

Site Investigation Report

Y Go By Tavern
N3215 County Hwy Y
Clintonville (Town of Belle Plaine), Wisconsin

January 20, 2015
by METCO
WDNR File Reference #: 03-59-220671
PECFA Claim #: 54929-9148-15-A



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This document was prepared by:

A handwritten signature in black ink, appearing to read "Jason T. Powell", is written over a horizontal line.

Jason T. Powell
Staff Scientist

A handwritten signature in black ink, appearing to read "Ronald J. Anderson", is written over a horizontal line.

Ronald J. Anderson, P.G.
Senior Hydrogeologist/Project Manager



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January 20, 2015

WDNR BRRTS#: 03-59-220671
PECFA Claim #: 54929-9148-15-A

Arland Dillenburg
N4821 Hwy 22 South
Shawano, WI 54166

Dear Mr. Dillenburg,

Enclosed is our "Site Investigation Report" concerning the Y Go By Tavern site in Clintonville (Town of Belle Plaine), Wisconsin. This report presents the complete data from all investigation activities.

According to the data collected during the investigation, it is the conclusion of METCO that under existing conditions and limitations, the extent and degree of petroleum contamination has been adequately defined in soil and groundwater to warrant a completed investigation as defined by the WDNR guidelines and regulations.

Due to the NR720 Non-Industrial Direct Contact RCL exceedances in boring G-7, and the elevated levels of contamination at depth in borings G-1, G-2, G-7, and G-9, METCO recommends that the soil be excavated to eliminate the direct contact risks, while also reducing the contaminant mass. Post excavation activities would then consist of well replacement (MW-1) and one year of post excavation groundwater monitoring to move the site toward closure. If the state concurs, please contact METCO to discuss the workscope.

We appreciate the opportunity to be of service to you on this project. Should you have any questions or require additional information, do not hesitate to contact our La Crosse office.

Sincerely,

Jason T. Powell
Staff Scientist

C: Tom Verstegen – WDNR

**Site Investigation Report - METCO
Y Go By Tavern**

EXECUTIVE SUMMARY

A tavern operated on the subject property for many years. The tavern closed after a fire in 1998 and the building is currently used for storage. The tavern formerly had a UST system for retail fuel sales that operated from approximately the 1950's until 1976. In 1976, a 300-gallon gasoline UST was removed from the subject property.

In April 1999, during a preliminary investigation, several soil borings were completed with soil samples collected for laboratory analysis. Petroleum contamination was detected in the soil samples and subsequently reported to the WDNR, who then required that a site investigation be conducted. There is no report or map available from this preliminary investigation and further details of this investigation are unknown.

The Geoprobe Project, Drilling Project, and two rounds of groundwater monitoring clearly show that released petroleum products have impacted the local soil and groundwater. Results of the investigation are as follows:

- Geologic material in the area of investigation generally consists of tan to red sandy clay from surface to depths ranging from 5 to 8 feet bgs, which is underlain by very fine grained sand to at least 24 feet bgs.
- Bedrock was not encountered during the site investigation. The unconsolidated materials are underlain by crystalline bedrock at approximately 150-200 feet below ground surface.
- According to data collected from the monitoring wells, the depth to groundwater ranges from 12.91 to 13.67 feet bgs depending on well location and time of year. The local horizontal groundwater flow in the immediate area of the subject property is generally to the south.
- An area of unsaturated soil contamination, which exceeds the NR720 Groundwater RCL values, exists in the area of the former UST and dispenser island and consists of an irregular shaped area that appears to measure up to 24 feet long, up to 15 feet wide, and up to 14 feet thick.
- A dissolved phase contaminant plume exceeding the NR140 ES and PAL has formed at the watertable in the area of the removed UST and dispenser and has migrated toward the southwest. This plume is approximately 60 feet long and 21 feet wide.
- Based on the most recent groundwater analytical results, one of the monitoring wells (MW-1) shows NR140 ES exceedances. None of the other monitoring wells show any NR140 PAL exceedances or detects for any

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contaminants of concern.

- Based on the receptor survey, there does not appear to be any risk of contaminant migration along utility corridors or vapor intrusion to nearby buildings. However, it should be noted that the subject property and other nearby properties are served by private potable wells. The on-site potable well samples showed no laboratory detects for VOC's (Method 524.2).

According to the data collected during the investigation, it is the conclusion of METCO that under existing conditions and limitations, the extent and degree of petroleum contamination has been adequately defined in soil and groundwater to warrant a completed investigation as defined by the WDNR guidelines and regulations.

Due to the NR720 Non-Industrial Direct Contact RCL exceedances in boring G-7, and the elevated levels of contamination at depth in borings G-1, G-2, G-7, and G-9, METCO recommends that the soil be excavated to eliminate the direct contact risks, while also reducing the contaminant mass. Post excavation activities would then consist of well replacement (MW-1) and one year of post excavation groundwater monitoring to move the site toward closure. If the state concurs, please contact METCO to discuss the workscope.

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1.0 INTRODUCTION AND BACKGROUND

A Site Investigation is required by the Wisconsin Department of Natural Resources (WDNR) by authority of Section 292.11 of the Wisconsin Statutes. According to the WDNR, any soil that tests more than 10 ppm Gasoline Range Organics (GRO) or Diesel Range Organics (DRO) requires an investigation. Any soil that tests more than the Chapter NR720 Groundwater Residual Contaminant Levels (RCLs), Direct Contact RCLs, and/or Soil Saturation (C-sat) Values may require possible remediation. Any groundwater that tests more than the Preventive Action Limits (PAL) or Enforcement Standards (ES) for compounds listed in Chapter NR140 Groundwater Quality Standards requires an investigation and possible remediation. For a further explanation of WDNR rules and regulations, see Appendix E.

This report presents data collected during the Site Investigation. The purpose of this investigation was to:

- 1) Determine the extent and degree of petroleum contamination in the environment.
- 2) Determine if any risks exist to the environment or public health.
- 3) As conditions warrant, bring the site to closure.

1.1 Responsible Party Information

Arland Dillenburg
N4821 Hwy 22 South
Shawano, WI 54166
(715) 853-9747

1.2 Consultant Information

Consultant

METCO
Ronald J. Anderson P.G.
Jason T. Powell
709 Gillette Street, Suite 3
La Crosse, WI 54603
(608) 781-8879

Subcontractors

DKS Transport Services, LLC
N7349 548th Street
Menomonie, WI 54751
(715) 556-2604

Fauerbach Surveying & Engineering
P.O. Box 140
Hillsboro, WI 54634
(608) 489-3363

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Geiss Soil and Samples, LLC
W4490 Pope Road
Merrill, WI 54452
(715) 539-3928

Synergy Environmental Lab
1990 Prospect Court
Appleton, WI 54914
(920) 830-2455

1.3 Site Location

Site address:
N3215 County Hwy Y
Clintonville (Town of Belle Plaine), WI 54929

Latitude and Longitude:
44° 42' 17" N and 88° 40' 37" W

WTM Coordinates:
624820, 471001

Township/Range:
NE ¼, NW ¼, Section 28, Township 26 North, Range 15 East, Shawano County

1.4 Site History

A tavern operated on the subject property for many years. The tavern closed after a fire in 1998 and the building is currently used for storage. The tavern formerly had a UST system for retail fuel sales that operated from approximately the 1950's until 1976. In 1976, a 300-gallon gasoline UST was removed from the subject property.

In April 1999, during a preliminary investigation, several soil borings were completed with soil samples collected for laboratory analysis. Petroleum contamination was detected in the soil samples and subsequently reported to the WDNR, who then required that a site investigation be conducted. There is no report or map available from this preliminary investigation and further details of this investigation are unknown.

No other LUST or ERP sites are known to exist within one half mile of the subject property.

2.0 GEOLOGY AND RECEPTORS

2.1 Regional and Local Geology and Hydrogeology

Topography and Regional Setting

According to the USGS Hydrologic Atlas, the subject property is located in the northern portion of the Fox-Wolf River Basin. This area is characterized by a relatively flat plain formed by glacial lake deposits. Low hills and several small kettle lakes exist in this area. To the west, the topography becomes more prominent with north south oriented ridges formed by glacial moraine and outwash deposits.

The elevation of the site is approximately 835 feet above Mean Sea Level (MSL). See Appendix A for site location.

Soil and Bedrock

Soil samples were described by METCO field personnel. Assisting literature included the Hydrologic Atlas, Wisconsin Geologic Logs, and Wisconsin Well Constructor Reports.

Unconsolidated materials in the area of the investigation generally consist of the following in downward stratigraphic order:

- From surface to depths ranging from 5 to 8 feet bgs exists a tan to red sandy clay.
- From depths ranging from 5 to 8 feet bgs and extending to at least 24 feet bgs exists a tan very fine grained sand.

Fill material consisting of tan to brown sand and gravel was encountered in the area of the removed UST system.

Bedrock was not encountered during the site investigation, but Crystalline bedrock is estimated to exist at approximately 150-200 feet bgs.

Please note that this is a generalization of the local geology and may not be consistent throughout the entire investigation area.

No other characteristics concerning the local sediments such as structures, voids, layering, lenses or secondary permeability are documented at this time.

Hydrogeology

According to data collected from the monitoring wells, the depth to groundwater ranges from 12.91 to 13.67 feet bgs depending on well location and time of

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year.

According to the watertable measurements collected during groundwater sampling, local horizontal groundwater flow in the immediate area of the subject property is generally to the south. Groundwater Flow Direction Maps are presented in Section 6.

We are not currently aware of any existing aquitards or perched water in this area.

2.2 Receptors

Buildings, Basements, Sumps, Utility Corridors

The only utility line that exists in the area of soil and groundwater contamination is a shallow buried electric line, which does not appear to be acting as preferential contaminant migration pathway.

The NR140 PAL contaminant plume appears to extend underneath a corner of the on-site building. However, vapor intrusion does not appear to be a risk at this time for the following reasons: 1) There is over five feet of separation vertically and horizontally between the impacted soil and the building. 2) Free product has not been encountered in any monitoring wells. 3) Benzene concentrations in groundwater are less than 1,000 ppb.

Municipal and Private Water Supply Wells

The subject property and surrounding properties are all served by private potable wells. There is one private well located on the subject property. The well for the property exists approximately 65 feet to the north of the former UST system. Analytical results from the on-site potable well show no laboratory detects for VOC's (Method 524.2) or Dissolved Lead.

The next nearest potable well (Farm house) exists approximately 750 feet to the northeast of the former UST. No other potable wells are known to exist within 750 feet of the removed UST.

The on-site potable well location is shown on the Site Layout Map presented in Section 6.0.

Surface Waters

The nearest surface water is Round Lake, which exists approximately 4,300 feet to the south of the subject property. It does not appear that the petroleum contamination has impacted any surface waters.

3.0 SITE INVESTIGATION RESULTS, RISK CRITERIA

3.1 Methods of Investigation

Workscope

The workscope performed for the LUST Investigation included the following:

- 1) Collected site background information.
- 2) On March 19, 2013, METCO prepared a LUST Investigation Field Procedures Workplan.
- 3) On April 29, 2013, METCO completed nine Geoprobe borings. Thirty-six soil samples and nine groundwater samples were collected for field and/or laboratory analysis. A water sample was also collected from the on-site potable well.
- 4) On April 14, 2014, METCO completed five soil borings and installed four monitoring wells. Twenty-six soil samples and one groundwater sample were collected for field and/or laboratory analysis. Upon completion, the monitoring wells were properly developed.
- 5) On June 3, 2014, DKS Transport Services, LLC picked up and properly disposed of 5 drums of investigative waste.
- 6) On June 18, 2014, METCO collected groundwater samples from the on-site potable well and the four monitoring wells for field and laboratory analysis (Round 1).
- 7) On September 18, 2014, METCO collected groundwater samples from the on-site potable well and the four monitoring wells for field and laboratory analysis (Round 2). METCO also conducted slug tests on two of the monitoring wells.

Site Access Problems

No site access problems were encountered during the LUST investigation.

Analytical Methods

All samples were collected in a manner as to maintain their quality and to eliminate any possible cross contamination. METCO did not deviate from any WDNR or laboratory recommended procedures for sample collection, preservation, or transportation on this project to our knowledge.

Equipment advanced into the subsurface was cleaned between sampling locations. Cleaning consisted of washing with a biodegradable Alconox solution and rinsing with potable water. Disposable equipment was not cleaned, but

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immediately disposed of after use.

All samples were constantly kept on ice in a cooler and hand delivered to the laboratory.

3.2 Data Discussion

Soil Sampling Data

On April 29, 2013, during the Geoprobe project, nine Geoprobe borings were completed with thirty-six soil samples collected for field and laboratory analysis (PID, GRO, VOC, PVOC, Naphthalene, and Lead).

On April 14, 2014, during the Drilling project, five soil borings were completed with twenty-six soil samples collected for field and laboratory analysis (PID, PVOC, and Naphthalene).

Soil analytical results are summarized in the Pre-remedial Soil Analytical Tables with exceedances of the NR720 Groundwater RCL's, Direct Contact RCL's and/or Soil Saturation Concentration (C-Sat) values noted.

Soil sample locations are presented in the Detailed Site Map found in Section 6. All data is presented in the data tables in Section 7. The laboratory reports are presented in Appendix B.

Groundwater Sampling Data

On April 29, 2013, during the Geoprobe project, nine groundwater samples were collected from the borings for PVOC and Naphthalene analysis.

On April 14, 2014, during the Drilling project, four monitoring wells were installed. One groundwater sample was collected from a Geoprobe boring for PVOC and Naphthalene analysis.

On June 18, 2014, Round 1 groundwater samples were collected from the four monitoring wells and analyzed for VOC, Dissolved Lead, and natural attenuation parameters (Dissolved Iron, Dissolved Manganese, Sulfates, and Nitrate/Nitrite). Field measurements for water level, temperature, pH, ORP, Dissolved Oxygen and Specific Conductance were also collected from the four monitoring wells.

On September 18, 2014, Round 2 groundwater samples were collected from the four monitoring wells and analyzed for PVOC and Naphthalene. Field measurements for water level, temperature, pH, ORP, Dissolved Oxygen and Specific Conductance were also collected from the four monitoring wells.

Geoprobe boring and monitoring well groundwater analytical results are

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summarized in the Groundwater Analytical Results Summary Table with exceedances of the NR140 Preventive Action Limits (PAL) and Enforcement Standards (ES) noted.

The Geoprobe borings and monitoring well locations are presented in the Detailed Site Map in Section 6. All data is presented in the data tables in Section 7. The lab reports are presented in Appendix B.

Potable Well Sampling Data

On April 29, 2013, during the Geoprobe project, METCO personnel collected one groundwater sample from the on-site potable well for laboratory analysis (VOC Method 524.2).

On June 18, 2014, during the Round 1 sampling event, METCO personnel collected one groundwater sample from the on-site potable well for laboratory analysis (VOC Method 524.2 and Dissolved Lead).

On September 18, 2014, during the Round 2 sampling event, METCO personnel collected one groundwater sample from the on-site potable well for laboratory analysis (VOC Method 524.2).

Potable well analytical results are summarized in the Groundwater Analytical Results Tables.

The potable well location is presented in the Detailed Site Map in Section 6. All data is presented in the data tables in Section 7. The lab reports are presented in Appendix B.

Laboratory Certification

Synergy Environmental Lab
Wisconsin Lab Certification #445037560

3.3 Permeability and Hydraulic Conductivities

On September 18, 2014, METCO conducted slug tests on monitoring wells MW-1 and MW-2. The slug test data was evaluated using the curve fitting program "Hydro-Test for Windows" Produced by Dakota Environmental, Inc.

Slug test data was evaluated using the Bouwer and Rice method. Hydrogeologic parameters were estimated as follows:

Monitoring Well MW-1

Hydraulic Conductivity (K) = 2.49E-04 cm/sec

Transmissivity = 4.87E-02 cm²/sec

Flow Velocity (V=KI/n) = 0.82697 m/yr

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Monitoring Well MW-2

Hydraulic Conductivity (K) = 3.72E-04 cm/sec

Transmissivity = 7.23E-02 cm²/sec

Flow Velocity (V=KI/n) = 1.23493 m/yr

Since the thickness of the unconfined aquifer was unknown, the bottoms of monitoring wells MW-1 and MW-2 were assumed as the lower extent of the aquifer for calculation purposes. Slug test data is presented in Appendix E.

3.4 Discussion of Results

Geologic material in the area of investigation generally consists of tan to red sandy clay from surface to depths ranging from 5 to 8 feet bgs, which is underlain by very fine grained sand to at least 24 feet bgs.

Bedrock was not encountered during the site investigation. The unconsolidated materials are underlain by crystalline bedrock at approximately 150 to 200 feet below ground surface.

According to data collected from the monitoring wells, the depth to groundwater ranges from 12.91 to 13.67 feet bgs depending on well location and time of year. The local horizontal groundwater flow in the immediate area of the subject property is generally to the south.

An area of unsaturated soil contamination, which exceeds the NR720 Groundwater RCL values, exists in the area of the former UST and dispenser island. This consists of an irregular shaped area that appears to measure up to 24 feet long, up to 15 feet wide, and up to 14 feet thick.

A dissolved phase contaminant plume exceeding the NR140 ES and PAL has formed at the watertable in the area of the removed UST and dispenser and has migrated toward the southwest. This plume is approximately 60 feet long and 21 feet wide.

Based on the most recent groundwater analytical results, one of the monitoring wells (MW-1) shows NR140 ES exceedances. None of the other monitoring wells show any NR140 PAL exceedances or detects for any contaminants of concern.

Based on the receptor survey, there does not appear to be any risk of contaminant migration along utility corridors or vapor intrusion to nearby buildings. However, it should be noted that the subject property and other nearby properties are served by private potable wells. The on-site potable well samples showed no laboratory detects for VOC's (Method 524.2).

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To our knowledge, this investigation has not had any major difficulties, unanticipated results, or questionable results.

The Detailed Site Map, Pre-remedial Soil Contamination Map, Groundwater Flow Direction Maps, Groundwater Isoconcentration Map, and Geologic Cross-Section figures, which visually define the extent of contamination, are presented in Section 6.

3.6 Risk Assessment

Per the NR746.03 definitions a release from petroleum tanks is considered "high risk" if any of the four following criterion are met:

1. Verified contaminant concentrations in a private or public potable well that exceeds the preventive action limit established under Chapter, Stats. 160.
2. Petroleum product that is not in the dissolved phase (floating product) is present with a thickness of 0.01 feet or more, and verified by more than one sampling event.
3. An enforcement standard exceedance in groundwater within 1,000 feet of a well operated by a public utility, or within 100 feet of any other well used to provide water for human consumption.
4. An enforcement standard exceedance in fractured bedrock.

A "medium risk" site is defined as a site where contaminants have extended beyond the boundary of the source property, or there is confirmed contamination in the groundwater, but the site does not meet the definition of a "high risk" site.

A "low risk" site is defined as a site where contaminants are contained only within the soil on the source property and there is no confirmed contamination in groundwater.

Based on the NR746.03 definitions, the Y Go By Tavern site is currently a "high risk" site.

4.0 CONCLUSIONS

4.1 Investigation Summary

According to the data collected during the investigation, it is the conclusion of METCO that under existing conditions and limitations, the extent and degree of petroleum contamination has been adequately defined in soil and groundwater to warrant a completed investigation as defined by the WDNR guidelines and regulations.

**Site Investigation Report - METCO
Y Go By Tavern**

4.2 Recommendations

Due to the NR720 Non-Industrial Direct Contact RCL exceedances in boring G-7, and the elevated levels of contamination at depth in borings G-1, G-2, G-7, and G-9, METCO recommends that the soil be excavated to eliminate the direct contact risks, while also reducing the contaminant mass. Post excavation activities would then consist of well replacement (MW-1) and one year of post excavation groundwater monitoring to move the site toward closure. If the state concurs, please contact METCO to discuss the workscope.

**Site Investigation Report - METCO
Y Go By Tavern**

5.0 REFERENCES

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Olcott, Perry G., 1968, Water Resources of Wisconsin – Fox-Wolf River Basin, Hydrologic Investigations, Atlas HA-321, U.S. Geological Survey, Washington D.C.

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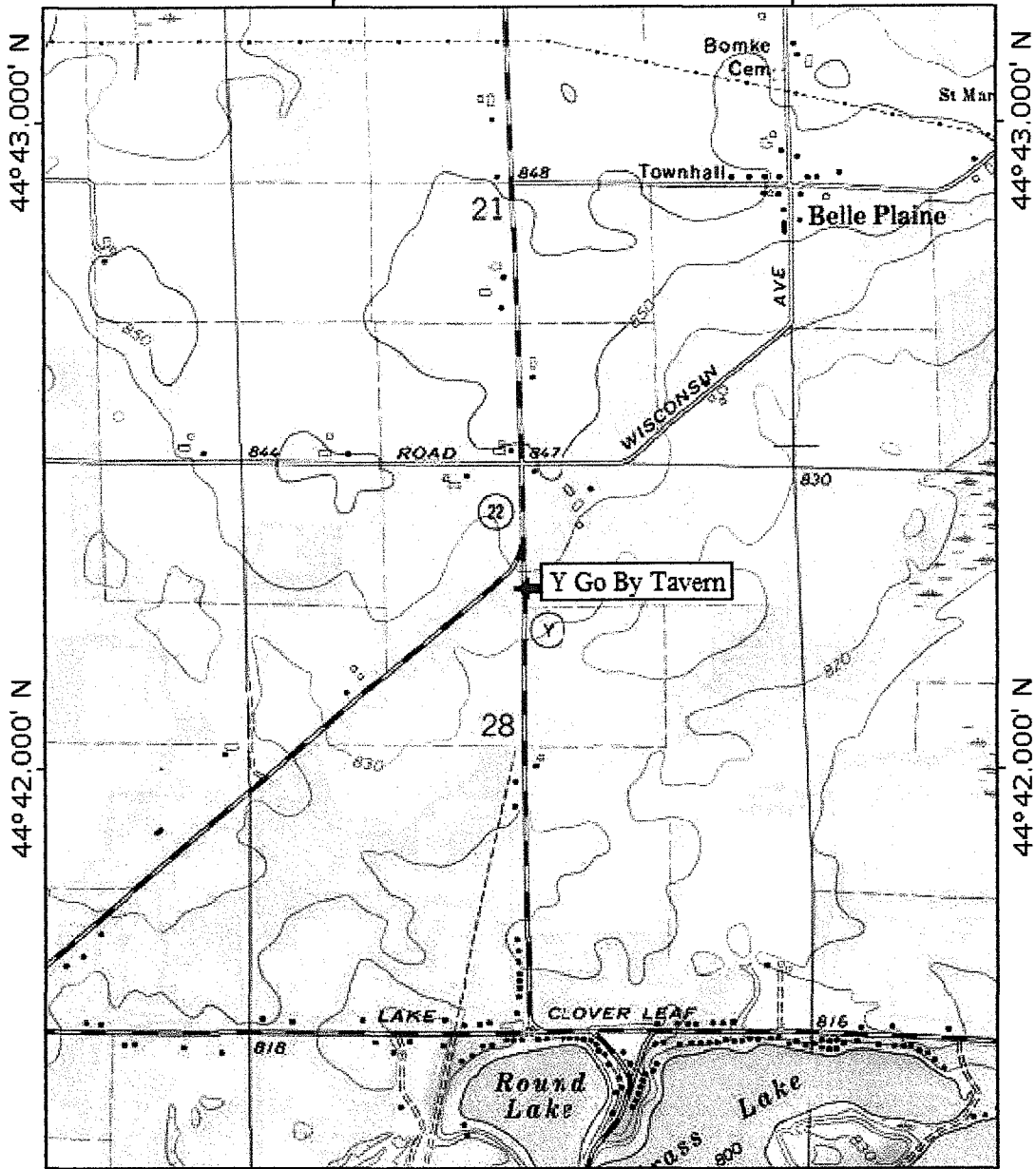
Weston, R.F., 1987, Remedial Technologies for Leaking Underground Storage Tanks.

Other information and data was collected from Arland Dillenburg, Diggers Hotline, Geiss Soil and Samples, LLC., Fauerbach Surveying & Engineering, Synergy Environmental Lab, Wisconsin Department of Natural Resources, and local people.

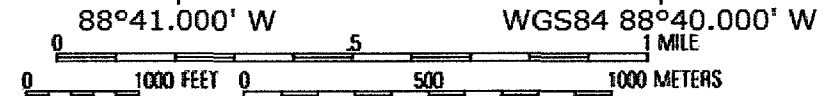
**Site Investigation Report - METCO
Y Go By Tavern**

6.0 FIGURES

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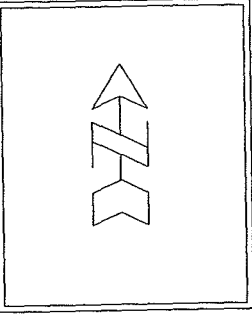
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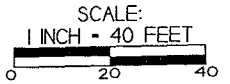
SITE LOCATION MAP – CONTOUR INTERVAL 10 FEET
Y GO BY TAVERN – SHAWANO, WI
SEAMLESS USGS TOPOGRAPHIC MAPS ON CD-ROM

SITE LAYOUT MAP	
Y GO BY TAVERN	
 <small>709 GILLETTE ST, STE 3 LA CROSSE, WI 54603 Tel: (608) 781-8879 Fax: (608) 781-8893</small>	TOWN OF BELLE PLAINE, WISCONSIN
	DRAWN BY: ED DATE: 03/04/2013

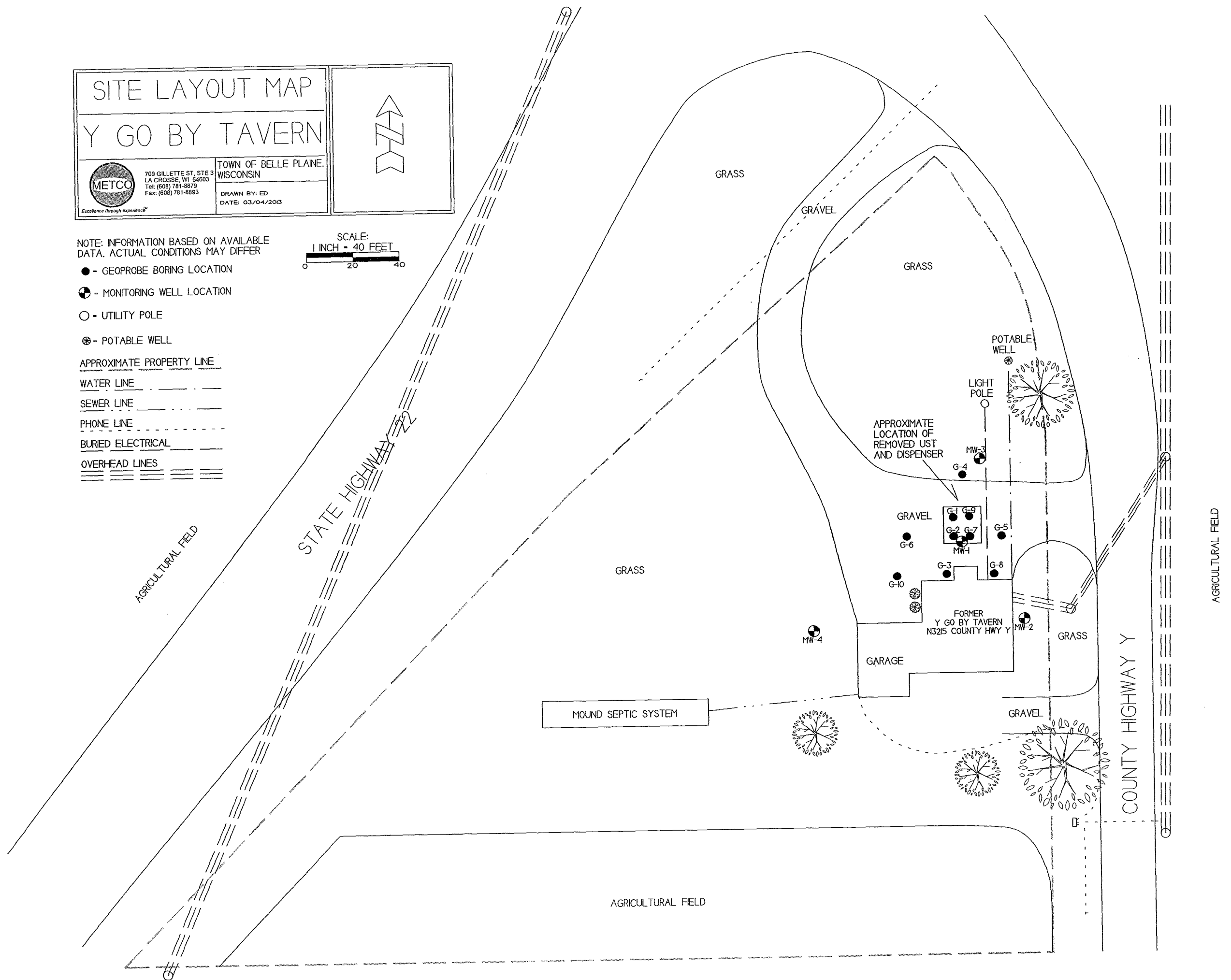


NOTE: INFORMATION BASED ON AVAILABLE DATA. ACTUAL CONDITIONS MAY DIFFER

- - GEOPROBE BORING LOCATION
- ⊕ - MONITORING WELL LOCATION
- - UTILITY POLE
- ⊗ - POTABLE WELL




- APPROXIMATE PROPERTY LINE
- WATER LINE
- SEWER LINE
- PHONE LINE
- BURIED ELECTRICAL
- OVERHEAD LINES

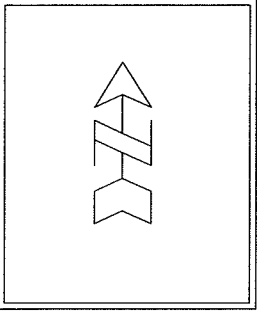


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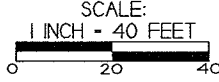
AGRICULTURAL FIELD

AGRICULTURAL FIELD

GROUNDWATER FLOW MAP (06/18/2014)	
Y GO BY TAVERN	
 709 GILLETTE ST, STE 3 LA CROSSE, WI 54603 Tel: (608) 781-8879 Fax: (608) 781-8893	TOWN OF BELLE PLAINE, WISCONSIN
	DRAWN BY: ED
	DATE: 03/04/2013 MODIFIED BY: JJ 11/20/14

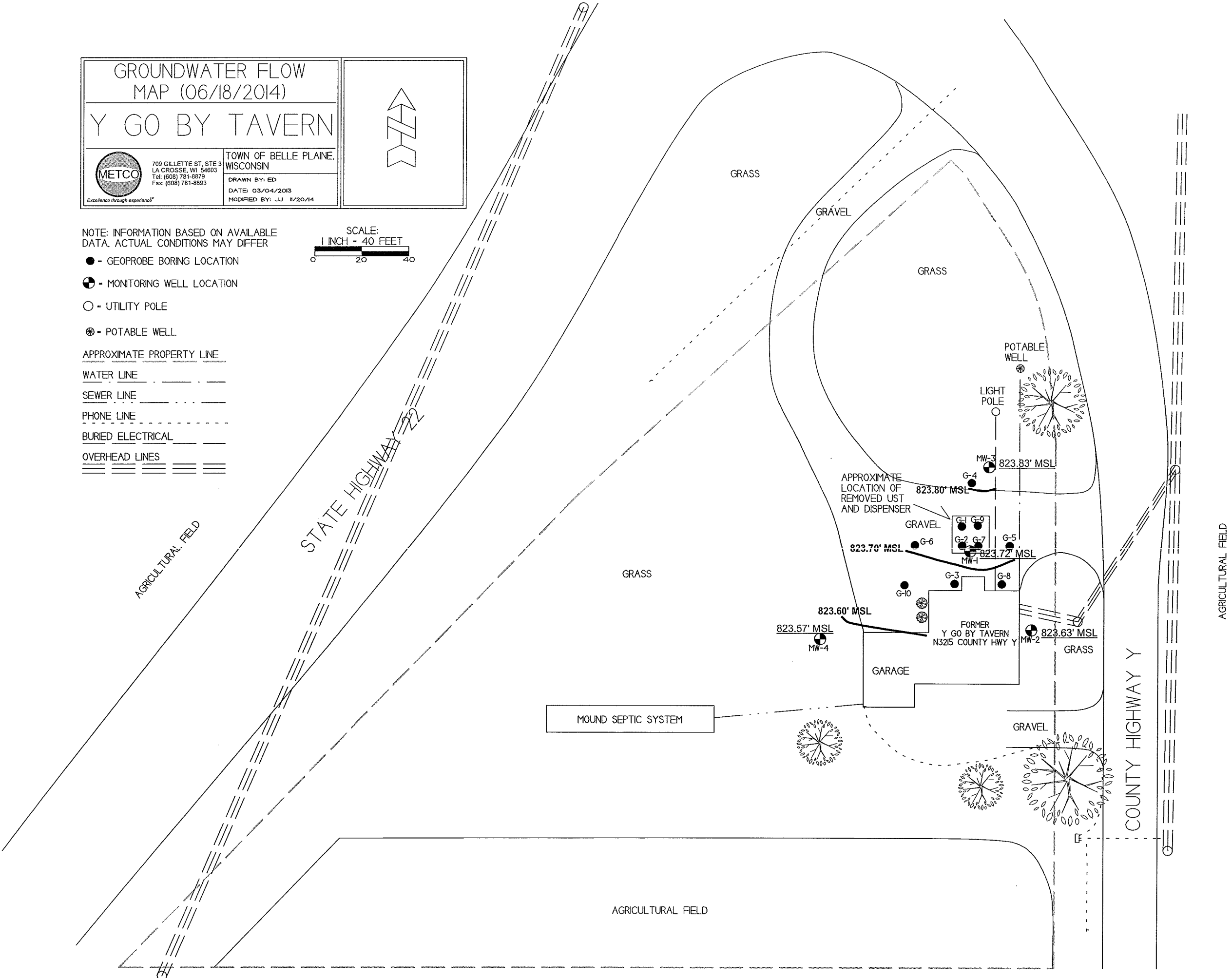


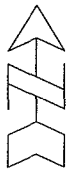

NOTE: INFORMATION BASED ON AVAILABLE DATA. ACTUAL CONDITIONS MAY DIFFER



- - GEOPROBE BORING LOCATION
- ⊕ - MONITORING WELL LOCATION
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- ⊗ - POTABLE WELL

- APPROXIMATE PROPERTY LINE
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- PHONE LINE
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- OVERHEAD LINES

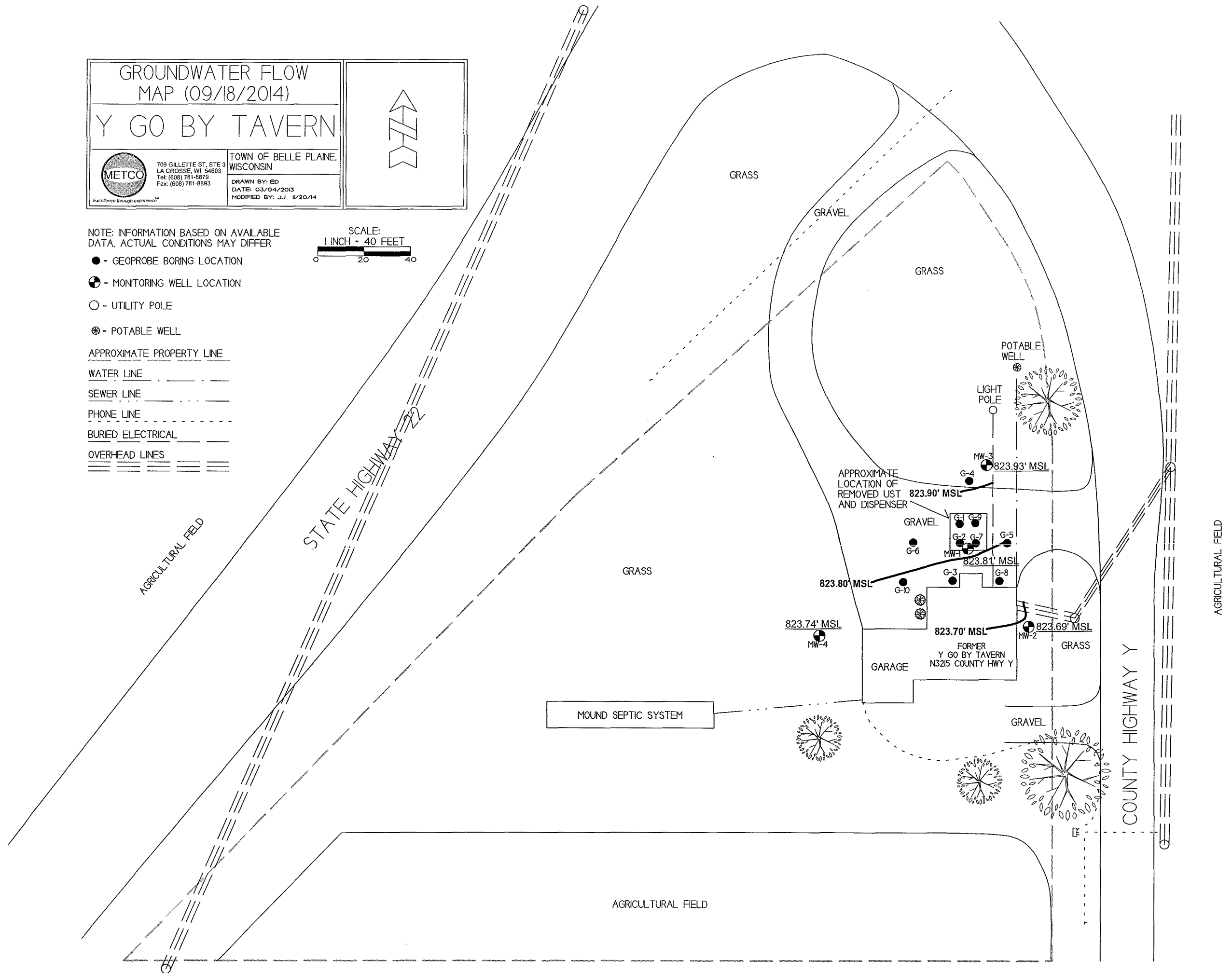
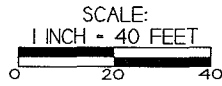



GROUNDWATER FLOW MAP (09/18/2014)		
Y GO BY TAVERN		
 <small>709 GILLETTE ST, STE 3 LA CROSSE, WI 54603 Tel: (608) 781-8879 Fax: (608) 781-8893</small>	<small>TOWN OF BELLE PLAINE, WISCONSIN</small>	
		<small>DRAWN BY: ED DATE: 03/04/2013 MODIFIED BY: JJ 8/20/14</small>

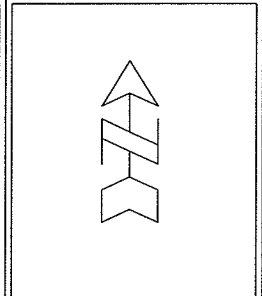
NOTE: INFORMATION BASED ON AVAILABLE DATA. ACTUAL CONDITIONS MAY DIFFER

- - GEOPROBE BORING LOCATION
- ⊕ - MONITORING WELL LOCATION
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- ⊗ - POTABLE WELL

- APPROXIMATE PROPERTY LINE
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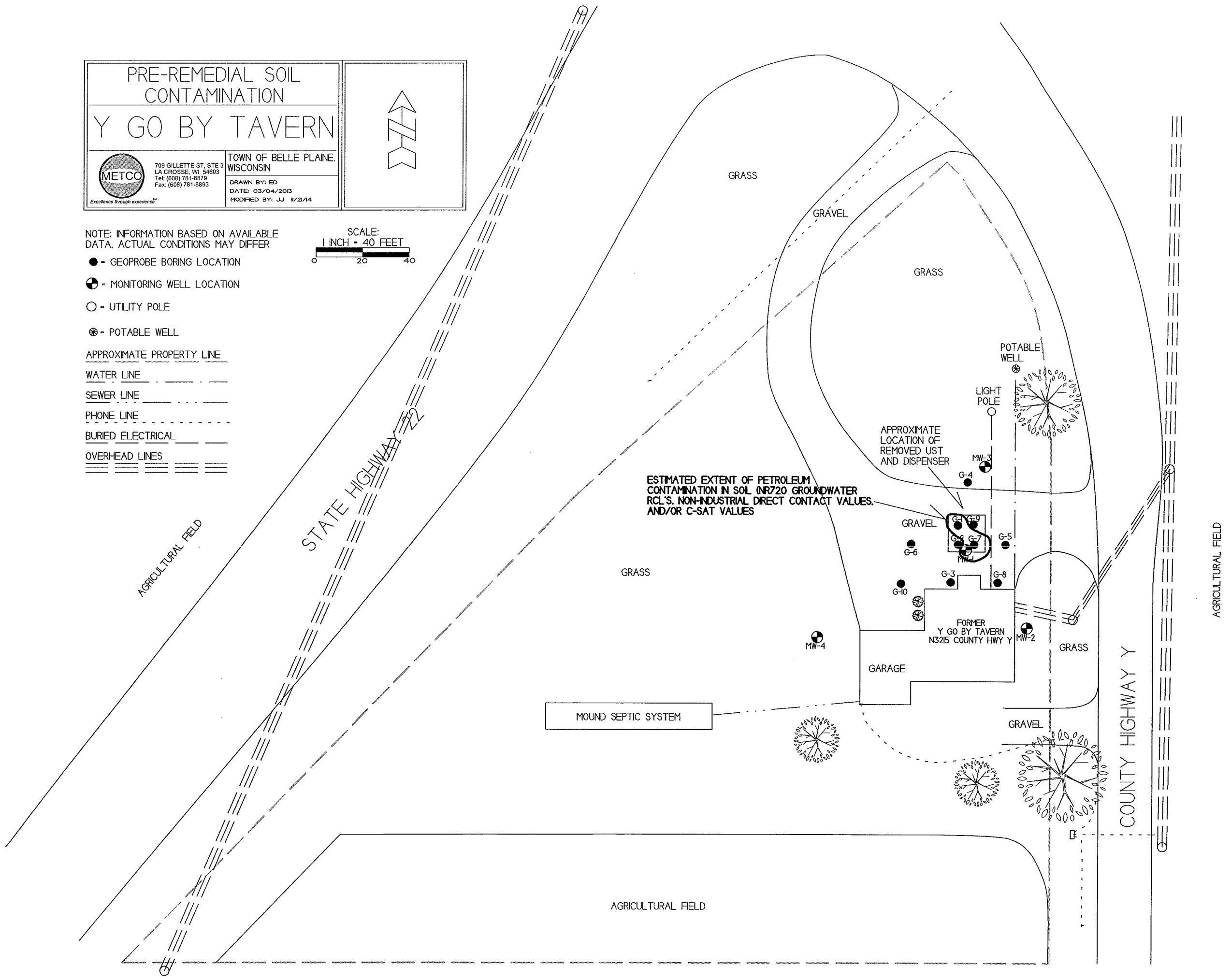
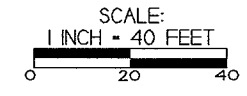
PRE-REMEDIAL SOIL CONTAMINATION	
Y GO BY TAVERN	
 <small>709 GILLETTE ST, STE 3 LA CROSSE, WI 54603 Tel: (608) 781-8879 Fax: (608) 781-8893</small>	TOWN OF BELLE PLAINE, WISCONSIN
	<small>DRAWN BY: ED DATE: 03/04/2013 MODIFIED BY: JJ 11/21/14</small>

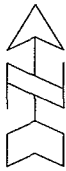



NOTE: INFORMATION BASED ON AVAILABLE DATA. ACTUAL CONDITIONS MAY DIFFER

- - GEOPROBE BORING LOCATION
- ⊕ - MONITORING WELL LOCATION
- - UTILITY POLE
- ⊗ - POTABLE WELL

- APPROXIMATE PROPERTY LINE
- - - WATER LINE
- - - SEWER LINE
- - - PHONE LINE
- - - BURIED ELECTRICAL
- ==== OVERHEAD LINES

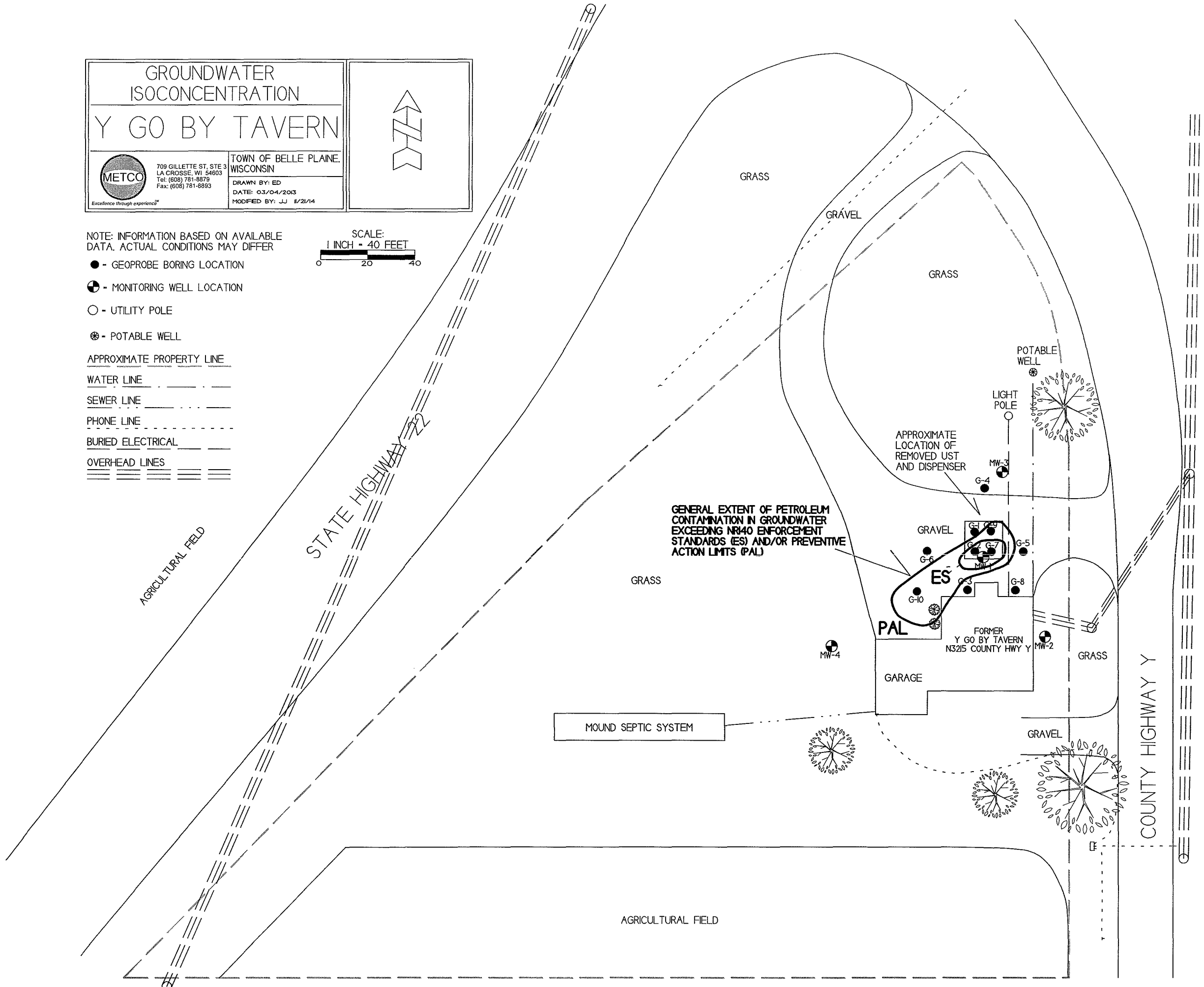
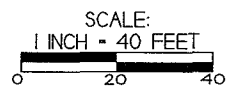


GROUNDWATER ISOCONCENTRATION		
Y GO BY TAVERN		
 <small>Excellence through experience™</small>	<small>709 GILLETTE ST, STE 3 LA CROSSE, WI 54603 Tel: (608) 781-8879 Fax: (608) 781-8893</small>	<small>TOWN OF BELLE PLAINE, WISCONSIN</small>
	<small>DRAWN BY: ED DATE: 03/04/2013 MODIFIED BY: JJ 1/21/14</small>	

NOTE: INFORMATION BASED ON AVAILABLE DATA. ACTUAL CONDITIONS MAY DIFFER


- - GEOPROBE BORING LOCATION
- ⊕ - MONITORING WELL LOCATION
- - UTILITY POLE
- ⊗ - POTABLE WELL

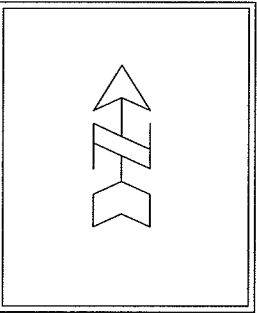
- APPROXIMATE PROPERTY LINE
- WATER LINE
- SEWER LINE
- PHONE LINE
- BURIED ELECTRICAL
- OVERHEAD LINES



