One of the overall goals of the financial review is to assure that costs associated with materials, activities, an services are consistent with the associated technical plan. Such costs are ineligible for payment from the Fund pursuant to Section 57.7(c)(3) of the Act and 35 Ill. Adm. Code 734.510(b).

   The plan at-hand, which is approved, does not propose corrective action activities involving enhanced bioremediation and/or a groundwater treatment system.

Illinois Environmental Protection Agency
Bureau of Land - #24
Leaking Underground Storage Tank Section
1021 North Grand Avenue East
Post Office Box 19276
Springfield, IL 62794-9276

Please submit all correspondence in duplicate and include the Re: block shown at the beginning of this letter.

If within four years after the approval of this plan, compliance with the applicable remediation objectives has not been achieved and a Corrective Action Completion Report has not been submitted, the Illinois EPA requires the submission of a status report pursuant to Section 57.7(b)(6) of the Act.

Please be advised that, pursuant to Public Act 96-0908, effective June 8, 2010, all releases of petroleum from USTs are subject to Title XVI of the Act, as amended by Public Act 92-0554 on June 24, 2002, and Public Act 96-0908 on June 8, 2010, and 35 Ill. Adm. Code 734. The regulations at 35 Ill. Adm. Code 732 no longer exist, and the only releases subject to 35 Ill. Adm. Code 731 are those from hazardous substance USTs.

An underground storage tank system owner or operator may appeal this decision to the Illinois Pollution Control Board. Appeal rights are attached.

If you have any questions or need further assistance, please contact Jim Ransdell at 217/557-6938.

Sincerely,

Thomas A. Henninger

Thomas A. Henninger
Unit Manager
Leaking Underground Storage Tank Section
Division of Remediation Management
Bureau of Land

TAH:JSR

Attachment: Attachment A

c: Midwest Environmental Consulting & Remediation Services, Inc.
BOL File

A Moisture Content sample and a Soil Bulk Density sample has been approved, costs are added to Analytical Costs to complete Section 734.410 (Remediation Objectives).

TAH:JSR

Appeal Rights

An underground storage tank owner or operator may appeal this final decision to the Illinois Pollution Control Board pursuant to Sections 40 and 57.7(c)(4) of the Act by filing a petition for a hearing within 35 days after the date of issuance of the final decision. However, the 35-day period may be extended for a period of time not to exceed 90 days by written notice from the owner or operator and the Illinois EPA within the initial 35-day appeal period. If the owner or operator wishes to receive a 90-day extension, a written request that includes a statement of the date the final decision was received, along with a copy of this decision, must be sent to the Illinois EPA as soon as possible.

For information regarding the filing of an appeal, please contact:

Dorothy Gunn, Clerk
Illinois Pollution Control Board
State of Illinois Center
100 West Randolph, Suite 11-500
Chicago, IL 60601
312/814-3620

For information regarding the filing of an extension, please contact:

Illinois Environmental Protection Agency
Division of Legal Counsel
1021 North Grand Avenue East
Post Office Box 19276
Springfield, IL 62794-9276
217/782-5544

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY

1021 North Grand Avenue East, P.O. Box 19276, Springfield, Illinois 62794-9276 • (217) 782-2829
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PAT QUINN, GOVERNOR DOUGLAS P. SCOTT, DIRECTOR

217/782-6762

CERTIFIED MAIL

7009 3410 0002 3807 9759

MAR 1 8 2011

Howard Warsaw
Rt. 122
Minier, Illinois 61759

Re: LPC #1790455007 -- Tazewell County
Minier/Warsaw, Howard
WarsawItco/Rt.122
Leaking UST Incident No. 981987
Leaking UST Technical File

Dear Mr. Warsaw:

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SENDER: COMPLETE THIS SECTION

- 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.