AGRICULTURAL FIELD

AGRICULTURAL FIELD

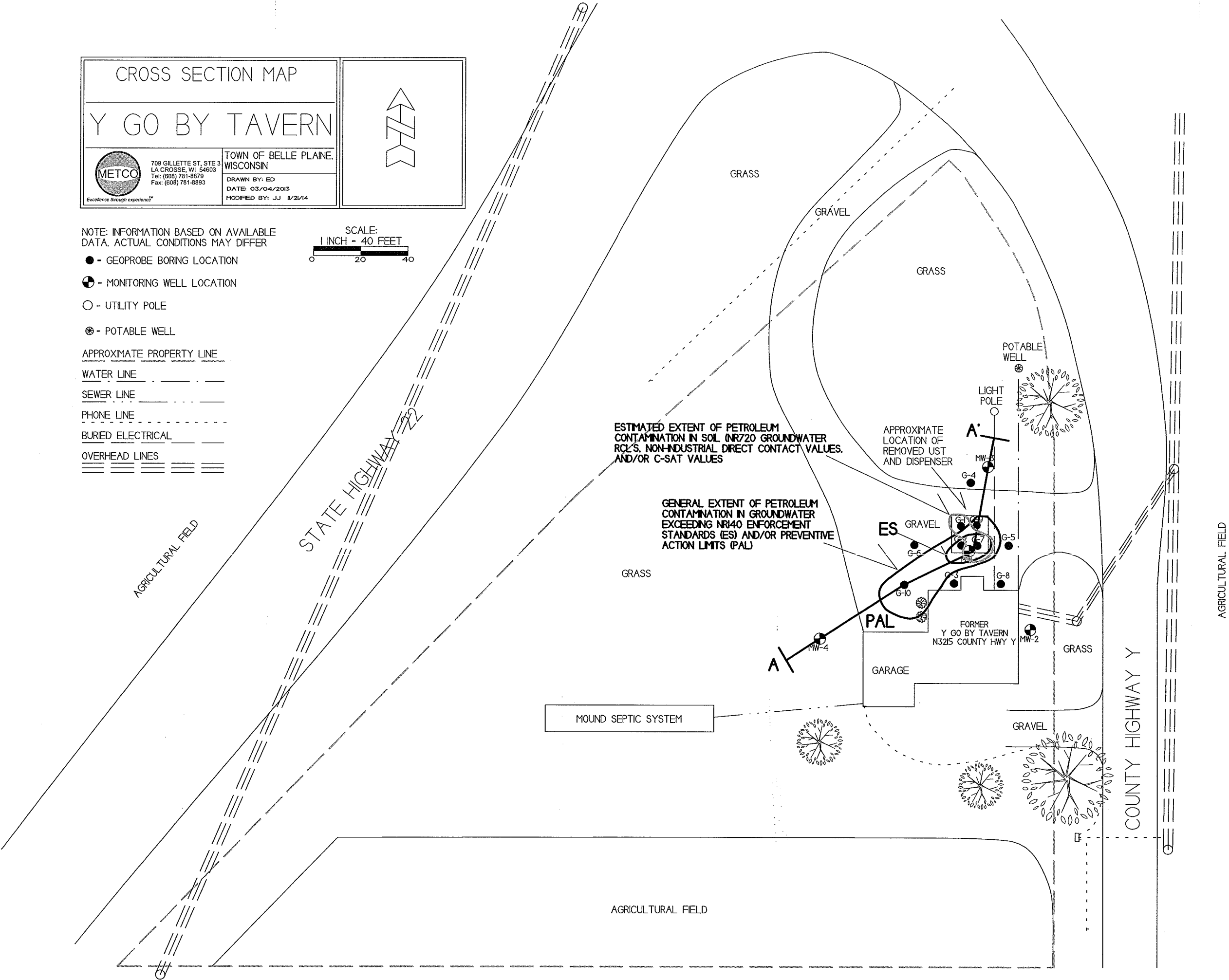
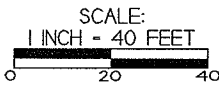
CROSS SECTION MAP	
Y GO BY TAVERN	
 <small>709 GILLETTE ST, STE 3 LA CROSSE, WI 54603 Tel: (608) 781-8879 Fax: (608) 781-8893</small>	<small>TOWN OF BELLE PLAINE, WISCONSIN</small> <small>DRAWN BY: ED DATE: 03/04/2013 MODIFIED BY: JJ 8/21/14</small>



NOTE: INFORMATION BASED ON AVAILABLE DATA. ACTUAL CONDITIONS MAY DIFFER

- - GEOPROBE BORING LOCATION
- ⊕ - MONITORING WELL LOCATION
- - UTILITY POLE
- ⊗ - POTABLE WELL

- APPROXIMATE PROPERTY LINE
- - - WATER LINE
- - - SEWER LINE
- - - PHONE LINE
- - - BURIED ELECTRICAL
- ==== OVERHEAD LINES



ESTIMATED EXTENT OF PETROLEUM CONTAMINATION IN SOIL (NR720 GROUNDWATER RCL'S, NON-INDUSTRIAL DIRECT CONTACT VALUES, AND/OR C-SAT VALUES)

GENERAL EXTENT OF PETROLEUM CONTAMINATION IN GROUNDWATER EXCEEDING NR140 ENFORCEMENT STANDARDS (ES) AND/OR PREVENTIVE ACTION LIMITS (PAL)

MOUND SEPTIC SYSTEM

APPROXIMATE LOCATION OF REMOVED UST AND DISPENSER

FORMER Y GO BY TAVERN
N3215 COUNTY HWY Y

GARAGE

COUNTY HIGHWAY Y


AGRICULTURAL FIELD

AGRICULTURAL FIELD

AGRICULTURAL FIELD

CROSS SECTION MAP
(CLOSE UP)

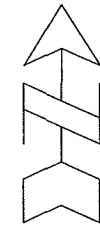
Y GO BY TAVERN



709 GILLETTE ST, STE 3
LA CROSSE, WI 54603
Tel: (608) 781-8879
Fax: (608) 781-8893

TOWN OF BELLE PLAINE,
WISCONSIN

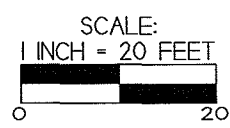
DRAWN BY: ED
DATE: 03/04/2013
MODIFIED BY: JJ 11/21/14



NOTE: INFORMATION BASED ON AVAILABLE DATA. ACTUAL CONDITIONS MAY DIFFER

- = GEOPROBE BORING LOCATION
- ◐ = MONITORING WELL LOCATION
- = UTILITY POLE
- ⊗ = POTABLE WELL

- APPROXIMATE PROPERTY LINE
- WATER LINE
- - - - - SEWER LINE
- · - · - PHONE LINE
- - - - - BURIED ELECTRICAL
- ===== OVERHEAD LINES



ESTIMATED EXTENT OF PETROLEUM CONTAMINATION IN SOIL (NR720 GROUNDWATER RCL'S, NON-INDUSTRIAL DIRECT CONTACT VALUES, AND/OR C-SAT VALUES)

GENERAL EXTENT OF PETROLEUM CONTAMINATION IN GROUNDWATER EXCEEDING NRI40 ENFORCEMENT STANDARDS (ES) AND/OR PREVENTIVE ACTION LIMITS (PAL)

MOUND SEPTIC SYSTEM

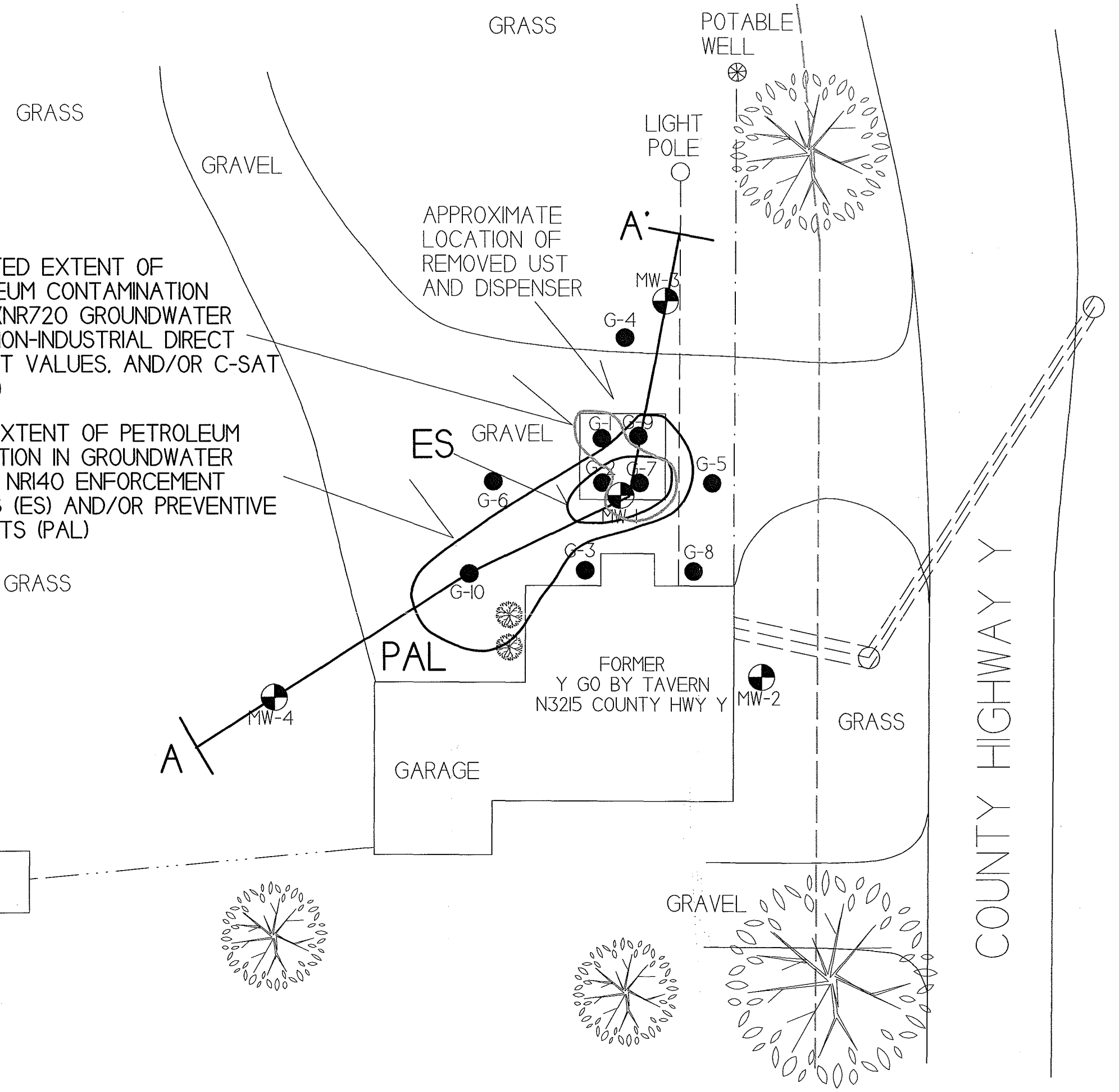
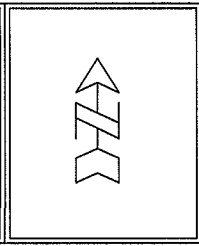


FIGURE B.3.a.3 GEOLOGIC CROSS SECTION FIGURE

Y Go By Tavern

METCO
709 Gillette St., Suite 3
La Crosse, WI 54603
Tel: (608) 781-8978
Fax: (608) 781-8983

BELLE PLAINE, WISCONSIN
DRAWN BY: JJ 12/19/14



INFORMATION BASED ON AVAILABLE DATA. ACTUAL CONDITIONS MAY DIFFER

SOIL SAMPLE RESULTS ARE PRESENTED IN PARTS PER MILLION (PPM).

GROUNDWATER SAMPLE RESULTS ARE PRESENTED IN PARTS PER BILLION (PPB).

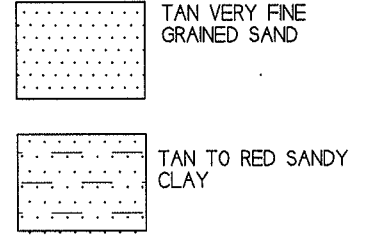
GROUNDWATER FLOW IS TOWARD THE SOUTH.

PID - PHOTO IONIZATION DETECTOR
GRO - GASOLINE RANGE ORGANICS
PVOC - PETROLEUM VOLATILE ORGANIC COMPOUNDS
B - BENZENE
E - ETHYLBENZENE
MTBE - METHYL-TERT-BUTYL-ETHER
N - NAPHTHALENE
T - TOLUENE
TMB - TRIMETHYLBENZENE
X - XYLENE

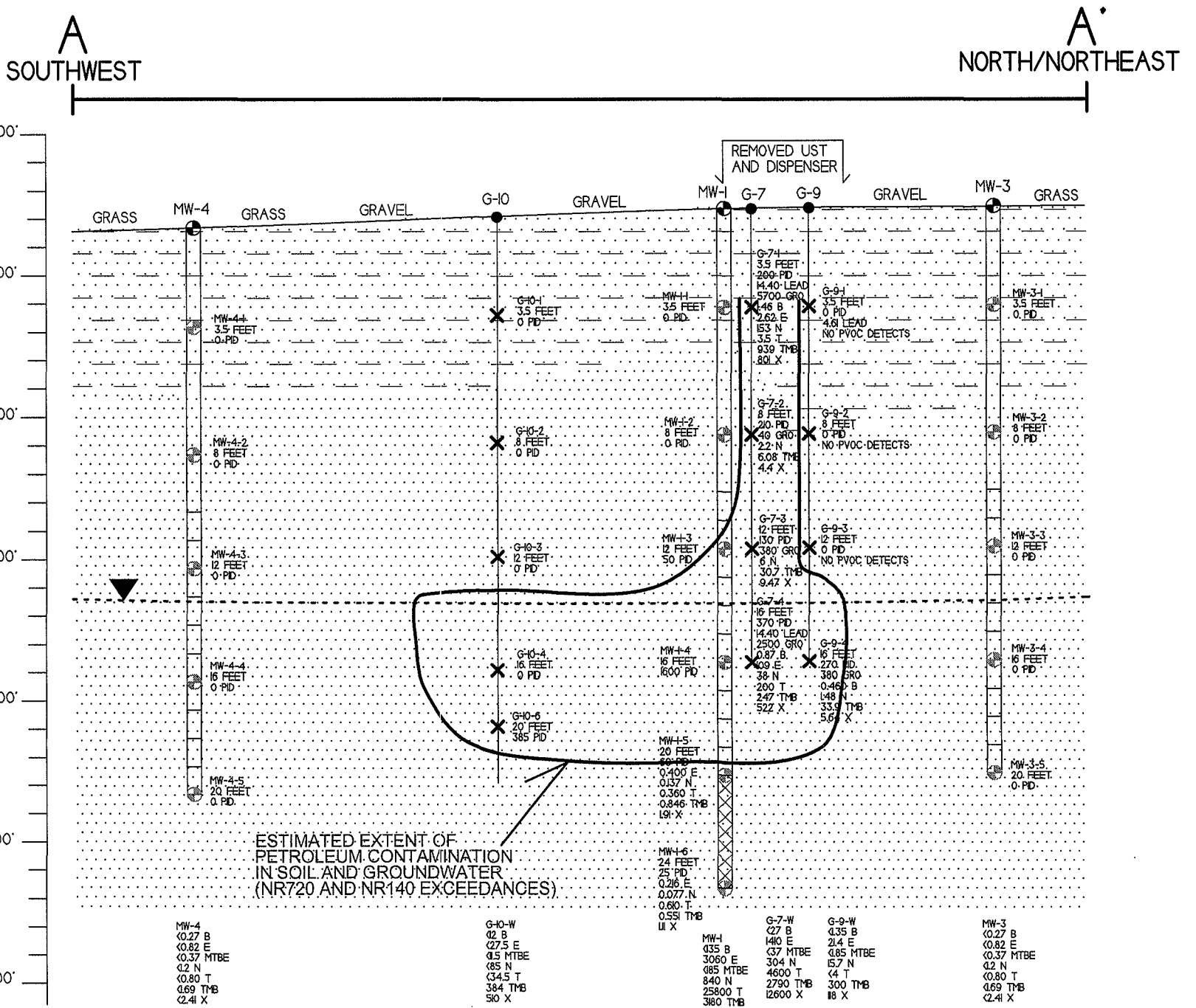
NOTE: SOIL AND GROUNDWATER SAMPLE DATA IS BASED ON LABORATORY RESULTS FROM SAMPLES COLLECTED DURING THE FOLLOWING EVENTS:
- GEOPROBE PROJECT (4/29/13)
- DRILLING PROJECT (4/14/14)
- ROUND 2 GROUNDWATER SAMPLING (9/18/14)

- - MONITORING WELL LOCATION
- ⊕ - SOIL SAMPLING LOCATION
- - GEOPROBE BORING LOCATION
- ✕ - SOIL SAMPLING LOCATION
- ▼ - WATERTABLE

NOTE: SOIL RESULTS SHOW DETECTS AND EXCEEDANCES THAT HAVE BEEN DOCUMENTED ON THE MAP. SEE DATA TABLES AND/OR LABORATORY REPORTS FOR ALL RESULTS



HORIZONTAL SCALE:
1 INCH = 20 FEET



A.2. Pre-remedial Soil Analytical Table
 Y Go By Tavern LUST Site BRRT's# 03-59-220671

Sample ID	Depth (feet)	Saturation U/S	Date	PID	Lead (ppm)	GRO (ppm)	Benzene (ppm)	Ethyl Benzene (ppm)	MTBE (ppm)	Naphthalene (ppm)	Toluene (ppm)	1,2,4-Trime-thylbenzene (ppm)	1,3,5-Trime-thylbenzene (ppm)	Xylene (Total) (ppm)	Other VOC's (ppm)	PVOC				
																Individual Exceedance Count	Hazard Index	Cumulative Cancer Risk		
G-1-1	3.5	U	04/29/13	0	31.50	<10	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.075	NS	0	7.88E-02			
G-1-2	8.0	U	04/29/13	0	NS	<10	<0.025	<0.025	<0.025	<0.025	<0.025	0.034	<0.025	<0.075	NS					
G-1-3	12.0	U	04/29/13	0	NS	<10	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.075	NS					
G-1-4	16.0	S	04/29/13	300	NS	1310	2.01	0.660	<0.250	2.18	2.59	12.4	120	8.8	NS					
G-2-1	3.5	U	04/29/13	0	7.70	<10	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.075	NS	0	1.93E-02			
G-2-2	8.0	U	04/29/13	0	NS	<10	<0.025	<0.025	<0.025	0.045	0.0263	0.027	0.044	0.108	NS					
G-2-3	12.0	U	04/29/13	0	NS	<10	<0.025	<0.025	<0.025	0.092	0.084	0.120	0.096	0.386	NS					
G-2-4	16.0	S	04/29/13	350	1.54	234	<0.092	7.9	<0.300	1.37	16	12.6	3.9	42.1	SEE VOC SPREAD-SHEET					
G-3-1	3.5	U	04/29/13	0	4.89	<10	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.075	NS	0	1.22E-02			
G-3-2	8.0	U	04/29/13	0	NS	<10	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.075	NS					
G-3-3	12.0	U	04/29/13	0	NS										NS					
G-3-4	14.0	S	04/29/13	0	NS	<10	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.075	NS					
G-4-1	3.5	U	04/29/13	0	4.09	<10	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.075	NS	0	1.02E-02			
G-4-2	8.0	U	04/29/13	0	NS	<10	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.075	NS					
G-4-3	12.0	U	04/29/13	0	NS										NS					
G-4-4	14.0	S	04/29/13	0	NS	<10	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.075	NS					
G-5-1	3.5	U	04/29/13	0	1.77	<10	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.075	NS	0	4.43E-03			
G-5-2	8.0	U	04/29/13	0	NS	<10	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.075	NS					
G-5-3	12.0	U	04/29/13	0	NS										NS					
G-5-4	14.0	S	04/29/13	0	NS	<10	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.075	NS					
G-6-1	3.5	U	04/29/13	0	4.84	<10	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.075	NS	0	1.21E-02			
G-6-2	8.0	U	04/29/13	0	NS	<10	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.075	NS					
G-6-3	12.0	U	04/29/13	0	NS										NS					
G-6-4	14.0	S	04/29/13	0	NS	<10	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.075	NS					
G-7-1	3.5	U	04/29/13	200	14.40	5700	1.46	2.62	<1.250	153	3.5	690*	249*	801*	NS	4	9.77E+00	3.1E-05		
G-7-2	8.0	U	04/29/13	210	NS	40	<0.025	<0.025	<0.025	2.2	0.039	4.2	1.88	4.4	NS					
G-7-3	12.0	U	04/29/13	130	NS	380	<0.250	550	<0.250	6	<0.250	9.5	21.2	9.47	NS					
G-7-4	16.0	S	04/29/13	370	NS	2500	0.870	109	<0.250	38	200	177	70	522*	NS					
G-8-1	3.5	U	04/29/13	0	3.70	<10	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.075	NS	0	9.25E-03			
G-8-2	8.0	U	04/29/13	0	NS	<10	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.075	NS					
G-8-3	12.0	U	04/29/13	0	NS										NS					
G-8-4	14.0	S	04/29/13	0	NS	<10	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.075	NS					
G-9-1	3.5	U	04/29/13	0	4.61	<10	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.075	NS	0	1.15E-02			
G-9-2	8.0	U	04/29/13	0	NS	<10	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.075	NS					
G-9-3	12.0	U	04/29/13	0	NS	<10	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.075	NS					
G-9-4	16.0	S	04/29/13	270	NS	380	0.460	0.890	<0.250	1.48	0.840	22	11.9	5.64	NS					
MW-1-1	3.5	U	04/14/14	0	NS										NS					
MW-1-2	8.0	U	04/14/14	0	NS										NS					
MW-1-3	12.0	U	04/14/14	50	NS										NS					
MW-1-4	16.0	S	04/14/14	1600	NS										NS					
MW-1-5	20.0	S	04/14/14	60	NS	NS	<0.025	0.400	<0.025	0.137	0.360	0.590	0.256	1.91	NS					
MW-1-6	24.0	S	04/14/14	25	NS	NS	<0.025	0.216	<0.025	0.077	0.610	0.380	0.171	1.11	NS					
MW-2-1	3.5	U	04/14/14	0	NS	NS									NS					
MW-2-2	8.0	U	04/14/14	0	NS	NS									NS					
MW-2-3	12.0	U	04/14/14	0	NS	NS									NS					
MW-2-4	16.0	S	04/14/14	0	NS	NS									NS					
MW-2-5	20.0	S	04/14/14	0	NS	NS									NS					
MW-3-1	3.5	U	04/14/14	0	NS	NS									NS					
MW-3-2	8.0	U	04/14/14	0	NS	NS									NS					
MW-3-3	12.0	U	04/14/14	0	NS	NS									NS					
MW-3-4	16.0	S	04/14/14	0	NS	NS									NS					
MW-3-5	20.0	S	04/14/14	0	NS	NS									NS					
MW-4-1	3.5	U	04/14/14	0	NS	NS									NS					
MW-4-2	8.0	U	04/14/14	0	NS	NS									NS					
MW-4-3	12.0	U	04/14/14	0	NS	NS									NS					
MW-4-4	16.0	S	04/14/14	0	NS	NS									NS					
MW-4-5	20.0	S	04/14/14	0	NS	NS									NS					
G-10-1	3.5	U	04/14/14	0	NS	NS									NS					
G-10-2	8.0	U	04/14/14	0	NS	NS									NS					
G-10-3	12.0	U	04/14/14	0	NS	NS									NS					
G-10-4	16.0	S	04/14/14	0	NS	NS									NS					
G-10-5	18.0	S	04/14/14	385	NS	NS									NS					
Groundwater RCL							27	-	0.00512	1.57	0.027	0.659	1.11	1.38	3.94	-				
Non-Industrial Direct Contact RCL							400	-	1.49	7.47	59.4	5.15	818	89.8	182	258	-		1.00E+00	1.00E-05
Soil Saturation Concentration (C-sat)*							-	-	1820*	480*	8870*	-	818*	219*	182*	258*	-			

Bold = Groundwater RCL Exceedance
 Bold & Underline = Non Industrial Direct Contact RCL Exceedance
 Bold & Asteric * = C-sat Exceedance
 NS = Not Sampled NM = Not Measured
 (ppm) = parts per million
 DRO = Diesel Range Organics
 GRO = Gasoline Range Organics
 PID = Photoionization Detector
 PVOC's = Petroleum Volatile Organic Compounds

A.2. Pre-remedial Soil Analytical Table
 Y Go By Tavern LUST Site BRRT's# 03-59-220671

Sampling Conducted on April 29, 2013

VOC's		Bold = Groundwater RCL	<u>Underline & Bold = Direct Contact RCL</u>	Asteric * & Bold =Soil Saturation (C-sat) RCL
Sample ID#	G-2-4			
Sample Depth/ft.	16			
Lead/ppm	1.54	27	400	==
Gasoline Range Organics/ppm	234	==	==	==
Benzene/ppm	<0.092	0.00512	1.49	1820
Bromobenzene/ppm	<0.130	==	354	==
Bromodichloromethane/ppm	<0.270	0.000326	0.39	==
Bromoform/ppm	<0.300	0.00233	61.6	==
tert-Butylbenzene/ppm	<0.200	==	183	183
sec-Butylbenzene/ppm	<0.410	==	145	145
n-Butylbenzene/ppm	0.880	==	108	108
Carbon Tetrachloride/ppm	<0.250	0.00388	0.85	==
Chlorobenzene/ppm	<0.160	==	392	==
Chloroethane/ppm	<0.420	0.227	==	==
Chloroform/ppm	<0.490	0.0033	0.42	==
Chloromethane/ppm	<1.810	0.0155	171	==
2-Chlorotoluene/ppm	<0.160	==	==	==
4-Chlorotoluene/ppm	<0.140	==	==	==
1,2-Dibromo-3-chloropropane/ppm	<0.480	0.000173	0.01	==
Dibromochloromethane/ppm	<0.140	0.032	0.93	==
1,4-Dichlorobenzene/ppm	<0.330	0.144	3.48	==
1,3-Dichlorobenzene/ppm	<0.300	1.15	297	297
1,2-Dichlorobenzene/ppm	<0.380	1.17	376	376
Dichlorodifluoromethane/ppm	<0.570	3.08	135	==
1,2-Dichloroethane/ppm	<0.360	0.00284	0.61	540
1,1-Dichloroethane/ppm	<0.190	0.484	4.72	==
1,1-Dichloroethene/ppm	<0.210	0.00502	342	==
cis-1,2-Dichloroethene/ppm	<0.240	0.0412	156	==
trans-1,2-Dichloroethene/ppm	<0.290	0.0588	211	==
1,2-Dichloropropane/ppm	<0.095	0.00332	1.33	==
2,2-Dichloropropane/ppm	<0.460	==	527	527
1,3-Dichloropropane/ppm	<0.210	==	1490	1490
Di-isopropyl ether/ppm	<0.110	==	2260	2260
EDB (1,2-Dibromoethane)/ppm	<0.200	0.0000282	0.05	==
Ethylbenzene/ppm	7.9	1.57	7.47	480
Hexachlorobutadiene/ppm	<0.950	==	6.23	==
Isopropylbenzene/ppm	0.510	==	==	==
p-Isopropyltoluene/ppm	<0.310	==	162	162
Methylene chloride/ppm	<0.570	0.00256	60.7	==
Methyl tert-butyl ether (MTBE)/ppm	<0.300	0.027	59.4	8870
Naphthalene/ppm	1.37	0.659	5.15	==
n-Propylbenzene/ppm	2.14	==	==	==
1,1,2,2-Tetrachloroethane/ppm	<0.120	0.000156	0.75	==
1,1,1,2-Tetrachloroethane/ppm	<0.230	0.0533	2.59	==
Tetrachloroethene (PCE)/ppm	<0.490	0.00454	30.7	==
Toluene/ppm	16	1.11	818	818
1,2,4-Trichlorobenzene/ppm	<0.790	0.408	22.1	==
1,2,3-Trichlorobenzene/ppm	<1.290	==	48.9	==
1,1,1-Trichloroethane/ppm	<0.380	0.14	==	==
1,1,2-Trichloroethane/ppm	<0.230	0.00324	1.48	==
Trichloroethene (TCE)/ppm	<0.280	0.00358	0.64	==
Trichlorofluoromethane/ppm	<0.860	==	1120	==
1,2,4-Trimethylbenzene/ppm	12.6	1.38	89.8	219
1,3,5-Trimethylbenzene/ppm	3.9	==	182	182
Vinyl Chloride/ppm	<0.210	0.000138	0.07	==
m&p-Xylene/ppm	30.7	3.94	258	258
o-Xylene/ppm	11.4	==	==	==

NS = not sampled
 (ppm) = parts per billion
 DRO = Diesel Range Organics
 GRO = Gasoline Range Organics
 == = No Exceedences

NM = Not Measured
 (ppm) = parts per million

A.1 Groundwater Analytical Table

(Geoprobe)

Y Go By Tavern LUST Site BRRT's# 03-59-220671

Sample ID	Date	Lead (ppm)	DRO (ppm)	GRO (ppm)	Benzene (ppb)	Ethyl Benzene (ppb)	MTBE (ppb)	Naphthalene (ppb)	Toluene (ppb)	Trimethylbenzenes (ppb)	Xylene (Total) (ppb)	Other VOC's (ppb)
G-1-W	04/29/13	NS	NS	NS	0.28	<0.55	<0.23	<1.7	<0.69	23.9	<1.32	NS
G-2-W	04/29/13	NS	NS	NS	<27	2470	<37	420	8700	3030	15500	NS
G-3-W	04/29/13	NS	NS	NS	<0.24	<0.55	<0.23	<1.7	<0.69	<3.6	<1.32	NS
G-4-W	04/29/13	NS	NS	NS	<0.24	<0.55	<0.23	<1.7	<0.69	<3.6	<1.32	NS
G-5-W	04/29/13	NS	NS	NS	<0.24	<0.55	<0.23	<1.7	<0.69	<3.6	<1.32	NS
G-6-W	04/29/13	NS	NS	NS	<0.24	<0.55	<0.23	<1.7	<0.69	<3.6	<1.32	NS
G-7-W	04/29/13	NS	NS	NS	<27	1410	<37	304	4600	2790	12600	NS
G-8-W	04/29/13	NS	NS	NS	<0.27	<0.82	<0.37	<1.2	0.9	5.48	31.3	NS
G-9-W	04/29/13	NS	NS	NS	<1.35	21.4	<1.85	15.7	<4	300	118	NS
G-10-W	04/14/14	NS	NS	NS	<12	<27.5	<11.5	<85	<34.5	384	510	NS
ENFORCEMENT STANDARD ES = Bold		15	-	-	5	700	60	100	800	480	2000	
PREVENTIVE ACTION LIMIT PAL = Italics		1.5	-	-	0.5	140	12	10	160	96	400	

NS = Not Sampled

(ppb) = parts per billion

(ppm) = parts per million

DRO = Diesel Range Organics

GRO = Gasoline Range Organics

A.1 Groundwater Analytical Table
 Y Go By Tavern LUST Site BRR's# 03-59-220671

Well Sampling Conducted on June 18, 2014

VOC's	MW-1	MW-2	MW-3	MW-4	ENFORCE MENT STANDARD = ES - Bold	PREVENTIVE ACTION LIMIT = PAL - Italics
Well Name						
Lead, dissolved/ppb	26.8	< 0.7	< 0.7	< 0.7	15	<i>1.5</i>
Benzene/ppb	< 120	< 0.24	< 0.24	< 0.24	5	<i>0.5</i>
Bromobenzene/ppb	< 160	< 0.32	< 0.32	< 0.32	==	==
Bromodichloromethane/ppb	< 185	< 0.37	< 0.37	< 0.37	==	==
Bromoform/ppb	< 175	< 0.35	< 0.35	< 0.35	==	==
tert-Butylbenzene/ppb	< 180	< 0.36	< 0.36	< 0.36	==	==
sec-Butylbenzene/ppb	< 165	< 0.33	< 0.33	< 0.33	==	==
n-Butylbenzene/ppb	< 175	< 0.35	< 0.35	< 0.35	==	==
Carbon Tetrachloride/ppb	< 165	< 0.33	< 0.33	< 0.33	5	<i>0.5</i>
Chlorobenzene/ppb	< 120	< 0.24	< 0.24	< 0.24	==	==
Chloroethane/ppb	< 315	< 0.63	< 0.63	< 0.63	==	==
Chloroform/ppb	< 140	< 0.28	< 0.28	< 0.28	6	<i>0.6</i>
Chloromethane/ppb	< 405	< 0.81	< 0.81	< 0.81	==	==
2-Chlorotoluene/ppb	< 105	< 0.21	< 0.21	< 0.21	==	==
4-Chlorotoluene/ppb	< 105	< 0.21	< 0.21	< 0.21	==	==
1,2-Dibromo-3-chloropropane/ppb	< 440	< 0.88	< 0.88	< 0.88	==	==
Dibromochloromethane/ppb	< 110	< 0.22	< 0.22	< 0.22	==	==
1,4-Dichlorobenzene/ppb	< 150	< 0.3	< 0.3	< 0.3	==	==
1,3-Dichlorobenzene/ppb	< 140	< 0.28	< 0.28	< 0.28	==	==
1,2-Dichlorobenzene/ppb	< 180	< 0.36	< 0.36	< 0.36	==	==
Dichlorodifluoromethane/ppb	< 220	< 0.44	< 0.44	< 0.44	1000	<i>200</i>
1,2-Dichloroethane/ppb	< 205	< 0.41	< 0.41	< 0.41	5	<i>0.5</i>
1,1-Dichloroethane/ppb	< 150	< 0.3	< 0.3	< 0.3	850	<i>85</i>
1,1-Dichloroethene/ppb	< 200	< 0.4	< 0.4	< 0.4	7	<i>0.7</i>
cis-1,2-Dichloroethene/ppb	< 190	< 0.38	< 0.38	< 0.38	70	<i>7</i>
trans-1,2-Dichloroethene/ppb	< 175	< 0.35	< 0.35	< 0.35	==	==
1,2-Dichloropropane/ppb	< 160	< 0.32	< 0.32	< 0.32	==	==
2,2-Dichloropropane/ppb	< 180	< 0.36	< 0.36	< 0.36	==	==
1,3-Dichloropropane/ppb	< 165	< 0.33	< 0.33	< 0.33	==	==
Di-isopropyl ether/ppb	< 115	< 0.23	< 0.23	< 0.23	==	==
EDB (1,2-Dibromoethane)/ppb	< 220	< 0.44	< 0.44	< 0.44	0.05	<i>0.005</i>
Ethylbenzene/ppb	2390	< 0.55	< 0.55	< 0.55	700	<i>140</i>
Hexachlorobutadiene/ppb	< 750	< 1.5	< 1.5	< 1.5	==	==
Isopropylbenzene/ppb	< 150	< 0.3	< 0.3	< 0.3	==	==
p-Isopropyltoluene/ppb	< 155	< 0.31	< 0.31	< 0.31	==	==
Methylene chloride/ppb	< 250	< 0.5	< 0.5	< 0.5	==	==
Methyl tert-butyl ether (MTBE)/ppb	< 115	< 0.23	< 0.23	< 0.23	60	<i>12</i>
Naphthalene/ppb	< 850	< 1.7	< 1.7	< 1.7	100	<i>10</i>
n-Propylbenzene/ppb	170 "J"	< 0.25	< 0.25	< 0.25	==	==
1,1,2,2-Tetrachloroethane/ppb	< 225	< 0.45	< 0.45	< 0.45	==	==
1,1,1,2-Tetrachloroethane/ppb	< 165	< 0.33	< 0.33	< 0.33	==	==
Tetrachloroethene (PCE)/ppb	< 165	< 0.33	< 0.33	< 0.33	5	<i>0.5</i>
Toluene/ppb	21400	< 0.69	< 0.69	< 0.69	800	<i>160</i>
1,2,4-Trichlorobenzene/ppb	< 490	< 0.98	< 0.98	< 0.98	==	==
1,2,3-Trichlorobenzene/ppb	< 900	< 1.8	< 1.8	< 1.8	==	==
1,1,1-Trichloroethane/ppb	< 165	< 0.33	< 0.33	< 0.33	==	==
1,1,2-Trichloroethane/ppb	< 170	< 0.34	< 0.34	< 0.34	==	==
Trichloroethene (TCE)/ppb	< 165	< 0.33	< 0.33	< 0.33	5	<i>0.5</i>
Trichlorofluoromethane/ppb	< 355	< 0.71	< 0.71	< 0.71	==	==
1,2,4-Trimethylbenzene/ppb	1840 "J"	< 2.2	< 2.2	< 2.2		
1,3,5-Trimethylbenzene/ppb	< 700	< 1.4	< 1.4	< 1.4	Total TMB's 480	<i>Total TMB's 96</i>
Vinyl Chloride/ppb	< 90	< 0.18	< 0.18	< 0.18	0.2	<i>0.02</i>
m&p-Xylene/ppb	10700	< 0.69	< 0.69	< 0.69		
o-Xylene/ppb	5100	< 0.63	< 0.63	< 0.63	Total Xylenes 2000	<i>Total Xylenes 400</i>

NS = not sampled, NM = Not Measured
 Q = Analyte detected above laboratory method detection limit but below practical quantitation limit.
 == No Exceedences
 (ppb) = parts per billion
 (ppm) = parts per million

A.1 Groundwater Analytical Table
 Y Go By Tavern LUST Site BRRT's# 03-59-220671

Well MW-1

PVC Elevation = 837.39 (feet) (MSL)

Date	Water Elevation (in feet msl)	Depth to water from top of PVC (in feet)	Lead (ppb)	Benzene (ppb)	Ethyl Benzene (ppb)	MTBE (ppb)	Naphthalene (ppb)	Toluene (ppb)	Trimethylbenzenes (ppb)	Xylene (Total) (ppb)
06/18/14	823.72	13.67	<0.06	<120	2390	<115	<850	21400	1840-2540	15800
09/18/14	823.81	13.58	NS	<135	3060	<185	840	25800	3180	18100
ENFORCEMENT STANDARD ES = Bold			15	5	700	60	100	800	480	2000
PREVENTIVE ACTION LIMIT PAL = Italics			1.5	0.5	140	12	10	160	96	400

(ppb) = parts per billion (ppm) = parts per million
 ns = not sampled nm = not measured
 Note: Elevations are presented in feet mean sea level (msl).

Well MW-2

PVC Elevation = 837.30 (feet) (MSL)

Date	Water Elevation (in feet msl)	Depth to water from top of PVC (in feet)	Lead (ppb)	Benzene (ppb)	Ethyl Benzene (ppb)	MTBE (ppb)	Naphthalene (ppb)	Toluene (ppb)	Trimethylbenzenes (ppb)	Xylene (Total) (ppb)
06/18/14	823.63	13.67	<0.06	<0.24	<0.55	<0.23	<1.7	<0.69	<3.6	<1.32
09/18/14	823.69	13.61	NS	<0.27	<0.82	<0.37	<1.2	<0.8	<1.69	<2.41
ENFORCEMENT STANDARD ES = Bold			15	5	700	60	100	800	480	2000
PREVENTIVE ACTION LIMIT PAL = Italics			1.5	0.5	140	12	10	160	96	400

(ppb) = parts per billion (ppm) = parts per million
 ns = not sampled nm = not measured
 Note: Elevations are presented in feet mean sea level (msl).

Well MW-3

PVC Elevation = 837.45 (feet) (MSL)

Date	Water Elevation (in feet msl)	Depth to water from top of PVC (in feet)	Lead (ppb)	Benzene (ppb)	Ethyl Benzene (ppb)	MTBE (ppb)	Naphthalene (ppb)	Toluene (ppb)	Trimethylbenzenes (ppb)	Xylene (Total) (ppb)
06/18/14	823.83	13.62	<0.7	<0.24	<0.55	<0.23	<1.7	<0.69	<3.6	<1.32
09/18/14	823.93	13.52	NS	<0.27	<0.82	<0.37	<1.2	<0.8	<1.69	<2.41
ENFORCEMENT STANDARD ES = Bold			15	5	700	60	100	800	480	2000
PREVENTIVE ACTION LIMIT PAL = Italics			1.5	0.5	140	12	10	160	96	400

(ppb) = parts per billion (ppm) = parts per million
 ns = not sampled nm = not measured
 Note: Elevations are presented in feet mean sea level (msl).

A.1 Groundwater Analytical Table
 Y Go By Tavern LUST Site BRRT's# 03-59-220671

Well MW-4

PVC Elevation = 836.65 (feet) (MSL)

Date	Water Elevation (in feet msl)	Depth to water from top of PVC (in feet)	Lead (ppb)	Benzene (ppb)	Ethyl Benzene (ppb)	MTBE (ppb)	Naphthalene (ppb)	Toluene (ppb)	Trimethylbenzenes (ppb)	Xylene (Total) (ppb)
06/18/14	823.57	13.08	<0.06	<0.24	<0.55	<0.23	<1.7	<0.69	<3.6	<1.32
09/18/14	823.74	12.91	NS	<0.27	<0.82	<0.37	<1.2	<0.8	<1.69	<2.41
ENFORCEMENT STANDARD ES = Bold			15	5	700	60	100	800	480	2000
PREVENTIVE ACTION LIMIT PAL = Italics			<i>1.5</i>	<i>0.5</i>	<i>140</i>	<i>12</i>	<i>10</i>	<i>160</i>	<i>96</i>	<i>400</i>

(ppb) = parts per billion (ppm) = parts per million

ns = not sampled nm = not measured

Note: Elevations are presented in feet mean sea level (msl).

N3215 PW

Date	Water Elevation (in feet msl)	Depth to water from top of PVC (in feet)	Lead (ppb)	Benzene (ppb)	Ethyl Benzene (ppb)	MTBE (ppb)	Naphthalene (ppb)	Toluene (ppb)	Trimethylbenzenes (ppb)	Xylene (Total) (ppb)
04/29/13	NM	NM	NS	<0.24	<0.27	<0.26	<0.49	<0.24	<0.57	<0.94
06/18/14	NM	NM	<0.7	<0.24	<0.27	<0.26	<0.49	<0.24	<0.57	<0.94
09/18/14	NM	NM	NS	<0.24	<0.27	<0.26	<0.49	<0.24	<0.57	<0.94
ENFORCEMENT STANDARD ES = Bold			15	5	700	60	100	800	480	2000
PREVENTIVE ACTION LIMIT PAL = Italics			<i>1.5</i>	<i>0.5</i>	<i>140</i>	<i>12</i>	<i>10</i>	<i>160</i>	<i>96</i>	<i>400</i>

(ppb) = parts per billion (ppm) = parts per million

ns = not sampled nm = not measured

Note: Elevations are presented in feet mean sea level (msl).

A.1 Groundwater Analytical Table
 Y Go By Tavern LUST Site BRR's# 03-59-220671

Well Sampling Conducted on:

Well Sampling Conducted on: 04/29/13 06/18/14 09/18/14

VOC's

Well Name	Potable Well	N3215	N3215	ENFORCE MENT STANDARD =	PREVENTIVE ACTION LIMIT =
				ES – Bold	PAL - <i>Italics</i>
Lead, dissolved/ppb	NS	< 0.7	NS	15	<i>1.5</i>
Benzene/ppb	< 0.24	< 0.24	< 0.24	5	<i>0.5</i>
Bromobenzene/ppb	< 0.33	< 0.33	< 0.33	==	==
Bromodichloromethane/ppb	< 0.27	< 0.27	< 0.27	==	==
Bromoform/ppb	< 0.34	< 0.34	< 0.34	==	==
Bromomethane/ppb	< 0.98	< 0.98	< 0.98	==	==
Carbon Tetrachloride/ppb	< 0.25	< 0.25	< 0.25	==	==
Chlorobenzene/ppb	< 0.24	< 0.24	< 0.24	==	==
Chloroethane/ppb	< 0.62	< 0.62	< 0.62	==	==
Chloroform/ppb	< 0.28	< 0.28	< 0.28	==	==
Chloromethane/ppb	< 0.81	< 0.81	< 0.81	==	==
2-Chlorotoluene/ppb	< 0.35	< 0.35	< 0.35	==	==
4-Chlorotoluene/ppb	< 0.29	< 0.29	< 0.29	==	==
Dibromochloromethane/ppb	< 0.2	< 0.2	< 0.2	==	==
Dibromomethane/ppb	< 0.41	< 0.41	< 0.41	==	==
1,4-Dichlorobenzene/ppb	< 0.25	< 0.25	< 0.25	==	==
1,3-Dichlorobenzene/ppb	< 0.3	< 0.3	< 0.3	==	==
1,2-Dichlorobenzene/ppb	< 0.28	< 0.28	< 0.28	==	==
Dichlorodifluoromethane/ppb	< 0.27	< 0.27	< 0.27	==	==
1,2-Dichloroethane/ppb	< 0.41	< 0.41	< 0.41	5	<i>0.5</i>
1,1-Dichloroethane/ppb	< 0.3	< 0.3	< 0.3	==	==
1,1-Dichloroethene/ppb	< 0.31	< 0.31	< 0.31	==	==
cis-1,2-Dichloroethene/ppb	< 0.32	< 0.32	< 0.32	==	==
trans-1,2-Dichloroethene/ppb	< 0.25	< 0.25	< 0.25	==	==
1,2-Dichloropropane/ppb	< 0.32	< 0.32	< 0.32	==	==
2,2-Dichloropropane/ppb	< 0.45	< 0.45	< 0.45	==	==
1,3-Dichloropropane/ppb	< 0.26	< 0.26	< 0.26	==	==
trans-1,3-Dichloropropene/ppb	< 0.22	< 0.22	< 0.22	==	==
cis-1,3-Dichloropropene/ppb	< 0.2	< 0.2	< 0.2	==	==
1,1-Dichloropropene/ppb	< 0.34	< 0.34	< 0.34	==	==
Ethylbenzene/ppb	< 0.27	< 0.27	< 0.27	700	<i>140</i>
Hexachlorobutadiene/ppb	< 0.48	< 0.48	< 0.48	==	==
Isopropylbenzene/ppb	< 0.3	< 0.3	< 0.3	==	==
p-Isopropyltoluene/ppb	< 0.3	< 0.3	< 0.3	==	==
Methylene chloride/ppb	< 0.35	< 0.35	< 0.35	==	==
Methyl tert-butyl ether (MTBE)/ppb	< 0.26	< 0.26	< 0.26	60	<i>12</i>
Naphthalene/ppb	< 0.49	< 0.49	< 0.49	100	<i>10</i>
Styrene/ppb	< 0.23	< 0.23	< 0.23	==	==
1,1,2,2-Tetrachloroethane/ppb	< 0.45	< 0.45	< 0.45	==	==
1,1,1,2-Tetrachloroethane/ppb	< 0.29	< 0.29	< 0.29	==	==
Tetrachloroethene(PCE)/ppb	< 0.27	< 0.27	< 0.27	5	<i>0.5</i>
Toluene/ppb	< 0.24	< 0.24	< 0.24	800	<i>160</i>
1,2,4-Trichlorobenzene/ppb	< 0.24	< 0.24	< 0.24	==	==
1,1,1-Trichloroethane/ppb	< 0.33	< 0.33	< 0.33	==	==
1,1,2-Trichloroethane/ppb	< 0.34	< 0.34	< 0.34	==	==
Trichloroethene (TCE)/ppb	< 0.3	< 0.3	< 0.3	5	<i>0.5</i>
Trichlorofluoromethane/ppb	< 0.26	< 0.26	< 0.26	==	==
1,2,3-Trichloropropane/ppb	< 0.91	< 0.91	< 0.91	==	==
Trichlorotrifluoroethane/ppb	< 0.41	< 0.41	< 0.41	==	==
1,2,4-Trimethylbenzene/ppb	< 0.31	< 0.31	< 0.31	Total TMB's 480	<i>Total TMB's 96</i>
1,3,5-Trimethylbenzene/ppb	< 0.26	< 0.26	< 0.26	==	==
Vinyl Chloride/ppb	< 0.18	< 0.18	< 0.18	==	==
m&p-Xylene/ppb	< 0.69	< 0.69	< 0.69	Total Xylenes 2000	<i>Total Xylenes 400</i>
o-Xylene/ppb	< 0.25	< 0.25	< 0.25	==	==

Note: Bold type indicates an ES exceedance, *italics* indicates a PAL exceedance. NS = not sampled, NM = Not Measured
 Q = Analyte detected above laboratory method detection limit but below practical quantitation limit.
 == No Exceedences

**A.7 Water Level Elevations
Y Go By Tavern LUST Site BRRT's# 03-59-220671
Belle Plaine, Wisconsin**

	MW-1	MW-2	MW-3	MW-4
Ground Surface (feet msl)	837.72	837.56	837.8	836.91
PVC top (feet msl)	837.39	837.30	837.45	836.65
Well Depth (feet)	20	20	20	20
Top of screen (feet msl)	827.72	827.56	827.8	826.91
Bottom of screen (feet msl)	817.72	817.56	817.8	816.91
Depth to Water From Top of PVC (feet)				
06/18/14	13.67	13.67	13.62	13.08
09/18/14	13.58	13.61	13.52	12.91
Depth to Water From Ground Surface (feet)				
06/18/14	14.00	13.93	13.97	13.34
09/18/14	13.91	13.87	13.87	13.17
Groundwater Elevation (feet msl)				
06/18/14	823.72	823.63	823.83	823.57
09/18/14	823.81	823.69	823.93	823.74

Note: Elevations are presented in feet mean sea level (msl).

A.8 Other
Groundwater NA Indicator Results
Y Go By Tavern LUST Site BRRT's# 03-59-220671

Well MW-1

Date	Dissolved Oxygen (ppm)	pH	ORP	Temp (C)	Specific Conductance	Nitrate + Nitrite (ppm)	Total Sulfate (ppm)	Dissolved Iron (ppm)	Manganese (ppb)
06/18/14	1.06	6.5	195	10.4	1286	11.5	66.4	<0.06	630
09/18/14	0.72	6.61	232	11.6	1412	NS	NS	NS	NS
ENFORCE MENT STANDARD = ES - Bold						10	-	-	300
PREVENTIVE ACTION LIMIT = PAL - Italics						2	-	-	60

(ppb) = parts per billion (ppm) = parts per million
 ns = not sampled nm = not measured
 Note: Elevations are presented in feet mean sea level (msl).

Well MW-2

Date	Dissolved Oxygen (ppm)	pH	ORP	Temp (C)	Specific Conductance	Nitrate + Nitrite (ppm)	Total Sulfate (ppm)	Dissolved Iron (ppm)	Manganese (ppb)
06/18/14	6.02	6.7	192	9.8	557	1.94	20.1	<0.06	67
09/18/14	6.51	6.65	151	11.1	567	NS	NS	NS	NS
ENFORCE MENT STANDARD = ES - Bold						10	-	-	300
PREVENTIVE ACTION LIMIT = PAL - Italics						2	-	-	60

(ppb) = parts per billion (ppm) = parts per million
 ns = not sampled nm = not measured
 Note: Elevations are presented in feet mean sea level (msl).

Well MW-3

Date	Dissolved Oxygen (ppm)	pH	ORP	Temp (C)	Specific Conductance	Nitrate + Nitrite (ppm)	Total Sulfate (ppm)	Dissolved Iron (ppm)	Manganese (ppb)
06/18/14	3.40	7.08	229	10.2	1062	6.21	30	<0.7	104
09/18/14	4.19	6.04	245	11.4	1222	NS	NS	NS	NS
ENFORCE MENT STANDARD = ES - Bold						10	-	-	300
PREVENTIVE ACTION LIMIT = PAL - Italics						2	-	-	60

(ppb) = parts per billion (ppm) = parts per million
 ns = not sampled nm = not measured
 Note: Elevations are presented in feet mean sea level (msl).

Well MW-4

Date	Dissolved Oxygen (ppm)	pH	ORP	Temp (C)	Specific Conductance	Nitrate + Nitrite (ppm)	Total Sulfate (ppm)	Dissolved Iron (ppm)	Manganese (ppb)
06/18/14	5.01	6.21	199	10.9	612	2.21	12	<0.06	111
09/18/14	5.19	6.44	249	11.5	581	NS	NS	NS	NS
ENFORCE MENT STANDARD = ES - Bold						10	-	-	300
PREVENTIVE ACTION LIMIT = PAL - Italics						2	-	-	60

(ppb) = parts per billion (ppm) = parts per million
 ns = not sampled nm = not measured
 Note: Elevations are presented in feet mean sea level (msl).

**Site Investigation Report - METCO
Y Go By Tavern**

APPENDIX A/ METHODS OF INVESTIGATION

Site Investigation Report - METCO Y Go By Tavern

Geoprobe Project

Geoprobe sampling was completed by Geiss Soil and Samples LLC. of Merrill, Wisconsin, under the supervision of METCO personnel. The Geoprobe consists of a truck or track-mounted, hydraulically driven unit that advances interconnected, 1-inch diameter, 4 foot long, and stainless steel rods into the subsurface.

Field observations such as soil characteristics, petroleum odors, and petroleum staining associated with all the collected samples were continuously noted throughout sampling. All Geoprobe holes were properly abandoned to ground level using bentonite clay.

The purpose of the Geoprobe Project was to cost effectively determine, if the released contaminants have impacted the soil and groundwater, and determine the general extent of contamination along those mediums. This collected information would then be used to guide the Drilling Project, if required.

Geoprobe Soil Sampling

The procedure consisted of advancing an assembled stainless steel sampler to the top of the interval to be sampled. A stop-pin was then removed, and the sampler driven until filled. The rods were retracted from the hole and the sample recovered.

Geoprobe Groundwater Sampling

This procedure consisted of advancing a stainless steel, mill slotted well point into the watertable interface. Disposable, flexible, ¼ inch diameter polyethylene tubing was then introduced through the steel rods and down to the watertable interface. A hand-held pump was used to slowly draw an undisturbed water sample into the polyethylene tube, which was then removed from the steel rods and the water sample immediately placed into sampling containers.

Drilling Project

Soil borings were conducted by Geiss Soil and Samples LLC. of Merrill, Wisconsin, under the supervision of METCO personnel. Using a truck or track-mounted auger drill rig, all borings were completed in accordance with ASTM D-1452, "Soil Investigation and Sampling by Auger Boring," using 4.25-inch, inside-diameter (ID) hollow stem augers. Soil sampling was conducted using a geoprobe. Using this procedure an assembled stainless steel sampler is advanced to the top of the interval to be sampled, a stop-pin is then removed, and the sampler driven until filled.

Field observations such as soil characteristics, petroleum odors, and petroleum

Site Investigation Report - METCO Y Go By Tavern

staining were continuously noted throughout the drilling process.

The purpose of the Drilling Project and subsequent well installation/sampling was to investigate subsurface conditions and characteristics, verify the extent of petroleum contamination in local soil and groundwater, and collect aquifer data.

Field Screening

Selected soil samples were scanned with a Model DL102 HNU Photo-ionization Meter equipped with a 10.6 eV lamp. Metered calibrations were done at the beginning of each workday using an isobutylene standard. A quart sized Ziploc bag was filled, by gloved hand, one-third full with the sample. The Ziploc bags were sealed and shaken vigorously for 30 seconds. Headspace development was established by allowing the sample to rest for at least 15 minutes. If ambient temperatures are below 70 degrees Fahrenheit, headspace development takes place in a heated environment, which allows the sample enough time to establish satisfactory headspace. To take readings, the HNU probe was inserted through the Ziploc seal and the highest meter response recorded.

Throughout the field projects the HNU Meter did not encounter any vast temperature or humidity changes, malfunctions, repairs, or any other obvious interferences that would affect its results.

Monitoring Well Installation, Development, and Sampling

Monitoring well installation was completed by Geiss Soil and Samples LLC. under the supervision of METCO personnel and done in accordance with Wisconsin Department of Natural Resources Chapter NR141, "Groundwater Monitoring Well Requirements." The monitoring wells were constructed of flush threaded, 2-inch inside-diameter schedule 40 polyvinyl chloride (PVC) piping. Ten-foot well screens with 0.010-inch slots were installed partially into the groundwater, with the watertable intersecting the screen. Uniform washed sand was installed around the well screens to serve as a filter pack. Bentonite was used above the filter pack to provide an annular space seal.

Locking watertight caps along with steel flush-mounted covers were installed with the wells for protection. Monitoring Well Construction Forms and a Groundwater Monitoring Well Information Form are presented in Appendix C.

The wells were surveyed by Fauerbach Surveying & Engineering of Hillsboro, Wisconsin. Measurements were recorded in feet mean sea level.

Each well was alternately surged and purged by METCO personnel with a bottom loading, disposable, polyethylene bailer for 15-20 minutes to remove fines from the well screen. Approximately 20-50 gallons of groundwater was then removed with a

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small electrical submersible pump. Well Development Forms are presented in Appendix C.

Groundwater samples for laboratory analysis were collected using a bottom loading, disposable, polyethylene bailer and disposable, polyethylene twine. A minimum of four well volumes was purged from the well immediately before sampling.

Field observations such as color, turbidity, petroleum odors, and petroleum sheens associated with the collected samples were continuously noted throughout sampling.

Sample Preparation

The volume of sample, size of container, and type of sample preservation was dependent on the specific parameter for which the sample was to be analyzed. Parameter specific information is presented in the LUST Sample Guidelines located in Appendix E.

Field Sampling and Transportation Quality Control

All samples were collected in a manner as to maintain their quality and to eliminate any possible cross contamination. METCO did not deviate from any WDNR or laboratory recommended procedures for sample collection, preservation, or transportation on this project.

Equipment advanced into the subsurface was cleaned between sampling locations. Cleaning consisted of washing with a biodegradable Alconox solution and rinsing with potable water. Disposable equipment was not cleaned, but immediately disposed of after use.

All samples were constantly kept on ice in a cooler and hand delivered to the laboratory.

Laboratory Quality Control

See Appendix B for the results of any field blanks, trip blanks, temperature blanks, lab spikes, split samples, replicate spikes, and duplicates.

Investigative Wastes

On June 3, 2014, DKS Transport Services, LLC, of Menomonie, Wisconsin picked-up and disposed of four drums of soil cuttings and one drum of purge water to the Advanced Disposal Seven Mile Creek Landfill in Eau Claire, Wisconsin.

**Site Investigation Report - METCO
Y Go By Tavern**

APPENDIX B/ ANALYTICAL METHODS & LABORATORY DATA REPORTS

Synergy Environmental Lab,

1990 Prospect Ct., Appleton, WI 54914 *P 920-830-2455 * F 920-733-0631

ARLAND DILLENBURG
ARLAND DILLENBURG
142 S. FRANKLIN ST.
SHAWANO, WI 54116

Report Date 15-Jul-13

Project Name Y GO BY TAVERN
Project #

Invoice # E25110

Lab Code 5025110A
Sample ID MEOH BLANK
Sample Matrix Soil
Sample Date 4/29/2013

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
GRO/PVOC + Naphthalene										
Gasoline Range Organics	< 10	mg/kg	2.3	7.3	1	GRO95/8021		5/10/2013	CJR	1
Benzene	< 25	ug/kg	7.9	25	1	GRO95/8021		5/10/2013	CJR	1
Ethylbenzene	< 25	ug/kg	7.7	25	1	GRO95/8021		5/10/2013	CJR	1
Methyl tert-butyl ether (MTBE)	< 25	ug/kg	8.1	26	1	GRO95/8021		5/10/2013	CJR	1
Naphthalene	< 25	ug/kg	22	70	1	GRO95/8021		5/10/2013	CJR	1
Toluene	< 25	ug/kg	8.4	27	1	GRO95/8021		5/10/2013	CJR	1
1,2,4-Trimethylbenzene	< 25	ug/kg	10	33	1	GRO95/8021		5/10/2013	CJR	1
1,3,5-Trimethylbenzene	< 25	ug/kg	9.3	30	1	GRO95/8021		5/10/2013	CJR	1
m&p-Xylene	< 50	ug/kg	16	50	1	GRO95/8021		5/10/2013	CJR	1
o-Xylene	< 25	ug/kg	10	32	1	GRO95/8021		5/10/2013	CJR	1

Project #

Lab Code 5025110B
 Sample ID G-1-1
 Sample Matrix Soil
 Sample Date 4/29/2013

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	84.5	%			1	5021		5/6/2013	MDK	1
Inorganic										
Metals										
Lead, Total	31.5	mg/Kg	0.6	1.92	2	6010B		5/15/2013	CWT	1 49
Organic										
GRO/PVOC + Naphthalene										
Gasoline Range Organics	< 10	mg/kg	2.3	7.3	1	GRO95/8021		5/10/2013	CJR	1
Benzene	< 25	ug/kg	7.9	25	1	GRO95/8021		5/10/2013	CJR	1
Ethylbenzene	< 25	ug/kg	7.7	25	1	GRO95/8021		5/10/2013	CJR	1
Methyl tert-butyl ether (MTBE)	< 25	ug/kg	8.1	26	1	GRO95/8021		5/10/2013	CJR	1
Naphthalene	< 25	ug/kg	22	70	1	GRO95/8021		5/10/2013	CJR	1
Toluene	< 25	ug/kg	8.4	27	1	GRO95/8021		5/10/2013	CJR	1
1,2,4-Trimethylbenzene	< 25	ug/kg	10	33	1	GRO95/8021		5/10/2013	CJR	1
1,3,5-Trimethylbenzene	< 25	ug/kg	9.3	30	1	GRO95/8021		5/10/2013	CJR	1
m&p-Xylene	< 50	ug/kg	16	50	1	GRO95/8021		5/10/2013	CJR	1
o-Xylene	< 25	ug/kg	10	32	1	GRO95/8021		5/10/2013	CJR	1

Lab Code 5025110C
 Sample ID G-1-2
 Sample Matrix Soil
 Sample Date 4/29/2013

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	91.0	%			1	5021		5/6/2013	MDK	1
Organic										
GRO/PVOC + Naphthalene										
Gasoline Range Organics	< 10	mg/kg	2.3	7.3	1	GRO95/8021		5/10/2013	CJR	1
Benzene	< 25	ug/kg	7.9	25	1	GRO95/8021		5/10/2013	CJR	1
Ethylbenzene	< 25	ug/kg	7.7	25	1	GRO95/8021		5/10/2013	CJR	1
Methyl tert-butyl ether (MTBE)	< 25	ug/kg	8.1	26	1	GRO95/8021		5/10/2013	CJR	1
Naphthalene	< 25	ug/kg	22	70	1	GRO95/8021		5/10/2013	CJR	1
Toluene	< 25	ug/kg	8.4	27	1	GRO95/8021		5/10/2013	CJR	1
1,2,4-Trimethylbenzene	34	ug/kg	10	33	1	GRO95/8021		5/10/2013	CJR	1
1,3,5-Trimethylbenzene	< 25	ug/kg	9.3	30	1	GRO95/8021		5/10/2013	CJR	1
m&p-Xylene	< 50	ug/kg	16	50	1	GRO95/8021		5/10/2013	CJR	1
o-Xylene	< 25	ug/kg	10	32	1	GRO95/8021		5/10/2013	CJR	1

Project #

Lab Code 5025110D
 Sample ID G-1-3
 Sample Matrix Soil
 Sample Date 4/29/2013

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	86.5	%			1	5021		5/6/2013	MDK	1
Organic										
GRO/PVOC + Naphthalene										
Gasoline Range Organics	< 10	mg/kg	2.3	7.3	1	GRO95/8021		5/10/2013	CJR	1
Benzene	< 25	ug/kg	7.9	25	1	GRO95/8021		5/10/2013	CJR	1
Ethylbenzene	< 25	ug/kg	7.7	25	1	GRO95/8021		5/10/2013	CJR	1
Methyl tert-butyl ether (MTBE)	< 25	ug/kg	8.1	26	1	GRO95/8021		5/10/2013	CJR	1
Naphthalene	< 25	ug/kg	22	70	1	GRO95/8021		5/10/2013	CJR	1
Toluene	< 25	ug/kg	8.4	27	1	GRO95/8021		5/10/2013	CJR	1
1,2,4-Trimethylbenzene	< 25	ug/kg	10	33	1	GRO95/8021		5/10/2013	CJR	1
1,3,5-Trimethylbenzene	< 25	ug/kg	9.3	30	1	GRO95/8021		5/10/2013	CJR	1
m&p-Xylene	< 50	ug/kg	16	50	1	GRO95/8021		5/10/2013	CJR	1
o-Xylene	< 25	ug/kg	10	32	1	GRO95/8021		5/10/2013	CJR	1

Lab Code 5025110E
 Sample ID G-1-4
 Sample Matrix Soil
 Sample Date 4/29/2013

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	80.5	%			1	5021		5/6/2013	MDK	1
Organic										
GRO/PVOC + Naphthalene										
Gasoline Range Organics	1310	mg/kg	23	73	10	GRO95/8021		5/11/2013	CJR	1
Benzene	2010	ug/kg	79	250	10	GRO95/8021		5/11/2013	CJR	1
Ethylbenzene	660	ug/kg	77	250	10	GRO95/8021		5/11/2013	CJR	1
Methyl tert-butyl ether (MTBE)	< 250	ug/kg	81	260	10	GRO95/8021		5/11/2013	CJR	1
Naphthalene	2180	ug/kg	220	700	10	GRO95/8021		5/11/2013	CJR	1
Toluene	2590	ug/kg	84	270	10	GRO95/8021		5/11/2013	CJR	1
1,2,4-Trimethylbenzene	12400	ug/kg	100	330	10	GRO95/8021		5/11/2013	CJR	1
1,3,5-Trimethylbenzene	12000	ug/kg	93	300	10	GRO95/8021		5/11/2013	CJR	1
m&p-Xylene	7900	ug/kg	160	500	10	GRO95/8021		5/11/2013	CJR	1
o-Xylene	900	ug/kg	100	320	10	GRO95/8021		5/11/2013	CJR	1

Project Name Y GO BY TAVERN
Project #

Invoice # E25110

Lab Code 5025110F
Sample ID G-2-1
Sample Matrix Soil
Sample Date 4/29/2013

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	89.4	%			1	5021		5/6/2013	MDK	1
Inorganic										
Metals										
Lead, Total	7.70	mg/Kg	0.6	1.92	2	6010B		5/15/2013	CWT	149
Organic										
GRO/PVOC + Naphthalene										
Gasoline Range Organics	< 10	mg/kg	2.3	7.3	1	GRO95/8021		5/10/2013	CJR	1
Benzene	< 25	ug/kg	7.9	25	1	GRO95/8021		5/10/2013	CJR	1
Ethylbenzene	< 25	ug/kg	7.7	25	1	GRO95/8021		5/10/2013	CJR	1
Methyl tert-butyl ether (MTBE)	< 25	ug/kg	8.1	26	1	GRO95/8021		5/10/2013	CJR	1
Naphthalene	< 25	ug/kg	22	70	1	GRO95/8021		5/10/2013	CJR	1
Toluene	< 25	ug/kg	8.4	27	1	GRO95/8021		5/10/2013	CJR	1
1,2,4-Trimethylbenzene	< 25	ug/kg	10	33	1	GRO95/8021		5/10/2013	CJR	1
1,3,5-Trimethylbenzene	< 25	ug/kg	9.3	30	1	GRO95/8021		5/10/2013	CJR	1
m&p-Xylene	< 50	ug/kg	16	50	1	GRO95/8021		5/10/2013	CJR	1
o-Xylene	< 25	ug/kg	10	32	1	GRO95/8021		5/10/2013	CJR	1

Lab Code 5025110G
Sample ID G-2-2
Sample Matrix Soil
Sample Date 4/29/2013

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	88.7	%			1	5021		5/6/2013	MDK	1
Organic										
GRO/PVOC + Naphthalene										
Gasoline Range Organics	< 10	mg/kg	2.3	7.3	1	GRO95/8021		5/10/2013	CJR	1
Benzene	< 25	ug/kg	7.9	25	1	GRO95/8021		5/10/2013	CJR	1
Ethylbenzene	< 25	ug/kg	7.7	25	1	GRO95/8021		5/10/2013	CJR	1
Methyl tert-butyl ether (MTBE)	< 25	ug/kg	8.1	26	1	GRO95/8021		5/10/2013	CJR	1
Naphthalene	45 "J"	ug/kg	22	70	1	GRO95/8021		5/10/2013	CJR	1
Toluene	26.3 "J"	ug/kg	8.4	27	1	GRO95/8021		5/10/2013	CJR	1
1,2,4-Trimethylbenzene	27 "J"	ug/kg	10	33	1	GRO95/8021		5/10/2013	CJR	1
1,3,5-Trimethylbenzene	44	ug/kg	9.3	30	1	GRO95/8021		5/10/2013	CJR	1
m&p-Xylene	55	ug/kg	16	50	1	GRO95/8021		5/10/2013	CJR	1
o-Xylene	53	ug/kg	10	32	1	GRO95/8021		5/10/2013	CJR	1

Project #

Lab Code 5025110H
 Sample ID G-2-3
 Sample Matrix Soil
 Sample Date 4/29/2013

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	86.1	%			1	5021		5/6/2013	MDK	1
Organic										
GRO/PVOC + Naphthalene										
Gasoline Range Organics	< 10	mg/kg	2.3	7.3	1	GRO95/8021		5/10/2013	CJR	1
Benzene	< 25	ug/kg	7.9	25	1	GRO95/8021		5/10/2013	CJR	1
Ethylbenzene	< 25	ug/kg	7.7	25	1	GRO95/8021		5/10/2013	CJR	1
Methyl tert-butyl ether (MTBE)	< 25	ug/kg	8.1	26	1	GRO95/8021		5/10/2013	CJR	1
Naphthalene	92	ug/kg	22	70	1	GRO95/8021		5/10/2013	CJR	1
Toluene	84	ug/kg	8.4	27	1	GRO95/8021		5/10/2013	CJR	1
1,2,4-Trimethylbenzene	120	ug/kg	10	33	1	GRO95/8021		5/10/2013	CJR	1
1,3,5-Trimethylbenzene	96	ug/kg	9.3	30	1	GRO95/8021		5/10/2013	CJR	1
m&p-Xylene	241	ug/kg	16	50	1	GRO95/8021		5/10/2013	CJR	1
o-Xylene	145	ug/kg	10	32	1	GRO95/8021		5/10/2013	CJR	1

Project

Lab Code 5025110I

Sample ID G-2-4

Sample Matrix Soil

Sample Date 4/29/2013

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	83.1	%			1	5021		5/6/2013	MDK	1
Inorganic										
Metals										
Lead, Total	1.54 "J"	mg/Kg	0.6	1.92	2	6010B		5/15/2013	CWT	1 49
Organic										
General										
Gasoline Range Organics	234	mg/kg	2.3	7.3	1	GRO95/8021		5/10/2013	CJR	1
VOC's										
Benzene	< 92	ug/kg	92	290	10	8260B		5/14/2013	CJR	1
Bromobenzene	< 130	ug/kg	130	400	10	8260B		5/14/2013	CJR	1
Bromodichloromethane	< 270	ug/kg	270	850	10	8260B		5/14/2013	CJR	1
Bromoform	< 300	ug/kg	300	950	10	8260B		5/14/2013	CJR	1
tert-Butylbenzene	< 200	ug/kg	200	640	10	8260B		5/14/2013	CJR	1
sec-Butylbenzene	< 410	ug/kg	410	1320	10	8260B		5/14/2013	CJR	1
n-Butylbenzene	880	ug/kg	260	820	10	8260B		5/14/2013	CJR	1
Carbon Tetrachloride	< 250	ug/kg	250	790	10	8260B		5/14/2013	CJR	1
Chlorobenzene	< 160	ug/kg	160	520	10	8260B		5/14/2013	CJR	1
Chloroethane	< 420	ug/kg	420	1330	10	8260B		5/14/2013	CJR	1
Chloroform	< 490	ug/kg	490	1570	10	8260B		5/14/2013	CJR	1
Chloromethane	< 1810	ug/kg	1810	5770	10	8260B		5/14/2013	CJR	1
2-Chlorotoluene	< 160	ug/kg	160	520	10	8260B		5/14/2013	CJR	1
4-Chlorotoluene	< 140	ug/kg	140	430	10	8260B		5/14/2013	CJR	1
1,2-Dibromo-3-chloropropane	< 480	ug/kg	480	1540	10	8260B		5/14/2013	CJR	1
Dibromochloromethane	< 140	ug/kg	140	450	10	8260B		5/14/2013	CJR	1
1,4-Dichlorobenzene	< 330	ug/kg	330	1030	10	8260B		5/14/2013	CJR	1
1,3-Dichlorobenzene	< 300	ug/kg	300	950	10	8260B		5/14/2013	CJR	1
1,2-Dichlorobenzene	< 380	ug/kg	380	1220	10	8260B		5/14/2013	CJR	1
Dichlorodifluoromethane	< 570	ug/kg	570	1820	10	8260B		5/14/2013	CJR	1
1,2-Dichloroethane	< 360	ug/kg	360	1140	10	8260B		5/14/2013	CJR	1
1,1-Dichloroethane	< 190	ug/kg	190	600	10	8260B		5/14/2013	CJR	1
1,1-Dichloroethene	< 210	ug/kg	210	660	10	8260B		5/14/2013	CJR	1
cis-1,2-Dichloroethene	< 240	ug/kg	240	770	10	8260B		5/14/2013	CJR	1
trans-1,2-Dichloroethene	< 290	ug/kg	290	930	10	8260B		5/14/2013	CJR	1
1,2-Dichloropropane	< 95	ug/kg	95	300	10	8260B		5/14/2013	CJR	1
2,2-Dichloropropane	< 460	ug/kg	460	1480	10	8260B		5/14/2013	CJR	1
1,3-Dichloropropane	< 210	ug/kg	210	680	10	8260B		5/14/2013	CJR	1
Di-isopropyl ether	< 110	ug/kg	110	340	10	8260B		5/14/2013	CJR	1
EDB (1,2-Dibromoethane)	< 200	ug/kg	200	640	10	8260B		5/14/2013	CJR	1
Ethylbenzene	7900	ug/kg	100	330	10	8260B		5/14/2013	CJR	1
Hexachlorobutadiene	< 950	ug/kg	950	3040	10	8260B		5/14/2013	CJR	1
Isopropylbenzene	510 "J"	ug/kg	250	800	10	8260B		5/14/2013	CJR	1
p-Isopropyltoluene	< 310	ug/kg	310	980	10	8260B		5/14/2013	CJR	1
Methylene chloride	< 570	ug/kg	570	1820	10	8260B		5/14/2013	CJR	1
Methyl tert-butyl ether (MTBE)	< 300	ug/kg	300	960	10	8260B		5/14/2013	CJR	1
Naphthalene	1370 "J"	ug/kg	1140	3630	10	8260B		5/14/2013	CJR	1
n-Propylbenzene	2140	ug/kg	240	750	10	8260B		5/14/2013	CJR	1
1,1,2,2-Tetrachloroethane	< 120	ug/kg	120	380	10	8260B		5/14/2013	CJR	1
1,1,1,2-Tetrachloroethane	< 230	ug/kg	230	740	10	8260B		5/14/2013	CJR	1
Tetrachloroethene	< 490	ug/kg	490	1570	10	8260B		5/14/2013	CJR	1
Toluene	16000	ug/kg	200	650	10	8260B		5/14/2013	CJR	1
1,2,4-Trichlorobenzene	< 790	ug/kg	790	2510	10	8260B		5/14/2013	CJR	1
1,2,3-Trichlorobenzene	< 1290	ug/kg	1290	4110	10	8260B		5/14/2013	CJR	1
1,1,1-Trichloroethane	< 380	ug/kg	380	1200	10	8260B		5/14/2013	CJR	1
1,1,2-Trichloroethane	< 230	ug/kg	230	740	10	8260B		5/14/2013	CJR	1
Trichloroethene (TCE)	< 280	ug/kg	280	880	10	8260B		5/14/2013	CJR	1

Project #

Lab Code 5025110I
 Sample ID G-2-4
 Sample Matrix Soil
 Sample Date 4/29/2013

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Trichlorofluoromethane	< 860	ug/kg	860	2730	10	8260B		5/14/2013	CJR	1
1,2,4-Trimethylbenzene	12600	ug/kg	260	810	10	8260B		5/14/2013	CJR	1
1,3,5-Trimethylbenzene	3900	ug/kg	260	840	10	8260B		5/14/2013	CJR	1
Vinyl Chloride	< 210	ug/kg	210	660	10	8260B		5/14/2013	CJR	1
m&p-Xylene	30700	ug/kg	680	2160	10	8260B		5/14/2013	CJR	1
o-Xylene	11400	ug/kg	310	980	10	8260B		5/14/2013	CJR	1
SUR - 1,2-Dichloroethane-d4	95	Rec %			10	8260B		5/14/2013	CJR	1
SUR - Toluene-d8	101	Rec %			10	8260B		5/14/2013	CJR	1
SUR - 4-Bromofluorobenzene	100	Rec %			10	8260B		5/14/2013	CJR	1
SUR - Dibromofluoromethane	95	Rec %			10	8260B		5/14/2013	CJR	1

Lab Code 5025110J
 Sample ID G-3-1
 Sample Matrix Soil
 Sample Date 4/29/2013

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	85.5	%			1	5021		5/6/2013	MDK	1
Inorganic										
Metals										
Lead, Total	4.89	mg/Kg	0.6	1.92	2	6010B		5/15/2013	CWT	1 49
Organic										
GRO/PVOC + Naphthalene										
Gasoline Range Organics	< 10	mg/kg	2.3	7.3	1	GRO95/8021		5/13/2013	CJR	1
Benzene	< 25	ug/kg	7.9	25	1	GRO95/8021		5/13/2013	CJR	1
Ethylbenzene	< 25	ug/kg	7.7	25	1	GRO95/8021		5/13/2013	CJR	1
Methyl tert-butyl ether (MTBE)	< 25	ug/kg	8.1	26	1	GRO95/8021		5/13/2013	CJR	1
Naphthalene	< 25	ug/kg	22	70	1	GRO95/8021		5/13/2013	CJR	1
Toluene	< 25	ug/kg	8.4	27	1	GRO95/8021		5/13/2013	CJR	1
1,2,4-Trimethylbenzene	< 25	ug/kg	10	33	1	GRO95/8021		5/13/2013	CJR	1
1,3,5-Trimethylbenzene	< 25	ug/kg	9.3	30	1	GRO95/8021		5/13/2013	CJR	1
m&p-Xylene	< 50	ug/kg	16	50	1	GRO95/8021		5/13/2013	CJR	1
o-Xylene	< 25	ug/kg	10	32	1	GRO95/8021		5/13/2013	CJR	1

Project #

Lab Code 5025110K
 Sample ID G-3-2
 Sample Matrix Soil
 Sample Date 4/29/2013

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	94.6	%			1	5021		5/6/2013	MDK	1
Organic										
GRO/PVOC + Naphthalene										
Gasoline Range Organics	< 10	mg/kg	2.3	7.3	1	GRO95/8021		5/13/2013	CJR	1
Benzene	< 25	ug/kg	7.9	25	1	GRO95/8021		5/13/2013	CJR	1
Ethylbenzene	< 25	ug/kg	7.7	25	1	GRO95/8021		5/13/2013	CJR	1
Methyl tert-butyl ether (MTBE)	< 25	ug/kg	8.1	26	1	GRO95/8021		5/13/2013	CJR	1
Naphthalene	< 25	ug/kg	22	70	1	GRO95/8021		5/13/2013	CJR	1
Toluene	< 25	ug/kg	8.4	27	1	GRO95/8021		5/13/2013	CJR	1
1,2,4-Trimethylbenzene	< 25	ug/kg	10	33	1	GRO95/8021		5/13/2013	CJR	1
1,3,5-Trimethylbenzene	< 25	ug/kg	9.3	30	1	GRO95/8021		5/13/2013	CJR	1
m&p-Xylene	< 50	ug/kg	16	50	1	GRO95/8021		5/13/2013	CJR	1
o-Xylene	< 25	ug/kg	10	32	1	GRO95/8021		5/13/2013	CJR	1

Lab Code 5025110L
 Sample ID G-3-4
 Sample Matrix Soil
 Sample Date 4/29/2013

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	82.7	%			1	5021		5/6/2013	MDK	1
Organic										
GRO/PVOC + Naphthalene										
Gasoline Range Organics	< 10	mg/kg	2.3	7.3	1	GRO95/8021		5/10/2013	CJR	1
Benzene	< 25	ug/kg	7.9	25	1	GRO95/8021		5/10/2013	CJR	1
Ethylbenzene	< 25	ug/kg	7.7	25	1	GRO95/8021		5/10/2013	CJR	1
Methyl tert-butyl ether (MTBE)	< 25	ug/kg	8.1	26	1	GRO95/8021		5/10/2013	CJR	1
Naphthalene	< 25	ug/kg	22	70	1	GRO95/8021		5/10/2013	CJR	1
Toluene	< 25	ug/kg	8.4	27	1	GRO95/8021		5/10/2013	CJR	1
1,2,4-Trimethylbenzene	< 25	ug/kg	10	33	1	GRO95/8021		5/10/2013	CJR	1
1,3,5-Trimethylbenzene	< 25	ug/kg	9.3	30	1	GRO95/8021		5/10/2013	CJR	1
m&p-Xylene	< 50	ug/kg	16	50	1	GRO95/8021		5/10/2013	CJR	1
o-Xylene	< 25	ug/kg	10	32	1	GRO95/8021		5/10/2013	CJR	1

Project #

Lab Code 5025110M
 Sample ID G-4-1
 Sample Matrix Soil
 Sample Date 4/29/2013

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	86.9	%			1	5021		5/6/2013	MDK	1
Inorganic										
Metals										
Lead, Total	4.09	mg/Kg	0.6	1.92	2	6010B		5/15/2013	CWT	1 49
Organic										
GRO/PVOC + Naphthalene										
Gasoline Range Organics	< 10	mg/kg	2.3	7.3	1	GRO95/8021		5/10/2013	CJR	1
Benzene	< 25	ug/kg	7.9	25	1	GRO95/8021		5/10/2013	CJR	1
Ethylbenzene	< 25	ug/kg	7.7	25	1	GRO95/8021		5/10/2013	CJR	1
Methyl tert-butyl ether (MTBE)	< 25	ug/kg	8.1	26	1	GRO95/8021		5/10/2013	CJR	1
Naphthalene	< 25	ug/kg	22	70	1	GRO95/8021		5/10/2013	CJR	1
Toluene	< 25	ug/kg	8.4	27	1	GRO95/8021		5/10/2013	CJR	1
1,2,4-Trimethylbenzene	< 25	ug/kg	10	33	1	GRO95/8021		5/10/2013	CJR	1
1,3,5-Trimethylbenzene	< 25	ug/kg	9.3	30	1	GRO95/8021		5/10/2013	CJR	1
m&p-Xylene	< 50	ug/kg	16	50	1	GRO95/8021		5/10/2013	CJR	1
o-Xylene	< 25	ug/kg	10	32	1	GRO95/8021		5/10/2013	CJR	1

Lab Code 5025110N
 Sample ID G-4-2
 Sample Matrix Soil
 Sample Date 4/29/2013

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	89.2	%			1	5021		5/6/2013	MDK	1
Organic										
GRO/PVOC + Naphthalene										
Gasoline Range Organics	< 10	mg/kg	2.3	7.3	1	GRO95/8021		5/11/2013	CJR	1
Benzene	< 25	ug/kg	7.9	25	1	GRO95/8021		5/11/2013	CJR	1
Ethylbenzene	< 25	ug/kg	7.7	25	1	GRO95/8021		5/11/2013	CJR	1
Methyl tert-butyl ether (MTBE)	< 25	ug/kg	8.1	26	1	GRO95/8021		5/11/2013	CJR	1
Naphthalene	< 25	ug/kg	22	70	1	GRO95/8021		5/11/2013	CJR	1
Toluene	< 25	ug/kg	8.4	27	1	GRO95/8021		5/11/2013	CJR	1
1,2,4-Trimethylbenzene	< 25	ug/kg	10	33	1	GRO95/8021		5/11/2013	CJR	1
1,3,5-Trimethylbenzene	< 25	ug/kg	9.3	30	1	GRO95/8021		5/11/2013	CJR	1
m&p-Xylene	< 50	ug/kg	16	50	1	GRO95/8021		5/11/2013	CJR	1
o-Xylene	< 25	ug/kg	10	32	1	GRO95/8021		5/11/2013	CJR	1

Project #

Lab Code 50251100
 Sample ID G-4-4
 Sample Matrix Soil
 Sample Date 4/29/2013

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	90.4	%			1	5021		5/6/2013	MDK	1
Organic										
GRO/PVOC + Naphthalene										
Gasoline Range Organics	< 10	mg/kg	2.3	7.3	1	GRO95/8021		5/11/2013	CJR	1
Benzene	< 25	ug/kg	7.9	25	1	GRO95/8021		5/11/2013	CJR	1
Ethylbenzene	< 25	ug/kg	7.7	25	1	GRO95/8021		5/11/2013	CJR	1
Methyl tert-butyl ether (MTBE)	< 25	ug/kg	8.1	26	1	GRO95/8021		5/11/2013	CJR	1
Naphthalene	< 25	ug/kg	22	70	1	GRO95/8021		5/11/2013	CJR	1
Toluene	< 25	ug/kg	8.4	27	1	GRO95/8021		5/11/2013	CJR	1
1,2,4-Trimethylbenzene	< 25	ug/kg	10	33	1	GRO95/8021		5/11/2013	CJR	1
1,3,5-Trimethylbenzene	< 25	ug/kg	9.3	30	1	GRO95/8021		5/11/2013	CJR	1
m&p-Xylene	< 50	ug/kg	16	50	1	GRO95/8021		5/11/2013	CJR	1
o-Xylene	< 25	ug/kg	10	32	1	GRO95/8021		5/11/2013	CJR	1

Lab Code 5025110P
 Sample ID G-5-1
 Sample Matrix Soil
 Sample Date 4/29/2013

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	95.6	%			1	5021		5/6/2013	MDK	1
Inorganic										
Metals										
Lead, Total	1.77 "J"	mg/Kg	0.6	1.92	2	6010B		5/15/2013	CWT	1 49
Organic										
GRO/PVOC + Naphthalene										
Gasoline Range Organics	< 10	mg/kg	2.3	7.3	1	GRO95/8021		5/13/2013	CJR	1
Benzene	< 25	ug/kg	7.9	25	1	GRO95/8021		5/13/2013	CJR	1
Ethylbenzene	< 25	ug/kg	7.7	25	1	GRO95/8021		5/13/2013	CJR	1
Methyl tert-butyl ether (MTBE)	< 25	ug/kg	8.1	26	1	GRO95/8021		5/13/2013	CJR	1
Naphthalene	< 25	ug/kg	22	70	1	GRO95/8021		5/13/2013	CJR	1
Toluene	< 25	ug/kg	8.4	27	1	GRO95/8021		5/13/2013	CJR	1
1,2,4-Trimethylbenzene	< 25	ug/kg	10	33	1	GRO95/8021		5/13/2013	CJR	1
1,3,5-Trimethylbenzene	< 25	ug/kg	9.3	30	1	GRO95/8021		5/13/2013	CJR	1
m&p-Xylene	< 50	ug/kg	16	50	1	GRO95/8021		5/13/2013	CJR	1
o-Xylene	< 25	ug/kg	10	32	1	GRO95/8021		5/13/2013	CJR	1

Project #

Lab Code 5025110Q
 Sample ID G-5-2
 Sample Matrix Soil
 Sample Date 4/29/2013

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	88.3	%			1	5021		5/6/2013	MDK	1
Organic										
GRO/PVOC + Naphthalene										
Gasoline Range Organics	< 10	mg/kg	2.3	7.3	1	GRO95/8021		5/13/2013	CJR	1
Benzene	< 25	ug/kg	7.9	25	1	GRO95/8021		5/13/2013	CJR	1
Ethylbenzene	< 25	ug/kg	7.7	25	1	GRO95/8021		5/13/2013	CJR	1
Methyl tert-butyl ether (MTBE)	< 25	ug/kg	8.1	26	1	GRO95/8021		5/13/2013	CJR	1
Naphthalene	< 25	ug/kg	22	70	1	GRO95/8021		5/13/2013	CJR	1
Toluene	< 25	ug/kg	8.4	27	1	GRO95/8021		5/13/2013	CJR	1
1,2,4-Trimethylbenzene	< 25	ug/kg	10	33	1	GRO95/8021		5/13/2013	CJR	1
1,3,5-Trimethylbenzene	< 25	ug/kg	9.3	30	1	GRO95/8021		5/13/2013	CJR	1
m&p-Xylene	< 50	ug/kg	16	50	1	GRO95/8021		5/13/2013	CJR	1
o-Xylene	< 25	ug/kg	10	32	1	GRO95/8021		5/13/2013	CJR	1

Lab Code 5025110R
 Sample ID G-5-4
 Sample Matrix Soil
 Sample Date 4/29/2013

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	81.9	%			1	5021		5/6/2013	MDK	1
Organic										
GRO/PVOC + Naphthalene										
Gasoline Range Organics	< 10	mg/kg	2.3	7.3	1	GRO95/8021		5/13/2013	CJR	1
Benzene	< 25	ug/kg	7.9	25	1	GRO95/8021		5/13/2013	CJR	1
Ethylbenzene	< 25	ug/kg	7.7	25	1	GRO95/8021		5/13/2013	CJR	1
Methyl tert-butyl ether (MTBE)	< 25	ug/kg	8.1	26	1	GRO95/8021		5/13/2013	CJR	1
Naphthalene	< 25	ug/kg	22	70	1	GRO95/8021		5/13/2013	CJR	1
Toluene	< 25	ug/kg	8.4	27	1	GRO95/8021		5/13/2013	CJR	1
1,2,4-Trimethylbenzene	< 25	ug/kg	10	33	1	GRO95/8021		5/13/2013	CJR	1
1,3,5-Trimethylbenzene	< 25	ug/kg	9.3	30	1	GRO95/8021		5/13/2013	CJR	1
m&p-Xylene	< 50	ug/kg	16	50	1	GRO95/8021		5/13/2013	CJR	1
o-Xylene	< 25	ug/kg	10	32	1	GRO95/8021		5/13/2013	CJR	1

Project Name Y GO BY TAVERN
Project #

Invoice # E25110

Lab Code 5025110S
Sample ID G-6-1
Sample Matrix Soil
Sample Date 4/29/2013

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	86.0	%			1	5021		5/6/2013	MDK	1
Inorganic										
Metals										
Lead, Total	4.84	mg/Kg	0.6	1.92	2	6010B		5/15/2013	CWT	1 49
Organic										
GRO/PVOC + Naphthalene										
Gasoline Range Organics	< 10	mg/kg	2.3	7.3	1	GRO95/8021		5/13/2013	CJR	1
Benzene	< 25	ug/kg	7.9	25	1	GRO95/8021		5/13/2013	CJR	1
Ethylbenzene	< 25	ug/kg	7.7	25	1	GRO95/8021		5/13/2013	CJR	1
Methyl tert-butyl ether (MTBE)	< 25	ug/kg	8.1	26	1	GRO95/8021		5/13/2013	CJR	1
Naphthalene	< 25	ug/kg	22	70	1	GRO95/8021		5/13/2013	CJR	1
Toluene	< 25	ug/kg	8.4	27	1	GRO95/8021		5/13/2013	CJR	1
1,2,4-Trimethylbenzene	< 25	ug/kg	10	33	1	GRO95/8021		5/13/2013	CJR	1
1,3,5-Trimethylbenzene	< 25	ug/kg	9.3	30	1	GRO95/8021		5/13/2013	CJR	1
m&p-Xylene	< 50	ug/kg	16	50	1	GRO95/8021		5/13/2013	CJR	1
o-Xylene	< 25	ug/kg	10	32	1	GRO95/8021		5/13/2013	CJR	1

Lab Code 5025110T
Sample ID G-6-2
Sample Matrix Soil
Sample Date 4/29/2013

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	91.7	%			1	5021		5/6/2013	MDK	1
Organic										
GRO/PVOC + Naphthalene										
Gasoline Range Organics	< 10	mg/kg	2.3	7.3	1	GRO95/8021		5/13/2013	CJR	1
Benzene	< 25	ug/kg	7.9	25	1	GRO95/8021		5/13/2013	CJR	1
Ethylbenzene	< 25	ug/kg	7.7	25	1	GRO95/8021		5/13/2013	CJR	1
Methyl tert-butyl ether (MTBE)	< 25	ug/kg	8.1	26	1	GRO95/8021		5/13/2013	CJR	1
Naphthalene	< 25	ug/kg	22	70	1	GRO95/8021		5/13/2013	CJR	1
Toluene	< 25	ug/kg	8.4	27	1	GRO95/8021		5/13/2013	CJR	1
1,2,4-Trimethylbenzene	< 25	ug/kg	10	33	1	GRO95/8021		5/13/2013	CJR	1
1,3,5-Trimethylbenzene	< 25	ug/kg	9.3	30	1	GRO95/8021		5/13/2013	CJR	1
m&p-Xylene	< 50	ug/kg	16	50	1	GRO95/8021		5/13/2013	CJR	1
o-Xylene	< 25	ug/kg	10	32	1	GRO95/8021		5/13/2013	CJR	1

Project #

Lab Code 5025110U
 Sample ID G-6-4
 Sample Matrix Soil
 Sample Date 4/29/2013

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	82.9	%			1	5021		5/6/2013	MDK	1
Organic										
GRO/PVOC + Naphthalene										
Gasoline Range Organics	< 10	mg/kg	2.3	7.3	1	GRO95/8021		5/13/2013	CJR	1
Benzene	< 25	ug/kg	7.9	25	1	GRO95/8021		5/13/2013	CJR	1
Ethylbenzene	< 25	ug/kg	7.7	25	1	GRO95/8021		5/13/2013	CJR	1
Methyl tert-butyl ether (MTBE)	< 25	ug/kg	8.1	26	1	GRO95/8021		5/13/2013	CJR	1
Naphthalene	< 25	ug/kg	22	70	1	GRO95/8021		5/13/2013	CJR	1
Toluene	< 25	ug/kg	8.4	27	1	GRO95/8021		5/13/2013	CJR	1
1,2,4-Trimethylbenzene	< 25	ug/kg	10	33	1	GRO95/8021		5/13/2013	CJR	1
1,3,5-Trimethylbenzene	< 25	ug/kg	9.3	30	1	GRO95/8021		5/13/2013	CJR	1
m&p-Xylene	< 50	ug/kg	16	50	1	GRO95/8021		5/13/2013	CJR	1
o-Xylene	< 25	ug/kg	10	32	1	GRO95/8021		5/13/2013	CJR	1

Lab Code 5025110V
 Sample ID G-7-1
 Sample Matrix Soil
 Sample Date 4/29/2013

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	83.9	%			1	5021		5/6/2013	MDK	1
Inorganic										
Metals										
Lead, Total	14.4	mg/Kg	0.6	1.92	2	6010B		5/15/2013	CWT	149
Organic										
GRO/PVOC + Naphthalene										
Gasoline Range Organics	5700	mg/kg	115	365	50	GRO95/8021		5/15/2013	MJR	1
Benzene	1460	ug/kg	395	1250	50	GRO95/8021		5/15/2013	MJR	1
Ethylbenzene	2620	ug/kg	385	1250	50	GRO95/8021		5/15/2013	MJR	1
Methyl tert-butyl ether (MTBE)	< 1250	ug/kg	405	1300	50	GRO95/8021		5/15/2013	MJR	1
Naphthalene	153000	ug/kg	1100	3500	50	GRO95/8021		5/15/2013	MJR	1
Toluene	3500	ug/kg	420	1350	50	GRO95/8021		5/15/2013	MJR	1
1,2,4-Trimethylbenzene	690000	ug/kg	500	1650	50	GRO95/8021		5/15/2013	MJR	1
1,3,5-Trimethylbenzene	249000	ug/kg	465	1500	50	GRO95/8021		5/15/2013	MJR	1
m&p-Xylene	560000	ug/kg	800	2500	50	GRO95/8021		5/15/2013	MJR	1
o-Xylene	241000	ug/kg	500	1600	50	GRO95/8021		5/15/2013	MJR	1

Project #

Lab Code 5025110W
 Sample ID G-7-2
 Sample Matrix Soil
 Sample Date 4/29/2013

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	89.0	%			1	5021		5/6/2013	MDK	1
Organic										
GRO/PVOC + Naphthalene										
Gasoline Range Organics	40	mg/kg	2.3	7.3	1	GRO95/8021		5/13/2013	CJR	1
Benzene	<25	ug/kg	7.9	25	1	GRO95/8021		5/13/2013	CJR	1
Ethylbenzene	<25	ug/kg	7.7	25	1	GRO95/8021		5/13/2013	CJR	1
Methyl tert-butyl ether (MTBE)	<25	ug/kg	8.1	26	1	GRO95/8021		5/13/2013	CJR	1
Naphthalene	2200	ug/kg	22	70	1	GRO95/8021		5/13/2013	CJR	1
Toluene	39	ug/kg	8.4	27	1	GRO95/8021		5/13/2013	CJR	1
1,2,4-Trimethylbenzene	4200	ug/kg	10	33	1	GRO95/8021		5/13/2013	CJR	1
1,3,5-Trimethylbenzene	1880	ug/kg	9.3	30	1	GRO95/8021		5/13/2013	CJR	1
m&p-Xylene	2540	ug/kg	16	50	1	GRO95/8021		5/13/2013	CJR	1
o-Xylene	1860	ug/kg	10	32	1	GRO95/8021		5/13/2013	CJR	1