1. Article Addressed to:

Howard Warsaw
Rt. 122
Minier, IL 61759

COMPLETE THIS SECTION ON DELIVERY

A. Signature
X H R Warsaw ☐ Agent ☐ Addressee

B. Received by (Printed Name) H R Warsaw C. Date of Delivery 3/19/11

D. Is delivery address different from item 1? ☐ Yes
If YES, enter delivery address below: ☐ No

TAH JR 981987

3. Service Type
☑ Certified Mail ☐ Express Mail
☐ Registered ☐ Return Receipt for Merchandise
☐ Insured Mail ☐ C.O.D.

4. Restricted Delivery? (Extra Fee) ☐ Yes

2. Article Number (Transfer from service label) 7009 3410 0002 3807 9759

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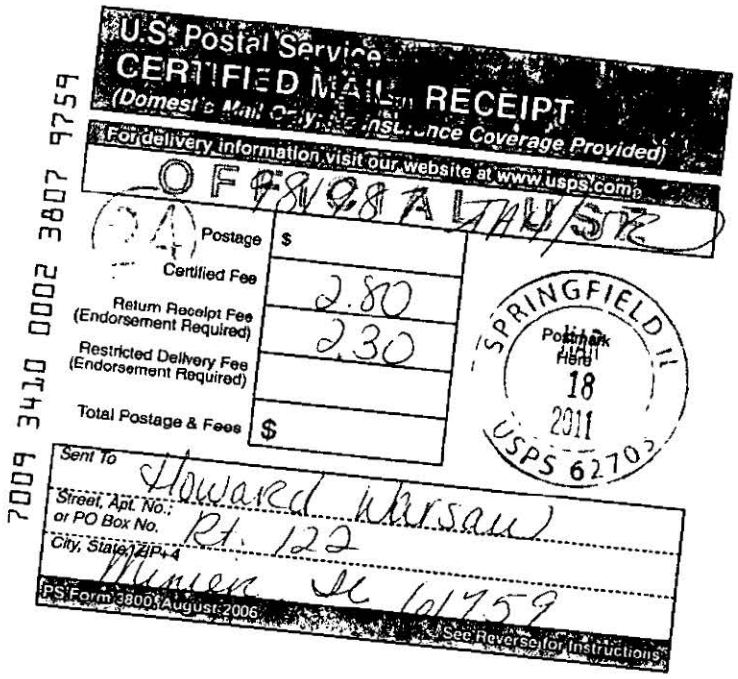

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Illinois Environmental Protection Agency
P.O. BOX 19276 MAIL CODE #
SPRINGFIELD, IL 62794-9276

12A

Category Code	BUREAU OF LAND FILE CATEGORIES
00	All Category
01	FOS
02	General Correspondence
03	Solid Waste Permits
03A	Special Waste Stream Permit Ltrs
03B	Permit Denials
03I	CCDD
03O	Permit Landfill 807
03R	Permit Storage/Treatment 807
03S	Permit Landfill 810-817
03T	Permit Compost
03U	Permit PIMW
04	Plans
06	Groundwater
06A	Groundwater Non-Haz Waste Rei LPC-160's
08	Compliance
10	Hazardous Waste Annual Reports (Straight to Mic/Image)
10A	Non-Hazardous Waste Annual Reports (Straight to Mic/Image)
10B	Compost Annual Reports (Straight to Mic/Image)
10C	PIMW Annual Reports (Straight to Mic/Image)
10D	815 On-Site Annual Reports (Straight to Mic/Image)
10E	813 Annual Reports (Straight to Mic/Image)
10F	21D Annual Reports (Straight to Mic/Image)
10H	CCDD Annual Reports
11	Grants/SMW
12	Manifests
19A	SF/HRS
19B	SF/CA (Cooperative Agreement)
19C	SF/Tech Reports
19D	SF/Fiscal
19E	SF/Fiscal Bids
19F	SF/Administrative Record Index (Straight to Mic/Image)
19G	SF/Administrative Record Documents (Straight to Mic/Image)
19H	SF/Contractor Files (Straight to Mic/Image)
20A	Fee (Solid Waste Quarterly Report)
20B	Financial
20E	Cost Recovery
21A	LUST/Tech Reports
21B	LUST Fiscal
22	EXEMPT from public disclosure(Re-Determined)
22A	RELEASABLE Previously Exempted Docs
22B	Exempt Trade Secret
22C	Exempt Security Sensitive
23A	UIC/Admin Rec
23B	UIC/Auth By Rule
23C	UIC/Closure
23D	UIC/Compliance
23E	UIC/FOS
23F	UIC/GEO Logs
23G	UIC/History
23H	UIC/Land Ban
23I	UIC/Monthly Report
23J	UIC/Class V
24A	RCRA/Permits
24B	RCRA/Closure
24C	Subpart F
24D	RCRA Permits Administrative Record
24E	Subpart F Rejected LPC's
25	Hauler Permits
25A	Used Tire Transporter
25B	PIMW Hauler Permits
25C	Uniform Program HWH Permits
26	Noise
26A	Noise Variance (Complaints)
26B	Noise Variance Legal
26C	Noice Variance Tech
27A	Site Remediation - Technical (Mic/Image Only)
27B	Site Remediation - Fiscal (Mic/Image Only)
28	Miscellaneous
29	County General
30	Insert Sheet Material

31A	Site Remediation - Technical
31B	Site Remediation - Fiscal
32A	Brownfields Grant Administration
32B	Brownfields Grant Fiscal
32C	Brownfields Loan Administration
32D	Brownfields Loan Fiscal
99	Criminal Withheld