Lab Code 5025110X
 Sample ID G-7-3
 Sample Matrix Soil
 Sample Date 4/29/2013

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	85.0	%			1	5021		5/6/2013	MDK	1
Organic										
GRO/PVOC + Naphthalene										
Gasoline Range Organics	380	mg/kg	23	73	10	GRO95/8021		5/15/2013	MJR	1
Benzene	<250	ug/kg	79	250	10	GRO95/8021		5/15/2013	MJR	1
Ethylbenzene	550	ug/kg	77	250	10	GRO95/8021		5/15/2013	MJR	1
Methyl tert-butyl ether (MTBE)	<250	ug/kg	81	260	10	GRO95/8021		5/15/2013	MJR	1
Naphthalene	6000	ug/kg	220	700	10	GRO95/8021		5/15/2013	MJR	1
Toluene	<250	ug/kg	84	270	10	GRO95/8021		5/15/2013	MJR	1
1,2,4-Trimethylbenzene	9500	ug/kg	100	330	10	GRO95/8021		5/15/2013	MJR	1
1,3,5-Trimethylbenzene	21200	ug/kg	93	300	10	GRO95/8021		5/15/2013	MJR	1
m&p-Xylene	1970	ug/kg	160	500	10	GRO95/8021		5/15/2013	MJR	1
o-Xylene	7500	ug/kg	100	320	10	GRO95/8021		5/15/2013	MJR	1

Project #

Lab Code 5025110Y
 Sample ID G-7-4
 Sample Matrix Soil
 Sample Date 4/29/2013

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	82.6	%			1	5021		5/6/2013	MDK	1
Organic										
GRO/PVOC + Naphthalene										
Gasoline Range Organics	2500	mg/kg	23	73	10	GRO95/8021		5/14/2013	CJR	1
Benzene	870	ug/kg	79	250	10	GRO95/8021		5/14/2013	CJR	1
Ethylbenzene	109000	ug/kg	77	250	10	GRO95/8021		5/14/2013	CJR	1
Methyl tert-butyl ether (MTBE)	< 250	ug/kg	81	260	10	GRO95/8021		5/14/2013	CJR	1
Naphthalene	38000	ug/kg	220	700	10	GRO95/8021		5/14/2013	CJR	1
Toluene	200000	ug/kg	84	270	10	GRO95/8021		5/14/2013	CJR	1
1,2,4-Trimethylbenzene	177000	ug/kg	100	330	10	GRO95/8021		5/14/2013	CJR	1
1,3,5-Trimethylbenzene	70000	ug/kg	93	300	10	GRO95/8021		5/14/2013	CJR	1
m&p-Xylene	390000	ug/kg	160	500	10	GRO95/8021		5/14/2013	CJR	1
o-Xylene	132000	ug/kg	100	320	10	GRO95/8021		5/14/2013	CJR	1

Lab Code 5025110Z
 Sample ID G-8-1
 Sample Matrix Soil
 Sample Date 4/29/2013

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	84.9	%			1	5021		5/6/2013	MDK	1
Inorganic										
Metals										
Lead, Total	3.70	mg/Kg	0.6	1.92	2	6010B		5/15/2013	CWT	1 49
Organic										
GRO/PVOC + Naphthalene										
Gasoline Range Organics	< 10	mg/kg	2.3	7.3	1	GRO95/8021		5/14/2013	MJR	1
Benzene	< 25	ug/kg	7.9	25	1	GRO95/8021		5/14/2013	MJR	1
Ethylbenzene	< 25	ug/kg	7.7	25	1	GRO95/8021		5/14/2013	MJR	1
Methyl tert-butyl ether (MTBE)	< 25	ug/kg	8.1	26	1	GRO95/8021		5/14/2013	MJR	1
Naphthalene	< 25	ug/kg	22	70	1	GRO95/8021		5/14/2013	MJR	1
Toluene	< 25	ug/kg	8.4	27	1	GRO95/8021		5/14/2013	MJR	1
1,2,4-Trimethylbenzene	< 25	ug/kg	10	33	1	GRO95/8021		5/14/2013	MJR	1
1,3,5-Trimethylbenzene	< 25	ug/kg	9.3	30	1	GRO95/8021		5/14/2013	MJR	1
m&p-Xylene	< 50	ug/kg	16	50	1	GRO95/8021		5/14/2013	MJR	1
o-Xylene	< 25	ug/kg	10	32	1	GRO95/8021		5/14/2013	MJR	1

Project #

Lab Code 525110AA
 Sample ID G-8-2
 Sample Matrix Soil
 Sample Date 4/29/2013

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	88.7	%			1	5021		5/6/2013	MDK	1
Organic										
GRO/PVOC + Naphthalene										
Gasoline Range Organics	< 10	mg/kg	2.3	7.3	1	GRO95/8021		5/8/2013	CJR	1
Benzene	< 25	ug/kg	7.9	25	1	GRO95/8021		5/8/2013	CJR	1
Ethylbenzene	< 25	ug/kg	7.7	25	1	GRO95/8021		5/8/2013	CJR	1
Methyl tert-butyl ether (MTBE)	< 25	ug/kg	8.1	26	1	GRO95/8021		5/8/2013	CJR	1
Naphthalene	< 25	ug/kg	22	70	1	GRO95/8021		5/8/2013	CJR	1
Toluene	< 25	ug/kg	8.4	27	1	GRO95/8021		5/8/2013	CJR	1
1,2,4-Trimethylbenzene	< 25	ug/kg	10	33	1	GRO95/8021		5/8/2013	CJR	1
1,3,5-Trimethylbenzene	< 25	ug/kg	9.3	30	1	GRO95/8021		5/8/2013	CJR	1
m&p-Xylene	< 50	ug/kg	16	50	1	GRO95/8021		5/8/2013	CJR	1
o-Xylene	< 25	ug/kg	10	32	1	GRO95/8021		5/8/2013	CJR	1

Lab Code 525110BB
 Sample ID G-8-4
 Sample Matrix Soil
 Sample Date 4/29/2013

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	83.8	%			1	5021		5/6/2013	MDK	1
Organic										
GRO/PVOC + Naphthalene										
Gasoline Range Organics	< 10	mg/kg	2.3	7.3	1	GRO95/8021		5/8/2013	CJR	1
Benzene	< 25	ug/kg	7.9	25	1	GRO95/8021		5/8/2013	CJR	1
Ethylbenzene	< 25	ug/kg	7.7	25	1	GRO95/8021		5/8/2013	CJR	1
Methyl tert-butyl ether (MTBE)	< 25	ug/kg	8.1	26	1	GRO95/8021		5/8/2013	CJR	1
Naphthalene	< 25	ug/kg	22	70	1	GRO95/8021		5/8/2013	CJR	1
Toluene	< 25	ug/kg	8.4	27	1	GRO95/8021		5/8/2013	CJR	1
1,2,4-Trimethylbenzene	< 25	ug/kg	10	33	1	GRO95/8021		5/8/2013	CJR	1
1,3,5-Trimethylbenzene	< 25	ug/kg	9.3	30	1	GRO95/8021		5/8/2013	CJR	1
m&p-Xylene	< 50	ug/kg	16	50	1	GRO95/8021		5/8/2013	CJR	1
o-Xylene	< 25	ug/kg	10	32	1	GRO95/8021		5/8/2013	CJR	1

Project

Lab Code 525110CC

Sample ID G-9-1

Sample Matrix Soil

Sample Date 4/29/2013

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	85.4	%			1	5021		5/6/2013	MDK	1
Inorganic										
Metals										
Lead, Total	4.61	mg/Kg	0.6	1.92	2	6010B		5/15/2013	CWT	1 49
Organic										
GRO/PVOC + Naphthalene										
Gasoline Range Organics	< 10	mg/kg	2.3	7.3	1	GRO95/8021		5/8/2013	CJR	1
Benzene	< 25	ug/kg	7.9	25	1	GRO95/8021		5/8/2013	CJR	1
Ethylbenzene	< 25	ug/kg	7.7	25	1	GRO95/8021		5/8/2013	CJR	1
Methyl tert-butyl ether (MTBE)	< 25	ug/kg	8.1	26	1	GRO95/8021		5/8/2013	CJR	1
Naphthalene	< 25	ug/kg	22	70	1	GRO95/8021		5/8/2013	CJR	1
Toluene	< 25	ug/kg	8.4	27	1	GRO95/8021		5/8/2013	CJR	1
1,2,4-Trimethylbenzene	< 25	ug/kg	10	33	1	GRO95/8021		5/8/2013	CJR	1
1,3,5-Trimethylbenzene	< 25	ug/kg	9.3	30	1	GRO95/8021		5/8/2013	CJR	1
m&p-Xylene	< 50	ug/kg	16	50	1	GRO95/8021		5/8/2013	CJR	1
o-Xylene	< 25	ug/kg	10	32	1	GRO95/8021		5/8/2013	CJR	1

Lab Code 525110DD

Sample ID G-9-2

Sample Matrix Soil

Sample Date 4/29/2013

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	89.5	%			1	5021		5/6/2013	MDK	1
Organic										
GRO/PVOC + Naphthalene										
Gasoline Range Organics	< 10	mg/kg	2.3	7.3	1	GRO95/8021		5/8/2013	CJR	1
Benzene	< 25	ug/kg	7.9	25	1	GRO95/8021		5/8/2013	CJR	1
Ethylbenzene	< 25	ug/kg	7.7	25	1	GRO95/8021		5/8/2013	CJR	1
Methyl tert-butyl ether (MTBE)	< 25	ug/kg	8.1	26	1	GRO95/8021		5/8/2013	CJR	1
Naphthalene	< 25	ug/kg	22	70	1	GRO95/8021		5/8/2013	CJR	1
Toluene	< 25	ug/kg	8.4	27	1	GRO95/8021		5/8/2013	CJR	1
1,2,4-Trimethylbenzene	< 25	ug/kg	10	33	1	GRO95/8021		5/8/2013	CJR	1
1,3,5-Trimethylbenzene	< 25	ug/kg	9.3	30	1	GRO95/8021		5/8/2013	CJR	1
m&p-Xylene	< 50	ug/kg	16	50	1	GRO95/8021		5/8/2013	CJR	1
o-Xylene	< 25	ug/kg	10	32	1	GRO95/8021		5/8/2013	CJR	1

Project #

Lab Code 525110EE
 Sample ID G-9-3
 Sample Matrix Soil
 Sample Date 4/29/2013

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	86.7	%			1	5021		5/6/2013	MDK	1
Organic										
GRO/PVOC + Naphthalene										
Gasoline Range Organics	< 10	mg/kg	2.3	7.3	1	GRO95/8021		5/8/2013	CJR	1
Benzene	< 25	ug/kg	7.9	25	1	GRO95/8021		5/8/2013	CJR	1
Ethylbenzene	< 25	ug/kg	7.7	25	1	GRO95/8021		5/8/2013	CJR	1
Methyl tert-butyl ether (MTBE)	< 25	ug/kg	8.1	26	1	GRO95/8021		5/8/2013	CJR	1
Naphthalene	< 25	ug/kg	22	70	1	GRO95/8021		5/8/2013	CJR	1
Toluene	< 25	ug/kg	8.4	27	1	GRO95/8021		5/8/2013	CJR	1
1,2,4-Trimethylbenzene	< 25	ug/kg	10	33	1	GRO95/8021		5/8/2013	CJR	1
1,3,5-Trimethylbenzene	< 25	ug/kg	9.3	30	1	GRO95/8021		5/8/2013	CJR	1
m&p-Xylene	< 50	ug/kg	16	50	1	GRO95/8021		5/8/2013	CJR	1
o-Xylene	< 25	ug/kg	10	32	1	GRO95/8021		5/8/2013	CJR	1

Lab Code 525110FF
 Sample ID G-9-4
 Sample Matrix Soil
 Sample Date 4/29/2013

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	86.7	%			1	5021		5/6/2013	MDK	1
Organic										
GRO/PVOC + Naphthalene										
Gasoline Range Organics	380	mg/kg	23	73	10	GRO95/8021		5/8/2013	CJR	1
Benzene	460	ug/kg	79	250	10	GRO95/8021		5/8/2013	CJR	1
Ethylbenzene	890	ug/kg	77	250	10	GRO95/8021		5/8/2013	CJR	1
Methyl tert-butyl ether (MTBE)	< 250	ug/kg	81	260	10	GRO95/8021		5/8/2013	CJR	1
Naphthalene	1480	ug/kg	220	700	10	GRO95/8021		5/8/2013	CJR	1
Toluene	840	ug/kg	84	270	10	GRO95/8021		5/8/2013	CJR	1
1,2,4-Trimethylbenzene	22000	ug/kg	100	330	10	GRO95/8021		5/8/2013	CJR	1
1,3,5-Trimethylbenzene	11900	ug/kg	93	300	10	GRO95/8021		5/8/2013	CJR	1
m&p-Xylene	4100	ug/kg	160	500	10	GRO95/8021		5/8/2013	CJR	1
o-Xylene	1540	ug/kg	100	320	10	GRO95/8021		5/8/2013	CJR	1

Lab Code 525110GG
 Sample ID TB
 Sample Matrix Water
 Sample Date 4/29/2013

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	< 0.24	ug/l	0.24	0.77	1	8260B		5/9/2013	CJR	1
Ethylbenzene	< 0.55	ug/l	0.55	1.7	1	8260B		5/9/2013	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.23	ug/l	0.23	0.74	1	8260B		5/9/2013	CJR	1
Naphthalene	< 1.7	ug/l	1.7	5.5	1	8260B		5/9/2013	CJR	1
Toluene	< 0.69	ug/l	0.69	2.2	1	8260B		5/9/2013	CJR	1
1,2,4-Trimethylbenzene	< 2.2	ug/l	2.2	6.9	1	8260B		5/9/2013	CJR	1
1,3,5-Trimethylbenzene	< 1.4	ug/l	1.4	4.5	1	8260B		5/9/2013	CJR	1
m&p-Xylene	< 0.69	ug/l	0.69	2.2	1	8260B		5/9/2013	CJR	1
o-Xylene	< 0.63	ug/l	0.63	2	1	8260B		5/9/2013	CJR	1

Project

Lab Code 525110HH
 Sample ID POTABLE WELL
 Sample Matrix Drinking Water
 Sample Date 4/29/2013

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
VOC's										
Benzene	<0.24	ug/l	0.24	0.77	1	524.2		5/6/2013	CJR	1
Bromobenzene	<0.33	ug/l	0.33	1	1	524.2		5/6/2013	CJR	1
Bromodichloromethane	<0.27	ug/l	0.27	0.85	1	524.2		5/6/2013	CJR	1
Bromoform	<0.34	ug/l	0.34	1.1	1	524.2		5/6/2013	CJR	1
Bromomethane	<0.98	ug/l	0.98	3.1	1	524.2		5/6/2013	CJR	1
Carbon Tetrachloride	<0.25	ug/l	0.25	0.81	1	524.2		5/6/2013	CJR	1
Chlorobenzene	<0.24	ug/l	0.24	0.77	1	524.2		5/6/2013	CJR	1
Chloroethane	<0.62	ug/l	0.62	2	1	524.2		5/6/2013	CJR	1
Chloroform	<0.28	ug/l	0.28	0.88	1	524.2		5/6/2013	CJR	1
Chloromethane	<0.81	ug/l	0.81	2.6	1	524.2		5/6/2013	CJR	1
2-Chlorotoluene	<0.35	ug/l	0.35	1.1	1	524.2		5/6/2013	CJR	1
4-Chlorotoluene	<0.29	ug/l	0.29	0.91	1	524.2		5/6/2013	CJR	1
Dibromochloromethane	<0.2	ug/l	0.2	0.64	1	524.2		5/6/2013	CJR	1
Dibromomethane	<0.41	ug/l	0.41	1.3	1	524.2		5/6/2013	CJR	1
1,4-Dichlorobenzene	<0.25	ug/l	0.25	0.8	1	524.2		5/6/2013	CJR	1
1,3-Dichlorobenzene	<0.3	ug/l	0.3	0.96	1	524.2		5/6/2013	CJR	1
1,2-Dichlorobenzene	<0.28	ug/l	0.28	0.88	1	524.2		5/6/2013	CJR	1
Dichlorodifluoromethane	<0.27	ug/l	0.27	0.85	1	524.2		5/6/2013	CJR	1
1,2-Dichloroethane	<0.41	ug/l	0.41	1.3	1	524.2		5/6/2013	CJR	1
1,1-Dichloroethane	<0.3	ug/l	0.3	0.97	1	524.2		5/6/2013	CJR	1
1,1-Dichloroethene	<0.31	ug/l	0.31	0.99	1	524.2		5/6/2013	CJR	1
cis-1,2-Dichloroethene	<0.32	ug/l	0.32	1	1	524.2		5/6/2013	CJR	1
trans-1,2-Dichloroethene	<0.25	ug/l	0.25	0.8	1	524.2		5/6/2013	CJR	1
1,2-Dichloropropane	<0.32	ug/l	0.32	1	1	524.2		5/6/2013	CJR	1
2,2-Dichloropropane	<0.45	ug/l	0.45	1.4	1	524.2		5/6/2013	CJR	1
1,3-Dichloropropane	<0.26	ug/l	0.26	0.82	1	524.2		5/6/2013	CJR	1
trans-1,3-Dichloropropene	<0.22	ug/l	0.22	0.69	1	524.2		5/6/2013	CJR	1
cis-1,3-Dichloropropene	<0.2	ug/l	0.2	0.63	1	524.2		5/6/2013	CJR	1
1,1-Dichloropropene	<0.34	ug/l	0.34	1.1	1	524.2		5/6/2013	CJR	1
Ethylbenzene	<0.27	ug/l	0.27	0.86	1	524.2		5/6/2013	CJR	1
Hexachlorobutadiene	<0.48	ug/l	0.48	1.5	1	524.2		5/6/2013	CJR	1
Isopropylbenzene	<0.3	ug/l	0.3	0.96	1	524.2		5/6/2013	CJR	1
p-Isopropyltoluene	<0.3	ug/l	0.3	0.94	1	524.2		5/6/2013	CJR	1
Methylene chloride	<0.35	ug/l	0.35	1.1	1	524.2		5/6/2013	CJR	1
Methyl tert-butyl ether (MTBE)	<0.26	ug/l	0.26	0.82	1	524.2		5/6/2013	CJR	1
Naphthalene	<0.49	ug/l	0.49	1.6	1	524.2		5/6/2013	CJR	1
Styrene	<0.23	ug/l	0.23	0.72	1	524.2		5/6/2013	CJR	1
1,1,2,2-Tetrachloroethane	<0.45	ug/l	0.45	1.4	1	524.2		5/6/2013	CJR	1
1,1,1,2-Tetrachloroethane	<0.29	ug/l	0.29	0.91	1	524.2		5/6/2013	CJR	1
Tetrachloroethene	<0.27	ug/l	0.27	0.85	1	524.2		5/6/2013	CJR	1
Toluene	<0.24	ug/l	0.24	0.75	1	524.2		5/6/2013	CJR	1
1,2,4-Trichlorobenzene	<0.24	ug/l	0.24	0.76	1	524.2		5/6/2013	CJR	1
1,1,1-Trichloroethane	<0.33	ug/l	0.33	1	1	524.2		5/6/2013	CJR	1
1,1,2-Trichloroethane	<0.34	ug/l	0.34	1.1	1	524.2		5/6/2013	CJR	1
Trichloroethene (TCE)	<0.3	ug/l	0.3	0.96	1	524.2		5/6/2013	CJR	1
Trichlorofluoromethane	<0.26	ug/l	0.26	0.84	1	524.2		5/6/2013	CJR	1
1,2,3-Trichloropropane	<0.91	ug/l	0.91	2.9	1	524.2		5/6/2013	CJR	1
Trichlorotrifluoroethane	<0.41	ug/l	0.41	1.3	1	524.2		5/6/2013	CJR	1
1,2,4-Trimethylbenzene	<0.31	ug/l	0.31	0.98	1	524.2		5/6/2013	CJR	1
1,3,5-Trimethylbenzene	<0.26	ug/l	0.26	0.83	1	524.2		5/6/2013	CJR	1
Vinyl Chloride	<0.18	ug/l	0.18	0.57	1	524.2		5/6/2013	CJR	1
m&p-Xylene	<0.69	ug/l	0.69	2.2	1	524.2		5/6/2013	CJR	1
o-Xylene	<0.25	ug/l	0.25	0.79	1	524.2		5/6/2013	CJR	1

Project #

Lab Code 525110II
 Sample ID G-1-W
 Sample Matrix Water
 Sample Date 4/29/2013

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	0.28 "J"	ug/l	0.24	0.77	1	8260B		5/9/2013	CJR	1
Ethylbenzene	< 0.55	ug/l	0.55	1.7	1	8260B		5/9/2013	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.23	ug/l	0.23	0.74	1	8260B		5/9/2013	CJR	1
Naphthalene	< 1.7	ug/l	1.7	5.5	1	8260B		5/9/2013	CJR	1
Toluene	< 0.69	ug/l	0.69	2.2	1	8260B		5/9/2013	CJR	1
1,2,4-Trimethylbenzene	13.7	ug/l	2.2	6.9	1	8260B		5/9/2013	CJR	1
1,3,5-Trimethylbenzene	10.2	ug/l	1.4	4.5	1	8260B		5/9/2013	CJR	1
m&p-Xylene	< 0.69	ug/l	0.69	2.2	1	8260B		5/9/2013	CJR	1
o-Xylene	< 0.63	ug/l	0.63	2	1	8260B		5/9/2013	CJR	1

Lab Code 525110JJ
 Sample ID G-2-W
 Sample Matrix Water
 Sample Date 4/29/2013

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	< 27	ug/l	27	85	100	GRO95/8021		5/13/2013	CJR	1
Ethylbenzene	2470	ug/l	82	260	100	GRO95/8021		5/13/2013	CJR	1
Methyl tert-butyl ether (MTBE)	< 37	ug/l	37	120	100	GRO95/8021		5/13/2013	CJR	1
Naphthalene	420	ug/l	120	380	100	GRO95/8021		5/13/2013	CJR	1
Toluene	8700	ug/l	80	260	100	GRO95/8021		5/13/2013	CJR	1
1,2,4-Trimethylbenzene	2170	ug/l	83	260	100	GRO95/8021		5/13/2013	CJR	1
1,3,5-Trimethylbenzene	860	ug/l	86	270	100	GRO95/8021		5/13/2013	CJR	1
m&p-Xylene	10600	ug/l	160	520	100	GRO95/8021		5/13/2013	CJR	1
o-Xylene	4900	ug/l	81	260	100	GRO95/8021		5/13/2013	CJR	1

Lab Code 525110KK
 Sample ID G-3-W
 Sample Matrix Water
 Sample Date 4/29/2013

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	< 0.24	ug/l	0.24	0.77	1	8260B		5/9/2013	CJR	1
Ethylbenzene	< 0.55	ug/l	0.55	1.7	1	8260B		5/9/2013	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.23	ug/l	0.23	0.74	1	8260B		5/9/2013	CJR	1
Naphthalene	< 1.7	ug/l	1.7	5.5	1	8260B		5/9/2013	CJR	1
Toluene	< 0.69	ug/l	0.69	2.2	1	8260B		5/9/2013	CJR	1
1,2,4-Trimethylbenzene	< 2.2	ug/l	2.2	6.9	1	8260B		5/9/2013	CJR	1
1,3,5-Trimethylbenzene	< 1.4	ug/l	1.4	4.5	1	8260B		5/9/2013	CJR	1
m&p-Xylene	< 0.69	ug/l	0.69	2.2	1	8260B		5/9/2013	CJR	1
o-Xylene	< 0.63	ug/l	0.63	2	1	8260B		5/9/2013	CJR	1

Project

Lab Code 525110LL
 Sample ID G-4-W
 Sample Matrix Water
 Sample Date 4/29/2013

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	<0.24	ug/l	0.24	0.77	1	8260B		5/9/2013	CJR	1
Ethylbenzene	<0.55	ug/l	0.55	1.7	1	8260B		5/9/2013	CJR	1
Methyl tert-butyl ether (MTBE)	<0.23	ug/l	0.23	0.74	1	8260B		5/9/2013	CJR	1
Naphthalene	<1.7	ug/l	1.7	5.5	1	8260B		5/9/2013	CJR	1
Toluene	<0.69	ug/l	0.69	2.2	1	8260B		5/9/2013	CJR	1
1,2,4-Trimethylbenzene	<2.2	ug/l	2.2	6.9	1	8260B		5/9/2013	CJR	1
1,3,5-Trimethylbenzene	<1.4	ug/l	1.4	4.5	1	8260B		5/9/2013	CJR	1
m&p-Xylene	<0.69	ug/l	0.69	2.2	1	8260B		5/9/2013	CJR	1
o-Xylene	<0.63	ug/l	0.63	2	1	8260B		5/9/2013	CJR	1

Lab Code 525110MM
 Sample ID G-5-W
 Sample Matrix Water
 Sample Date 4/29/2013

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	<0.24	ug/l	0.24	0.77	1	8260B		5/9/2013	CJR	1
Ethylbenzene	<0.55	ug/l	0.55	1.7	1	8260B		5/9/2013	CJR	1
Methyl tert-butyl ether (MTBE)	<0.23	ug/l	0.23	0.74	1	8260B		5/9/2013	CJR	1
Naphthalene	<1.7	ug/l	1.7	5.5	1	8260B		5/9/2013	CJR	1
Toluene	<0.69	ug/l	0.69	2.2	1	8260B		5/9/2013	CJR	1
1,2,4-Trimethylbenzene	<2.2	ug/l	2.2	6.9	1	8260B		5/9/2013	CJR	1
1,3,5-Trimethylbenzene	<1.4	ug/l	1.4	4.5	1	8260B		5/9/2013	CJR	1
m&p-Xylene	<0.69	ug/l	0.69	2.2	1	8260B		5/9/2013	CJR	1
o-Xylene	<0.63	ug/l	0.63	2	1	8260B		5/9/2013	CJR	1

Lab Code 525110NN
 Sample ID G-6-W
 Sample Matrix Water
 Sample Date 4/29/2013

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	<0.24	ug/l	0.24	0.77	1	8260B		5/9/2013	CJR	1
Ethylbenzene	<0.55	ug/l	0.55	1.7	1	8260B		5/9/2013	CJR	1
Methyl tert-butyl ether (MTBE)	<0.23	ug/l	0.23	0.74	1	8260B		5/9/2013	CJR	1
Naphthalene	<1.7	ug/l	1.7	5.5	1	8260B		5/9/2013	CJR	1
Toluene	<0.69	ug/l	0.69	2.2	1	8260B		5/9/2013	CJR	1
1,2,4-Trimethylbenzene	<2.2	ug/l	2.2	6.9	1	8260B		5/9/2013	CJR	1
1,3,5-Trimethylbenzene	<1.4	ug/l	1.4	4.5	1	8260B		5/9/2013	CJR	1
m&p-Xylene	<0.69	ug/l	0.69	2.2	1	8260B		5/9/2013	CJR	1
o-Xylene	<0.63	ug/l	0.63	2	1	8260B		5/9/2013	CJR	1

Project

Lab Code 5251100O
 Sample ID G-7-W
 Sample Matrix Water
 Sample Date 4/29/2013

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	< 27	ug/l	27	85	100	GRO95/8021		5/13/2013	CJR	1
Ethylbenzene	1410	ug/l	82	260	100	GRO95/8021		5/13/2013	CJR	1
Methyl tert-butyl ether (MTBE)	< 37	ug/l	37	120	100	GRO95/8021		5/13/2013	CJR	1
Naphthalene	304 "J"	ug/l	120	380	100	GRO95/8021		5/13/2013	CJR	1
Toluene	4600	ug/l	80	260	100	GRO95/8021		5/13/2013	CJR	1
1,2,4-Trimethylbenzene	1970	ug/l	83	260	100	GRO95/8021		5/13/2013	CJR	1
1,3,5-Trimethylbenzene	820	ug/l	86	270	100	GRO95/8021		5/13/2013	CJR	1
m&p-Xylene	8300	ug/l	160	520	100	GRO95/8021		5/13/2013	CJR	1
o-Xylene	4300	ug/l	81	260	100	GRO95/8021		5/13/2013	CJR	1

Lab Code 525110PP
 Sample ID G-8-W
 Sample Matrix Water
 Sample Date 4/29/2013

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	< 0.27	ug/l	0.27	0.85	1	GRO95/8021		5/12/2013	CJR	1
Ethylbenzene	< 0.82	ug/l	0.82	2.6	1	GRO95/8021		5/12/2013	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.37	ug/l	0.37	1.2	1	GRO95/8021		5/12/2013	CJR	1
Naphthalene	< 1.2	ug/l	1.2	3.8	1	GRO95/8021		5/12/2013	CJR	1
Toluene	0.9 "J"	ug/l	0.8	2.6	1	GRO95/8021		5/12/2013	CJR	1
1,2,4-Trimethylbenzene	2.28 "J"	ug/l	0.83	2.6	1	GRO95/8021		5/12/2013	CJR	1
1,3,5-Trimethylbenzene	3.2	ug/l	0.86	2.7	1	GRO95/8021		5/12/2013	CJR	1
m&p-Xylene	18	ug/l	1.6	5.2	1	GRO95/8021		5/12/2013	CJR	1
o-Xylene	13.3	ug/l	0.81	2.6	1	GRO95/8021		5/12/2013	CJR	1

Lab Code 525110QQ
 Sample ID G-9-W
 Sample Matrix Water
 Sample Date 4/29/2013

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	< 1.35	ug/l	1.35	4.25	5	GRO95/8021		5/13/2013	CJR	1
Ethylbenzene	21.4	ug/l	4.1	13	5	GRO95/8021		5/13/2013	CJR	1
Methyl tert-butyl ether (MTBE)	< 1.85	ug/l	1.85	6	5	GRO95/8021		5/13/2013	CJR	1
Naphthalene	15.7 "J"	ug/l	6	19	5	GRO95/8021		5/13/2013	CJR	1
Toluene	< 4	ug/l	4	13	5	GRO95/8021		5/13/2013	CJR	1
1,2,4-Trimethylbenzene	190	ug/l	4.15	13	5	GRO95/8021		5/13/2013	CJR	1
1,3,5-Trimethylbenzene	110	ug/l	4.3	13.5	5	GRO95/8021		5/13/2013	CJR	1
m&p-Xylene	86	ug/l	8	26	5	GRO95/8021		5/13/2013	CJR	1
o-Xylene	32	ug/l	4.05	13	5	GRO95/8021		5/13/2013	CJR	1

Project Name Y GO BY TAVERN
Project #

Invoice # E25110

"J" Flag: Analyte detected between LOD and LOQ

LOD Limit of Detection

LOQ Limit of Quantitation

Code *Comment*

1 Laboratory QC within limits.
49 Sample diluted to compensate for matrix interference.
 CWT denotes sub contract lab - Certification #445126660

All solid sample results reported on a dry weight basis unless otherwise indicated. All LOD's and LOQ's are adjusted for dilutions but not dry weight. Subcontracted results are denoted by SUB in the analyst field.

Authorized Signature *Michael Ricker*

CHAIN OF CUSTODY RECORD

Synergy

Chain # No 963

Page 1 of 5

Environmental Lab, Inc.

1990 Prospect Ct. • Appleton, WI 54914
920-830-2455 • FAX 920-733-0631

Sample Handling Request
 Rush Analysis Date Required _____
 (Rushes accepted only with prior authorization)
 Normal Turn Around

Lab I.D. # _____
 Account No. : _____ Quote No. : _____
 Project #: _____
 Sampler: (signature) *E. Vae*

Project (Name / Location): *Y Go By Tavern*

Reports To:		Invoice To:		Analysis Requested										Other Analysis	
<i>Arland Dillenburg</i>		<i>Arland Dillenburg c/o Jason</i>													
Company <i>METCO</i>		Company <i>METCO</i>													
Address <i>N 4821 Hwy 225</i>		Address <i>709 Gillette St, Ste 3</i>													
City State Zip <i>Shawano, WI 54166</i>		City State Zip <i>La Crosse, WI 54603</i>													
Phone <i>(715) 853-9747</i>		Phone <i>(608) 781-9879</i>													
FAX _____		FAX <i>8993</i>													

Lab I.D.	Sample I.D.	Collection Date	Time	Comp	Grab	Filtered Y/N	No. of Containers	Sample Type (Matrix)	Preservation	DRO (Mod DRO Sep 95)	GRO (Mod GRO Sep 95)	IRON	LEAD	NITRATE / NITRITE	PAH (EPA 8270)	PVOC (EPA 8021)	PVOC + NAPHTHALENE	SULFATE	VOC DW (EPA 524.2)	VOC (EPA 8260)	8-PCB/METALS	PID/ FID
<i>5025110A</i>	<i>Meth Blank</i>	<i>4/24/10</i>	<i>10:05</i>		<i>X</i>		<i>1</i>	<i>S</i>	<i>MEOH</i>	<i>X</i>												
<i>B</i>	<i>G-1-1</i>		<i>10:10</i>				<i>3</i>		<i>/None</i>	<i>X</i>	<i>X</i>											
<i>C</i>	<i>G-1-2</i>		<i>10:15</i>				<i>2</i>			<i>X</i>												
<i>D</i>	<i>G-1-3</i>		<i>10:20</i>				<i>2</i>			<i>X</i>												
<i>E</i>	<i>G-1-4</i>		<i>10:25</i>				<i>2</i>			<i>X</i>												
<i>F</i>	<i>G-2-1</i>		<i>10:30</i>				<i>3</i>		<i>/None</i>	<i>X</i>	<i>X</i>											
<i>G</i>	<i>G-2-2</i>		<i>10:35</i>				<i>2</i>			<i>X</i>												
<i>H</i>	<i>G-2-3</i>		<i>10:40</i>				<i>2</i>			<i>X</i>												
<i>I</i>	<i>G-2-4</i>		<i>10:45</i>				<i>3</i>		<i>/None</i>	<i>X</i>	<i>X</i>								<i>X</i>			
<i>J</i>	<i>G-3-1</i>		<i>11:05</i>				<i>3</i>		<i>/None</i>	<i>X</i>	<i>X</i>											

Comments/Special Instructions (* Specify groundwater "GW", Drinking Water "DW", Waste Water "WW", Soil "S", Air "A", Oil, Sludge etc.)

Lab to send copy of report to METCO
U & C Rates Agent Status

Sample Integrity - To be completed by receiving lab Method of Shipment: <i>Delivery</i> Temp. of Temp. Blank: _____ °C On Ice Cooler seal intact upon receipt: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Relinquished By: (sign) <i>E. Vae</i>	Time <i>11:30 AM</i>	Date <i>5/2/13</i>	Received By: (sign) _____	Time _____	Date _____
	Received in Laboratory By: <i>Mark King</i>			Time: <i>8:00</i>	Date: <i>5-3-13</i>	

CHAIN OF CUSTODY RECORD

Synergy

Environmental Lab, Inc.

Chain # No. 964

Page 2 of 5

Lab I.D. #	
Account No. :	Quote No.:
Project #:	
Sampler: (signature) <i>E. Due</i>	

 1990 Prospect Ct. • Appleton, WI 54914
 920-830-2455 • FAX 920-733-0631

Sample Handling Request
Rush Analysis Date Required _____
(Rushes accepted only with prior authorization)
<input checked="" type="checkbox"/> Normal Turn Around

Project (Name / Location): <i>Y Go By Tavern</i>									Analysis Requested								Other Analysis													
Reports To: <i>See Page 1</i>					Invoice To: <i>→</i>																									
Company					Company																									
Address					Address																									
City State Zip					City State Zip																									
Phone					Phone																									
FAX					FAX																									
Lab I.D.	Sample I.D.	Collection Date	Time	Comp	Grab	Filtered Y/N	No. of Containers	Sample Type (Matrix)	Preservation	DRO (Mod DRO Sep 95)	GRO (Mod GRO Sep 95)	IRON	LEAD	NITRATE / NITRITE	PAH (EPA 8270)	PVOC (EPA 8021)	PVOC + NAPHTHALENE	SULFATE	VOC DW (EPA 524.2)	VOC (EPA 8260)	8-PCPA METALS	PID/ FID								
<i>SO2S110k</i>	<i>G-3-2</i>	<i>4/21/13</i>	<i>11:10</i>		<i>X</i>		<i>2</i>	<i>S</i>	<i>MEOH</i>	<i>X</i>							<i>X</i>													
<i>L</i>	<i>G-3-4</i>		<i>11:15</i>				<i>2</i>			<i>X</i>							<i>X</i>													
<i>M</i>	<i>G-4-1</i>		<i>11:35</i>				<i>3</i>		<i>None</i>	<i>X</i>	<i>X</i>						<i>X</i>													
<i>N</i>	<i>G-4-2</i>		<i>11:40</i>				<i>2</i>			<i>X</i>							<i>X</i>													
<i>O</i>	<i>G-4-4</i>		<i>11:45</i>				<i>2</i>			<i>X</i>							<i>X</i>													
<i>P</i>	<i>G-5-1</i>		<i>12:05</i>				<i>3</i>		<i>None</i>	<i>X</i>	<i>X</i>						<i>X</i>													
<i>R</i>	<i>G-5-2</i>		<i>12:10</i>				<i>2</i>			<i>X</i>							<i>X</i>													
<i>S</i>	<i>G-5-4</i>		<i>12:15</i>				<i>2</i>			<i>X</i>							<i>X</i>													
<i>T</i>	<i>G-6-1</i>		<i>12:30</i>				<i>3</i>		<i>None</i>	<i>X</i>	<i>X</i>						<i>X</i>													
	<i>G-6-2</i>		<i>12:35</i>				<i>2</i>			<i>X</i>							<i>X</i>													

Comments/Special Instructions (*Specify groundwater "GW", Drinking Water "DW", Waste Water "WW", Soil "S", Air "A", Oil, Sludge etc.)

Sample Integrity - To be completed by receiving lab. Method of Shipment: <i>Unham</i> Temp. of Temp. Blank: <i>C</i> On Ice: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Cooler seal intact upon receipt: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Relinquished By: (sign)	Time	Date	Received By: (sign)	Time	Date
	<i>E. Due</i>	<i>11:30 AM</i>	<i>5/2/13</i>			
	Received in Laboratory By: <i>M. King</i>	Time: <i>8:00</i>	Date: <i>5-3-13</i>			

CHAIN OF CUSTODY RECORD



Chain # No. 1965

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Lab I.D. #
Account No. : Quote No.:
Project #:
Sampler; (signature) <i>E. [unclear]</i>

Environmental Lab, Inc.

1990 Prospect Ct. • Appleton, WI 54914
920-830-2455 • FAX 920-733-0631

Sample Handling Request
 ___ Rush Analysis Date Required
 (Rushes accepted only with prior authorization)
 Normal Turn Around

Project (Name / Location): <i>Y Go By Tavern</i>									Analysis Requested							Other Analysis													
Reports To: <i>See Page 1</i> → Invoice To: →																													
Company																													
Address																													
City State Zip																													
Phone																													
FAX																													
Lab I.D.	Sample I.D.	Collection Date	Time	Comp	Grab	Filtered Y/N	No. of Containers	Sample Type (Matrix)*	Preservation	DRO (Mod DRO Sep 95)	GRO (Mod GRO Sep 95)	IRON	LEAD	NITRATE / NITRITE	PAH (EPA 8270)	PVOC (EPA 8021)	PVOC + NAPHTHALENE	SULFATE	VOC DW (EPA 524.2)	VOC (EPA 8260)	8-PCRA METALS							PID/ FID	
<i>S02S110Q</i>	<i>G-6-4</i>	<i>4/24/13</i>	<i>12:40</i>		<i>X</i>		<i>2</i>	<i>S</i>	<i>MEDH</i>	<i>X</i>							<i>X</i>												
<i>V</i>	<i>G-7-1</i>		<i>1:05</i>				<i>3</i>		<i>None</i>	<i>X</i>	<i>X</i>						<i>X</i>												
<i>W</i>	<i>G-7-2</i>		<i>1:10</i>				<i>2</i>			<i>X</i>							<i>X</i>												
<i>X</i>	<i>G-7-3</i>		<i>1:15</i>				<i>2</i>			<i>X</i>							<i>X</i>												
<i>Y</i>	<i>G-7-4</i>		<i>1:20</i>				<i>2</i>			<i>X</i>							<i>X</i>												
<i>Z</i>	<i>G-8-1</i>		<i>1:30</i>				<i>3</i>		<i>None</i>	<i>X</i>	<i>X</i>						<i>X</i>												
<i>S2S110QA</i>	<i>G-8-2</i>		<i>1:35</i>				<i>2</i>			<i>X</i>							<i>X</i>												
<i>BB</i>	<i>G-8-4</i>		<i>1:40</i>				<i>2</i>			<i>X</i>							<i>X</i>												
<i>CC</i>	<i>G-9-1</i>		<i>2:00</i>				<i>3</i>		<i>None</i>	<i>X</i>	<i>X</i>						<i>X</i>												
<i>DD</i>	<i>G-9-2</i>		<i>2:05</i>				<i>2</i>			<i>X</i>							<i>X</i>												

Comments/Special Instructions (*Specify groundwater "GW", Drinking Water "DW", Waste Water "WW", Soil "S", Air "A", Oil, Sludge etc.)

Sample Integrity: To be completed by receiving lab. Method of Shipment: <i>Shipment</i> Temp. of Temp. Blank: <input type="checkbox"/> C On Ice: <input checked="" type="checkbox"/> Cooler seal intact upon receipt: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Relinquished By: (sign) <i>E. [unclear]</i>	Time <i>11:30 AM</i>	Date <i>5/2/13</i>	Received By: (sign) _____	Time _____	Date _____
	Received in Laboratory By: <i>[Signature]</i>	Time <i>8:00</i>	Date <i>5-2-13</i>	_____	_____	_____

CHAIN OF CUSTODY RECORD

Synergy

Chain # No. 1966

Page 4 of 5

Environmental Lab, Inc.

 1990 Prospect Ct. • Appleton, WI 54914
 920-830-2455 • FAX 920-733-0631

Sample Handling Request
 Rush Analysis Date Required _____
 (Rushes accepted only with prior authorization)
 Normal Turn Around

Lab I.D. # _____
 Account No. : _____ Quote No.: _____
 Project #: _____
 Sampler: (signature) *[Signature]*

Project (Name / Location): Y Go By Tavern
 Reports To: See Page 1 Invoice To: [Arrow]
 Company _____ Company _____
 Address _____ Address _____
 City State Zip _____ City State Zip _____
 Phone _____ Phone _____
 FAX _____ FAX _____

		Analysis Requested										Other Analysis										PID/ FID				
Lab I.D.	Sample I.D.	DRO (Mod DRO Sep 95)	GRO (Mod GRO Sep 95)	IRON	LEAD	NITRATE / NITRITE	PAH (EPA 8270)	PVOC (EPA 8021)	PVOC + NAPHTHALENE	SULFATE	VOC DW (EPA 524.2)	VOC (EPA 8260)	8-PCB/METALS													
5025110EE	G-9-3	X	X																							
FF	G-9-4	X	X																							
GL	Trip Blank																									
HH	Potable Well																									
II	G-1-W																									
JT	G-2-W																									
ka	G-3-W																									
LL	G-4-W																									
MM	G-5-W																									
NN	G-6-W																									

Comments/Special Instructions (* Specify groundwater "GW", Drinking Water "DW", Waste Water "WW", Soil "S", Air "A", Oil, Sludge etc.)

Sample Integrity - To be completed by receiving lab.
 Method of Shipment: Air Mail
 Temp. of Temp. Blank: C On Ice: X
 Cooler seal intact upon receipt: X Yes No

Relinquished By: (sign) *[Signature]* Time: 11:30 AM Date: 5/2/13

Received in Laboratory By: *[Signature]* Time: 8:00 Date: 5-3-13

CHAIN **C** CUSTODY RECORD



Environmental Lab, Inc.

Chain # No. **C 1967**

Page **5** of **5**

Lab I.D. #: _____
 Account No.: _____ Quote No.: _____
 Project #: _____
 Sampler: (signature) *E. Paul*

1990 Prospect Ct. • Appleton, WI 54914
 920-830-2455 • FAX 920-733-0631

Sample Handling Request
 Rush Analysis: Date Required _____
 (Rushes accepted only with prior authorization)
 Normal Turn-Around

Project (Name / Location): **Y Go By Tavern**
 Reports To: *See Page 1* Invoice To: *→*
 Company _____ Company _____
 Address _____ Address _____
 City State Zip _____ City State Zip _____
 Phone _____ Phone _____
 FAX _____ FAX _____

Analysis Requested		Other Analysis											PID/ FID										
DRG (Mod DRG Sep 95)	GRO (Mod GRO Sep 95)	IRON	LEAD	NITRATE / NITRITE	PAH (EPA 8270)	PVOC (EPA 8021)	PVOC + NAPHTHALENE	SULFATE	VOC DW (EPA 524.2)	VOC (EPA 8260)	8-PCPA METALS												

Lab I.D.	Sample I.D.	Collection Date	Time	Comp	Grab	Filtered Y/N	No. of Containers	Sample Type (Matrix)*	Preservation
57511000	G-7-W	4/24/13	1:20		X	N	3	GW	HE1
PP	G-8-W	↓	1:50		↓	↓	↓	↓	↓
GB	G-9-W	↓	2:20		↓	↓	↓	↓	↓

Comments/Special Instructions (*Specify groundwater "GW", Drinking Water "DW", Waste Water "WW", Soil "S", Air "A", Oil, Sludge etc.)

Sample Integrity - To be completed by receiving lab:
 Method of Shipment: *Insulated*
 Temp. of Temp. Blank: _____ C On Ice:
 Cooler seal intact upon receipt: Yes No

Relinquished By: (sign) *E. Paul* Time: *11:30AM* Date: *5/1/13*

Received in Laboratory By: *M. [Signature]* Time: *8:00* Date: *5-3-13*

Synergy Environmental Lab,

1990 Prospect Ct., Appleton, WI 54914 *P 920-830-2455 * F 920-733-0631

ARLAND DILLENBURG
ARLAND DILLENBURG
142 S. FRANKLIN ST.
SHAWANO, WI 54116

Report Date 30-Apr-14

Project Name Y GO BY TAVERN

Invoice # E26846

Project #

Lab Code 5026846A
Sample ID TRIP BLANK
Sample Matrix Water
Sample Date 4/14/2014

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	< 0.27	ug/l	0.27	0.85	1	GRO95/8021		4/24/2014	CJR	1
Ethylbenzene	< 0.82	ug/l	0.82	2.6	1	GRO95/8021		4/24/2014	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.37	ug/l	0.37	1.2	1	GRO95/8021		4/24/2014	CJR	1
Naphthalene	< 1.2	ug/l	1.2	3.8	1	GRO95/8021		4/24/2014	CJR	1
Toluene	< 0.8	ug/l	0.8	2.6	1	GRO95/8021		4/24/2014	CJR	1
1,2,4-Trimethylbenzene	< 0.83	ug/l	0.83	2.6	1	GRO95/8021		4/24/2014	CJR	1
1,3,5-Trimethylbenzene	< 0.86	ug/l	0.86	2.7	1	GRO95/8021		4/24/2014	CJR	1
m&p-Xylene	< 1.6	ug/l	1.6	5.2	1	GRO95/8021		4/24/2014	CJR	1
o-Xylene	< 0.81	ug/l	0.81	2.6	1	GRO95/8021		4/24/2014	CJR	1

Lab Code 5026846B
Sample ID G-10-W
Sample Matrix Water
Sample Date 4/14/2014

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	< 12	ug/l	12	38.5	50	8260B		4/28/2014	CJR	1
Ethylbenzene	< 27.5	ug/l	27.5	85	50	8260B		4/28/2014	CJR	1
Methyl tert-butyl ether (MTBE)	< 11.5	ug/l	11.5	37	50	8260B		4/28/2014	CJR	1
Naphthalene	< 85	ug/l	85	275	50	8260B		4/28/2014	CJR	1
Toluene	< 34.5	ug/l	34.5	110	50	8260B		4/28/2014	CJR	1
1,2,4-Trimethylbenzene	288 "J"	ug/l	110	345	50	8260B		4/28/2014	CJR	1
1,3,5-Trimethylbenzene	96 "J"	ug/l	70	225	50	8260B		4/28/2014	CJR	1
m&p-Xylene	350	ug/l	34.5	110	50	8260B		4/28/2014	CJR	1
o-Xylene	160	ug/l	31.5	100	50	8260B		4/28/2014	CJR	1

Project

Lab Code 5026846C
 Sample ID METH BLANK
 Sample Matrix Soil
 Sample Date 4/14/2014

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	<25	ug/kg	7.9	25	1	GRO95/8021		4/28/2014	CJR	1
Ethylbenzene	<25	ug/kg	7.7	25	1	GRO95/8021		4/28/2014	CJR	1
Methyl tert-butyl ether (MTBE)	<25	ug/kg	8.1	26	1	GRO95/8021		4/28/2014	CJR	1
Naphthalene	<25	ug/kg	22	70	1	GRO95/8021		4/28/2014	CJR	1
Toluene	<25	ug/kg	8.4	27	1	GRO95/8021		4/28/2014	CJR	1
1,2,4-Trimethylbenzene	<25	ug/kg	10	33	1	GRO95/8021		4/28/2014	CJR	1
1,3,5-Trimethylbenzene	<25	ug/kg	9.3	30	1	GRO95/8021		4/28/2014	CJR	1
m&p-Xylene	<50	ug/kg	16	50	1	GRO95/8021		4/28/2014	CJR	1
o-Xylene	<25	ug/kg	10	32	1	GRO95/8021		4/28/2014	CJR	1

Lab Code 5026846D
 Sample ID MW-1-5
 Sample Matrix Soil
 Sample Date 4/14/2014

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	84.1	%			1	5021		4/18/2014	MDK	1
Organic										
PVOC + Naphthalene										
Benzene	<25	ug/kg	7.9	25	1	GRO95/8021		4/28/2014	CJR	1
Ethylbenzene	400	ug/kg	7.7	25	1	GRO95/8021		4/28/2014	CJR	1
Methyl tert-butyl ether (MTBE)	<25	ug/kg	8.1	26	1	GRO95/8021		4/28/2014	CJR	1
Naphthalene	137	ug/kg	22	70	1	GRO95/8021		4/28/2014	CJR	1
Toluene	360	ug/kg	8.4	27	1	GRO95/8021		4/28/2014	CJR	1
1,2,4-Trimethylbenzene	590	ug/kg	10	33	1	GRO95/8021		4/28/2014	CJR	1
1,3,5-Trimethylbenzene	256	ug/kg	9.3	30	1	GRO95/8021		4/28/2014	CJR	1
m&p-Xylene	1380	ug/kg	16	50	1	GRO95/8021		4/28/2014	CJR	1
o-Xylene	530	ug/kg	10	32	1	GRO95/8021		4/28/2014	CJR	1

Lab Code 5026846E
 Sample ID MW-1-6
 Sample Matrix Soil
 Sample Date 4/14/2014

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	85.4	%			1	5021		4/18/2014	MDK	1
Organic										
PVOC + Naphthalene										
Benzene	<25	ug/kg	7.9	25	1	GRO95/8021		4/28/2014	CJR	1
Ethylbenzene	216	ug/kg	7.7	25	1	GRO95/8021		4/28/2014	CJR	1
Methyl tert-butyl ether (MTBE)	<25	ug/kg	8.1	26	1	GRO95/8021		4/28/2014	CJR	1
Naphthalene	77	ug/kg	22	70	1	GRO95/8021		4/28/2014	CJR	1
Toluene	610	ug/kg	8.4	27	1	GRO95/8021		4/28/2014	CJR	1
1,2,4-Trimethylbenzene	380	ug/kg	10	33	1	GRO95/8021		4/28/2014	CJR	1
1,3,5-Trimethylbenzene	171	ug/kg	9.3	30	1	GRO95/8021		4/28/2014	CJR	1
m&p-Xylene	780	ug/kg	16	50	1	GRO95/8021		4/28/2014	CJR	1
o-Xylene	330	ug/kg	10	32	1	GRO95/8021		4/28/2014	CJR	1

Project Name Y GO BY TAVERN

Invoice # E26846

Project #

"J" Flag: Analyte detected between LOD and LOQ

LOD Limit of Detection

LOQ Limit of Quantitation

Code *Comment*

1 Laboratory QC within limits.

All solid sample results reported on a dry weight basis unless otherwise indicated. All LOD's and LOQ's are adjusted for dilutions but not dry weight. Subcontracted results are denoted by SUB in the analyst field.

Authorized Signature

Michael Ricker

CHAIN OF CUSTODY RECORD

Synergy

Chain # **25308**

Page 1 of 1

Environmental Lab, Inc.

1990 Prospect Ct. • Appleton, WI 54914
920-830-2455 • FAX 920-733-0631

Sample Handling Request

____ Rush Analysis Date Required ____
(Rushes accepted only with prior authorization)

Normal Turn Around

Lab I.D. # _____

Account No. : _____ Quote No.: _____

Project #: _____

Sampler: (signature) *[Signature]*

Project (Name / Location): **Y Go By Tavern**

Reports To: **Arland Dillenbury** Invoice To: **Arland Dillenbury**

Company: _____ Company: **ClO METCO**

Address: **N4821 Hwy 22 S** Address: **709 Gillette St, Ste 3**

City State Zip: **Shawano, WI 54166** City State Zip: **La Crosse, WI 54603**

Phone: **(715) 353-7747** Phone: **(608) 781-8879**

FAX: _____ FAX: **8893**

Analysis Requested **Other Analysis**

Lab I.D.	Sample I.D.	Collection		Comp	Grab	Filtered Y/N	No. of Containers	Sample Type (Matrix)*	Preservation	DRO (Mod DRO Sep 95)	GRO (Mod GRO Sep 95)	LEAD	NITRATE/NITRITE	OIL & GREASE	PAH (EPA 8270)	PVC (EPA 8021)	PVC + NAPHTHALENE	SULFATE	TOTAL SUSPENDED SOLIDS	VOC DW (EPA 542.2)	VOC (EPA 8260)	8-RCRA METALS	PID/ FID	
		Date	Time																					
	Trip Blank	4/14					1		UCI															
	G-10-W		10:00		X	N	3	GW	UCI															
	Meth Blank						1		MEAD															
	A11J-1-5		3:35		X		2	S																
	A11J-1-6		3:05		X		2	S																

Comments/Special Instructions (*Specify groundwater "GW", Drinking Water "DW", Waste Water "WW", Soil "S", Air "A", Oil, Sludge etc.)

Lab to send copy of report to METCO

Use Rates

Agent Status

Sample Integrity - To be completed by receiving lab.

Method of Shipment: _____

Temp. of Temp. Blank _____ °C On Ice: _____

Cooler seal intact upon receipt: Yes _____ No _____

Relinquished By: (sign) *[Signature]* Time Date Received By: (sign) _____ Time Date

Received in Laboratory By: _____ Time: _____ Date: _____

Synergy Environmental Lab,

1990 Prospect Ct., Appleton, WI 54914 *P 920-830-2455 * F 920-733-0631

ARLAND DILLENBURG
ARLAND DILLENBURG
142 S. FRANKLIN ST.
SHAWANO, WI 54116

Report Date 09-Jul-14

Project Name Y GO BY TAVERN
Project #

Invoice # E27201

Lab Code 5027201A
Sample ID N3215 PW
Sample Matrix Drinking Water
Sample Date 6/18/2014

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Inorganic										
Metals										
Lead, Dissolved	< 0.7	ug/l	0.7	2.3	1	3113B	6/24/2014	6/24/2014	CWT	1
Organic										
VOC's										
Benzene	< 0.24	ug/l	0.24	0.77	1	524.2	6/25/2014	6/25/2014	CJR	1
Bromobenzene	< 0.33	ug/l	0.33	1	1	524.2	6/25/2014	6/25/2014	CJR	1
Bromodichloromethane	< 0.27	ug/l	0.27	0.85	1	524.2	6/25/2014	6/25/2014	CJR	1
Bromoform	< 0.34	ug/l	0.34	1.1	1	524.2	6/25/2014	6/25/2014	CJR	1
Bromomethane	< 0.98	ug/l	0.98	3.1	1	524.2	6/25/2014	6/25/2014	CJR	1
Carbon Tetrachloride	< 0.25	ug/l	0.25	0.81	1	524.2	6/25/2014	6/25/2014	CJR	1
Chlorobenzene	< 0.24	ug/l	0.24	0.77	1	524.2	6/25/2014	6/25/2014	CJR	1
Chloroethane	< 0.62	ug/l	0.62	2	1	524.2	6/25/2014	6/25/2014	CJR	1
Chloroform	< 0.28	ug/l	0.28	0.88	1	524.2	6/25/2014	6/25/2014	CJR	1
Chloromethane	< 0.81	ug/l	0.81	2.6	1	524.2	6/25/2014	6/25/2014	CJR	1
2-Chlorotoluene	< 0.35	ug/l	0.35	1.1	1	524.2	6/25/2014	6/25/2014	CJR	1
4-Chlorotoluene	< 0.29	ug/l	0.29	0.91	1	524.2	6/25/2014	6/25/2014	CJR	1
Dibromochloromethane	< 0.2	ug/l	0.2	0.64	1	524.2	6/25/2014	6/25/2014	CJR	1
Dibromomethane	< 0.41	ug/l	0.41	1.3	1	524.2	6/25/2014	6/25/2014	CJR	1
1,4-Dichlorobenzene	< 0.25	ug/l	0.25	0.8	1	524.2	6/25/2014	6/25/2014	CJR	1
1,3-Dichlorobenzene	< 0.3	ug/l	0.3	0.96	1	524.2	6/25/2014	6/25/2014	CJR	1
1,2-Dichlorobenzene	< 0.28	ug/l	0.28	0.88	1	524.2	6/25/2014	6/25/2014	CJR	1
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.85	1	524.2	6/25/2014	6/25/2014	CJR	1
1,2-Dichloroethane	< 0.41	ug/l	0.41	1.3	1	524.2	6/25/2014	6/25/2014	CJR	1
1,1-Dichloroethane	< 0.3	ug/l	0.3	0.97	1	524.2	6/25/2014	6/25/2014	CJR	1
1,1-Dichloroethene	< 0.31	ug/l	0.31	0.99	1	524.2	6/25/2014	6/25/2014	CJR	1
cis-1,2-Dichloroethene	< 0.32	ug/l	0.32	1	1	524.2	6/25/2014	6/25/2014	CJR	1
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.8	1	524.2	6/25/2014	6/25/2014	CJR	1
1,2-Dichloropropane	< 0.32	ug/l	0.32	1	1	524.2	6/25/2014	6/25/2014	CJR	1
2,2-Dichloropropane	< 0.45	ug/l	0.45	1.4	1	524.2	6/25/2014	6/25/2014	CJR	1
1,3-Dichloropropane	< 0.26	ug/l	0.26	0.82	1	524.2	6/25/2014	6/25/2014	CJR	1
trans-1,3-Dichloropropene	< 0.22	ug/l	0.22	0.69	1	524.2	6/25/2014	6/25/2014	CJR	1
cis-1,3-Dichloropropene	< 0.2	ug/l	0.2	0.63	1	524.2	6/25/2014	6/25/2014	CJR	1
1,1-Dichloropropene	< 0.34	ug/l	0.34	1.1	1	524.2	6/25/2014	6/25/2014	CJR	1

Project

Lab Code 5027201A
 Sample ID N3215 PW
 Sample Matrix Drinking Water
 Sample Date 6/18/2014

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Ethylbenzene	<0.27	ug/l	0.27	0.86	1	524.2		6/25/2014	CJR	1
Hexachlorobutadiene	<0.48	ug/l	0.48	1.5	1	524.2		6/25/2014	CJR	1
Isopropylbenzene	<0.3	ug/l	0.3	0.96	1	524.2		6/25/2014	CJR	1
p-Isopropyltoluene	<0.3	ug/l	0.3	0.94	1	524.2		6/25/2014	CJR	1
Methylene chloride	<0.35	ug/l	0.35	1.1	1	524.2		6/25/2014	CJR	1
Methyl tert-butyl ether (MTBE)	<0.26	ug/l	0.26	0.82	1	524.2		6/25/2014	CJR	1
Naphthalene	<0.49	ug/l	0.49	1.6	1	524.2		6/25/2014	CJR	1
Styrene	<0.23	ug/l	0.23	0.72	1	524.2		6/25/2014	CJR	1
1,1,2,2-Tetrachloroethane	<0.45	ug/l	0.45	1.4	1	524.2		6/25/2014	CJR	1
1,1,1,2-Tetrachloroethane	<0.29	ug/l	0.29	0.91	1	524.2		6/25/2014	CJR	1
Tetrachloroethene	<0.27	ug/l	0.27	0.85	1	524.2		6/25/2014	CJR	1
Toluene	<0.24	ug/l	0.24	0.75	1	524.2		6/25/2014	CJR	1
1,2,4-Trichlorobenzene	<0.24	ug/l	0.24	0.76	1	524.2		6/25/2014	CJR	1
1,1,1-Trichloroethane	<0.33	ug/l	0.33	1	1	524.2		6/25/2014	CJR	1
1,1,2-Trichloroethane	<0.34	ug/l	0.34	1.1	1	524.2		6/25/2014	CJR	1
Trichloroethene (TCE)	<0.3	ug/l	0.3	0.96	1	524.2		6/25/2014	CJR	1
Trichlorofluoromethane	<0.26	ug/l	0.26	0.84	1	524.2		6/25/2014	CJR	1
1,2,3-Trichloropropane	<0.91	ug/l	0.91	2.9	1	524.2		6/25/2014	CJR	1
Trichlorotrifluoroethane	<0.41	ug/l	0.41	1.3	1	524.2		6/25/2014	CJR	1
1,2,4-Trimethylbenzene	<0.31	ug/l	0.31	0.98	1	524.2		6/25/2014	CJR	1
1,3,5-Trimethylbenzene	<0.26	ug/l	0.26	0.83	1	524.2		6/25/2014	CJR	1
Vinyl Chloride	<0.18	ug/l	0.18	0.57	1	524.2		6/25/2014	CJR	1
m&p-Xylene	<0.69	ug/l	0.69	2.2	1	524.2		6/25/2014	CJR	1
o-Xylene	<0.25	ug/l	0.25	0.79	1	524.2		6/25/2014	CJR	1

Project

Lab Code 5027201B
 Sample ID MW-2
 Sample Matrix Water
 Sample Date 6/18/2014

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Inorganic										
Metals										
Iron, Dissolved	< 0.06	mg/l	0.06	0.21	1	200.7		7/7/2014	CWT	1
Lead, Dissolved	< 0.7	ug/L	0.7	2.5	1	7421		6/23/2014	CWT	1
Manganese, Dissolved	67.0	ug/L	4.8	15.4	1	200.7		7/7/2014	CWT	1
Organic										
VOC's										
Benzene	< 0.24	ug/l	0.24	0.77	1	8260B		6/26/2014	CJR	1
Bromobenzene	< 0.32	ug/l	0.32	1	1	8260B		6/26/2014	CJR	1
Bromodichloromethane	< 0.37	ug/l	0.37	1.2	1	8260B		6/26/2014	CJR	1
Bromoform	< 0.35	ug/l	0.35	1.1	1	8260B		6/26/2014	CJR	1
tert-Butylbenzene	< 0.36	ug/l	0.36	1.2	1	8260B		6/26/2014	CJR	1
sec-Butylbenzene	< 0.33	ug/l	0.33	1	1	8260B		6/26/2014	CJR	1
n-Butylbenzene	< 0.35	ug/l	0.35	1.1	1	8260B		6/26/2014	CJR	1
Carbon Tetrachloride	< 0.33	ug/l	0.33	1.1	1	8260B		6/26/2014	CJR	1
Chlorobenzene	< 0.24	ug/l	0.24	0.77	1	8260B		6/26/2014	CJR	1
Chloroethane	< 0.63	ug/l	0.63	2	1	8260B		6/26/2014	CJR	1
Chloroform	< 0.28	ug/l	0.28	0.88	1	8260B		6/26/2014	CJR	1
Chloromethane	< 0.81	ug/l	0.81	2.6	1	8260B		6/26/2014	CJR	1
2-Chlorotoluene	< 0.21	ug/l	0.21	0.66	1	8260B		6/26/2014	CJR	1
4-Chlorotoluene	< 0.21	ug/l	0.21	0.68	1	8260B		6/26/2014	CJR	1
1,2-Dibromo-3-chloropropane	< 0.88	ug/l	0.88	2.8	1	8260B		6/26/2014	CJR	1
Dibromochloromethane	< 0.22	ug/l	0.22	0.7	1	8260B		6/26/2014	CJR	1
1,4-Dichlorobenzene	< 0.3	ug/l	0.3	0.96	1	8260B		6/26/2014	CJR	1
1,3-Dichlorobenzene	< 0.28	ug/l	0.28	0.89	1	8260B		6/26/2014	CJR	1
1,2-Dichlorobenzene	< 0.36	ug/l	0.36	1.2	1	8260B		6/26/2014	CJR	1
Dichlorodifluoromethane	< 0.44	ug/l	0.44	1.4	1	8260B		6/26/2014	CJR	1
1,2-Dichloroethane	< 0.41	ug/l	0.41	1.3	1	8260B		6/26/2014	CJR	1
1,1-Dichloroethane	< 0.3	ug/l	0.3	0.97	1	8260B		6/26/2014	CJR	1
1,1-Dichloroethene	< 0.4	ug/l	0.4	1.3	1	8260B		6/26/2014	CJR	1
cis-1,2-Dichloroethene	< 0.38	ug/l	0.38	1.2	1	8260B		6/26/2014	CJR	1
trans-1,2-Dichloroethene	< 0.35	ug/l	0.35	1.1	1	8260B		6/26/2014	CJR	1
1,2-Dichloropropane	< 0.32	ug/l	0.32	1	1	8260B		6/26/2014	CJR	1
2,2-Dichloropropane	< 0.36	ug/l	0.36	1.2	1	8260B		6/26/2014	CJR	8
1,3-Dichloropropane	< 0.33	ug/l	0.33	1	1	8260B		6/26/2014	CJR	1
Di-isopropyl ether	< 0.23	ug/l	0.23	0.73	1	8260B		6/26/2014	CJR	1
EDB (1,2-Dibromoethane)	< 0.44	ug/l	0.44	1.4	1	8260B		6/26/2014	CJR	1
Ethylbenzene	< 0.55	ug/l	0.55	1.7	1	8260B		6/26/2014	CJR	1
Hexachlorobutadiene	< 1.5	ug/l	1.5	4.8	1	8260B		6/26/2014	CJR	1
Isopropylbenzene	< 0.3	ug/l	0.3	0.96	1	8260B		6/26/2014	CJR	1
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.98	1	8260B		6/26/2014	CJR	1
Methylene chloride	< 0.5	ug/l	0.5	1.6	1	8260B		6/26/2014	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.23	ug/l	0.23	0.74	1	8260B		6/26/2014	CJR	1
Naphthalene	< 1.7	ug/l	1.7	5.5	1	8260B		6/26/2014	CJR	1
n-Propylbenzene	< 0.25	ug/l	0.25	0.81	1	8260B		6/26/2014	CJR	1
1,1,2,2-Tetrachloroethane	< 0.45	ug/l	0.45	1.4	1	8260B		6/26/2014	CJR	1
1,1,1,2-Tetrachloroethane	< 0.33	ug/l	0.33	1.1	1	8260B		6/26/2014	CJR	1
Tetrachloroethene	< 0.33	ug/l	0.33	1.1	1	8260B		6/26/2014	CJR	1
Toluene	< 0.69	ug/l	0.69	2.2	1	8260B		6/26/2014	CJR	1
1,2,4-Trichlorobenzene	< 0.98	ug/l	0.98	3.1	1	8260B		6/26/2014	CJR	1
1,2,3-Trichlorobenzene	< 1.8	ug/l	1.8	5.8	1	8260B		6/26/2014	CJR	1
1,1,1-Trichloroethane	< 0.33	ug/l	0.33	1	1	8260B		6/26/2014	CJR	1
1,1,2-Trichloroethane	< 0.34	ug/l	0.34	1.1	1	8260B		6/26/2014	CJR	1
Trichloroethene (TCE)	< 0.33	ug/l	0.33	1	1	8260B		6/26/2014	CJR	1
Trichlorofluoromethane	< 0.71	ug/l	0.71	2.3	1	8260B		6/26/2014	CJR	1
1,2,4-Trimethylbenzene	< 2.2	ug/l	2.2	6.9	1	8260B		6/26/2014	CJR	1
1,3,5-Trimethylbenzene	< 1.4	ug/l	1.4	4.5	1	8260B		6/26/2014	CJR	1
Vinyl Chloride	< 0.18	ug/l	0.18	0.57	1	8260B		6/26/2014	CJR	1

Project #

Lab Code 5027201B

Sample ID MW-2

Sample Matrix Water

Sample Date 6/18/2014

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
m&p-Xylene	< 0.69	ug/l	0.69	2.2	1	8260B		6/26/2014	CJR	1
o-Xylene	< 0.63	ug/l	0.63	2	1	8260B		6/26/2014	CJR	1
SUR - 1,2-Dichloroethane-d4	101	REC %			1	8260B		6/26/2014	CJR	1
SUR - 4-Bromofluorobenzene	100	REC %			1	8260B		6/26/2014	CJR	1
SUR - Dibromofluoromethane	101	REC %			1	8260B		6/26/2014	CJR	1
SUR - Toluene-d8	100	REC %			1	8260B		6/26/2014	CJR	1
Wet Chemistry										
General										
Nitrite Plus Nitrate, Dissolved	1.94	mg/l	0.15	0.48	1	353.2		7/3/2014	MDK	1
Sulfate, Filtered	20.1	mg/l	1.89	6.01	1	ASTM D516-		6/24/2014	MDK	1

Project

Lab Code 5027201C

Sample ID MW-4

Sample Matrix Water

Sample Date 6/18/2014

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Inorganic										
Metals										
Iron, Dissolved	< 0.06	mg/l	0.06	0.21	1	200.7		7/7/2014	CWT	1
Lead, Dissolved	< 0.7	ug/L	0.7	2.5	1	7421		6/23/2014	CWT	1
Manganese, Dissolved	111	ug/L	4.8	15.4	1	200.7		7/7/2014	CWT	1
Organic										
VOC's										
Benzene	< 0.24	ug/l	0.24	0.77	1	8260B		6/26/2014	CJR	1
Bromobenzene	< 0.32	ug/l	0.32	1	1	8260B		6/26/2014	CJR	1
Bromodichloromethane	< 0.37	ug/l	0.37	1.2	1	8260B		6/26/2014	CJR	1
Bromoform	< 0.35	ug/l	0.35	1.1	1	8260B		6/26/2014	CJR	1
tert-Butylbenzene	< 0.36	ug/l	0.36	1.2	1	8260B		6/26/2014	CJR	1
sec-Butylbenzene	< 0.33	ug/l	0.33	1	1	8260B		6/26/2014	CJR	1
n-Butylbenzene	< 0.35	ug/l	0.35	1.1	1	8260B		6/26/2014	CJR	1
Carbon Tetrachloride	< 0.33	ug/l	0.33	1.1	1	8260B		6/26/2014	CJR	1
Chlorobenzene	< 0.24	ug/l	0.24	0.77	1	8260B		6/26/2014	CJR	1
Chloroethane	< 0.63	ug/l	0.63	2	1	8260B		6/26/2014	CJR	1
Chloroform	< 0.28	ug/l	0.28	0.88	1	8260B		6/26/2014	CJR	1
Chloromethane	< 0.81	ug/l	0.81	2.6	1	8260B		6/26/2014	CJR	1
2-Chlorotoluene	< 0.21	ug/l	0.21	0.66	1	8260B		6/26/2014	CJR	1
4-Chlorotoluene	< 0.21	ug/l	0.21	0.68	1	8260B		6/26/2014	CJR	1
1,2-Dibromo-3-chloropropane	< 0.88	ug/l	0.88	2.8	1	8260B		6/26/2014	CJR	1
Dibromochloromethane	< 0.22	ug/l	0.22	0.7	1	8260B		6/26/2014	CJR	1
1,4-Dichlorobenzene	< 0.3	ug/l	0.3	0.96	1	8260B		6/26/2014	CJR	1
1,3-Dichlorobenzene	< 0.28	ug/l	0.28	0.89	1	8260B		6/26/2014	CJR	1
1,2-Dichlorobenzene	< 0.36	ug/l	0.36	1.2	1	8260B		6/26/2014	CJR	1
Dichlorodifluoromethane	< 0.44	ug/l	0.44	1.4	1	8260B		6/26/2014	CJR	1
1,2-Dichloroethane	< 0.41	ug/l	0.41	1.3	1	8260B		6/26/2014	CJR	1
1,1-Dichloroethane	< 0.3	ug/l	0.3	0.97	1	8260B		6/26/2014	CJR	1
1,1-Dichloroethene	< 0.4	ug/l	0.4	1.3	1	8260B		6/26/2014	CJR	1
cis-1,2-Dichloroethene	< 0.38	ug/l	0.38	1.2	1	8260B		6/26/2014	CJR	1
trans-1,2-Dichloroethene	< 0.35	ug/l	0.35	1.1	1	8260B		6/26/2014	CJR	1
1,2-Dichloropropane	< 0.32	ug/l	0.32	1	1	8260B		6/26/2014	CJR	1
2,2-Dichloropropane	< 0.36	ug/l	0.36	1.2	1	8260B		6/26/2014	CJR	8
1,3-Dichloropropane	< 0.33	ug/l	0.33	1	1	8260B		6/26/2014	CJR	1
Di-isopropyl ether	< 0.23	ug/l	0.23	0.73	1	8260B		6/26/2014	CJR	1
EDB (1,2-Dibromoethane)	< 0.44	ug/l	0.44	1.4	1	8260B		6/26/2014	CJR	1
Ethylbenzene	< 0.55	ug/l	0.55	1.7	1	8260B		6/26/2014	CJR	1
Hexachlorobutadiene	< 1.5	ug/l	1.5	4.8	1	8260B		6/26/2014	CJR	1
Isopropylbenzene	< 0.3	ug/l	0.3	0.96	1	8260B		6/26/2014	CJR	1
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.98	1	8260B		6/26/2014	CJR	1
Methylene chloride	< 0.5	ug/l	0.5	1.6	1	8260B		6/26/2014	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.23	ug/l	0.23	0.74	1	8260B		6/26/2014	CJR	1
Naphthalene	< 1.7	ug/l	1.7	5.5	1	8260B		6/26/2014	CJR	1
n-Propylbenzene	< 0.25	ug/l	0.25	0.81	1	8260B		6/26/2014	CJR	1
1,1,2,2-Tetrachloroethane	< 0.45	ug/l	0.45	1.4	1	8260B		6/26/2014	CJR	1
1,1,1,2-Tetrachloroethane	< 0.33	ug/l	0.33	1.1	1	8260B		6/26/2014	CJR	1
Tetrachloroethene	< 0.33	ug/l	0.33	1.1	1	8260B		6/26/2014	CJR	1
Toluene	< 0.69	ug/l	0.69	2.2	1	8260B		6/26/2014	CJR	1
1,2,4-Trichlorobenzene	< 0.98	ug/l	0.98	3.1	1	8260B		6/26/2014	CJR	1
1,2,3-Trichlorobenzene	< 1.8	ug/l	1.8	5.8	1	8260B		6/26/2014	CJR	1
1,1,1-Trichloroethane	< 0.33	ug/l	0.33	1	1	8260B		6/26/2014	CJR	1
1,1,2-Trichloroethane	< 0.34	ug/l	0.34	1.1	1	8260B		6/26/2014	CJR	1
Trichloroethene (TCE)	< 0.33	ug/l	0.33	1	1	8260B		6/26/2014	CJR	1
Trichlorofluoromethane	< 0.71	ug/l	0.71	2.3	1	8260B		6/26/2014	CJR	1
1,2,4-Trimethylbenzene	< 2.2	ug/l	2.2	6.9	1	8260B		6/26/2014	CJR	1
1,3,5-Trimethylbenzene	< 1.4	ug/l	1.4	4.5	1	8260B		6/26/2014	CJR	1
Vinyl Chloride	< 0.18	ug/l	0.18	0.57	1	8260B		6/26/2014	CJR	1

Project Name Y GO BY TAVERN

Invoice # E27201

Project #

Lab Code 5027201C

Sample ID MW-4

Sample Matrix Water

Sample Date 6/18/2014

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
m&p-Xylene	< 0.69	ug/l	0.69	2.2	1	8260B		6/26/2014	CJR	1
o-Xylene	< 0.63	ug/l	0.63		2	8260B		6/26/2014	CJR	1
SUR - 1,2-Dichloroethane-d4	96	REC %				8260B		6/26/2014	CJR	1
SUR - 4-Bromofluorobenzene	100	REC %				8260B		6/26/2014	CJR	1
SUR - Dibromofluoromethane	98	REC %				8260B		6/26/2014	CJR	1
SUR - Toluene-d8	102	REC %				8260B		6/26/2014	CJR	1
Wet Chemistry										
General										
Nitrite Plus Nitrate, Dissolved	2.21	mg/l	0.15	0.48	1	353.2		7/3/2014	MDK	1
Sulfate, Filtered	12.0	mg/l	1.89	6.01	1	ASTM D516-		6/24/2014	MDK	1

Project

Lab Code 5027201D
 Sample ID MW-3
 Sample Matrix Water
 Sample Date 6/18/2014

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Inorganic										
Metals										
Iron, Dissolved	0.31	mg/l	0.06	0.21	1	200.7		7/7/2014	CWT	1
Lead, Dissolved	< 0.7	ug/L	0.7	2.5	1	7421		6/23/2014	CWT	1
Manganese, Dissolved	104	ug/L	4.8	15.4	1	200.7		7/7/2014	CWT	1
Organic										
VOC's										
Benzene	< 0.24	ug/l	0.24	0.77	1	8260B		6/26/2014	CJR	1
Bromobenzene	< 0.32	ug/l	0.32	1	1	8260B		6/26/2014	CJR	1
Bromodichloromethane	< 0.37	ug/l	0.37	1.2	1	8260B		6/26/2014	CJR	1
Bromoform	< 0.35	ug/l	0.35	1.1	1	8260B		6/26/2014	CJR	1
tert-Butylbenzene	< 0.36	ug/l	0.36	1.2	1	8260B		6/26/2014	CJR	1
sec-Butylbenzene	< 0.33	ug/l	0.33	1	1	8260B		6/26/2014	CJR	1
n-Butylbenzene	< 0.35	ug/l	0.35	1.1	1	8260B		6/26/2014	CJR	1
Carbon Tetrachloride	< 0.33	ug/l	0.33	1.1	1	8260B		6/26/2014	CJR	1
Chlorobenzene	< 0.24	ug/l	0.24	0.77	1	8260B		6/26/2014	CJR	1
Chloroethane	< 0.63	ug/l	0.63	2	1	8260B		6/26/2014	CJR	1
Chloroform	< 0.28	ug/l	0.28	0.88	1	8260B		6/26/2014	CJR	1
Chloromethane	< 0.81	ug/l	0.81	2.6	1	8260B		6/26/2014	CJR	1
2-Chlorotoluene	< 0.21	ug/l	0.21	0.66	1	8260B		6/26/2014	CJR	1
4-Chlorotoluene	< 0.21	ug/l	0.21	0.68	1	8260B		6/26/2014	CJR	1
1,2-Dibromo-3-chloropropane	< 0.88	ug/l	0.88	2.8	1	8260B		6/26/2014	CJR	1
Dibromochloromethane	< 0.22	ug/l	0.22	0.7	1	8260B		6/26/2014	CJR	1
1,4-Dichlorobenzene	< 0.3	ug/l	0.3	0.96	1	8260B		6/26/2014	CJR	1
1,3-Dichlorobenzene	< 0.28	ug/l	0.28	0.89	1	8260B		6/26/2014	CJR	1
1,2-Dichlorobenzene	< 0.36	ug/l	0.36	1.2	1	8260B		6/26/2014	CJR	1
Dichlorodifluoromethane	< 0.44	ug/l	0.44	1.4	1	8260B		6/26/2014	CJR	1
1,2-Dichloroethane	< 0.41	ug/l	0.41	1.3	1	8260B		6/26/2014	CJR	1
1,1-Dichloroethane	< 0.3	ug/l	0.3	0.97	1	8260B		6/26/2014	CJR	1
1,1-Dichloroethene	< 0.4	ug/l	0.4	1.3	1	8260B		6/26/2014	CJR	1
cis-1,2-Dichloroethene	< 0.38	ug/l	0.38	1.2	1	8260B		6/26/2014	CJR	1
trans-1,2-Dichloroethene	< 0.35	ug/l	0.35	1.1	1	8260B		6/26/2014	CJR	1
1,2-Dichloropropane	< 0.32	ug/l	0.32	1	1	8260B		6/26/2014	CJR	1
2,2-Dichloropropane	< 0.36	ug/l	0.36	1.2	1	8260B		6/26/2014	CJR	8
1,3-Dichloropropane	< 0.33	ug/l	0.33	1	1	8260B		6/26/2014	CJR	1
Di-isopropyl ether	< 0.23	ug/l	0.23	0.73	1	8260B		6/26/2014	CJR	1
EDB (1,2-Dibromoethane)	< 0.44	ug/l	0.44	1.4	1	8260B		6/26/2014	CJR	1
Ethylbenzene	< 0.55	ug/l	0.55	1.7	1	8260B		6/26/2014	CJR	1
Hexachlorobutadiene	< 1.5	ug/l	1.5	4.8	1	8260B		6/26/2014	CJR	1
Isopropylbenzene	< 0.3	ug/l	0.3	0.96	1	8260B		6/26/2014	CJR	1
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.98	1	8260B		6/26/2014	CJR	1
Methylene chloride	< 0.5	ug/l	0.5	1.6	1	8260B		6/26/2014	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.23	ug/l	0.23	0.74	1	8260B		6/26/2014	CJR	1
Naphthalene	< 1.7	ug/l	1.7	5.5	1	8260B		6/26/2014	CJR	1
n-Propylbenzene	< 0.25	ug/l	0.25	0.81	1	8260B		6/26/2014	CJR	1
1,1,2,2-Tetrachloroethane	< 0.45	ug/l	0.45	1.4	1	8260B		6/26/2014	CJR	1
1,1,1,2-Tetrachloroethane	< 0.33	ug/l	0.33	1.1	1	8260B		6/26/2014	CJR	1
Tetrachloroethene	< 0.33	ug/l	0.33	1.1	1	8260B		6/26/2014	CJR	1
Toluene	< 0.69	ug/l	0.69	2.2	1	8260B		6/26/2014	CJR	1
1,2,4-Trichlorobenzene	< 0.98	ug/l	0.98	3.1	1	8260B		6/26/2014	CJR	1
1,2,3-Trichlorobenzene	< 1.8	ug/l	1.8	5.8	1	8260B		6/26/2014	CJR	1
1,1,1-Trichloroethane	< 0.33	ug/l	0.33	1	1	8260B		6/26/2014	CJR	1
1,1,2-Trichloroethane	< 0.34	ug/l	0.34	1.1	1	8260B		6/26/2014	CJR	1
Trichloroethene (TCE)	< 0.33	ug/l	0.33	1	1	8260B		6/26/2014	CJR	1
Trichlorofluoromethane	< 0.71	ug/l	0.71	2.3	1	8260B		6/26/2014	CJR	1
1,2,4-Trimethylbenzene	< 2.2	ug/l	2.2	6.9	1	8260B		6/26/2014	CJR	1
1,3,5-Trimethylbenzene	< 1.4	ug/l	1.4	4.5	1	8260B		6/26/2014	CJR	1
Vinyl Chloride	< 0.18	ug/l	0.18	0.57	1	8260B		6/26/2014	CJR	1

Project #

Lab Code 5027201D
 Sample ID MW-3
 Sample Matrix Water
 Sample Date 6/18/2014

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
m&p-Xylene	< 0.69	ug/l	0.69	2.2	1	8260B		6/26/2014	CJR	1
o-Xylene	< 0.63	ug/l	0.63		2	8260B		6/26/2014	CJR	1
SUR - 1,2-Dichloroethane-d4	97	REC %				8260B		6/26/2014	CJR	1
SUR - 4-Bromofluorobenzene	99	REC %				8260B		6/26/2014	CJR	1
SUR - Dibromofluoromethane	102	REC %				8260B		6/26/2014	CJR	1
SUR - Toluene-d8	101	REC %				8260B		6/26/2014	CJR	1
Wet Chemistry										
General										
Nitrite Plus Nitrate, Dissolved	6.21	mg/l	0.15	0.48	1	353.2		7/3/2014	MDK	1
Sulfate, Filtered	30.0	mg/l	1.89	6.01	1	ASTM D516-		6/24/2014	MDK	1

Project

Lab Code 5027201E

Sample ID MW-1

Sample Matrix Water

Sample Date 6/18/2014

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Inorganic										
Metals										
Iron, Dissolved	< 0.06	mg/l	0.06	0.21	1	200.7		7/7/2014	CWT	1
Lead, Dissolved	26.8	ug/L	0.7	2.5	1	7421		6/23/2014	CWT	1
Manganese, Dissolved	630	ug/L	4.8	15.4	1	200.7		7/7/2014	CWT	1
Organic										
VOC's										
Benzene	< 120	ug/l	120	385	500	8260B		7/1/2014	CJR	1
Bromobenzene	< 160	ug/l	160	500	500	8260B		7/1/2014	CJR	1
Bromodichloromethane	< 185	ug/l	185	600	500	8260B		7/1/2014	CJR	1
Bromoform	< 175	ug/l	175	550	500	8260B		7/1/2014	CJR	1
tert-Butylbenzene	< 180	ug/l	180	600	500	8260B		7/1/2014	CJR	1
sec-Butylbenzene	< 165	ug/l	165	500	500	8260B		7/1/2014	CJR	1
n-Butylbenzene	< 175	ug/l	175	550	500	8260B		7/1/2014	CJR	1
Carbon Tetrachloride	< 165	ug/l	165	550	500	8260B		7/1/2014	CJR	1
Chlorobenzene	< 120	ug/l	120	385	500	8260B		7/1/2014	CJR	1
Chloroethane	< 315	ug/l	315	1000	500	8260B		7/1/2014	CJR	1
Chloroform	< 140	ug/l	140	440	500	8260B		7/1/2014	CJR	1
Chloromethane	< 405	ug/l	405	1300	500	8260B		7/1/2014	CJR	1
2-Chlorotoluene	< 105	ug/l	105	330	500	8260B		7/1/2014	CJR	1
4-Chlorotoluene	< 105	ug/l	105	340	500	8260B		7/1/2014	CJR	1
1,2-Dibromo-3-chloropropane	< 440	ug/l	440	1400	500	8260B		7/1/2014	CJR	1
Dibromochloromethane	< 110	ug/l	110	350	500	8260B		7/1/2014	CJR	1
1,4-Dichlorobenzene	< 150	ug/l	150	480	500	8260B		7/1/2014	CJR	1
1,3-Dichlorobenzene	< 140	ug/l	140	445	500	8260B		7/1/2014	CJR	1
1,2-Dichlorobenzene	< 180	ug/l	180	600	500	8260B		7/1/2014	CJR	1
Dichlorodifluoromethane	< 220	ug/l	220	700	500	8260B		7/1/2014	CJR	1
1,2-Dichloroethane	< 205	ug/l	205	650	500	8260B		7/1/2014	CJR	1
1,1-Dichloroethane	< 150	ug/l	150	485	500	8260B		7/1/2014	CJR	1
1,1-Dichloroethene	< 200	ug/l	200	650	500	8260B		7/1/2014	CJR	1
cis-1,2-Dichloroethene	< 190	ug/l	190	600	500	8260B		7/1/2014	CJR	1
trans-1,2-Dichloroethene	< 175	ug/l	175	550	500	8260B		7/1/2014	CJR	1
1,2-Dichloropropane	< 160	ug/l	160	500	500	8260B		7/1/2014	CJR	1
2,2-Dichloropropane	< 180	ug/l	180	600	500	8260B		7/1/2014	CJR	8
1,3-Dichloropropane	< 165	ug/l	165	500	500	8260B		7/1/2014	CJR	1
Di-isopropyl ether	< 115	ug/l	115	365	500	8260B		7/1/2014	CJR	1
EDB (1,2-Dibromoethane)	< 220	ug/l	220	700	500	8260B		7/1/2014	CJR	1
Ethylbenzene	2390	ug/l	275	850	500	8260B		7/1/2014	CJR	1
Hexachlorobutadiene	< 750	ug/l	750	2400	500	8260B		7/1/2014	CJR	1
Isopropylbenzene	< 150	ug/l	150	480	500	8260B		7/1/2014	CJR	1
p-Isopropyltoluene	< 155	ug/l	155	490	500	8260B		7/1/2014	CJR	1
Methylene chloride	< 250	ug/l	250	800	500	8260B		7/1/2014	CJR	1
Methyl tert-butyl ether (MTBE)	< 115	ug/l	115	370	500	8260B		7/1/2014	CJR	1
Naphthalene	< 850	ug/l	850	2750	500	8260B		7/1/2014	CJR	1
n-Propylbenzene	170 "J"	ug/l	125	405	500	8260B		7/1/2014	CJR	1
1,1,2,2-Tetrachloroethane	< 225	ug/l	225	700	500	8260B		7/1/2014	CJR	1
1,1,1,2-Tetrachloroethane	< 165	ug/l	165	550	500	8260B		7/1/2014	CJR	1
Tetrachloroethene	< 165	ug/l	165	550	500	8260B		7/1/2014	CJR	1
Toluene	21400	ug/l	345	1100	500	8260B		7/1/2014	CJR	1
1,2,4-Trichlorobenzene	< 490	ug/l	490	1550	500	8260B		7/1/2014	CJR	1
1,2,3-Trichlorobenzene	< 900	ug/l	900	2900	500	8260B		7/1/2014	CJR	1
1,1,1-Trichloroethane	< 165	ug/l	165	500	500	8260B		7/1/2014	CJR	1
1,1,2-Trichloroethane	< 170	ug/l	170	550	500	8260B		7/1/2014	CJR	1
Trichloroethene (TCE)	< 165	ug/l	165	500	500	8260B		7/1/2014	CJR	1
Trichlorofluoromethane	< 355	ug/l	355	1150	500	8260B		7/1/2014	CJR	1
1,2,4-Trimethylbenzene	1840 "J"	ug/l	1100	3450	500	8260B		7/1/2014	CJR	1
1,3,5-Trimethylbenzene	< 700	ug/l	700	2250	500	8260B		7/1/2014	CJR	1
Vinyl Chloride	< 90	ug/l	90	285	500	8260B		7/1/2014	CJR	1

Project #

Lab Code 5027201E
 Sample ID MW-1
 Sample Matrix Water
 Sample Date 6/18/2014

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
m&p-Xylene	10700	ug/l	345	1100	500	8260B		7/1/2014	CJR	1
o-Xylene	5100	ug/l	315	1000	500	8260B		7/1/2014	CJR	1
SUR - Dibromofluoromethane	100	REC %			500	8260B		7/1/2014	CJR	1
SUR - Toluene-d8	96	REC %			500	8260B		7/1/2014	CJR	1
SUR - 4-Bromofluorobenzene	99	REC %			500	8260B		7/1/2014	CJR	1
SUR - 1,2-Dichloroethane-d4	96	REC %			500	8260B		7/1/2014	CJR	1
Wet Chemistry										
General										
Nitrite Plus Nitrate, Dissolved	11.5	mg/l	0.15	0.48	1	353.2		7/3/2014	MDK	1
Sulfate, Filtered	66.4	mg/l	3.78	12.02	2	ASTM D516-		6/24/2014	MDK	3

Project

Lab Code 5027201F

Sample ID TB

Sample Matrix Water

Sample Date 6/18/2014

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
VOC's										
Benzene	< 0.24	ug/l	0.24	0.77	1	8260B		6/26/2014	CJR	1
Bromobenzene	< 0.32	ug/l	0.32	1	1	8260B		6/26/2014	CJR	1
Bromodichloromethane	< 0.37	ug/l	0.37	1.2	1	8260B		6/26/2014	CJR	1
Bromoform	< 0.35	ug/l	0.35	1.1	1	8260B		6/26/2014	CJR	1
tert-Butylbenzene	< 0.36	ug/l	0.36	1.2	1	8260B		6/26/2014	CJR	1
sec-Butylbenzene	< 0.33	ug/l	0.33	1	1	8260B		6/26/2014	CJR	1
n-Butylbenzene	< 0.35	ug/l	0.35	1.1	1	8260B		6/26/2014	CJR	1
Carbon Tetrachloride	< 0.33	ug/l	0.33	1.1	1	8260B		6/26/2014	CJR	1
Chlorobenzene	< 0.24	ug/l	0.24	0.77	1	8260B		6/26/2014	CJR	1
Chloroethane	< 0.63	ug/l	0.63	2	1	8260B		6/26/2014	CJR	1
Chloroform	< 0.28	ug/l	0.28	0.88	1	8260B		6/26/2014	CJR	1
Chloromethane	< 0.81	ug/l	0.81	2.6	1	8260B		6/26/2014	CJR	1
2-Chlorotoluene	< 0.21	ug/l	0.21	0.66	1	8260B		6/26/2014	CJR	1
4-Chlorotoluene	< 0.21	ug/l	0.21	0.68	1	8260B		6/26/2014	CJR	1
1,2-Dibromo-3-chloropropane	< 0.88	ug/l	0.88	2.8	1	8260B		6/26/2014	CJR	1
Dibromochloromethane	< 0.22	ug/l	0.22	0.7	1	8260B		6/26/2014	CJR	1
1,4-Dichlorobenzene	< 0.3	ug/l	0.3	0.96	1	8260B		6/26/2014	CJR	1
1,3-Dichlorobenzene	< 0.28	ug/l	0.28	0.89	1	8260B		6/26/2014	CJR	1
1,2-Dichlorobenzene	< 0.36	ug/l	0.36	1.2	1	8260B		6/26/2014	CJR	1
Dichlorodifluoromethane	< 0.44	ug/l	0.44	1.4	1	8260B		6/26/2014	CJR	1
1,2-Dichloroethane	< 0.41	ug/l	0.41	1.3	1	8260B		6/26/2014	CJR	1
1,1-Dichloroethane	< 0.3	ug/l	0.3	0.97	1	8260B		6/26/2014	CJR	1
1,1-Dichloroethene	< 0.4	ug/l	0.4	1.3	1	8260B		6/26/2014	CJR	1
cis-1,2-Dichloroethene	< 0.38	ug/l	0.38	1.2	1	8260B		6/26/2014	CJR	1
trans-1,2-Dichloroethene	< 0.35	ug/l	0.35	1.1	1	8260B		6/26/2014	CJR	1
1,2-Dichloropropane	< 0.32	ug/l	0.32	1	1	8260B		6/26/2014	CJR	1
2,2-Dichloropropane	< 0.36	ug/l	0.36	1.2	1	8260B		6/26/2014	CJR	8
1,3-Dichloropropane	< 0.33	ug/l	0.33	1	1	8260B		6/26/2014	CJR	1
Di-isopropyl ether	< 0.23	ug/l	0.23	0.73	1	8260B		6/26/2014	CJR	1
EDB (1,2-Dibromoethane)	< 0.44	ug/l	0.44	1.4	1	8260B		6/26/2014	CJR	1
Ethylbenzene	< 0.55	ug/l	0.55	1.7	1	8260B		6/26/2014	CJR	1
Hexachlorobutadiene	< 1.5	ug/l	1.5	4.8	1	8260B		6/26/2014	CJR	1
Isopropylbenzene	< 0.3	ug/l	0.3	0.96	1	8260B		6/26/2014	CJR	1
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.98	1	8260B		6/26/2014	CJR	1
Methylene chloride	< 0.5	ug/l	0.5	1.6	1	8260B		6/26/2014	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.23	ug/l	0.23	0.74	1	8260B		6/26/2014	CJR	1
Naphthalene	< 1.7	ug/l	1.7	5.5	1	8260B		6/26/2014	CJR	1
n-Propylbenzene	< 0.25	ug/l	0.25	0.81	1	8260B		6/26/2014	CJR	1
1,1,2,2-Tetrachloroethane	< 0.45	ug/l	0.45	1.4	1	8260B		6/26/2014	CJR	1
1,1,1,2-Tetrachloroethane	< 0.33	ug/l	0.33	1.1	1	8260B		6/26/2014	CJR	1
Tetrachloroethene	< 0.33	ug/l	0.33	1.1	1	8260B		6/26/2014	CJR	1
Toluene	< 0.69	ug/l	0.69	2.2	1	8260B		6/26/2014	CJR	1
1,2,4-Trichlorobenzene	< 0.98	ug/l	0.98	3.1	1	8260B		6/26/2014	CJR	1
1,2,3-Trichlorobenzene	< 1.8	ug/l	1.8	5.8	1	8260B		6/26/2014	CJR	1
1,1,1-Trichloroethane	< 0.33	ug/l	0.33	1	1	8260B		6/26/2014	CJR	1
1,1,2-Trichloroethane	< 0.34	ug/l	0.34	1.1	1	8260B		6/26/2014	CJR	1
Trichloroethene (TCE)	< 0.33	ug/l	0.33	1	1	8260B		6/26/2014	CJR	1
Trichlorofluoromethane	< 0.71	ug/l	0.71	2.3	1	8260B		6/26/2014	CJR	1
1,2,4-Trimethylbenzene	< 2.2	ug/l	2.2	6.9	1	8260B		6/26/2014	CJR	1
1,3,5-Trimethylbenzene	< 1.4	ug/l	1.4	4.5	1	8260B		6/26/2014	CJR	1
Vinyl Chloride	< 0.18	ug/l	0.18	0.57	1	8260B		6/26/2014	CJR	1
m&p-Xylene	< 0.69	ug/l	0.69	2.2	1	8260B		6/26/2014	CJR	1
o-Xylene	< 0.63	ug/l	0.63	2	1	8260B		6/26/2014	CJR	1
SUR - Toluene-d8	97	REC %			1	8260B		6/26/2014	CJR	1
SUR - 1,2-Dichloroethane-d4	103	REC %			1	8260B		6/26/2014	CJR	1
SUR - 4-Bromofluorobenzene	101	REC %			1	8260B		6/26/2014	CJR	1
SUR - Dibromofluoromethane	96	REC %			1	8260B		6/26/2014	CJR	1

Project Name Y GO BY TAVERN
Project #

Invoice # E27201

"J" Flag: Analyte detected between LOD and LOQ

LOD Limit of Detection

LOQ Limit of Quantitation

Code *Comment*

1	Laboratory QC within limits.
3	The matrix spike not within established limits.
8	Closing calibration standard not within established limits.
	CWT denotes sub contract lab - Certification #445126660

All solid sample results reported on a dry weight basis unless otherwise indicated. All LOD's and LOQ's are adjusted for dilutions but not dry weight. Subcontracted results are denoted by SUB in the analyst field.

Authorized Signature

Michael Ricker

Environmental Lab, Inc.

1990 Prospect Ct. • Appleton, WI 54914
920-830-2455 • FAX 920-733-0631

Sample Handling Request

Rush Analysis Date Required _____
(Rushes accepted only with prior authorization)

Normal Turn Around

Lab I.D. # _____
Account No. _____ Quote No.: _____
Project #: _____
Sampler: (signature) *[Signature]*

Project (Name / Location): *Y Go By Tavern - Clintonville*
Reports To: *Arland Dillenburg* Invoice To: *Arland Dillenburg c/o METCO*
Company: _____ Company: *METCO*
Address: *N4821 Hwy 22 South* Address: *709 Gillette St, Ste 3*
City State Zip: *Shawano, WI 54166* City State Zip: *La Crosse, WI 54603*
Phone: _____ Phone: _____
FAX: _____ FAX: _____

Analysis Requested										Other Analysis					
DRO (Mod DRO Sep 95)	GRO (Mod GRO Sep 95)	LEAD (Dissolved)	NITRATE/NITRITE	OIL & GREASE	PAH (EPA 8270)	PVOC (EPA 8021)	PVOC + NAPHTHALENE	SULFATE	TOTAL SUSPENDED SOLIDS	VOC DW (EPA 542.2)	VOC (EPA 8260)	8-PCRA METALS	Dissolved Iron	Dissolved Manganese	PID/ FD
		X	X					X	X	X		X	X		
		X	X					X	X	X		X	X		
		X	X					X	X	X		X	X		
		X	X					X	X	X		X	X		
									X	X					

Lab I.D.	Sample I.D.	Collection Date	Time	Comp	Grab	Filtered Y/N	No. of Containers	Sample Type (Matrix)*	Preservation
<i>502-Bio-A</i>	<i>N3215 PW</i>	<i>6-18</i>	<i>1215</i>			<i>Y</i>	<i>4</i>	<i>DW</i>	
<i>B</i>	<i>MW-2</i>	<i> </i>	<i>1240</i>			<i> </i>	<i>6</i>	<i>GW</i>	
<i>C</i>	<i>MW-4</i>	<i> </i>	<i>105</i>			<i> </i>	<i> </i>	<i> </i>	
<i>D</i>	<i>MW-3</i>	<i> </i>	<i>125</i>			<i> </i>	<i> </i>	<i> </i>	
<i>E</i>	<i>MW-1</i>	<i> </i>	<i>150</i>			<i> </i>	<i> </i>	<i> </i>	
<i>F</i>	<i>TB</i>						<i>1</i>		

Comments/Special Instructions (*Specify groundwater "GW", Drinking Water "DW", Waste Water "WW", Soil "S", Air "A", Oil, Sludge etc.)

*Lab to send copy of report to METCO/Jason P. (invoice to METCO) * Agent Status
W+C Rates Apply, TB can be charged at VOC (8260) rate*

Sample Integrity - To be completed by receiving lab.
Method of Shipment: *Pushman*
Temp. of Temp. Blank *4* °C On Ice
Cooler seal intact upon receipt: Yes No

Relinquished By: (sign) *[Signature]* Time: *10:15* Date: *6-20-14*
Received By: (sign) _____ Time: _____ Date: _____
Received in Laboratory By: *[Signature]* Time: *10:00* Date: *6/21/14*

Synergy Environmental Lab,

1990 Prospect Ct., Appleton, WI 54914 *P 920-830-2455 * F 920-733-0631

ARLAND DILLENBURG
ARLAND DILLENBURG
142 S. FRANKLIN ST.
SHAWANO, WI 54116

Report Date 03-Oct-14

Project Name Y GO BY TAVERN
Project #

Invoice # E27730

Lab Code 5027730A
Sample ID MW-2
Sample Matrix Water
Sample Date 9/18/2014

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	< 0.27	ug/l	0.27	0.85	1	GRO95/8021		10/2/2014	CJR	1
Ethylbenzene	< 0.82	ug/l	0.82	2.6	1	GRO95/8021		10/2/2014	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.37	ug/l	0.37	1.2	1	GRO95/8021		10/2/2014	CJR	1
Naphthalene	< 1.2	ug/l	1.2	3.8	1	GRO95/8021		10/2/2014	CJR	1
Toluene	< 0.8	ug/l	0.8	2.6	1	GRO95/8021		10/2/2014	CJR	1
1,2,4-Trimethylbenzene	< 0.83	ug/l	0.83	2.6	1	GRO95/8021		10/2/2014	CJR	1
1,3,5-Trimethylbenzene	< 0.86	ug/l	0.86	2.7	1	GRO95/8021		10/2/2014	CJR	1
m&p-Xylene	< 1.6	ug/l	1.6	5.2	1	GRO95/8021		10/2/2014	CJR	1
o-Xylene	< 0.81	ug/l	0.81	2.6	1	GRO95/8021		10/2/2014	CJR	1

Lab Code 5027730B
Sample ID MW-4
Sample Matrix Water
Sample Date 9/18/2014

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	< 0.27	ug/l	0.27	0.85	1	GRO95/8021		10/2/2014	CJR	1
Ethylbenzene	< 0.82	ug/l	0.82	2.6	1	GRO95/8021		10/2/2014	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.37	ug/l	0.37	1.2	1	GRO95/8021		10/2/2014	CJR	1
Naphthalene	< 1.2	ug/l	1.2	3.8	1	GRO95/8021		10/2/2014	CJR	1
Toluene	< 0.8	ug/l	0.8	2.6	1	GRO95/8021		10/2/2014	CJR	1
1,2,4-Trimethylbenzene	< 0.83	ug/l	0.83	2.6	1	GRO95/8021		10/2/2014	CJR	1
1,3,5-Trimethylbenzene	< 0.86	ug/l	0.86	2.7	1	GRO95/8021		10/2/2014	CJR	1
m&p-Xylene	< 1.6	ug/l	1.6	5.2	1	GRO95/8021		10/2/2014	CJR	1
o-Xylene	< 0.81	ug/l	0.81	2.6	1	GRO95/8021		10/2/2014	CJR	1

Project #

Lab Code 5027730C
 Sample ID MW-3
 Sample Matrix Water
 Sample Date 9/18/2014

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	< 0.27	ug/l	0.27	0.85	1	GRO95/8021		10/2/2014	CJR	1
Ethylbenzene	< 0.82	ug/l	0.82	2.6	1	GRO95/8021		10/2/2014	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.37	ug/l	0.37	1.2	1	GRO95/8021		10/2/2014	CJR	1
Naphthalene	< 1.2	ug/l	1.2	3.8	1	GRO95/8021		10/2/2014	CJR	1
Toluene	< 0.8	ug/l	0.8	2.6	1	GRO95/8021		10/2/2014	CJR	1
1,2,4-Trimethylbenzene	< 0.83	ug/l	0.83	2.6	1	GRO95/8021		10/2/2014	CJR	1
1,3,5-Trimethylbenzene	< 0.86	ug/l	0.86	2.7	1	GRO95/8021		10/2/2014	CJR	1
m&p-Xylene	< 1.6	ug/l	1.6	5.2	1	GRO95/8021		10/2/2014	CJR	1
o-Xylene	< 0.81	ug/l	0.81	2.6	1	GRO95/8021		10/2/2014	CJR	1

Lab Code 5027730D
 Sample ID MW-1
 Sample Matrix Water
 Sample Date 9/18/2014

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	< 135	ug/l	135	425	500	GRO95/8021		10/2/2014	CJR	1
Ethylbenzene	3060	ug/l	410	1300	500	GRO95/8021		10/2/2014	CJR	1
Methyl tert-butyl ether (MTBE)	< 185	ug/l	185	600	500	GRO95/8021		10/2/2014	CJR	1
Naphthalene	840 "J"	ug/l	600	1900	500	GRO95/8021		10/2/2014	CJR	1
Toluene	25800	ug/l	400	1300	500	GRO95/8021		10/2/2014	CJR	1
1,2,4-Trimethylbenzene	2320	ug/l	415	1300	500	GRO95/8021		10/2/2014	CJR	1
1,3,5-Trimethylbenzene	860 "J"	ug/l	430	1350	500	GRO95/8021		10/2/2014	CJR	1
m&p-Xylene	12400	ug/l	800	2600	500	GRO95/8021		10/2/2014	CJR	1
o-Xylene	5700	ug/l	405	1300	500	GRO95/8021		10/2/2014	CJR	1

Project

Lab Code 5027730E
 Sample ID N 3215 PW
 Sample Matrix Drinking Water
 Sample Date 9/18/2014

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
VOC's										
Benzene	< 0.24	ug/l	0.24	0.77	1	524.2		10/2/2014	CJR	1
Bromobenzene	< 0.33	ug/l	0.33	1	1	524.2		10/2/2014	CJR	1
Bromodichloromethane	< 0.27	ug/l	0.27	0.85	1	524.2		10/2/2014	CJR	1
Bromoform	< 0.34	ug/l	0.34	1.1	1	524.2		10/2/2014	CJR	1
Bromomethane	< 0.98	ug/l	0.98	3.1	1	524.2		10/2/2014	CJR	1
Carbon Tetrachloride	< 0.25	ug/l	0.25	0.81	1	524.2		10/2/2014	CJR	1
Chlorobenzene	< 0.24	ug/l	0.24	0.77	1	524.2		10/2/2014	CJR	1
Chloroethane	< 0.62	ug/l	0.62	2	1	524.2		10/2/2014	CJR	1
Chloroform	< 0.28	ug/l	0.28	0.88	1	524.2		10/2/2014	CJR	1
Chloromethane	< 0.81	ug/l	0.81	2.6	1	524.2		10/2/2014	CJR	1
2-Chlorotoluene	< 0.35	ug/l	0.35	1.1	1	524.2		10/2/2014	CJR	1
4-Chlorotoluene	< 0.29	ug/l	0.29	0.91	1	524.2		10/2/2014	CJR	1
Dibromochloromethane	< 0.2	ug/l	0.2	0.64	1	524.2		10/2/2014	CJR	1
Dibromomethane	< 0.41	ug/l	0.41	1.3	1	524.2		10/2/2014	CJR	1
1,4-Dichlorobenzene	< 0.25	ug/l	0.25	0.8	1	524.2		10/2/2014	CJR	1
1,3-Dichlorobenzene	< 0.3	ug/l	0.3	0.96	1	524.2		10/2/2014	CJR	1
1,2-Dichlorobenzene	< 0.28	ug/l	0.28	0.88	1	524.2		10/2/2014	CJR	1
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.85	1	524.2		10/2/2014	CJR	1
1,2-Dichloroethane	< 0.41	ug/l	0.41	1.3	1	524.2		10/2/2014	CJR	1
1,1-Dichloroethane	< 0.3	ug/l	0.3	0.97	1	524.2		10/2/2014	CJR	1
1,1-Dichloroethene	< 0.31	ug/l	0.31	0.99	1	524.2		10/2/2014	CJR	1
cis-1,2-Dichloroethene	< 0.32	ug/l	0.32	1	1	524.2		10/2/2014	CJR	1
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.8	1	524.2		10/2/2014	CJR	1
1,2-Dichloropropane	< 0.32	ug/l	0.32	1	1	524.2		10/2/2014	CJR	1
2,2-Dichloropropane	< 0.45	ug/l	0.45	1.4	1	524.2		10/2/2014	CJR	1
1,3-Dichloropropane	< 0.26	ug/l	0.26	0.82	1	524.2		10/2/2014	CJR	1
trans-1,3-Dichloropropene	< 0.22	ug/l	0.22	0.69	1	524.2		10/2/2014	CJR	1
cis-1,3-Dichloropropene	< 0.2	ug/l	0.2	0.63	1	524.2		10/2/2014	CJR	1
1,1-Dichloropropene	< 0.34	ug/l	0.34	1.1	1	524.2		10/2/2014	CJR	1
Ethylbenzene	< 0.27	ug/l	0.27	0.86	1	524.2		10/2/2014	CJR	1
Hexachlorobutadiene	< 0.48	ug/l	0.48	1.5	1	524.2		10/2/2014	CJR	1
Isopropylbenzene	< 0.3	ug/l	0.3	0.96	1	524.2		10/2/2014	CJR	1
p-Isopropyltoluene	< 0.3	ug/l	0.3	0.94	1	524.2		10/2/2014	CJR	1
Methylene chloride	< 0.35	ug/l	0.35	1.1	1	524.2		10/2/2014	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.26	ug/l	0.26	0.82	1	524.2		10/2/2014	CJR	1
Naphthalene	< 0.49	ug/l	0.49	1.6	1	524.2		10/2/2014	CJR	1
Styrene	< 0.23	ug/l	0.23	0.72	1	524.2		10/2/2014	CJR	1
1,1,2,2-Tetrachloroethane	< 0.45	ug/l	0.45	1.4	1	524.2		10/2/2014	CJR	1
1,1,1,2-Tetrachloroethane	< 0.29	ug/l	0.29	0.91	1	524.2		10/2/2014	CJR	1
Tetrachloroethene	< 0.27	ug/l	0.27	0.85	1	524.2		10/2/2014	CJR	1
Toluene	< 0.24	ug/l	0.24	0.75	1	524.2		10/2/2014	CJR	1
1,2,4-Trichlorobenzene	< 0.24	ug/l	0.24	0.76	1	524.2		10/2/2014	CJR	1
1,1,1-Trichloroethane	< 0.33	ug/l	0.33	1	1	524.2		10/2/2014	CJR	1
1,1,2-Trichloroethane	< 0.34	ug/l	0.34	1.1	1	524.2		10/2/2014	CJR	1
Trichloroethene (TCE)	< 0.3	ug/l	0.3	0.96	1	524.2		10/2/2014	CJR	1
Trichlorofluoromethane	< 0.26	ug/l	0.26	0.84	1	524.2		10/2/2014	CJR	1
1,2,3-Trichloropropane	< 0.91	ug/l	0.91	2.9	1	524.2		10/2/2014	CJR	1
Trichlorotrifluoroethane	< 0.41	ug/l	0.41	1.3	1	524.2		10/2/2014	CJR	1
1,2,4-Trimethylbenzene	< 0.31	ug/l	0.31	0.98	1	524.2		10/2/2014	CJR	1
1,3,5-Trimethylbenzene	< 0.26	ug/l	0.26	0.83	1	524.2		10/2/2014	CJR	1
Vinyl Chloride	< 0.18	ug/l	0.18	0.57	1	524.2		10/2/2014	CJR	1
m&p-Xylene	< 0.69	ug/l	0.69	2.2	1	524.2		10/2/2014	CJR	1
o-Xylene	< 0.25	ug/l	0.25	0.79	1	524.2		10/2/2014	CJR	1

Project #

Lab Code 5027730F
 Sample ID TB
 Sample Matrix Water
 Sample Date 9/18/2014

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	< 0.27	ug/l	0.27	0.85	1	GRO95/8021		10/2/2014	CJR	1
Ethylbenzene	< 0.82	ug/l	0.82	2.6	1	GRO95/8021		10/2/2014	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.37	ug/l	0.37	1.2	1	GRO95/8021		10/2/2014	CJR	1
Naphthalene	< 1.2	ug/l	1.2	3.8	1	GRO95/8021		10/2/2014	CJR	1
Toluene	< 0.8	ug/l	0.8	2.6	1	GRO95/8021		10/2/2014	CJR	1
1,2,4-Trimethylbenzene	< 0.83	ug/l	0.83	2.6	1	GRO95/8021		10/2/2014	CJR	1
1,3,5-Trimethylbenzene	< 0.86	ug/l	0.86	2.7	1	GRO95/8021		10/2/2014	CJR	1
m&p-Xylene	< 1.6	ug/l	1.6	5.2	1	GRO95/8021		10/2/2014	CJR	1
o-Xylene	< 0.81	ug/l	0.81	2.6	1	GRO95/8021		10/2/2014	CJR	1

"J" Flag: Analyte detected between LOD and LOQ

LOD Limit of Detection

LOQ Limit of Quantitation

Code Comment

1 Laboratory QC within limits.

All solid sample results reported on a dry weight basis unless otherwise indicated. All LOD's and LOQ's are adjusted for dilutions but not dry weight. Subcontracted results are denoted by SUB in the analyst field.

Authorized Signature

Michael Ricker

CHAIN OF CUSTODY RECORD

Synergy

Chain # N2 275

Page 1 of 1

Environmental Lab, Inc.

1990 Prospect Ct. • Appleton, WI 54914
920-830-2455 • FAX 920-733-0631

Sample Handling Request

Rush Analysis Date Required
(Rushes accepted only with prior authorization)

Normal Turn Around

Lab I.D. # _____
Account No. _____ Quote No. _____
Project # _____
Sampler: (signature) Jon Jensen

Project (Name / Location): Y Go By Tavern - Clintonville
Reports To: Arland Dilleburg Invoice To: Arland Dilleburg c/o METCO
Company: _____ Company: METCO
Address: N4821 Hwy 22 South Address: 709 Gillette St. Ste. 3
City State Zip: Shawano, WI 54166 City State Zip: La Crosse, WI 54603
Phone: _____ Phone: _____
FAX: _____ FAX: _____

Analysis Requested										Other Analysis										
DRG (Mod DRG Sep 95)	GRO (Mod GRO Sep 95)	LEAD	NITRATE/NITRITE	OIL & GREASE	PAH (EPA 8270)	PCB	PVOC (EPA 8021)	PVOC + NAPHTHALENE	SULFATE	TOTAL SUSPENDED SOLIDS	VOC DW (EPA 542.2)	VOC (EPA 8260)	8-FCRA METALS	Other Analysis						PID/FID
								X												
								X												
								X												
								X												
										X										

Lab I.D.	Sample I.D.	Collection Date	Time	Comp	Grah	Filtered Y/N	No of Containers	Sample Type (Matrix)*	Preservation
<u>SO2 FIBOH</u>	<u>MW-2</u>	<u>9-19</u>	<u>1140</u>			<u>N</u>	<u>3</u>	<u>GW</u>	
<u>B</u>	<u>MW-4</u>		<u>1200</u>						
<u>C</u>	<u>MW-3</u>		<u>1215</u>						
<u>D</u>	<u>MW-1</u>		<u>1210</u>						
<u>E</u>	<u>N3215 PW</u>		<u>1225</u>					<u>DW</u>	
<u>F</u>	<u>TB</u>								

Comments/Special Instructions (*Specify groundwater "GW", Drinking Water "DW", Waste Water "WW", Soil "S", Air "A", Oil, Sludge etc.)
Lab to send copy of report to METCO (Jason P. Lincoln to METCO) + Agent status
UTC Rates Apply, TB can be charged at the PVOC + Naphthalene rate

Sample Integrity - To be completed by receiving lab.
Method of Shipment: Refrigerated
Temp. of Temp. Blank: _____ °C On Ice:
Cooler seal intact upon receipt: Yes No

Relinquished By: (sign) Jon Jensen Time: 8:30 Date: 9-19-14
Received in Laboratory By: [Signature] Time: 10:00 Date: 9/20/14

**Site Investigation Report - METCO
Y Go By Tavern**

APPENDIX C/ WELL AND BOREHOLE DOCUMENTATION

Facility Name Y Go By Tavern		Facility ID Number		License, Permit or Monitoring No.		Date 12/18/2014		Completed By (Name and Firm) J. Jensen/METCO														
WI Unique Well No.	Well Name	DNR Well ID Number	Well Location	Dir.		Date Established	Well Casing		Elevations		Reference		Depths			Screen Length	Well Type	Well Status	Enf. Stds.	Grad-ient	Distance to Waste	
				N	S		Diam.	Type	Top of Well Casing	Ground Surface	MSL (√)	Site Datum (√)	Screen Top	Initial Groundwater	Well Depth							
VO526	MW-1		243758.47	X		4/14/2014	2	P	837.39	837.72	X		10	13.58	20	10	11/mw	A	X	D		
			842453.42	X																		
VO527	MW-2		243726.75	X		4/14/2014	2	P	837.3	837.56	X		10	13.61	20	10	11/mw	A	X	D	38	
			842484.9	X																		
VO528	MW-3		273796.79	X		4/14/2014	2	P	837.45	837.8	X		10	13.52	20	10	11/mw	A	X	U	21	
			842461.73	X																		
VO529	MW-4		243713.14	X		4/14/2014	2	P	836.65	836.91	X		10	12.91	20	10	11/mw	A	X	D	68	
			842391.05	X																		

Location Coordinates Are:
 State Plane Coordinate Local Grid System
 Northern
 Central
 Southern

Grid Origin Location: (Check if estimated:)

Lat. 44 ° 42 ' 17 " Long. 88 ° 40 ' 37 " or
 St. Plane _____ ft. N. _____ ft. E. S/C/N Zone _____

Remarks: _____

Completion of this form is mandatory under s. NR 507.14 and NR 110.25 Wis. Adm. Code. Failure to file this form may result in forfeiture of not less than \$10 nor more than \$5,000 for each day of violation. Personally identifiable information provided is intended to be used by the Department for the purposes related to the waste management program.

Route To: _____ Watershed / Wastewater: _____ Waste Management: _____
Remediation / Redevelopment: **X** Other: _____ Page 1 of 1

Facility / Project Name		License / Permit / Monitoring Number		Boring Number
Y Go By				G-1
Boring Drilled By: Name of crew chief (first, last) and Firm		Drilling Date Started	Drilling Date Completed	Drilling Method
First: Darin	Last:	04/29/13	04/29/13	Geoprobe
Firm: Geiss		MM/ DD/ YYYY	MM /DD/ YYYY	
WI Unique Well No.	DNR Well ID No.	Well Name	Final Static Water Level	Surface Elevation
			Feet MSL	Borehole Diameter
				2 inches
Local Grid Origin (estimated X) or Boring Location			Local Grid Location	
State Plane	N, E	Lat 44° 42' 16.9"	N E	
NE¼ of NW¼ of Section 28, T 26 N, R 15 E		Long 88° 40' 36.5"	Feet S Feet W	
Facility ID	County	County Code	Civil Town / City / Village	
	Shawano	59	Belle Plaine	





Sample				Soil Properties										
Number & Type	Length Att. & Recovered (in)	Blow Counts	Depth in Feet (below ground surface)	Soil / Rock Description And Geologic Origin For Each Major Unit	U S C S	Graphic Log	Well Diagram	PID / FID	Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD / Comments
G-1-1 (0-4 feet)	36		2											
			4	Tan to red sandy clay	CL			0		M				No Petro Odor
G-1-2 (4-8 feet)	42		6	4'-6" tan to red sandy clay	CL									
			8	6'-8' Tan very fine grained sand	SP			0		M			No Petro Odor	
G-1-3 (8-12 feet)	42		10											
			12	Tan very fine grained sand	SP			0		M			No Petro Odor	
G-1-4 (12-16 feet) G-1-W (11-16 feet)	48		14											
			16	Tan very fine grained sand	SP			300		M/W				Petro Odor from 14-16 feet
			18	EOB 16 Feet. Groundwater sample G-1-W collected. Borehole Abandoned.										
			20											
			22											
			24											

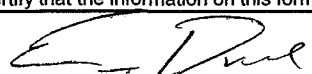
I hereby certify that the information on this form is true and correct to the best of my knowledge
Signature: Firm: **METCO**

This form is authorized by Chapters 281, 283, 289, 291, 292, 293, 295 and 299, Wis. Stats. Completion of this form is mandatory. Failure to file this form may result in forfeiture of between \$10 and \$25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. NOTE: See instructions for more information, including where the completed form should be sent.

Route To: _____ Watershed / Wastewater: _____ Waste Management: _____
Remediation / Redevelopment: **X** Other: _____

Facility / Project Name		License / Permit / Monitoring Number		Boring Number
Y Go By				G-2
Boring Drilled By: Name of crew chief (first, last) and Firm		Drilling Date Started	Drilling Date Completed	Drilling Method
First: Darrin	Last:	04/29/13	04/29/13	Geoprobe
Firm: Geiss		MM/DD/YYYY	MM/DD/YYYY	
WI Unique Well No.	DNR Well ID No.	Well Name	Final Static Water Level	Surface Elevation
			Feet MSL	Borehole Diameter
Local Grid Origin (estimated X) or Boring Location			Local Grid Location	
State Plane	N, E	Lat 44° 42' 16.9"	N E	
NE¼ of NW¼ of Section 28, T 26 N, R 15 E		Long 88° 40' 36.5"	Feet S Feet W	
Facility ID	County	County Code	Civil Town / City / Village	
	Shawano	59	Belle Plaine	





Sample				Soil Properties										
Number & Type	Length Att. & Recovered (in)	Blow Counts	Depth in Feet (below ground surface)	Soil / Rock Description And Geologic Origin For Each Major Unit	U S C S	Graphic Log	Well Diagram	PID / FID	Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD / Comments
G-2-1 (0-4 feet)	12		2 4	Tan sand and gravel (Fill)	FILL			0		M				No Petro Odor
G-2-2 (4-8 feet)	24		8 10	Brown sand and gravel (Fill)	FILL			0		M				No Petro Odor
G-2-3 (8-12 feet)	12		12 14	Brown sand and gravel (Fill)	FILL			0		M				No Petro Odor
G-2-4 (12-16 feet) G-2-W (11-16 feet)	36		16 18 20 22 24	Tan very fine grained sand EOB 16 Feet. Groundwater sample G-2-W collected. Borehole Abandoned.	SP			350		MW				Petro Odor from 13-16 feet

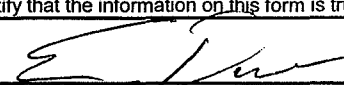
I hereby certify that the information on this form is true and correct to the best of my knowledge
Signature:  Firm: **METCO**

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Route To: Watershed / Wastewater: Waste Management: Other: _____
Remediation / Redevelopment: **X** Page 1 of 1

Facility / Project Name		License / Permit / Monitoring Number		Boring Number
Y Go By				G-3
Boring Drilled By: Name of crew chief (first, last) and Firm		Drilling Date Started	Drilling Date Completed	Drilling Method
First: Darrin	Last:	04/29/13	04/29/13	Geoprobe
Firm: Geiss		MM/DD/YYYY	MM/DD/YYYY	
WI Unique Well No.	DNR Well ID No.	Well Name	Final Static Water Level	Surface Elevation
			Feet MSL	Borehole Diameter
Local Grid Origin (estimated X) or Boring Location			Local Grid Location	
State Plane	N, E	Lat 44° 42' 16.9"	N E	
NE¼ of NW¼ of Section 28, T 26 N, R 15 E		Long 88° 40' 36.5"	Feet S Feet W	
Facility ID	County	County Code	Civil Town / City / Village	
	Shawano	59	Belle Plaine	





Sample				Soil Properties										
Number & Type	Length Att. & Recovered (in)	Blow Counts	Depth in Feet (below ground surface)	Soil / Rock Description And Geologic Origin For Each Major Unit	U S C S	Graphic Log	Well Diagram	PID / FID	Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD / Comments
G-3-1 (0-4 feet)	42		2 4	Red sandy clay	CL			0		M				No Petro Odor
G-3-2 (4-8 feet)	42		6 8	4'-7.5' Rad sandy clay 7.5'-8' Tan very fine grained sand	CL SP			0		M				No Petro Odor
G-3-3 (8-12 feet)	42		10 12	Tan very fine grained sand	SP			0		M				No Petro Odor
G-3-4 (12-16 feet) G-3-W (11-16 feet)	48		14 16	Tan very fine grained sand EOB 16 Feet. Groundwater sample G-3-W collected. Borehole Abandoned.	SP			0		MW				No Petro Odor

I hereby certify that the information on this form is true and correct to the best of my knowledge
Signature:  Firm: **METCO**

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Route To: _____ Watershed / Wastewater: _____ Waste Management: _____
Remediation / Redevelopment: **X** Other: _____ Page 1 of 1

Facility / Project Name		License / Permit / Monitoring Number		Boring Number
Y Go By				G-4
Boring Drilled By: Name of crew chief (first, last) and Firm		Drilling Date Started	Drilling Date Completed	Drilling Method
First: Darrin	Last:	04/29/13	04/29/13	Geoprobe
Firm: Geiss		MM/DD/YYYY	MM/DD/YYYY	
WI Unique Well No.	DNR Well ID No.	Well Name	Final Static Water Level	Surface Elevation
			Feet MSL	Borehole Diameter
Local Grid Origin (estimated X) or Boring Location			Local Grid Location	
State Plane	N, E	Lat 44° 42' 16.9"	N E	
NE¼ of NW¼ of Section 28, T 26 N, R 15 E		Long 88° 40' 36.5"	Feet S Feet W	
Facility ID	County	County Code	Civil Town / City / Village	
	Shawano	59	Belle Plaine	

Number & Type	Length Att. & Recovered (in)	Blow Counts	Depth in Feet (below ground surface)	Soil / Rock Description And Geologic Origin For Each Major Unit	U S C S	Graphic Log	Well Diagram	Soil Properties						P 200	RQD / Comments
								PID / FID	Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index			
G-4-1 (0-4 feet)	36		2 4	Red sandy clay	CL			0		M					No Petro Odor
G-4-2 (4-8 feet)	48		8	4'-7.5' Red sandy clay 7.5'-8' Tan very fine grained sand	CL SP			0		M					No Petro Odor
G-4-3 (8-12 feet)	48		12	Tan very fine grained sand	SP			0		M					No Petro Odor
G-4-4 (12-16 feet) G-4-W (11-16 feet)	48		16	Tan very fine grained sand EOB 16 Feet. Groundwater sample G-4-W collected. Borehole Abandoned.	SP			0		MW					No Petro Odor

I hereby certify that the information on this form is true and correct to the best of my knowledge

Signature: 

Firm: **METCO**

Route To: _____ Watershed / Wastewater: _____ Waste Management: _____
 Remediation / Redevelopment: **X** Other: _____ Page 1 of 1

Facility / Project Name		License / Permit / Monitoring Number		Boring Number
Y Go By				G-5
Boring Drilled By: Name of crew chief (first, last) and Firm		Drilling Date Started	Drilling Date Completed	Drilling Method
First: Darin	Last:	04/29/13	04/29/13	Geoprobe
Firm: Geiss		MM/DD/YYYY	MM/DD/YYYY	
WI Unique Well No.	DNR Well ID No.	Well Name	Final Static Water Level	Surface Elevation
			Feet MSL	Borehole Diameter
				2 inches
Local Grid Origin (estimated X) or Boring Location			Local Grid Location	
State Plane	N, E	Lat 44° 42' 16.9"	N E	
NE¼ of NW¼ of Section 28, T26 N, R 15 E		Long 88° 40' 36.5"	Feet S Feet W	
Facility ID	County	County Code	Civil Town / City / Village	
	Shawano	59	Belle Plaine	

Number & Type	Length Att. & Recovered (in)	Blow Counts	Depth in Feet (below ground surface)	Soil / Rock Description And Geologic Origin For Each Major Unit	U S C S	Graphic Log	Well Diagram	Soil Properties						RQD / Comments
								PID / FID	Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	
G-5-1 (0-4 feet)	6		2 4	Brown sand and gravel	FILL			0		M				No Petro Odor
G-5-2 (4-8 feet)	36		6 8	Red sandy clay	CL			0		M				No Petro Odor
G-5-3 (8-12 feet)	42		10 12	Tan very fine grained sand	SP			0		M				No Petro Odor
G-5-4 (12-16 feet) G-5-W (11-16 feet)	48		14 16	Tan very fine grained sand EOB 16 Feet. Groundwater sample G-5-W collected. Borehole Abandoned.	SP			0		MW				No Petro Odor

I hereby certify that the information on this form is true and correct to the best of my knowledge
 Signature: Firm: **METCO**

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Route To: Watershed / Wastewater: Waste Management:
Remediation / Redevelopment: **X** Other:

Facility / Project Name		License / Permit / Monitoring Number		Boring Number
Y Go By				G-6
Boring Drilled By: Name of crew chief (first, last) and Firm		Drilling Date Started	Drilling Date Completed	Drilling Method
First: Darrin	Last:	04/29/13	04/29/13	Geoprobe
Firm: Geiss		MM/DD/YYYY	MM/DD/YYYY	
WI Unique Well No.	DNR Well ID No.	Well Name	Final Static Water Level	Surface Elevation
			Feet MSL	Borehole Diameter
Local Grid Origin (estimated X) or Boring Location			Local Grid Location	
State Plane	N, E	Lat 44° 42' 16.9"	N E	
NE¼ of NW¼ of Section 28, T 26 N, R 15 E		Long 88° 40' 36.5"	Feet S Feet W	
Facility ID	County	County Code	Civil Town / City / Village	
	Shawano	59	Belle Plaine	

Sample				Soil Properties										
Number & Type	Length Att. & Recovered (in)	Blow Counts	Depth in Feet (below ground surface)	Soil / Rock Description And Geologic Origin For Each Major Unit	U S C S	Graphic Log	Well Diagram	PID / FID	Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD / Comments
G-6-1 (0-4 feet)	36		2 4	Red sandy clay	CL			0		M				No Petro Odor
G-6-2 (4-8 feet)	42		6 8	4'-7.5' Red sandy clay 7.5'-8' Tan very fine grained sand	CL SP			0		M				No Petro Odor
G-6-3 (8-12 feet)	48		10 12	Tan very fine grained sand	SP			0		M				No Petro Odor
G-6-4 (12-16 feet) G-6-W (11-16 feet)	48		14 16	Tan very fine grained sand EOB 16 Feet. Groundwater sample G-6-W collected. Borehole Abandoned.	SP			0		MW				No Petro Odor

I hereby certify that the information on this form is true and correct to the best of my knowledge

Signature:

Firm: **METCO**

Route To: Watershed / Wastewater: Waste Management: _____
Remediation / Redevelopment: **X** Other: _____
Page 1 of 1

Facility / Project Name		License / Permit / Monitoring Number		Boring Number
Y Go By				G-7
Boring Drilled By: Name of crew chief (first, last) and Firm		Drilling Date Started	Drilling Date Completed	Drilling Method
First: Darrin	Last:	04/29/13	04/29/13	Geoprobe
Firm: Geiss		MM/DD/YYYY	MM/DD/YYYY	
WI Unique Well No.	DNR Well ID No.	Well Name	Final Static Water Level	Surface Elevation
			Feet MSL	Borehole Diameter
Local Grid Origin (estimated X) or Boring Location			Local Grid Location	
State Plane	N, E	Lat 44° 42' 16.9"	N E	
NE¼ of NW¼ of Section 28, T 26 N, R 15 E		Long 88° 40' 36.5"	Feet S Feet W	
Facility ID	County	County Code	Civil Town / City / Village	
	Shawano	59	Belle Plaine	




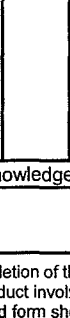
Sample				Soil Properties										
Number & Type	Length Att. & Recovered (in)	Blow Counts	Depth in Feet (below ground surface)	Soil / Rock Description And Geologic Origin For Each Major Unit	U S C S	Graphic Log	Well Diagram	PID / FID	Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD / Comments
G-7-1 (0-4 feet)	36		2 4	Red sandy clay	CL			200		M				Petro Odor
G-7-2 (4-8 feet)	42		8	Red sandy clay	CL			210		M				Petro Odor
G-7-3 (8-12 feet)	48		12	Tan very fine grained sand	SP			130		M				Petro Odor
G-7-4 (12-16 feet) G-7-W (11-16 feet)	48		14 16	Tan very fine grained sand EOB 16 Feet. Groundwater sample G-7-W collected. Borehole Abandoned.	SP			370		M/W				Petro Odor


I hereby certify that the information on this form is true and correct to the best of my knowledge

Signature: Firm: **METCO**

Route To: _____ Watershed / Wastewater: _____ Waste Management: _____
 Remediation / Redevelopment: **X** Other: _____ Page 1 of 1

Facility / Project Name		License / Permit / Monitoring Number		Boring Number
Y Go By				G-8
Boring Drilled By: Name of crew chief (first, last) and Firm		Drilling Date Started	Drilling Date Completed	Drilling Method
First: Darrin	Last:	04/29/13	04/29/13	Geoprobe
Firm: Geiss		MM/ DD/ YYYY	MM /DD/ YYYY	
WI Unique Well No.	DNR Well ID No.	Well Name	Final Static Water Level	Surface Elevation
			Feet MSL	Borehole Diameter
Local Grid Origin (estimated X) or Boring Location			Local Grid Location	
State Plane	N, E	Lat 44° 42' 16.9"	N E	
NE¼ of NW¼ of Section 28, T 26 N, R 15 E		Long 88° 40' 36.5"	Feet S Feet W	
Facility ID	County	County Code	Civil Town / City / Village	
	Shawano	59	Belle Plaine	

Sample				Soil Properties										
Number & Type	Length Att. & Recovered (in)	Blow Counts	Depth in Feet (below ground surface)	Soil / Rock Description And Geologic Origin For Each Major Unit	U S C S	Graphic Log	Well Diagram	PID / FID	Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD / Comments
G-8-1 (0-4 feet)	36		2 4	Red sandy clay	CL			0		M				No Petro Odor
G-8-2 (4-8 feet)	42		8	Red sandy clay	CL			0		M				No Petro Odor
G-8-3 (8-12 feet)	48		12	Tan very fine grained sand	SP			0		M				No Petro Odor
G-8-4 (12-16 feet) G-8-W (11-16 feet)	48		16	Tan very fine grained sand EOB 16 Feet. Groundwater sample G-8-W collected. Borehole Abandoned.	SP			0		MW				No Petro Odor

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 Signature:  Firm: **METCO**

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Route To: Watershed / Wastewater: Waste Management:
Remediation / Redevelopment: **X** Other:

Facility / Project Name		License / Permit / Monitoring Number		Boring Number
Y Go By				G-9
Boring Drilled By: Name of crew chief (first, last) and Firm		Drilling Date Started	Drilling Date Completed	Drilling Method
First: Darrin	Last:	04/29/13	04/29/13	Geoprobe
Firm: Geiss		MM/DD/YYYY	MM/DD/YYYY	
WI Unique Well No.	DNR Well ID No.	Well Name	Final Static Water Level	Surface Elevation
			Feet MSL	Borehole Diameter
				2 inches
Local Grid Origin (estimated X) or Boring Location			Local Grid Location	
State Plane	N, E	Lat 44° 42' 16.9"	N E	
NE¼ of NW¼ of Section 28, T 26 N, R 15 E		Long 88° 40' 36.5"	Feet S Feet W	
Facility ID	County	County Code	Civil Town / City / Village	
	Shawano	59	Belle Plaine	

Sample			Soil Properties											
Number & Type	Length Att. & Recovered (in)	Blow Counts	Depth in Feet (below ground surface)	Soil / Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID / FID	Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD / Comments
G-9-1 (0-4 feet)	42		2 4	Red sandy clay	CL			0		M				No Petro Odor
G-9-2 (4-8 feet)	48		8	Red sandy clay	CL			0		M				No Petro Odor
G-9-3 (8-12 feet)	48		10 12	Tan very fine grained sand	SP			0		M				No Petro Odor
G-9-4 (12-16 feet) G-9-W (11-16 feet)	48		14 16	Tan very fine grained sand EOB 16 Feet. Groundwater sample G-9-W collected. Borehole Abandoned.	SP			270		MW				Petro Odor from 14-16 feet

I hereby certify that the information on this form is true and correct to the best of my knowledge
Signature: Firm: **METCO**

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Route To: _____ Watershed / Wastewater: _____ Waste Management: _____
Remediation / Redevelopment: **X** Other: _____

Facility / Project Name Y Go By Tavern		License / Permit / Monitoring Number		Boring Number G-10
Boring Drilled By: Name of crew chief (first, last) and Firm First: Darin Last: Prentice Firm: Geiss Soil & Samples, LLC		Drilling Date Started 04/14/2014 MM/DD/YYYY	Drilling Date Completed 04/14/2014 MM/DD/YYYY	Drilling Method Geoprobe
WI Unique Well No.	DNR Well ID No.	Well Name	Final Static Water Level 820 Feet MSL	Surface Elevation 835 Feet MSL
Local Grid Origin (estimated X) or Boring Location		Borehole Diameter 2 inches		
State Plane N, E	Lat 44° 42' 16.9"	Local Grid Location N E		
NE¼ of NW¼ of Section 28, T 26 N, R 15 E		Long 88° 40' 36.5"	Feet S Feet W	
Facility ID	County Shawano	County Code 59	Civil Town / City / Village Town of Belle Plaine	

Number & Type	Sample			Soil / Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	Soil Properties					P 200	RQD / Comments
	Length Att. & Recovered (ft)	Blow Counts	Depth in Feet (below ground surface)					PID / FID	Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index		
G-10-1 (0-4 ft)	48 30	2 4	2	Red sandy clay	CL			0		M				No Petro Odor
			4-6'	4-6' Red sandy clay	CL									
G-10-2 (4-8 ft)	48 36	6	6-8'	6-8' Red very fine grained sand	SP			0		M				No Petro Odor
G-10-3 (8-12 ft)	48 48	10 12	8-12'	Tan very fine grained sand	SP									
			G-10-4 (12-16 ft)	48 48	14 16									
G-10-5 (16-20 ft)	48 48	18 20												
			EOB 20 Feet. Groundwater sample G-10-W collected at 9.5-19.5 feet. Borehole Abandoned.											

I hereby certify that the information on this form is true and correct to the best of my knowledge

Signature:

Firm: **METCO**

**Site Investigation Report - METCO
Y Go By Tavern**

APPENDIX D/ WASTE DISPOSAL DOCUMENTATION

DKS Transport Services, LLC

N7349 548th Street
Menomonie, WI 54751

715-556-2604

INVOICE

6-3

20 13

CUSTOMER

Arland Dillenburg % METCO
709 Gillette St
La Crosse WI 54603

JOB NAME

Y GO BY TRUCK
Town of Belle Plaine

CASH CHECK # _____ IN-HOUSE ACCOUNT

QUANTITY		DESCRIPTION	QTY.	UNIT PRICE	AMOUNT
DATE	SHIPPED				
	1	Mobilization	1	274 -	274 -
	4	Haul soil drums to Advanced Disposal	4	103 -	412 -
	1	Haul water drum to Advanced Disposal	1	40 10	40 10
<i>Thank you</i>					
TOTAL					726 10








Due upon receipt of invoice.
1.5% per month Service Charge (18% Annual Percentage Rate) will be added to past due accounts.

SIGNATURE _____

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Route To: _____ Watershed / Wastewater: _____ Waste Management: _____
Remediation / Redevelopment: **X** Other: _____ Page 1 of 1

Facility / Project Name Y Go By Tavern		License / Permit / Monitoring Number		Boring Number MW-1	
Boring Drilled By: Name of crew chief (first, last) and Firm First: Darrin Last: Prentice Firm: Geiss Soil & Samples, LLC		Drilling Date Started 04/14/2014 MM/DD/YYYY		Drilling Date Completed 04/14/2014 MM/DD/YYYY	
Drilling Method Geoprobe/HSA		Well Name MW-1		Borehole Diameter 8.25 inches	
Local Grid Origin (estimated X) or Boring Location		Final Static Water Level 820 Feet MSL		Surface Elevation 835 Feet MSL	
State Plane N, E		Lat 44° 42' 16.9"		Local Grid Location N E	
NE¼ of NW¼ of Section 28, T 26 N, R 15 E		Long 88° 40' 36.5"		Feet S Feet W	
Facility ID		County Shawano		County Code 59	
				Civil Town / City / Village Town of Belle Plaine	




Number & Type	Sample			Soil / Rock Description And Geologic Origin For Each Major Unit	U S C S	Graphic Log	Well Diagram	Soil Properties					P 200	RQD / Comments
	Length Att. & Recovered (in)	Blow Counts	Depth in Feet (below ground surface)					PID / FID	Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index		
MW-1-1 (0-4 ft)	48 36		2	Red sandy clay	CL		See Well Construction Form	0		M				No Petro Odor
			4	4'-5' Red sandy clay	CL			0		M				No Petro Odor
MW-1-2 (4-8 ft)	48 36		6	5'-8' Red to tan very fine grained sand	SP			50		M				Petro Odor
MW-1-3 (8-12 ft)	48 36		10	Tan very fine grained sand	SP			1600		MW				Petro Odor
MW-1-4 (12-16 ft)	48 48		14	Tan very fine grained sand	SP			60		W				Petro Odor
MW-1-5 (16-20 ft)	48 48		18	Tan very fine grained sand	SP			25		W				Slight Petro Odor
MW-1-6 (20-24 ft)	48 48		22	Tan very fine to medium grained sand	SP									
			24	EOB 24 Feet. Installed monitoring well MW-1 to 20 feet.										


I hereby certify that the information on this form is true and correct to the best of my knowledge
Signature: _____ Firm: **METCO**

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Route To: Watershed / Wastewater: Waste Management:
Remediation / Redevelopment: **X** Other:

Facility / Project Name Y Go By Tavern		License / Permit / Monitoring Number		Boring Number MW-2
Boring Drilled By: Name of crew chief (first, last) and Firm First: Darrin Last: Prentice Firm: Geiss Soil & Samples, LLC		Drilling Date Started 04/14/2014 MM/DD/YYYY	Drilling Date Completed 04/14/2014 MM/DD/YYYY	Drilling Method Geoprobe/HSA
WI Unique Well No. VO527	DNR Well ID No. MW-2	Well Name MW-2	Final Static Water Level 820 Feet MSL	Surface Elevation 835 Feet MSL
Local Grid Origin (estimated X) or Boring Location State Plane N, E NE¼ of NW¼ of Section 28, T 26 N, R 15 E		Local Grid Location Lat 44° 42' 16.9" Long 88° 40' 36.5"		Borehole Diameter 8.25 inches
Facility ID		County Shawano	County Code 59	Civil Town / City / Village Town of Belle Plaine

Number & Type	Length Att. & Recovered (in)	Blow Counts	Depth in Feet (below ground surface)	Soil / Rock Description And Geologic Origin For Each Major Unit	U S C S	Graphic Log	Well Diagram	Soil Properties						P 200	RQD / Comments	
								PID / FID	Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index				
MW-2-1 (0-4 ft)	48 30		2	Red sandy clay	CL		See Well Construction Form	0		M					No Petro Odor	
			4	4'-5' Red clay	CL			0		M					No Petro Odor	
MW-2-2 (4-8 ft)	48 36		6	5'-8' Red to tan very fine grained sand	SP			0		M					No Petro Odor	
MW-2-3 (8-12 ft)	48 42		10	Tan very fine grained sand	SP			0		M					No Petro Odor	
MW-2-4 (12-16 ft)	48 48		14	Tan very fine grained sand	SP			0		MW					No Petro Odor	
MW-2-5 (16-20 ft)	48 48		18	Tan very fine grained sand	SP		0		W					No Petro Odor		
			22	EOB 21 Feet. Installed monitoring well MW-2 to 20 feet.												


I hereby certify that the information on this form is true and correct to the best of my knowledge
Signature:  Firm: **METCO**

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Route To: Watershed / Wastewater: Waste Management:
Remediation / Redevelopment: **X** Other: _____ Page 1 of 1

Facility / Project Name		License / Permit / Monitoring Number		Boring Number
Y Go By Tavern				MW-3
Boring Drilled By: Name of crew chief (first, last) and Firm		Drilling Date Started	Drilling Date Completed	Drilling Method
First: Darrin Last: Prentice		04/14/2014	04/14/2014	Geoprobe/HSA
Firm: Geiss Soil & Samples, LLC		MM/DD/YYYY	MM/DD/YYYY	
WI Unique Well No.	DNR Well ID No.	Well Name	Final Static Water Level	Surface Elevation
VO528		MW-3	820 Feet MSL	835 Feet MSL
Local Grid Origin (estimated X) or Boring Location			Local Grid Location	
State Plane N, E		Lat 44° 42' 16.9"		N E
NE¼ of NW¼ of Section 28, T 26 N, R 15 E		Long 88° 40' 36.5"		Feet S Feet W
Facility ID	County	County Code	Civil Town / City / Village	
	Shawano	59	Town of Belle Plaine	

Number & Type	Sample			Soil / Rock Description And Geologic Origin For Each Major Unit	U S C S	Graphic Log	Well Diagram	Soil Properties						RQD / Comments
	Length Att. & Recovered (in)	Blow Counts	Depth in Feet (below ground surface)					PID / FID	Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	
MW-3-1 (0-4 ft)	48 30		2	Red sandy clay	CL	See Well Construction Form		0		M				No Petro Odor
			4	4'-7" Red sandy clay	CL									
MW-3-2 (4-8 ft)	48 36		6					0		M				No Petro Odor
			8	7'-8" Tan very fine grained sand	SP									
MW-3-3 (8-12 ft)	48 42		10	Tan very fine grained sand	SP			0		M				No Petro Odor
			12											
MW-3-4 (12-16 ft)	48 48		14	Tan very fine grained sand	SP			0		MW				No Petro Odor
			16											
MW-3-5 (16-20 ft)	48 48		18	Tan very fine grained sand	SP			0		W				No Petro Odor
			20											
			22	EOB 21 Feet. Installed monitoring well MW-3 to 20 feet.										
			24											

I hereby certify that the information on this form is true and correct to the best of my knowledge
Signature:  Firm: **METCO**

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Route To: Watershed / Wastewater: Waste Management:
Remediation / Redevelopment: **X** Other: _____
Page 1 of 1

Facility / Project Name		License / Permit / Monitoring Number		Boring Number
Y Go By Tavern				MW-4
Boring Drilled By: Name of crew chief (first, last) and Firm		Drilling Date Started	Drilling Date Completed	Drilling Method
First: Darrin Last: Prentice		04/14/2014	04/14/2014	Geoprobe/HSA
Firm: Geiss Soil & Samples, LLC		MM/DD/YYYY	MM/DD/YYYY	
WI Unique Well No.	DNR Well ID No.	Well Name	Final Static Water Level	Surface Elevation
VO529		MW-4	820 Feet MSL	835 Feet MSL
Local Grid Origin (estimated X) or Boring Location			Local Grid Location	
State Plane N, E			Lat 44° 42' 16.9"	N E
NE¼ of NW¼ of Section 28, T 26 N, R 15 E			Long 88° 40' 36.5"	Feet S Feet W
Facility ID		County	County Code	Civil Town / City / Village
		Shawano	59	Town of Belle Plaine

Sample				Soil Properties										
Number & Type	Length Att. & Recovered (in)	Blow Counts	Depth in Feet (below ground surface)	Soil / Rock Description And Geologic Origin For Each Major Unit	U S C S	Graphic Log	Well Diagram	PID / FID	Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD / Comments
MW-4-1 (0-4 ft)	48 36		2	Red sandy clay	CL		See Well Construction Form	0		M				No Petro Odor
			4	4'-6' Red sandy clay	CL									
MW-4-2 (4-8 ft)	48 42		6	6'-8' Tan very fine grained sand	SP		See Well Construction Form	0		M				No Petro Odor
MW-4-3 (8-12 ft)	48 36		8	Tan very fine grained sand	SP									
			10											
MW-4-4 (12-16 ft)	48 48		14	Tan very fine grained sand	SP									
			16											
MW-4-5 (16-20 ft)	48 48		18	Tan very fine grained sand	SP									
			20											
				22	EOB 21 Feet. Installed monitoring well MW-4 to 20 feet.									
				24										

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Signature: Firm: **METCO**

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Facility/Project Name Y150 By Tavern	Local Grid Location of Well ft. <input type="checkbox"/> N. <input type="checkbox"/> S. <input type="checkbox"/> E. <input type="checkbox"/> W.	Well Name MW-1
Facility License, Permit or Monitoring No.	Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/>) or Well Location <input type="checkbox"/> Lat. 44°42'16.9" Long. 88°40'36.5" or	Wis. Unique Well No. 10526 DNR Well ID No.
Facility ID	St. Plane _____ ft. N. _____ ft. E. S/C/N	Date Well Installed 4/14/2014 m m d d y y v v
Type of Well Well Code 11 / MW	Section Location of Waste/Source NE 1/4 of NW 1/4 of Sec 28, T. 26 N. R. 15 <input checked="" type="checkbox"/> E <input type="checkbox"/> W	Well Installed By: Name (first, last) and Firm Darrin Prentice Geiss Soil & Samples LLC
Distance from Waste/Source _____ ft.	Location of Well Relative to Waste/Source u <input type="checkbox"/> Upgradient s <input type="checkbox"/> Sidegradient d <input type="checkbox"/> Downgradient n <input type="checkbox"/> Not Known	Gov. Lot Number

- A. Protective pipe, top elevation _____ ft. MSL
- B. Well casing, top elevation _____ ft. MSL
- C. Land surface elevation _____ ft. MSL
- D. Surface seal, bottom _____ ft. MSL or 0 ft.

12. USCS classification of soil near screen:
 GP GM GC GW SW SP
 SM SC ML MH CL CH
 Bedrock

13. Sieve analysis performed? Yes No

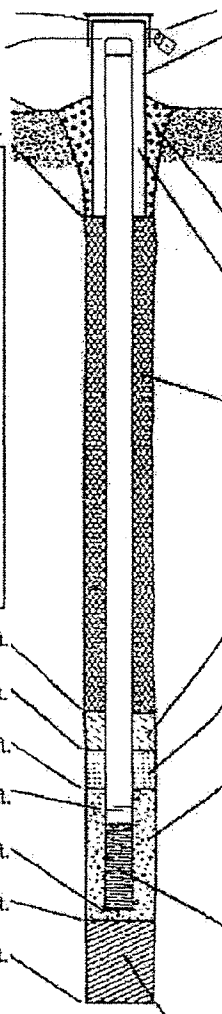
14. Drilling method used: Rotary 50
 Hollow Stem Auger 41
 Other

15. Drilling fluid used: Water 02 Air 01
 Drilling Mud 03 None 99

16. Drilling additives used? Yes No

Describe _____

17. Source of water (attach analysis, if required): _____



- 1. Cap and lock? Yes No
- 2. Protective cover pipe:
 - a. Inside diameter: 8 in.
 - b. Length: _____ ft.
 - c. Material: Steel 04
Other
 - d. Additional protection? Yes No
If yes, describe: _____
- 3. Surface seal: Bentonite 30
Concrete 01
Other
- 4. Material between well casing and protective pipe: Bentonite 30
Other
- 5. Annular space seal:
 - a. Granular/Chipped Bentonite 33
 - b. _____ Lbs/gal mud weight... Bentonite-sand slurry 35
 - c. _____ Lbs/gal mud weight... Bentonite-slurry 31
 - d. _____ % Bentonite... Bentonite-cement grout 50
 - e. _____ Ft³ volume added for any of the above
 - f. How installed: Tremie 01
Tremie pumped 02
Gravity 08
- 6. Bentonite seal:
 - a. Bentonite granules 33
 - b. 1/4 in. 3/8 in. 1/2 in. Bentonite chips 32
 - c. _____ Other
- 7. Fine sand material: Manufacturer, product name & mesh size
 - a. #15 Red Flint
 - b. Volume added _____ ft³
- 8. Filter pack material: Manufacturer, product name & mesh size
 - a. #40 Red Flint
 - b. Volume added _____ ft³
- 9. Well casing: Flush threaded PVC schedule 40 23
 Flush threaded PVC schedule 80 24
 Other
- 10. Screen material: PVC
 - a. Screen type: Factory cut 11
Continuous slot 01
Other
 - b. Manufacturer Monoflex
 - c. Slot size: 0.010 in.
 - d. Slotted length: 10 ft.
- 11. Backfill material (below filter pack): None 14
Other

- E. Bentonite seal, top _____ ft. MSL or 5 ft.
- F. Fine sand, top _____ ft. MSL or 6 ft.
- G. Filter pack, top _____ ft. MSL or 8 ft.
- H. Screen joint, top _____ ft. MSL or 10 ft.
- I. Well bottom _____ ft. MSL or 20 ft.
- J. Filter pack, bottom _____ ft. MSL or 21 ft.
- K. Borehole, bottom _____ ft. MSL or 21 ft.
- L. Borehole, diameter 8.25 in.
- M. O.D. well casing 2.40 in.
- N. I.D. well casing 2.06 in.

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature Darrin Prentice Firm Geiss Soil & Samples LLC

Please complete both Forms 4400-113A and 4400-113B and return them to the appropriate DNR office and bureau. Completion of these reports is required by chs. 160, 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file these forms may result in a forfeiture of between \$10 and \$25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on these forms is not intended to be used for any other purpose. NOTE: See the instructions for more information, including where the completed forms should be sent.

Facility/Project Name YGo By Tavern	Local Grid Location of Well ft. <input type="checkbox"/> N. <input type="checkbox"/> S. <input type="checkbox"/> E. <input type="checkbox"/> W.	Well Name MW-2
Facility License, Permit or Monitoring No.	Local Grid Origin (estimated: <input type="checkbox"/>) or Well Location <input type="checkbox"/> Lat. 44° 42' 16.9" Long. 88° 40' 36.5"	Wis. Unique Well No. VO 527 DNR Well ID No.
Facility ID	St. Plane ft. N. ft. E. S/C/N	Date Well Installed 8/14/2014 m m d d y y v v y y
Type of Well Well Code 11 / MW	Section Location of Waste/Source NE 1/4 of NW 1/4 of Sec. 28, T. 26 N. R. 15 E	Well Installed By: Name (first, last) and Firm Darrin Prentice Geiss Soil & Samples LLC
Distance from Waste/Source ft.	Location of Well Relative to Waste/Source u <input type="checkbox"/> Upgradient s <input type="checkbox"/> Sidegradient d <input type="checkbox"/> Downgradient n <input type="checkbox"/> Not Known	Gov. Lot Number

A. Protective pipe, top elevation ----- ft. MSL
B. Well casing, top elevation ----- ft. MSL
C. Land surface elevation ----- ft. MSL
D. Surface seal, bottom ----- ft. MSL or ----- ft.

12. USCS classification of soil near screen:
GP GM GC GW SW SP
SM SC ML MH CL CH
Bedrock

13. Sieve analysis performed? Yes No

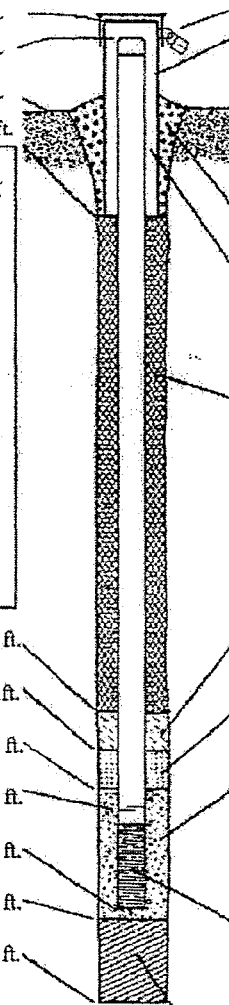
14. Drilling method used: Rotary 50
Hollow Stem Auger 41
Other

15. Drilling fluid used: Water 02 Air 01
Drilling Mud 03 None 99

16. Drilling additives used? Yes No

Describe _____

17. Source of water (attach analysis, if required): _____



1. Cap and lock? Yes No

2. Protective cover pipe:
a. Inside diameter: **8** in.
b. Length: **1** ft.
c. Material: Steel 04
Other

d. Additional protection? Yes No
If yes, describe: _____

3. Surface seal: Bentonite 30
Concrete 01
Other

4. Material between well casing and protective pipe: Bentonite 30
Other

5. Annular space seal: a. Granular/Chipped Bentonite 33
b. _____ Lbs/gal mud weight ... Bentonite-sand slurry 35
c. _____ Lbs/gal mud weight ... Bentonite slurry 31
d. _____ % Bentonite ... Bentonite-cement grout 50
e. _____ Ft³ volume added for any of the above
f. How installed: Tremie 01
Tremie pumped 02
Gravity 08

6. Bentonite seal: a. Bentonite granules 33
b. 1/4 in. 3/8 in. 1/2 in. Bentonite chips 32
c. Other

7. Fine sand material: Manufacturer, product name & mesh size
a. **#15 Red Flint**
b. Volume added _____ ft³

8. Filter pack material: Manufacturer, product name & mesh size
a. **#40 Red Flint**
b. Volume added _____ ft³

9. Well casing: Flush threaded PVC schedule 40 23
Flush threaded PVC schedule 80 24
Other

10. Screen material: **PVC**
a. Screen type: Factory cut 11
Continuous slot 01
Other

b. Manufacturer **Monoflex**
c. Slot size: **0.010** in.
d. Slotted length: **20** ft.

11. Backfill material (below filter pack): None 14
Other

E. Bentonite seal, top ----- ft. MSL or **5** ft.
F. Fine sand, top ----- ft. MSL or **6** ft.
G. Filter pack, top ----- ft. MSL or **8** ft.
H. Screen joint, top ----- ft. MSL or **10** ft.
I. Well bottom ----- ft. MSL or **20** ft.
J. Filter pack, bottom ----- ft. MSL or **21** ft.
K. Borehole, bottom ----- ft. MSL or **21** ft.
L. Borehole, diameter **8.25** in.
M. O.D. well casing **2.40** in.
N. I.D. well casing **2.06** in.

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature **Darrin Prentice** Firm **Geiss Soil & Samples LLC**

Please complete both Forms 4400-113A and 4400-113B and return them to the appropriate DNR office and bureau. Completion of these reports is required by chs. 160, 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file these forms may result in a forfeiture of between \$10 and \$25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on these forms is not intended to be used for any other purpose. NOTE: See the instructions for more information, including where the completed forms should be sent.

Facility/Project Name Y60 By Tavern	Local Grid Location of Well ft. <input type="checkbox"/> N. <input type="checkbox"/> S. <input type="checkbox"/> E. <input type="checkbox"/> W.		Well Name MW-3
Facility License, Permit or Monitoring No.	Local Grid Origin (estimated: <input type="checkbox"/>) or Well Location <input type="checkbox"/> Lat. 44° 42' 16.9" Long. 88° 40' 36.5" or	Wis. Unique Well No. V0528	DNR Well ID No.
Facility ID	St. Plane _____ ft. N. _____ ft. E. S/C/N	Date Well Installed 04/14/2014 m m d d y y y y	Well Installed By: Name (first, last) and Firm Darrin Prentice Geiss Soil & Samples LLC
Type of Well Well Code 11, MW	Section Location of Waste/Source NE 1/4 of NW 1/4 of Sec. 28, T. 26 N, R. 15 E W	Location of Well Relative to Waste/Source u <input type="checkbox"/> Upgradient s <input type="checkbox"/> Sidegradient d <input type="checkbox"/> Downgradient n <input type="checkbox"/> Not Known	
Distance from Waste/Source _____ ft.	Enf. Stds. Apply <input type="checkbox"/>	Gov. Lot Number _____	

A. Protective pipe, top elevation _____ ft. MSL	1. Cap and lock? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
B. Well casing, top elevation _____ ft. MSL	2. Protective cover pipe: a. Inside diameter: 8 in. b. Length: 1 ft. c. Material: Steel <input checked="" type="checkbox"/> 04 Other <input type="checkbox"/>
C. Land surface elevation _____ ft. MSL	d. Additional protection? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, describe: _____
D. Surface seal, bottom _____ ft. MSL or 0 ft.	3. Surface seal: Bentonite <input checked="" type="checkbox"/> 30 Concrete <input checked="" type="checkbox"/> 01 Other <input type="checkbox"/>
12. USCS classification of soil near screen: GP <input type="checkbox"/> GM <input type="checkbox"/> GC <input type="checkbox"/> GW <input type="checkbox"/> SW <input type="checkbox"/> SP <input checked="" type="checkbox"/> SM <input type="checkbox"/> SC <input type="checkbox"/> ML <input type="checkbox"/> MH <input type="checkbox"/> CL <input type="checkbox"/> CH <input type="checkbox"/> Bedrock <input type="checkbox"/>	
13. Sieve analysis performed? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
14. Drilling method used: Rotary <input type="checkbox"/> 50 Hollow Stem Auger <input checked="" type="checkbox"/> 41 Other <input type="checkbox"/>	
15. Drilling fluid used: Water <input type="checkbox"/> 02 Air <input type="checkbox"/> 01 Drilling Mud <input type="checkbox"/> 03 None <input checked="" type="checkbox"/> 99	
16. Drilling additives used? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Describe _____	
17. Source of water (attach analysis, if required): _____	
E. Bentonite seal, top _____ ft. MSL or 5 ft.	4. Material between well casing and protective pipe: Bentonite <input checked="" type="checkbox"/> 30 Other <input type="checkbox"/>
F. Fine sand, top _____ ft. MSL or 6 ft.	5. Annular space seal: a. Granular/Chipped Bentonite <input checked="" type="checkbox"/> 33 b. _____ Lbs/gal mud weight Bentonite-sand slurry <input type="checkbox"/> 35 c. _____ Lbs/gal mud weight Bentonite slurry <input type="checkbox"/> 31 d. _____ % Bentonite Bentonite-cement grout <input type="checkbox"/> 50 e. _____ Ft ³ volume added for any of the above
G. Filter pack, top _____ ft. MSL or 8 ft.	f. How installed: Tremie <input type="checkbox"/> 01 Tremie pumped <input type="checkbox"/> 02 Gravity <input checked="" type="checkbox"/> 08
H. Screen joint, top _____ ft. MSL or 10 ft.	6. Bentonite seal: a. Bentonite granules <input type="checkbox"/> 33 b. <input type="checkbox"/> 1/4 in. <input checked="" type="checkbox"/> 3/8 in. <input type="checkbox"/> 1/2 in. Bentonite chips <input checked="" type="checkbox"/> 32 c. _____ Other <input type="checkbox"/>
I. Well bottom _____ ft. MSL or 20 ft.	7. Fine sand material: Manufacturer, product name & mesh size a. #15 Red Flint
J. Filter pack, bottom _____ ft. MSL or 21 ft.	b. Volume added _____ ft ³
K. Borehole, bottom _____ ft. MSL or 21 ft.	8. Filter pack material: Manufacturer, product name & mesh size a. #40 Red Flint
L. Borehole, diameter 8.25 in.	b. Volume added _____ ft ³
M. O.D. well casing 2.40 in.	9. Well casing: Flush threaded PVC schedule 40 <input checked="" type="checkbox"/> 23 Flush threaded PVC schedule 30 <input type="checkbox"/> 24 Other <input type="checkbox"/>
N. I.D. well casing 2.06 in.	10. Screen material: PVC a. Screen type: Factory cut <input checked="" type="checkbox"/> 11 Continuous slot <input type="checkbox"/> 01 Other <input type="checkbox"/>
	b. Manufacturer Monoflex c. Slot size: 0.010 in. d. Slotted length: 10 ft.
	11. Backfill material (below filter pack): None <input type="checkbox"/> 14 Other <input checked="" type="checkbox"/>

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature Darrin Prentice Firm Geiss Soil & Samples LLC

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Facility/Project Name Yibo Tavern	Local Grid Location of Well ft. <input type="checkbox"/> N. <input type="checkbox"/> E. <input type="checkbox"/> S. <input type="checkbox"/> W.	Well Name MW-4
Facility License, Permit or Monitoring No.	Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/>) or Well Location <input type="checkbox"/> Lat. 44° 42' 16.9" Long. 88° 40' 36.5" or	Wis. Unique Well No. V0529 DNR Well ID No.
Facility ID	St. Plane _____ ft. N. _____ ft. E. S/C/N	Date Well Installed 04/14/2014 m m d d y y y y
Type of Well Well Code 11, MW	Section Location of Waste/Source N 1/4 of NW 1/4 of Sec. 28, T. 26 N, R. 15 E W	Well Installed By: Name (first, last) and Firm Darrin Prentice Geiss Soil & Samples LLC
Distance from Waste/Source _____ ft.	Location of Well Relative to Waste/Source u <input type="checkbox"/> Upgradient s <input type="checkbox"/> Sidegradient d <input type="checkbox"/> Downgradient n <input type="checkbox"/> Not Known	

A. Protective pipe, top elevation _____ ft. MSL	1. Cap and lock? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
B. Well casing, top elevation _____ ft. MSL	2. Protective cover pipe: a. Inside diameter: _____ in. b. Length: _____ ft. c. Material: Steel <input checked="" type="checkbox"/> 04 Other <input type="checkbox"/>
C. Land surface elevation _____ ft. MSL	d. Additional protection? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, describe: _____
D. Surface seal, bottom _____ ft. MSL or _____ ft.	3. Surface seal: Bentonite <input checked="" type="checkbox"/> 30 Concrete <input checked="" type="checkbox"/> 01 Other <input type="checkbox"/>
12. USCS classification of soil near screen: GP <input type="checkbox"/> GM <input type="checkbox"/> GC <input type="checkbox"/> GW <input type="checkbox"/> SW <input type="checkbox"/> SP <input checked="" type="checkbox"/> SM <input type="checkbox"/> SC <input type="checkbox"/> ML <input type="checkbox"/> MH <input type="checkbox"/> CL <input type="checkbox"/> CH <input type="checkbox"/> Bedrock <input type="checkbox"/>	4. Material between well casing and protective pipe: Bentonite <input checked="" type="checkbox"/> 30 Other <input type="checkbox"/>
13. Sieve analysis performed? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	5. Annular space seal: a. Granular/Chipped Bentonite <input checked="" type="checkbox"/> 33 b. _____ Lbs/gal mud weight ... Bentonite-sand slurry <input type="checkbox"/> 35 c. _____ Lbs/gal mud weight ... Bentonite slurry <input type="checkbox"/> 31 d. _____ % Bentonite ... Bentonite-cement grout <input type="checkbox"/> 50 e. _____ Ft ³ volume added for any of the above
14. Drilling method used: Rotary <input type="checkbox"/> 50 Hollow Stem Auger <input checked="" type="checkbox"/> 41 Other <input type="checkbox"/>	f. How installed: Tremie <input type="checkbox"/> 01 Tremie pumped <input type="checkbox"/> 02 Gravity <input checked="" type="checkbox"/> 08
15. Drilling fluid used: Water <input type="checkbox"/> 02 Air <input type="checkbox"/> 01 Drilling Mud <input type="checkbox"/> 03 None <input checked="" type="checkbox"/> 99	6. Bentonite seal: a. Bentonite granules <input type="checkbox"/> 33 b. <input type="checkbox"/> 1/4 in. <input checked="" type="checkbox"/> 3/8 in. <input type="checkbox"/> 1/2 in. Bentonite chips <input checked="" type="checkbox"/> 32 c. Other <input type="checkbox"/>
16. Drilling additives used? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	7. Fine sand material: Manufacturer, product name & mesh size a. #15 Red Flint b. Volume added _____ ft ³
Describe _____	8. Filter pack material: Manufacturer, product name & mesh size a. #40 Red Flint b. Volume added _____ ft ³
17. Source of water (attach analysis, if required): _____	9. Well casing: Flush threaded PVC schedule 40 <input checked="" type="checkbox"/> 23 Flush threaded PVC schedule 80 <input type="checkbox"/> 24 Other <input type="checkbox"/>
E. Bentonite seal, top _____ ft. MSL or 5 ft.	10. Screen material: PVC a. Screen type: Factory cut <input checked="" type="checkbox"/> 11 Continuous slot <input type="checkbox"/> 01 Other <input type="checkbox"/>
F. Fine sand, top _____ ft. MSL or 6 ft.	b. Manufacturer Monoflex c. Slot size: 0.010 in. d. Slotted length: 10 ft.
G. Filter pack, top _____ ft. MSL or 8 ft.	11. Backfill material (below filter pack): None <input type="checkbox"/> 14 Other <input checked="" type="checkbox"/>
H. Screen joint, top _____ ft. MSL or 10 ft.	
I. Well bottom _____ ft. MSL or 20 ft.	
J. Filter pack, bottom _____ ft. MSL or 21 ft.	
K. Borehole, bottom _____ ft. MSL or 21 ft.	
L. Borehole, diameter 8.25 in.	
M. O.D. well casing 2.40 in.	
N. I.D. well casing 2.06 in.	

I hereby certify that the information on this form is true and correct to the best of my knowledge.

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Route to: Watershed/Wastewater Waste Management
Remediation/Redevelopment Other

Facility/Project Name Y Go By Tavern	County Name SHAWANO	Well Name MW-1
Facility License, Permit or Monitoring Number	County Code 59	Wis. Unique Well Number VO526
		DNR Well ID Number

1. Can this well be purged dry? Yes No
2. Well development method
- surged with bailer and bailed 4 1
 - surged with bailer and pumped 6 1
 - surged with block and bailed 4 2
 - surged with block and pumped 6 2
 - surged with block, bailed and pumped 7 0
 - compressed air 2 0
 - bailed only 1 0
 - pumped only 5 1
 - pumped slowly 5 0
 - Other
3. Time spent developing well 20 min.
4. Depth of well (from top of well casing) 20 ft.
5. Inside diameter of well 2 in.
6. Volume of water in filter pack and well casing 6 gal.
7. Volume of water removed from well 20 gal.
8. Volume of water added (if any) _____ gal.
9. Source of water added _____
10. Analysis performed on water added? Yes No
(If yes, attach results)

	Before Development	After Development
11. Depth to Water (from top of well casing)	a. <u>14.56</u> ft.	<u>15.28</u> ft.
Date	b. <u>04</u> / <u>14</u> / <u>2014</u>	<u>4</u> / <u>14</u> / <u>2014</u>
	m m d d y y y y	m m d d y y y y
Time	c. <u>04</u> : <u>20</u> <input type="checkbox"/> a.m. <input checked="" type="checkbox"/> p.m.	<u>04</u> : <u>40</u> <input type="checkbox"/> a.m. <input checked="" type="checkbox"/> p.m.
12. Sediment in well bottom	_____ inches	_____ inches
13. Water clarity	Clear <input type="checkbox"/> 1 0 Turbid <input checked="" type="checkbox"/> 1 5 (Describe) <u>Tan</u>	Clear <input checked="" type="checkbox"/> 2 0 Turbid <input type="checkbox"/> 2 5 (Describe) <u>Clear</u>
	<u>High Turbidity</u>	<u>Low Turbidity</u>
	_____	_____
	_____	_____
Fill in if drilling fluids were used and well is at solid waste facility:		
14. Total suspended solids	_____ mg/l	_____ mg/l
15. COD	_____ mg/l	_____ mg/l

16. Well developed by: Name (first, last) and Firm

First Name: Eric Last Name: Dahl

Firm: METCO

17. Additional comments on development:

Name and Address of Facility Contact /Owner/Responsible Party

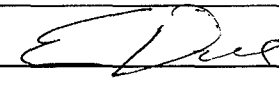
First Name: Arland Last Name: Dillenburg

Facility/Firm: _____

Street: N4821 Hwy 22 South

City/State/Zip: Shawano WI 54166-

I hereby certify that the above information is true and correct to the best of my knowledge.

Signature: 

Print Name: Eric Dahl

Firm: METCO

NOTE: See instructions for more information including a list of county codes and well type codes.

Route to: Watershed/Wastewater Waste Management
Remediation/Redevelopment Other

Facility/Project Name Y Go By Tavern	County Name SHAWANO	Well Name MW-2
Facility License, Permit or Monitoring Number	County Code .59	Wis. Unique Well Number VO527
		DNR Well ID Number _____

1. Can this well be purged dry? Yes No
2. Well development method
- surged with bailer and bailed 4 1
 - surged with bailer and pumped 6 1
 - surged with block and bailed 4 2
 - surged with block and pumped 6 2
 - surged with block, bailed and pumped 7 0
 - compressed air 2 0
 - bailed only 1 0
 - pumped only 5 1
 - pumped slowly 5 0
 - Other _____
3. Time spent developing well 40 min.
4. Depth of well (from top of well casing) 20 ft.
5. Inside diameter of well 2 in.
6. Volume of water in filter pack and well casing 6 gal.
7. Volume of water removed from well 50 gal.
8. Volume of water added (if any) _____ gal.
9. Source of water added _____
10. Analysis performed on water added? Yes No
(If yes, attach results)

	Before Development	After Development
11. Depth to Water (from top of well casing)	a. <u>14.56</u> ft.	<u>14.65</u> ft.
Date	b. <u>04</u> / <u>14</u> / <u>2014</u>	<u>4</u> / <u>14</u> / <u>2014</u>
Time	c. <u>02</u> : <u>50</u> <input type="checkbox"/> a.m. <input checked="" type="checkbox"/> p.m.	<u>03</u> : <u>30</u> <input type="checkbox"/> a.m. <input checked="" type="checkbox"/> p.m.
12. Sediment in well bottom	_____ inches	_____ inches
13. Water clarity	Clear <input type="checkbox"/> 1 0 Turbid <input checked="" type="checkbox"/> 1 5 (Describe) <u>Tan</u>	Clear <input checked="" type="checkbox"/> 2 0 Turbid <input type="checkbox"/> 2 5 (Describe) <u>Clear</u>
	<u>High Turbidity</u>	<u>Low Turbidity</u>
Fill in if drilling fluids were used and well is at solid waste facility:		
14. Total suspended solids	_____ mg/l	_____ mg/l
15. COD	_____ mg/l	_____ mg/l

16. Well developed by: Name (first, last) and Firm

First Name: Eric Last Name: Dahl

Firm: METCO

17. Additional comments on development:

Name and Address of Facility Contact /Owner/Responsible Party

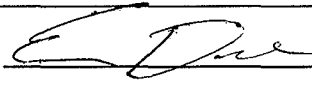
First Name: Arland Last Name: Dillenburg

Facility/Firm: _____

Street: N4821 Hwy 22 South

City/State/Zip: Shawano WI 54166-

I hereby certify that the above information is true and correct to the best of my knowledge.

Signature: 

Print Name: Eric Dahl

Firm: METCO

NOTE: See instructions for more information including a list of county codes and well type codes.

Route to: Watershed/Wastewater Waste Management
Remediation/Redevelopment Other

Facility/Project Name Y Go By Tavern	County Name SHAWANO	Well Name MW-3
Facility License, Permit or Monitoring Number	County Code .59	Wis. Unique Well Number VO528
		DNR Well ID Number

1. Can this well be purged dry? Yes No

2. Well development method

surged with bailer and bailed	<input type="checkbox"/>	41
surged with bailer and pumped	<input checked="" type="checkbox"/>	61
surged with block and bailed	<input type="checkbox"/>	42
surged with block and pumped	<input type="checkbox"/>	62
surged with block, bailed and pumped	<input type="checkbox"/>	70
compressed air	<input type="checkbox"/>	20
bailed only	<input type="checkbox"/>	10
pumped only	<input type="checkbox"/>	51
pumped slowly	<input type="checkbox"/>	50
Other _____	<input type="checkbox"/>	

3. Time spent developing well 40 min.

4. Depth of well (from top of well casing) 20 ft.

5. Inside diameter of well 2 in.

6. Volume of water in filter pack and well casing 6 gal.

7. Volume of water removed from well 45 gal.

8. Volume of water added (if any) _____ gal.

9. Source of water added _____

10. Analysis performed on water added? Yes No
(If yes, attach results)

	Before Development	After Development
11. Depth to Water (from top of well casing)	a. <u>14.52</u> ft.	<u>14.56</u> ft.
Date	b. <u>04</u> / <u>14</u> / <u>2014</u>	<u>4</u> / <u>14</u> / <u>2014</u>
Time	c. <u>01</u> : <u>50</u> <input type="checkbox"/> a.m. <input checked="" type="checkbox"/> p.m.	<u>02</u> : <u>30</u> <input type="checkbox"/> a.m. <input checked="" type="checkbox"/> p.m.
12. Sediment in well bottom	_____ inches	_____ inches
13. Water clarity	Clear <input type="checkbox"/> 10 Turbid <input checked="" type="checkbox"/> 15 (Describe) <u>Tan</u>	Clear <input checked="" type="checkbox"/> 20 Turbid <input type="checkbox"/> 25 (Describe) <u>Clear</u>
	<u>High Turbidity</u>	<u>Low Turbidity</u>
Fill in if drilling fluids were used and well is at solid waste facility:		
14. Total suspended solids	_____ mg/l	_____ mg/l
15. COD	_____ mg/l	_____ mg/l

16. Well developed by: Name (first, last) and Firm

First Name: Eric Last Name: Dahl

Firm: METCO

17. Additional comments on development:

Name and Address of Facility Contact /Owner/Responsible Party

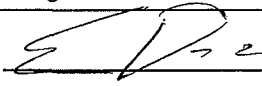
First Name: Arland Last Name: Dillenburg

Facility/Firm: _____

Street: N4821 Hwy 22 South

City/State/Zip: Shawano WI 54166-

I hereby certify that the above information is true and correct to the best of my knowledge.

Signature: 

Print Name: Eric Dahl

Firm: METCO

NOTE: See instructions for more information including a list of county codes and well type codes.

Route to: Watershed/Wastewater Waste Management
Remediation/Redevelopment Other

Facility/Project Name Y Go By Tavern	County Name SHAWANO	Well Name MW-4
Facility License, Permit or Monitoring Number	County Code 59	Wis. Unique Well Number VO529
		DNR Well ID Number _____

1. Can this well be purged dry? Yes No
2. Well development method
- surged with bailer and bailed 41
 - surged with bailer and pumped 61
 - surged with block and bailed 42
 - surged with block and pumped 62
 - surged with block, bailed and pumped 70
 - compressed air 20
 - bailed only 10
 - pumped only 51
 - pumped slowly 50
 - Other _____
3. Time spent developing well 75 min.
4. Depth of well (from top of well casing) 20 ft.
5. Inside diameter of well 2 in.
6. Volume of water in filter pack and well casing 6.3 gal.
7. Volume of water removed from well 23 gal.
8. Volume of water added (if any) _____ gal.
9. Source of water added _____
10. Analysis performed on water added? Yes No
(If yes, attach results)

- | | Before Development | After Development |
|---|---|---|
| 11. Depth to Water (from top of well casing) | a. <u>14.24</u> ft. | <u>17.35</u> ft. |
| Date | b. <u>04 / 14 / 2014</u>
m m d d y y y y | <u>4 / 14 / 2014</u>
m m d d y y y y |
| Time | c. <u>12 : 30</u> <input type="checkbox"/> a.m. <input checked="" type="checkbox"/> p.m. | <u>01 : 45</u> <input type="checkbox"/> a.m. <input checked="" type="checkbox"/> p.m. |
| 12. Sediment in well bottom | _____ inches | _____ inches |
| 13. Water clarity | Clear <input type="checkbox"/> 10
Turbid <input checked="" type="checkbox"/> 15
(Describe) <u>Tan</u> | Clear <input checked="" type="checkbox"/> 20
Turbid <input type="checkbox"/> 25
(Describe) <u>Clear</u> |
| | Medium Turbidity | Low Turbidity |
| Fill in if drilling fluids were used and well is at solid waste facility: | | |
| 14. Total suspended solids | _____ mg/l | _____ mg/l |
| 15. COD | _____ mg/l | _____ mg/l |

16. Well developed by: Name (first, last) and Firm

First Name: Eric Last Name: Dahl

Firm: METCO

17. Additional comments on development:
Purged dry 5 times.

Name and Address of Facility Contact /Owner/Responsible Party

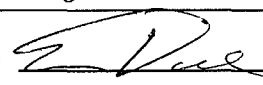
First Name: Arland Last Name: Dillenburg

Facility/Firm: _____

Street: N4821 Hwy 22 South

City/State/Zip: Shawano WI 54166-

I hereby certify that the above information is true and correct to the best of my knowledge.

Signature: 

Print Name: Eric Dahl

Firm: METCO

NOTE: See instructions for more information including a list of county codes and well type codes.

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Route to: Drinking Water Watershed/Wastewater Waste Management Remediation/Redevelopment Other _____

(1) GENERAL INFORMATION		(2) FACILITY / OWNER INFORMATION	
WI Unique Well No. _____	DNR Well ID No. _____	County SHAWANO	
Common Well Name <u>G-1</u> Gov't Lot (If applicable) _____		Facility Name Y Go By _____	Facility ID _____
Grid Location <u>NE</u> 1/4 of <u>NW</u> 1/4 of Sec. <u>28</u> ; T. <u>26</u> N; R. <u>15</u> <input checked="" type="checkbox"/> E <input type="checkbox"/> W _____ ft. <input type="checkbox"/> N. <input type="checkbox"/> S., _____ ft. <input type="checkbox"/> E. <input type="checkbox"/> W.		License/Permit/Monitoring No. _____	
Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/>) or Well Location <input type="checkbox"/>		Street Address of Well <u>N3215 County Highway Y</u>	
Lat. <u>44</u> ° <u>42</u> ' <u>16.9</u> " Long <u>88</u> ° <u>40</u> ' <u>36.5</u> " or _____		City, Village, or Town <u>Belle Plaine</u>	
St. Plane _____ ft. N. _____ ft. E. <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Zone		Present Well Owner <u>Arland Dillenburg</u>	
Reason For Abandonment <u>Sampling Complete</u>		Original Owner _____	
WI Unique Well No. _____ of Replacement Well _____		Street Address or Route of Owner <u>N4821 Hwy 22 South</u>	
		City, State, Zip Code <u>Shawano WI 54166-</u>	

(3) WELL/DRILLHOLE/BOREHOLE INFORMATION		(4) PUMP, LINER, SCREEN, CASING, & SEALING MATERIAL	
Original Construction Date <u>4/29/2013</u>		Pump & Piping Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable	
<input type="checkbox"/> Monitoring Well <input type="checkbox"/> Water Well <input checked="" type="checkbox"/> Borehole / Drillhole		Liner(s) Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable	
Construction Type: <input type="checkbox"/> Drilled <input type="checkbox"/> Driven (Sandpoint) <input type="checkbox"/> Dug <input checked="" type="checkbox"/> Other (Specify) <u>Geoprobe</u>		Screen Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable	
Formation Type: <input checked="" type="checkbox"/> Unconsolidated Formation <input type="checkbox"/> Bedrock		Casing Left in Place? <input type="checkbox"/> Yes <input type="checkbox"/> No	
Total Well Depth (ft.) <u>16</u> Casing Diameter (in.) _____ (From ground surface) Casing Depth (ft.) _____		Was Casing Cut Off Below Surface? <input type="checkbox"/> Yes <input type="checkbox"/> No	
Lower Drillhole Diameter (in.) <u>2</u>		Did Sealing Material Rise to Surface? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Was Well Annular Space Grouted? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown		Did Material Settle After 24 Hours? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
If Yes, To What Depth? _____ Feet		If Yes, Was Hole Retopped? <input type="checkbox"/> Yes <input type="checkbox"/> No	
Depth to Water (Feet) <u>14</u>		Required Method of Placing Sealing Material	
		<input type="checkbox"/> Conductor Pipe-Gravity <input type="checkbox"/> Conductor Pipe-Pumped	
		<input type="checkbox"/> Screened & Poured (Bentonite Chips) <input checked="" type="checkbox"/> Other (Explain) Gravity	
		Sealing Materials	
		<input type="checkbox"/> Neat Cement Grout	
		<input type="checkbox"/> Sand-Cement (Concrete) Grout	
		<input type="checkbox"/> Concrete	
		<input type="checkbox"/> Clay-Sand Slurry (11 lb./gal. wt.)	
		<input type="checkbox"/> Bentonite-Sand Slurry " "	
		<input type="checkbox"/> Bentonite Chips	
		For monitoring wells and monitoring well boreholes only	
		<input checked="" type="checkbox"/> Bentonite Chips	
		<input type="checkbox"/> Granular Bentonite	
		<input type="checkbox"/> Bentonite - Cement Grout	
		<input type="checkbox"/> Bentonite - Sand Slurry	

(5) Material Used To Fill Well/Drillhole	From (Ft.)	To (Ft.)	lbs. sealant	Mix Ratio or Mud Weight
3/8 Bentonite Chips	Surface	16	24	

(6) Comments: Abandoned by Geiss under METCO supervision

(7) Name of Person or Firm Doing Sealing Work		Date of Abandonment	
<u>Eric Dahl (METCO)</u>		<u>4/29/2013</u>	
Signature of Person Doing Work <u>[Signature]</u>		Date Signed <u>5/29/13</u>	
Street or Route <u>709 Gillette St. Ste 3</u>		Telephone Number <u>(608) 781-8879</u>	
City, State, Zip Code <u>LaCrosse WI 54603-</u>			

FOR DNR OR COUNTY USE ONLY	
Date Received	Noted By
Comments	

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Route to: Drinking Water Watershed/Wastewater Waste Management Remediation/Redevelopment Other _____

(1) GENERAL INFORMATION			(2) FACILITY/ OWNER INFORMATION	
WI Unique Well No.	DNR Well ID No.	County SHAWANO	Facility Name Y Go By	
Common Well Name <u>G-2</u> Gov't Lot (If applicable)			Facility ID	License/Permit/Monitoring No.
Grid Location <u>NE</u> 1/4 of <u>NW</u> 1/4 of Sec. <u>28</u> ; T. <u>26</u> N; R. <u>15</u> <input checked="" type="checkbox"/> E <input type="checkbox"/> W			Street Address of Well N3215 County Highway Y	
ft. <input type="checkbox"/> N. <input type="checkbox"/> S., _____ ft. <input type="checkbox"/> E. <input type="checkbox"/> W.			City, Village, or Town Belle Plaine	
Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/>) or Well Location <input type="checkbox"/>			Present Well Owner Arland Dillenburg	
Lat. <u>44</u> ° <u>42</u> ' <u>16.9</u> " Long <u>88</u> ° <u>40</u> ' <u>36.5</u> " or			Original Owner	
St. Plane _____ ft. N. _____ ft. E. <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Zone			Street Address or Route of Owner N4821 Hwy 22 South	
Reason For Abandonment Sampling Complete		WI Unique Well No. of Replacement Well _____	City, State, Zip Code Shawano WI 54166-	

(3) WELL/DRILLHOLE/BOREHOLE INFORMATION		(4) PUMP, LINER, SCREEN, CASING, & SEALING MATERIAL	
Original Construction Date <u>4/29/2013</u>		Pump & Piping Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable	
<input type="checkbox"/> Monitoring Well <input type="checkbox"/> Water Well <input checked="" type="checkbox"/> Borehole / Drillhole		Liner(s) Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable	
Construction Type: <input type="checkbox"/> Drilled <input type="checkbox"/> Driven (Sandpoint) <input type="checkbox"/> Dug <input checked="" type="checkbox"/> Other (Specify) <u>Geoprobe</u>		Screen Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable	
Formation Type: <input checked="" type="checkbox"/> Unconsolidated Formation <input type="checkbox"/> Bedrock		Casing Left in Place? <input type="checkbox"/> Yes <input type="checkbox"/> No	
Total Well Depth (ft.) <u>16</u> Casing Diameter (in.) _____		Was Casing Cut Off Below Surface? <input type="checkbox"/> Yes <input type="checkbox"/> No	
(From ground surface) Casing Depth (ft.) _____		Did Sealing Material Rise to Surface? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Lower Drillhole Diameter (in.) <u>2</u>		Did Material Settle After 24 Hours? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Was Well Annular Space Grouted? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown		If Yes, Was Hole Retopped? <input type="checkbox"/> Yes <input type="checkbox"/> No	
If Yes, To What Depth? _____ Feet		Required Method of Placing Sealing Material	
Depth to Water (Feet) <u>14</u>		<input type="checkbox"/> Conductor Pipe-Gravity <input type="checkbox"/> Conductor Pipe-Pumped <input type="checkbox"/> Screened & Poured (Bentonite Chips) <input checked="" type="checkbox"/> Other (Explain) Gravity	
Sealing Materials		For monitoring wells and monitoring well boreholes only	
<input type="checkbox"/> Neat Cement Grout <input type="checkbox"/> Sand-Cement (Concrete) Grout <input type="checkbox"/> Concrete <input type="checkbox"/> Clay-Sand Slurry (11 lb./gal. wt.) <input type="checkbox"/> Bentonite-Sand Slurry " " <input type="checkbox"/> Bentonite Chips		<input checked="" type="checkbox"/> Bentonite Chips <input type="checkbox"/> Granular Bentonite <input type="checkbox"/> Bentonite - Cement Grout <input type="checkbox"/> Bentonite - Sand Slurry	

(5) Material Used To Fill Well/Drillhole	From (Ft.)	To (Ft.)	lbs. sealant	Mix Ratio or Mud Weight
3/8 Bentonite Chips	Surface	16	24	

(6) Comments: Abandoned by Geiss under METCO supervision

(7) Name of Person or Firm Doing Sealing Work Eric Dahl (METCO)		Date of Abandonment 4/29/2013
Signature of Person Doing Work <i>Eric Dahl</i>		Date Signed 5/29/13
Street or Route 709 Gillette St. Ste 3		Telephone Number (608) 781-8879
City, State, Zip Code LaCrosse WI 54603-		

FOR DNR OR COUNTY USE ONLY	
Date Received	Noted By
Comments	

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Route to: Drinking Water Watershed/Wastewater Waste Management Remediation/Redevelopment Other _____

(1) GENERAL INFORMATION		(2) FACILITY / OWNER INFORMATION	
WI Unique Well No.	DNR Well ID No.	County SHAWANO	
Common Well Name <u>G-3</u> Gov't Lot (If applicable)		Facility Name	Y Go By
Grid Location <u>NE 1/4 of NW 1/4 of Sec. 28</u> ; T. <u>26</u> N; R. <u>15</u> <input checked="" type="checkbox"/> E <input type="checkbox"/> W		Facility ID	License/Permit/Monitoring No.
_____ ft. <input type="checkbox"/> N. <input type="checkbox"/> S., _____ ft. <input type="checkbox"/> E. <input type="checkbox"/> W.		Street Address of Well <u>N3215 County Highway Y</u>	
Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/>) or Well Location <input type="checkbox"/>		City, Village, or Town <u>Belle Plaine</u>	
Lat. <u>44° 42' 16.9"</u> Long <u>88° 40' 36.5"</u> or _____		Present Well Owner	Original Owner
St. Plane _____ ft. N. _____ ft. E. <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Zone		Arland Dillenburg	
Reason For Abandonment Sampling Complete		Street Address or Route of Owner <u>N4821 Hwy 22 South</u>	
WI Unique Well No. of Replacement Well _____		City, State, Zip Code <u>Shawano WI 54166-</u>	

(3) WELL/DRILLHOLE/BOREHOLE INFORMATION		(4) PUMP, LINER, SCREEN, CASING, & SEALING MATERIAL	
Original Construction Date <u>4/29/2013</u>		Pump & Piping Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable	
<input type="checkbox"/> Monitoring Well <input type="checkbox"/> Water Well <input checked="" type="checkbox"/> Borehole / Drillhole		Liner(s) Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable	
Construction Type: <input type="checkbox"/> Drilled <input type="checkbox"/> Driven (Sandpoint) <input type="checkbox"/> Dug <input checked="" type="checkbox"/> Other (Specify) <u>Geoprobe</u>		Screen Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable	
Formation Type: <input checked="" type="checkbox"/> Unconsolidated Formation <input type="checkbox"/> Bedrock		Casing Left in Place? <input type="checkbox"/> Yes <input type="checkbox"/> No	
Total Well Depth (ft.) <u>16</u> Casing Diameter (in.) _____ (From ground surface) Casing Depth (ft.) _____		Was Casing Cut Off Below Surface? <input type="checkbox"/> Yes <input type="checkbox"/> No	
Lower Drillhole Diameter (in.) <u>2</u>		Did Sealing Material Rise to Surface? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Was Well Annular Space Grouted? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown		Did Material Settle After 24 Hours? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
If Yes, To What Depth? _____ Feet		If Yes, Was Hole Retopped? <input type="checkbox"/> Yes <input type="checkbox"/> No	
Depth to Water (Feet) <u>14</u>		Required Method of Placing Sealing Material	
		<input type="checkbox"/> Conductor Pipe-Gravity <input type="checkbox"/> Conductor Pipe-Pumped	
		<input type="checkbox"/> Screened & Poured (Bentonite Chips) <input checked="" type="checkbox"/> Other (Explain) Gravity	
		Sealing Materials	
		<input type="checkbox"/> Neat Cement Grout	
		<input type="checkbox"/> Sand-Cement (Concrete) Grout	
		<input type="checkbox"/> Concrete	
		<input type="checkbox"/> Clay-Sand Slurry (11 lb./gal. wt.)	
		<input type="checkbox"/> Bentonite-Sand Slurry " "	
		<input type="checkbox"/> Bentonite Chips	
		For monitoring wells and monitoring well boreholes only	
		<input checked="" type="checkbox"/> Bentonite Chips	
		<input type="checkbox"/> Granular Bentonite	
		<input type="checkbox"/> Bentonite - Cement Grout	
		<input type="checkbox"/> Bentonite - Sand Slurry	

(5) Material Used To Fill Well/Drillhole	From (Ft.)	To (Ft.)	lbs. sealant	Mix Ratio or Mud Weight
3/8 Bentonite Chips	Surface	16	24	

(6) Comments: Abandoned by Geiss under METCO supervision

(7) Name of Person or Firm Doing Sealing Work		Date of Abandonment	
Eric Dahl (METCO)		4/29/2013	
Signature of Person Doing Work		Date Signed	
		5/29/13	
Street or Route		Telephone Number	
709 Gillette St. Ste 3		(608) 781-8879	
City, State, Zip Code			
LaCrosse WI 54603-			

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Date Received	Noted By
Comments	

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Route to: Drinking Water Watershed/Wastewater Waste Management Remediation/Redevelopment Other _____

(1) GENERAL INFORMATION			(2) FACILITY / OWNER INFORMATION	
WI Unique Well No.	DNR Well ID No.	County SHAWANO	Facility Name Y Go By	
Common Well Name <u>G-4</u> Gov't Lot (If applicable)			Facility ID	License/Permit/Monitoring No.
Grid Location <u>NE</u> 1/4 of <u>NW</u> 1/4 of Sec. <u>28</u> ; T. <u>26</u> N; R. <u>15</u> <input checked="" type="checkbox"/> E <input type="checkbox"/> W _____ ft. <input type="checkbox"/> N. <input type="checkbox"/> S., _____ ft. <input type="checkbox"/> E. <input type="checkbox"/> W.			Street Address of Well N3215 County Highway Y	
Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/>) or Well Location <input type="checkbox"/>			City, Village, or Town Belle Plaine	
Lat. <u>44</u> ° <u>42</u> ' <u>16.9</u> " Long <u>88</u> ° <u>40</u> ' <u>36.5</u> " or _____ " or _____ "			Present Well Owner Arland Dillenburg	
St. Plane _____ ft. N. _____ ft. E. <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Zone			Original Owner	
Reason For Abandonment Sampling Complete		WI Unique Well No. of Replacement Well _____	Street Address or Route of Owner N4821 Hwy 22 South	
			City, State, Zip Code Shawano WI 54166-	

(3) WELL/DRILLHOLE/BOREHOLE INFORMATION		(4) PUMP, LINER, SCREEN, CASING, & SEALING MATERIAL	
Original Construction Date <u>4/29/2013</u>		Pump & Piping Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable	
<input type="checkbox"/> Monitoring Well <input type="checkbox"/> Water Well <input checked="" type="checkbox"/> Borehole / Drillhole		Liner(s) Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable	
Construction Type: <input type="checkbox"/> Drilled <input type="checkbox"/> Driven (Sandpoint) <input type="checkbox"/> Dug <input checked="" type="checkbox"/> Other (Specify) <u>Geoprobe</u>		Screen Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable	
Formation Type: <input checked="" type="checkbox"/> Unconsolidated Formation <input type="checkbox"/> Bedrock		Casing Left in Place? <input type="checkbox"/> Yes <input type="checkbox"/> No	
Total Well Depth (ft.) <u>16</u> Casing Diameter (in.) _____ (From ground surface) Casing Depth (ft.) _____		Was Casing Cut Off Below Surface? <input type="checkbox"/> Yes <input type="checkbox"/> No	
Lower Drillhole Diameter (in.) <u>2</u>		Did Sealing Material Rise to Surface? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Was Well Annular Space Grouted? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown		Did Material Settle After 24 Hours? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
If Yes, To What Depth? _____ Feet		If Yes, Was Hole Retopped? <input type="checkbox"/> Yes <input type="checkbox"/> No	
Depth to Water (Feet) <u>14</u>		Required Method of Placing Sealing Material	
		<input type="checkbox"/> Conductor Pipe-Gravity <input type="checkbox"/> Conductor Pipe-Pumped	
		<input type="checkbox"/> Screened & Poured (Bentonite Chips) <input checked="" type="checkbox"/> Other (Explain) Gravity	
		Sealing Materials	
		<input type="checkbox"/> Neat Cement Grout	
		<input type="checkbox"/> Sand-Cement (Concrete) Grout	
		<input type="checkbox"/> Concrete	
		<input type="checkbox"/> Clay-Sand Slurry (11 lb./gal. wt.)	
		<input type="checkbox"/> Bentonite-Sand Slurry " "	
		<input type="checkbox"/> Bentonite Chips	
		For monitoring wells and monitoring well boreholes only	
		<input checked="" type="checkbox"/> Bentonite Chips	
		<input type="checkbox"/> Granular Bentonite	
		<input type="checkbox"/> Bentonite - Cement Grout	
		<input type="checkbox"/> Bentonite - Sand Slurry	

(5) Material Used To Fill Well/Drillhole	From (Ft.)	To (Ft.)	lbs. sealant	Mix Ratio or Mud Weight
3/8 Bentonite Chips	Surface	16	24	

(6) Comments: Abandoned by Geiss under METCO supervision

(7) Name of Person or Firm Doing Sealing Work Eric Dahl (METCO)		Date of Abandonment 4/29/2013
Signature of Person Doing Work <i>[Signature]</i>		Date Signed 5/29/13
Street or Route 709 Gillette St. Ste 3		Telephone Number (608) 781-8879
City, State, Zip Code LaCrosse WI 54603-		

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Comments	

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Route to: Drinking Water Watershed/Wastewater Waste Management Remediation/Redevelopment Other _____

(1) GENERAL INFORMATION		(2) FACILITY/ OWNER INFORMATION	
WI Unique Well No. _____	DNR Well ID No. _____	County SHAWANO	
Common Well Name <u>G-5</u> Gov't Lot (If applicable) _____		Facility Name Y Go By _____	Facility ID _____
Grid Location <u>NE</u> 1/4 of <u>NW</u> 1/4 of Sec. <u>28</u> ; T. <u>26</u> N; R. <u>15</u> <input checked="" type="checkbox"/> E <input type="checkbox"/> W _____ ft. <input type="checkbox"/> N. <input type="checkbox"/> S., _____ ft. <input type="checkbox"/> E. <input type="checkbox"/> W.		License/Permit/Monitoring No. _____	
Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/>) or Well Location <input type="checkbox"/>		Street Address of Well <u>N3215 County Highway Y</u>	
Lat. <u>44</u> ° <u>42</u> ' <u>16.9</u> " Long <u>88</u> ° <u>40</u> ' <u>36.5</u> " or _____ or _____		City, Village, or Town <u>Belle Plaine</u>	
St. Plane _____ ft. N. _____ ft. E. <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Zone _____		Present Well Owner <u>Arland Dillenburg</u>	
Reason For Abandonment Sampling Complete		Original Owner _____	
WI Unique Well No. _____ of Replacement Well _____		Street Address or Route of Owner <u>N4821 Hwy 22 South</u>	
		City, State, Zip Code <u>Shawano WI 54166-</u>	

(3) WELL/DRILLHOLE/BOREHOLE INFORMATION		(4) PUMP, LINER, SCREEN, CASING, & SEALING MATERIAL	
Original Construction Date <u>4/29/2013</u>		Pump & Piping Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable	
<input type="checkbox"/> Monitoring Well <input type="checkbox"/> Water Well <input checked="" type="checkbox"/> Borehole / Drillhole		Liner(s) Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable	
Construction Type: <input type="checkbox"/> Drilled <input type="checkbox"/> Driven (Sandpoint) <input type="checkbox"/> Dug <input checked="" type="checkbox"/> Other (Specify) <u>Geoprobe</u>		Screen Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable	
Formation Type: <input checked="" type="checkbox"/> Unconsolidated Formation <input type="checkbox"/> Bedrock		Casing Left in Place? <input type="checkbox"/> Yes <input type="checkbox"/> No	
Total Well Depth (ft.) <u>16</u> Casing Diameter (in.) _____ (From ground surface) Casing Depth (ft.) _____		Was Casing Cut Off Below Surface? <input type="checkbox"/> Yes <input type="checkbox"/> No	
Lower Drillhole Diameter (in.) <u>2</u>		Did Sealing Material Rise to Surface? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Was Well Annular Space Grouted? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown If Yes, To What Depth? _____ Feet		Did Material Settle After 24 Hours? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If Yes, Was Hole Retopped? <input type="checkbox"/> Yes <input type="checkbox"/> No	
Depth to Water (Feet) <u>14</u>		Required Method of Placing Sealing Material <input type="checkbox"/> Conductor Pipe-Gravity <input type="checkbox"/> Conductor Pipe-Pumped <input type="checkbox"/> Screened & Poured (Bentonite Chips) <input checked="" type="checkbox"/> Other (Explain) <u>Gravity</u>	

(5) Material Used To Fill Well/Drillhole	From (Ft.)	To (Ft.)	lbs. sealant	Mix Ratio or Mud Weight
3/8 Bentonite Chips	Surface	16	24	

(6) Comments: Abandoned by Geiss under METCO supervision

(7) Name of Person or Firm Doing Sealing Work		Date of Abandonment	
<u>Eric Dahl (METCO)</u>		<u>4/29/2013</u>	
Signature of Person Doing Work <i>[Signature]</i>		Date Signed <u>5/29/13</u>	
Street or Route <u>709 Gillette St. Ste 3</u>		Telephone Number <u>(608) 781-8879</u>	
City, State, Zip Code <u>LaCrosse WI 54603-</u>			

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Route to: Drinking Water Watershed/Wastewater Waste Management Remediation/Redevelopment Other _____

(1) GENERAL INFORMATION		(2) FACILITY / OWNER INFORMATION	
WI Unique Well No. _____	DNR Well ID No. _____	County SHAWANO	
Common Well Name <u>G-6</u> Gov't Lot (if applicable) _____		Facility Name Y Go By _____	Facility ID _____
Grid Location <u>NE</u> 1/4 of <u>NW</u> 1/4 of Sec. <u>28</u> ; T. <u>26</u> N; R. <u>15</u> <input checked="" type="checkbox"/> E <input type="checkbox"/> W _____ ft. <input type="checkbox"/> N. <input type="checkbox"/> S., _____ ft. <input type="checkbox"/> E. <input type="checkbox"/> W.		License/Permit/Monitoring No. _____	
Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/>) or Well Location <input type="checkbox"/>		Street Address of Well <u>N3215 County Highway Y</u>	
Lat. <u>44</u> ° <u>42</u> ' <u>16.9</u> " Long <u>88</u> ° <u>40</u> ' <u>36.5</u> " or _____ " or _____		City, Village, or Town <u>Belle Plaine</u>	
St. Plane _____ ft. N. _____ ft. E. <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Zone		Present Well Owner <u>Arland Dillenburg</u>	
Reason For Abandonment Sampling Complete		Original Owner _____	
WI Unique Well No. _____ of Replacement Well _____		Street Address or Route of Owner <u>N4821 Hwy 22 South</u>	
		City, State, Zip Code <u>Shawano WI 54166-</u>	

(3) WELL/DRILLHOLE/BOREHOLE INFORMATION		(4) PUMP, LINER, SCREEN, CASING, & SEALING MATERIAL	
Original Construction Date <u>4/29/2013</u>		Pump & Piping Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable	
<input type="checkbox"/> Monitoring Well <input type="checkbox"/> Water Well <input checked="" type="checkbox"/> Borehole / Drillhole		Liner(s) Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable	
Construction Type: <input type="checkbox"/> Drilled <input type="checkbox"/> Driven (Sandpoint) <input type="checkbox"/> Dug		Screen Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable	
<input checked="" type="checkbox"/> Other (Specify) <u>Geoprobe</u>		Casing Left in Place? <input type="checkbox"/> Yes <input type="checkbox"/> No	
Formation Type: <input checked="" type="checkbox"/> Unconsolidated Formation <input type="checkbox"/> Bedrock		Was Casing Cut Off Below Surface? <input type="checkbox"/> Yes <input type="checkbox"/> No	
Total Well Depth (ft.) <u>16</u> Casing Diameter (in.) _____		Did Sealing Material Rise to Surface? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
(From ground surface) Casing Depth (ft.) _____		Did Material Settle After 24 Hours? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Lower Drillhole Diameter (in.) <u>2</u>		If Yes, Was Hole Retopped? <input type="checkbox"/> Yes <input type="checkbox"/> No	
Was Well Annular Space Grouted? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown		Required Method of Placing Sealing Material	
If Yes, To What Depth? _____ Feet		<input type="checkbox"/> Conductor Pipe-Gravity <input type="checkbox"/> Conductor Pipe-Pumped	
Depth to Water (Feet) <u>14</u>		<input type="checkbox"/> Screened & Poured (Bentonite Chips) <input checked="" type="checkbox"/> Other (Explain) Gravity	
		Sealing Materials	
		For monitoring wells and monitoring well boreholes only	
		<input type="checkbox"/> Neat Cement Grout <input checked="" type="checkbox"/> Bentonite Chips	
		<input type="checkbox"/> Sand-Cement (Concrete) Grout <input type="checkbox"/> Granular Bentonite	
		<input type="checkbox"/> Concrete <input type="checkbox"/> Bentonite - Cement Grout	
		<input type="checkbox"/> Clay-Sand Slurry (11 lb./gal. wt.) <input type="checkbox"/> Bentonite - Sand Slurry	
		<input type="checkbox"/> Bentonite-Sand Slurry " " <input type="checkbox"/> Bentonite - Sand Slurry	
		<input type="checkbox"/> Bentonite Chips	

(5) Material Used To Fill Well/Drillhole	From (Ft.)	To (Ft.)	lbs. sealant	Mix Ratio or Mud Weight
3/8 Bentonite Chips	Surface	16	24	

(6) Comments: Abandoned by Geiss under METCO supervision

(7) Name of Person or Firm Doing Sealing Work		Date of Abandonment	
<u>Eric Dahl (METCO)</u>		<u>4/29/2013</u>	
Signature of Person Doing Work <u>[Signature]</u>		Date Signed <u>5/29/13</u>	
Street or Route <u>709 Gillette St. Ste 3</u>		Telephone Number <u>(608) 781-8879</u>	
City, State, Zip Code <u>LaCrosse WI 54603-</u>			

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Route to: Drinking Water Watershed/Wastewater Waste Management Remediation/Redevelopment Other _____

(1) GENERAL INFORMATION		(2) FACILITY/ OWNER INFORMATION	
WI Unique Well No.	DNR Well ID No.	County	Facility Name
		SHAWANO	Y Go By
Common Well Name <u>G-7</u> Gov't Lot (if applicable)		Facility ID	License/Permit/Monitoring No.
<u>NE</u> 1/4 of <u>NW</u> 1/4 of Sec. <u>28</u> ; T. <u>26</u> N; R. <u>15</u> <input checked="" type="checkbox"/> E <input type="checkbox"/> W		Street Address of Well	
Grid Location		N3215 County Highway Y	
_____ ft. <input type="checkbox"/> N. <input type="checkbox"/> S., _____ ft. <input type="checkbox"/> E. <input type="checkbox"/> W.		City, Village, or Town	
Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/>) or Well Location <input type="checkbox"/>		Belle Plaine	
Lat. <u>44</u> ° <u>42</u> ' <u>16.9</u> " Long <u>88</u> ° <u>40</u> ' <u>36.5</u> " or		Present Well Owner	Original Owner
St. Plane _____ ft. N. _____ ft. E. <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Zone		Arland Dillenburg	
Reason For Abandonment	WI Unique Well No.	Street Address or Route of Owner	
Sampling Complete	of Replacement Well _____	N4821 Hwy 22 South	
		City, State, Zip Code	
		Shawano WI 54166-	

(3) WELL/DRILLHOLE/BOREHOLE INFORMATION		(4) PUMP, LINER, SCREEN, CASING, & SEALING MATERIAL	
Original Construction Date <u>4/29/2013</u>		Pump & Piping Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable	
<input type="checkbox"/> Monitoring Well		Liner(s) Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable	
<input type="checkbox"/> Water Well		Screen Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable	
<input checked="" type="checkbox"/> Borehole / Drillhole		Casing Left in Place? <input type="checkbox"/> Yes <input type="checkbox"/> No	
If a Well Construction Report is available, please attach.		Was Casing Cut Off Below Surface? <input type="checkbox"/> Yes <input type="checkbox"/> No	
Construction Type:		Did Sealing Material Rise to Surface? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
<input type="checkbox"/> Drilled <input type="checkbox"/> Driven (Sandpoint) <input type="checkbox"/> Dug		Did Material Settle After 24 Hours? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
<input checked="" type="checkbox"/> Other (Specify) <u>Geoprobe</u>		If Yes, Was Hole Retopped? <input type="checkbox"/> Yes <input type="checkbox"/> No	
Formation Type:		Required Method of Placing Sealing Material	
<input checked="" type="checkbox"/> Unconsolidated Formation <input type="checkbox"/> Bedrock		<input type="checkbox"/> Conductor Pipe-Gravity <input type="checkbox"/> Conductor Pipe-Pumped	
Total Well Depth (ft.) <u>16</u> Casing Diameter (in.) _____		<input type="checkbox"/> Screened & Poured (Bentonite Chips) <input checked="" type="checkbox"/> Other (Explain) Gravity	
(From ground surface) Casing Depth (ft.) _____		Sealing Materials	
Lower Drillhole Diameter (in.) <u>2</u>		<input type="checkbox"/> Neat Cement Grout	
Was Well Annular Space Grouted? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown		<input type="checkbox"/> Sand-Cement (Concrete) Grout	
If Yes, To What Depth? _____ Feet		<input type="checkbox"/> Concrete	
Depth to Water (Feet) <u>14</u>		<input type="checkbox"/> Clay-Sand Slurry (11 lb./gal. wt.)	
		<input type="checkbox"/> Bentonite-Sand Slurry " "	
		<input type="checkbox"/> Bentonite Chips	

(5) Material Used To Fill Well/Drillhole	From (Ft.)	To (Ft.)	lbs. sealant	Mix Ratio or Mud Weight
3/8 Bentonite Chips	Surface	16	24	

(6) Comments: Abandoned by Geiss under METCO supervision

(7) Name of Person or Firm Doing Sealing Work		Date of Abandonment	
Eric Dahl (METCO)		4/29/2013	
Signature of Person Doing Work		Date Signed	
<i>E Dahl</i>		5/29/13	
Street or Route		Telephone Number	
709 Gillette St. Ste 3		(608) 781-8879	
City, State, Zip Code			
LaCrosse WI 54603-			

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Date Received	Noted By
Comments	

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Route to: Drinking Water Watershed/Wastewater Waste Management Remediation/Redevelopment Other _____

(1) GENERAL INFORMATION			(2) FACILITY/ OWNER INFORMATION	
WI Unique Well No.	DNR Well ID No.	County SHAWANO	Facility Name	
Common Well Name G-8 Gov't Lot (If applicable)			Y Go By	
Grid Location NE 1/4 of NW 1/4 of Sec. 28 ; T. 26 N; R. 15 E			Facility ID	License/Permit/Monitoring No.
Local Grid Origin (estimated:) or Well Location			Street Address of Well N3215 County Highway Y	
Lat. 44° 42' 16.9" Long 88° 40' 36.5" or			City, Village, or Town Belle Plaine	
St. Plane ft. N. ft. E. Zone			Present Well Owner Arland Dillenburg	Original Owner
Reason For Abandonment Sampling Complete			Street Address or Route of Owner N4821 Hwy 22 South	
WI Unique Well No. of Replacement Well			City, State, Zip Code Shawano WI 54166-	

(3) WELL/DRILLHOLE/BOREHOLE INFORMATION		(4) PUMP, LINER, SCREEN, CASING, & SEALING MATERIAL	
Original Construction Date 4/29/2013		Pump & Piping Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable	
<input type="checkbox"/> Monitoring Well <input type="checkbox"/> Water Well <input checked="" type="checkbox"/> Borehole / Drillhole		Liner(s) Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable	
Construction Type: <input type="checkbox"/> Drilled <input type="checkbox"/> Driven (Sandpoint) <input type="checkbox"/> Dug		Screen Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable	
<input checked="" type="checkbox"/> Other (Specify) Geoprobe Formation Type: <input checked="" type="checkbox"/> Unconsolidated Formation <input type="checkbox"/> Bedrock		Casing Left in Place? <input type="checkbox"/> Yes <input type="checkbox"/> No	
Total Well Depth (ft.) 16 Casing Diameter (in.)		Was Casing Cut Off Below Surface? <input type="checkbox"/> Yes <input type="checkbox"/> No	
(From ground surface) Casing Depth (ft.)		Did Sealing Material Rise to Surface? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Lower Drillhole Diameter (in.) 2		Did Material Settle After 24 Hours? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Was Well Annular Space Grouted? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown		If Yes, Was Hole Retopped? <input type="checkbox"/> Yes <input type="checkbox"/> No	
If Yes, To What Depth? Feet		Required Method of Placing Sealing Material	
Depth to Water (Feet) 14		<input type="checkbox"/> Conductor Pipe-Gravity <input type="checkbox"/> Conductor Pipe-Pumped <input type="checkbox"/> Screened & Poured (Bentonite Chips) <input checked="" type="checkbox"/> Other (Explain) Gravity	
Sealing Materials		For monitoring wells and monitoring well boreholes only	
<input type="checkbox"/> Neat Cement Grout <input type="checkbox"/> Sand-Cement (Concrete) Grout <input type="checkbox"/> Concrete <input type="checkbox"/> Clay-Sand Slurry (11 lb./gal. wt.) <input type="checkbox"/> Bentonite-Sand Slurry " " <input type="checkbox"/> Bentonite Chips		<input checked="" type="checkbox"/> Bentonite Chips <input type="checkbox"/> Granular Bentonite <input type="checkbox"/> Bentonite - Cement Grout <input type="checkbox"/> Bentonite - Sand Slurry	

(5) Material Used To Fill Well/Drillhole	From (Ft.)	To (Ft.)	lbs. sealant	Mix Ratio or Mud Weight
3/8 Bentonite Chips	Surface	16	24	

(6) Comments: Abandoned by Geiss under METCO supervision

(7) Name of Person or Firm Doing Sealing Work Eric Dahl (METCO)		Date of Abandonment 4/29/2013
Signature of Person Doing Work <i>E Dahl</i>		Date Signed 5/29/13
Street or Route 709 Gillette St. Ste 3		Telephone Number (608) 781-8879
City, State, Zip Code LaCrosse WI 54603-		

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Route to: Drinking Water Watershed/Wastewater Waste Management Remediation/Redevelopment Other _____

(1) GENERAL INFORMATION		(2) FACILITY/ OWNER INFORMATION	
WI Unique Well No. _____	DNR Well ID No. _____	County SHAWANO	
Common Well Name <u>G-9</u> Gov't Lot (If applicable) _____		Facility Name <u>Y Go By</u>	License/Permit/Monitoring No. _____
Grid Location <u>NE</u> 1/4 of <u>NW</u> 1/4 of Sec. <u>28</u> ; T. <u>26</u> N; R. <u>15</u> <input checked="" type="checkbox"/> E <input type="checkbox"/> W _____ ft. <input type="checkbox"/> N. <input type="checkbox"/> S., _____ ft. <input type="checkbox"/> E. <input type="checkbox"/> W.		Facility ID _____	Street Address of Well <u>N3215 County Highway Y</u>
Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/>) or Well Location <input type="checkbox"/>		City, Village, or Town <u>Belle Plaine</u>	
Lat. <u>44° 42' 16.9"</u> Long <u>88° 40' 36.5"</u> or _____		Present Well Owner <u>Arland Dillenburg</u>	Original Owner _____
St. Plane _____ ft. N. _____ ft. E. <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Zone		Street Address or Route of Owner <u>N4821 Hwy 22 South</u>	
Reason For Abandonment <u>Sampling Complete</u>	WI Unique Well No. of Replacement Well _____	City, State, Zip Code <u>Shawano WI 54166-</u>	

(3) WELL/DRILLHOLE/BOREHOLE INFORMATION		(4) PUMP, LINER, SCREEN, CASING, & SEALING MATERIAL	
Original Construction Date <u>4/29/2013</u>		Pump & Piping Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable	
<input type="checkbox"/> Monitoring Well <input type="checkbox"/> Water Well <input checked="" type="checkbox"/> Borehole / Drillhole		Liner(s) Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable	
Construction Type: <input type="checkbox"/> Drilled <input type="checkbox"/> Driven (Sandpoint) <input type="checkbox"/> Dug <input checked="" type="checkbox"/> Other (Specify) <u>Geoprobe</u>		Screen Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable	
Formation Type: <input checked="" type="checkbox"/> Unconsolidated Formation <input type="checkbox"/> Bedrock		Casing Left in Place? <input type="checkbox"/> Yes <input type="checkbox"/> No	
Total Well Depth (ft.) <u>16</u> Casing Diameter (in.) _____ (From ground surface) Casing Depth (ft.) _____		Was Casing Cut Off Below Surface? <input type="checkbox"/> Yes <input type="checkbox"/> No	
Lower Drillhole Diameter (in.) <u>2</u>		Did Sealing Material Rise to Surface? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Was Well Annular Space Grouted? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown		Did Material Settle After 24 Hours? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
If Yes, To What Depth? _____ Feet		If Yes, Was Hole Retopped? <input type="checkbox"/> Yes <input type="checkbox"/> No	
Depth to Water (Feet) <u>14</u>		Required Method of Placing Sealing Material	
		<input type="checkbox"/> Conductor Pipe-Gravity <input type="checkbox"/> Conductor Pipe-Pumped	
		<input type="checkbox"/> Screened & Poured (Bentonite Chips) <input checked="" type="checkbox"/> Other (Explain) Gravity	
		Sealing Materials For monitoring wells and monitoring well boreholes only	
		<input type="checkbox"/> Neat Cement Grout <input checked="" type="checkbox"/> Bentonite Chips	
		<input type="checkbox"/> Sand-Cement (Concrete) Grout <input type="checkbox"/> Granular Bentonite	
		<input type="checkbox"/> Concrete <input type="checkbox"/> Bentonite - Cement Grout	
		<input type="checkbox"/> Clay-Sand Slurry (11 lb./gal. wt.) <input type="checkbox"/> Bentonite - Sand Slurry	
		<input type="checkbox"/> Bentonite-Sand Slurry " " <input type="checkbox"/> Bentonite - Sand Slurry	
		<input type="checkbox"/> Bentonite Chips	

(5) Material Used To Fill Well/Drillhole	From (Ft.)	To (Ft.)	lbs. sealant	Mix Ratio or Mud Weight
3/8 Bentonite Chips	Surface	16	24	

(6) Comments: Abandoned by Geiss under METCO supervision

(7) Name of Person or Firm Doing Sealing Work		Date of Abandonment	
<u>Eric Dahl (METCO)</u>		<u>4/29/2013</u>	
Signature of Person Doing Work		Date Signed	
		<u>5/29/13</u>	
Street or Route		Telephone Number	
<u>709 Gillette St. Ste 3</u>		<u>(608) 781-8879</u>	
City, State, Zip Code			
<u>LaCrosse WI 54603-</u>			

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Route to: Drinking Water Watershed/Wastewater Waste Management Remediation/Redevelopment Other _____

(1) GENERAL INFORMATION		(2) FACILITY/ OWNER INFORMATION	
WI Unique Well No.	DNR Well ID No.	County SHAWANO	
Common Well Name <u>G-10</u> Gov't Lot (If applicable)		Facility Name <u>Y Go By Tavern</u>	Facility ID
NE 1/4 of NW 1/4 of Sec. <u>28</u> ; T. <u>26</u> N; R. <u>15</u> <input checked="" type="checkbox"/> E <input type="checkbox"/> W		License/Permit/Monitoring No.	
Grid Location _____ ft. <input type="checkbox"/> N. <input type="checkbox"/> S., _____ ft. <input type="checkbox"/> E. <input type="checkbox"/> W.		Street Address of Well <u>N3215 County Hwy Y</u>	
Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/>) or Well Location <input type="checkbox"/>		City, Village, or Town <u>Clintonville</u>	
Lat. <u>44° 42' 16.9"</u> Long <u>88° 40' 36.5"</u> or		Present Well Owner <u>Arland Dillenburg</u>	
St. Plane _____ ft. N. _____ ft. E. <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Zone		Original Owner	
Reason For Abandonment Sampling Complete		Street Address or Route of Owner <u>N4821 Hwy 22 South</u>	
WI Unique Well No. of Replacement Well _____		City, State, Zip Code <u>Shawano WI 54166-</u>	

(3) WELL/DRILLHOLE/BOREHOLE INFORMATION		(4) PUMP, LINER, SCREEN, CASING, & SEALING MATERIAL	
Original Construction Date <u>4/14/2014</u>		Pump & Piping Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable	
<input type="checkbox"/> Monitoring Well		Liner(s) Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable	
<input type="checkbox"/> Water Well		Screen Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable	
<input checked="" type="checkbox"/> Borehole / Drillhole		Casing Left in Place? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
If a Well Construction Report is available, please attach.		Was Casing Cut Off Below Surface? <input type="checkbox"/> Yes <input type="checkbox"/> No	
Construction Type:		Did Sealing Material Rise to Surface? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
<input type="checkbox"/> Drilled <input type="checkbox"/> Driven (Sandpoint) <input type="checkbox"/> Dug		Did Material Settle After 24 Hours? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
<input checked="" type="checkbox"/> Other (Specify) <u>Geoprobe</u>		If Yes, Was Hole Retopped? <input type="checkbox"/> Yes <input type="checkbox"/> No	
Formation Type:		Required Method of Placing Sealing Material	
<input checked="" type="checkbox"/> Unconsolidated Formation <input type="checkbox"/> Bedrock		<input type="checkbox"/> Conductor Pipe-Gravity <input type="checkbox"/> Conductor Pipe-Pumped	
Total Well Depth (ft.) <u>20</u> Casing Diameter (in.) _____		<input type="checkbox"/> Screened & Poured (Bentonite Chips) <input checked="" type="checkbox"/> Other (Explain) Gravity	
(From ground surface) Casing Depth (ft.) _____		Sealing Materials	
Lower Drillhole Diameter (in.) <u>2</u>		<input type="checkbox"/> Neat Cement Grout	
Was Well Annular Space Grouted? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown		<input type="checkbox"/> Sand-Cement (Concrete) Grout	
If Yes, To What Depth? _____ Feet		<input type="checkbox"/> Concrete	
Depth to Water (Feet) <u>15</u>		<input type="checkbox"/> Clay-Sand Slurry (11 lb./gal. wt.)	
		<input type="checkbox"/> Bentonite-Sand Slurry " "	
		<input checked="" type="checkbox"/> Bentonite Chips	
		For monitoring wells and monitoring well boreholes only	
		<input type="checkbox"/> Bentonite Chips	
		<input type="checkbox"/> Granular Bentonite	
		<input type="checkbox"/> Bentonite - Cement Grout	
		<input type="checkbox"/> Bentonite - Sand Slurry	

(5) Material Used To Fill Well/Drillhole	From (Ft.)	To (Ft.)	Pounds	Mix Ratio or Mud Weight
Bentonite Chips	Surface	20	30	

(6) Comments: Abandoned by Geiss Soil & Samples, LLC under METCO supervision

(7) Name of Person or Firm Doing Sealing Work		Date of Abandonment	
<u>Eric Dahl/METCO</u>		<u>4/14/2014</u>	
Signature of Person Doing Work		Date Signed	
		<u>5/15/14</u>	
Street or Route		Telephone Number	
<u>709 Gillette St, Ste 3</u>		<u>(608) 781-8879</u>	
City, State, Zip Code			
<u>La Crosse WI 54603-</u>			

FOR DNR OR COUNTY USE ONLY	
Date Received	Noted By
Comments	

**Site Investigation Report - METCO
Y Go By Tavern**

APPENDIX E/ OTHER DOCUMENTATION

LUST and Petroleum Analytical and QA Guidance
July 1993 Revision

Petroleum Substance Discharged	Analysis of Samples Collected for UST Tank Closure Assessments	Solid Waste Program Requirements for Soils to be landfilled ⁵	Site Investigation, Pretreatment and Posttreatment Sample Analysis ¹¹
Regular Gasoline	GRO ²	Free Liquids ⁶ GRO Benzene ⁷ Pb ⁷ Haz. Waste Deter. ⁸	GRO VOC/PVOC ¹⁵ Pb ¹²
Unleaded Gasoline; Grades 80 100, and 100 LL (Low Lead) Aviation Fuel	GRO ²	Free Liquids ⁶ GRO Benzene ⁷ Pb ⁷ Haz. Waste Deter. ⁸	GRO PVOC
Diesel; Jet Fuels; and No's 1, 2, and 4 Fuel Oil	DRO ³	Free Liquids ⁶ DRO Benzene ⁷ Haz. Waste Deter. ⁸	DRO ³ PVOC PAH ^{13 14}
Crude Oil; Lubricating Oils; No. 6 Fuel Oil	DRO ³	Free Liquids ⁶ DRO Haz. Waste Deter. ⁸	DRO ³ PAH ^{13 14}
Unknown Petroleum	GRO ⁷ and DRO ^{3 4}	Free Liquids ⁶ GRO and DRO Pb, Cd ⁷ Haz. Waste Deter. ⁸ CN ¹⁹ S ^{2 10}	GRO and DRO ^{3 4} VOC/PVOC ¹⁵ PAH ^{13 14} Pb, Cd ¹²
Waste Oil	DRO ³	Free Liquids ⁶ DRO Pb, Cd ⁷ Haz. Waste Deter. ⁸ CN ¹⁹ S ^{2 10}	DRO ³ VOC/PVOC ¹⁵ PAH ^{13 14} PCBs ¹⁶ Pb, Cd ¹²

Abbreviations:

GRO - Gasoline Range Organics, Determined by the Wisconsin Modified GRO Method

DRO - Diesel Range Organics, Determined by the Wisconsin Modified DRO Method

VOC - Volatile Organic Compounds (See Section 11.1 for a list of VOC compounds)

PVOC - Petroleum Organic Compounds (See Section 11.2 for a list of PVOC compounds)

PAH - Polynuclear Aromatic Hydrocarbons (See Section 11.3 for a list of the PAH compounds)

PCBs - Polychlorinated Biphenyls

Pb - Lead

SYNERGY ENVIRONMENTAL LAB – Sample Bottle Requirements

TABLE 1
SAMPLE & PRESERVATION REQUIREMENTS FOR WATER and
DRINKING WATER SAMPLES

Test	Original Sample Container	Preserved	Holding Time to Analysis
WET CHEMISTRY			
Alkalinity SM2320B/EPA 310.2	250 mL HDPE	4°C	14 days
Ammonia EPA 350.1	250 mL HDPE	4°C, pH<2 with H ₂ SO ₄	28 days
BOD, cBOD SM5210B	500 ml HDPE	4°C	48 hrs.
COD EPA 410.4	500 ml HDPE	4°C, pH<2 with H ₂ SO ₄	28 days
Chloride EPA 300.0/EPA 325.2	250 mL HDPE	4°C	28 days
Cyanide SW846 9012A/SM4500-CN-C	1000 mL HDPE	4°C, pH>12 with NaOH	14 days
Flashpoint SW846 1010	250 mL HDPE	4°C	28 days
Fluoride EPA 300.0	250 mL HDPE	4°C	28 days
Hardness SW846 6010B	250 mL HDPE	4°C, pH<2 with HNO ₃	180 days
TKN EPA 351.2	1 Liter HDPE	4°C, pH<2 with H ₂ SO ₄	28 days
Nitrate EPA 300.0	250 mL HDPE	4°C	48 hours
Nitrate+Nitrite EPA 300.0	250 mL HDPE	4°C, pH<2 with H ₂ SO ₄	28 days
Nitrite EPA 300.0	250 mL HDPE	4°C	48 hours
Oil & Grease EPA 1664	1 Liter Glass	4°C, pH<2 with H ₂ SO ₄	28 days
Organic Carbon SW846 9060/ EPA 415.1	40 ml Glass	4°C, pH<2 with H ₂ SO ₄ or HCL	28 days
Phenol, Total EPA 420.1	1 Liter Glass	4°C, pH<2 with H ₂ SO ₄	28 days
Phosphorus, Total EPA 365.3	250 mL HDPE	4°C, pH<2 with H ₂ SO ₄	28 days
Sulfate EPA 300.0	250 mL HDPE	4°C	28 days
Total Dissolved Solids EPA 160.1	250 ml HDPE	4°C	7 days
Total Solids EPA 160.3	250 ml HDPE	4°C	7 days
Total Suspended Solids EPA 160.2	250 mL HDPE	4°C	7 days
METALS			
Metals	250 mL HDPE	4°C, pH<2 with HNO ₃	6 months
Mercury SW8467470/EPA 245.1	250 mL HDPE	4°C, pH<2 with HNO ₃	28 days
ORGANICS			
Semivolatiles SW846 8270C	1 Liter amber glass, collect 2 for one of the samples submitted .	4°C	7 days extr. 40 days following extr
PAH SW846 8270C	1 Liter amber glass, collect 2 for one of the samples submitted	4°C	7 days extr. 40 days following extr
PCB SW846 8082	1 Liter amber glass, collect 2 for one of the samples submitted.	4°C	7 days extr. 40 days following extr
DRO, Modified DNR Sep 95	1 Liter amber glass with Teflon lined cap	4°C, 5 mL 50% HCl	7 days extr. 40 days following extr
VOC'S SW846 8260B/EPA524.2	(3) 40 mL glass vials with Teflon lined septum caps	4°C, 0.5 mL 50% HCl, No Headspace	14 days
GRO/VOC	(4) 40 mL glass vials with Teflon lined septum caps	4°C, 0.5 mL 50% HCl prior to adding sample to jar	14 days
GRO, Modified DNR Sep 95	(2) 40 mL glass vials with Teflon lined septum caps	4°C, 0.5 mL 50% HCl prior to adding sample to jar	14 days
GRO/PVOC	(2) 40 mL glass vials with Teflon lined septum caps	4°C, 0.5 mL 50% HCl prior to adding sample to jar	14 days
PVOC	(2) 40 mL glass vials with Teflon lined septum caps	4°C, 0.5 mL 50% HCl prior to adding sample to jar	14 days

All samples are to be cooled to 4°C until tested.
HDPE = High Density Polyethylene.

SYNERGY ENVIRONMENTAL LAB – Sample Bottle Requirements

TABLE 2
SAMPLE & PRESERVATION REQUIREMENTS FOR SOIL SAMPLES

Test	Original Sample Container	Preserved	Holding Times from Date and Time of Collection			
			Solvent Addition	Shipping	Extraction	Analysis
METALS:						
Metals	2 oz glass or soil cup	4°C	NA	NA	NA	180 days
Mercury SW846 7471	2 oz glass or soil cup	4°C	NA	NA	NA	28 days
Chromium Hexavalent SM3500-Cr	2 oz glass or soil cup	4°C	NA	NA	NA	24 hours
ORGANICS:						
Any combinations of GRO, VOC, PVOC	1- tared VOC vial with 10 mls methanol, 13 grams of soil collected with syringe	4°C, 1:1 with methanol	Immediately	4 days	21 days	21 days
DRO, Modified	1- tared VOC vial, 13 grams of soil collected with syringe jar	4°C, Hexane	10 days	4 days	47 days	47 days
PAH, SW846 8270C	2 oz glass untared	4°C	NA	NA	14 days	40 days
Semivolatile SW846 8270C	2 oz glass untared	4°C	NA	NA	14 days	40 days
PCB SW846 8082	2 oz glass untared	4°C	NA	NA	14 days	40 days

All samples are to be cooled to 4°C until tested.

Residential setting. Not-To-Exceed D-C RCLs from web-calculator at: http://epa-prgs.ornl.gov/cgi-bin/chemicals/csl_search (Chicago as climatic zone)
 = cancer; nc = non-cancer; Csat = soil saturation concentration; ceiling = 10%.

Basis: ca

-----> If web-calculator result or Csat exceeds 10% by weight (the ceiling limit concentration defined in RSL Users Guide), Not-to-Exceed D-C RCL defaults to 100,000 ppm.

1. Enter data in yellow cells. Numeric only values under "INPUT Site Data." For ND, use detection limit. Do not type "-", "NA" nor "space bar". Leave purple cells "as is"
2. After completing data entry, See Summary in Row 872.

Site Name:

Sample ID:

Contaminant	Gas Number	NC RCL (mg/kg)	C RCL (mg/kg)	Not To Exceed (mg/kg)	Exceedance
Benzene	7143-2	111	1.49	1.49	ca
Ethylbenzene	100-41-4	4220	7.47	7.47	ca
Toluene	108-88-3	5300	-	616	Csat
Xylenes	1330-20-7	890	-	256	Csat
Methyl tert-Butyl Ether (MTBE)	1634-04-4	23800	59.4	59.4	ca
Dichloroethane, 1,2-	107-06-2	46.7	0.61	0.61	ca
Dibromoethane, 1,2-	106-93-4	107	0.05	0.05	ca
Trichloroethylene	79-01-6	6.05	0.64	0.64	ca
Tetrachloroethylene	127-18-4	115	30.7	30.7	ca
Vinyl Chloride	75-01-4	93.3	0.07	0.07	ca
Dichloroethylene, 1,1-	75-35-4	342	-	342	nc
Dichloroethylene, 1,2-trans-	156-60-5	211	-	211	nc
Dichloroethylene, 1,2-cis-	156-59-2	156	-	156	nc
Trichloroethane, 1,1,1-	71-55-6	12300	-	640	Csat
Carbon Tetrachloride	56-23-5	137	0.85	0.85	ca
Trimethylbenzene, 1,2,4-	95-63-6	89.8	-	89.8	nc
Trimethylbenzene, 1,3,5-	108-67-6	762	-	182	Csat
Naphthalene	91-20-3	188	5.15	5.15	ca
Benzo(a)pyrene	50-32-6	-	0.01	0.01	ca
Acenaphthene	83-32-9	3440	-	3440	nc
Anthracene	120-12-7	17200	-	17200	nc
Benzo(a)anthracene	56-55-3	-	0.15	0.15	ca
Benzo(b)fluoranthene	205-82-3	-	0.38	0.38	ca
Benzo(k)fluoranthene	205-99-2	-	0.15	0.15	ca
Benzo(a)fluoranthene	207-08-9	-	1.48	1.48	ca
Chrysene	218-01-9	-	14.8	14.8	ca
Dibenz(a,h)anthracene	53-70-3	-	0.01	0.01	ca
Dibenz(a,e)pyrene	192-65-4	-	0.04	0.04	ca
Dimethylbenz(a)anthracene, 7,12-	57-97-6	-	0	0	ca
Fluoranthene	206-44-0	2290	-	2290	nc
Fluorene	86-73-7	2290	-	2290	nc
Indeno(1,2,3-cd)pyrene	193-39-5	-	0.15	0.15	ca
Methylnaphthalene, 1-	90-12-0	4010	15.6	15.6	ca
Methylnaphthalene, 2-	81-57-6	229	-	229	nc
Nitropyrene, 4-	57835-82-4	-	0.38	0.38	ca
Pyrene	129-00-0	1720	-	1720	nc
Cadmium (Diet)	7440-43-9	70.2	2110	70.2	nc
Lead and Compounds	7439-92-1	400	-	400	nc
Test1Chem(DRO)	Wis. DRO	-	-	100	-
Test2Chem(GRO)	Wis. GRO	-	-	100	-

Type BRRTS No. Here (If Known)	Exceedance Count / Hazard Index / Cumulative Cancer Risk:	0	0.00E+00	0.0E+00
	To Pass, data must meet all these criteria:	Exceedance HI Count = 0	≤ Cumulative CR 1.00E+00	≤ 1e-05
	Bottom-Line:	Soil Data Entry Needed!		

Residual Contaminant Levels Protective of Groundwater Quality
 (Soil-to-Groundwater Scenario Results from: http://epa-prgs.ornl.gov/cgi-bin/chemicals/cst_search)

NR140 Substance	NR 140 CAS	Fed MCL (ug/l) (If Red, MCL>ES)	NR 140 ES (ug/l)	RCL-gw (mg/kg) DF=1	Use 2, or input the calculated site-specific DF -->	2.00	INPUT NUMERIC Site Data Max (mg/kg)	Flag if Individual Exceedance
Acetochlor	34256-82-1	-	7	5.58E-03				
Acetone	67-64-1	-	9000	1.85E+00				
Alachlor	15972-60-8	2	2	1.65E-03				
Aldicarb	116-06-3	3	10	2.49E-03				
Aluminum	7429-90-5	-	200	3.01E+02				
Antimony	7440-36-0	6	6	2.71E-01				
Anthracene	120-12-7	-	3000	9.84E+01				
Arsenic	7440-38-2	10	10	2.92E-01				
Atrazine, total chlorinated residues	1912-24-9	3	3	1.95E-03				
Barium	7440-39-3	2000	2000	8.24E+01				
Bentazon	25057-89-0	-	300	6.59E-02				
Benzene	71-43-2	5	5	2.56E-03				
Benzo(a)pyrene (PAH)	50-32-8	0.2	0.2	2.35E-01				
Benzo(b)fluoranthene (PAH)	205-99-2	-	0.2	2.40E-01				
Beryllium	7440-41-7	4	4	3.16E+00				
Boron	7440-42-8	-	1000	3.20E+00				
Bromodichloromethane (THM)	75-27-4	80	0.6	1.63E-04				
Bromoform (THM)	75-25-2	80	4.4	1.17E-03				
Bromomethane	74-83-9	-	10	2.53E-03				
Butylate	2008-41-5	-	400	3.88E-01				
Cadmium	7440-43-9	5	5	3.76E-01				
Carbaryl	63-25-2	-	40	3.64E-02				
Carbofuran	1563-66-2	40	40	1.56E-02				
Carbon disulfide	75-15-0	-	1000	2.97E-01				
Carbon tetrachloride	56-23-5	5	5	1.94E-03				
Chloramben	133-90-4	-	150	3.63E-02				
Chlorodifluoromethane	75-45-6	-	7000	2.89E+00				
Chloroethane	75-00-3	-	400	1.13E-01				
Chloroform (THM)	67-66-3	80	6	1.67E-03				
Chlorpyrifos	2921-88-2	-	2	2.95E-02				
Chloromethane	74-87-3	-	30	7.76E-03				
Chromium (total)	7440-47-3	100	100	1.80E+05				
Chrysene (PAH)	218-01-9	-	0.2	7.25E-02				
Cobalt	7440-48-4	-	40	1.81E+00				
Copper	7440-50-8	1300	1300	4.58E+01				
Cyanazine	21725-46-2	-	1	4.68E-04				
Cyanide, free	57-12-5	200	200	2.02E+00				
Dacthal (DCPA)	1861-32-1	-	70	8.56E-02				
1,2-Dibromoethane	106-93-4	0.05	0.05	1.41E-05				
Dibromochloromethane (THM)	124-46-1	80	60	1.60E-02				
1,2-Dibromo-3-chloroethane (DBCP)	96-12-8	0.2	0.2	8.64E-05				
Dibutyl phthalate	84-74-2	-	1000	2.52E+00				
Dicamba	1918-00-9	-	300	7.76E-02				
1,2-Dichlorobenzene	95-50-1	600	600	5.84E-01				
1,3-Dichlorobenzene	541-73-1	-	600	5.76E-01				
1,4-Dichlorobenzene	106-46-7	75	75	7.20E-02				
Dichlorodifluoromethane	75-71-8	-	1000	1.54E+00				
1,1-Dichloroethane	75-34-3	-	850	2.42E-01				
1,2-Dichloroethane	107-06-2	5	5	1.42E-03				
1,1-Dichloroethylene	75-35-4	7	7	2.51E-03				
1,2-Dichloroethylene (cis)	156-59-2	70	70	2.06E-02				
1,2-Dichloroethylene (trans)	156-60-5	100	100	2.94E-02				
2,4-Dichlorophenoxyacetic acid (2,4-D)	94-75-7	70	70	1.81E-02				
1,2-Dichloropropane	78-87-5	5	5	1.66E-03				
1,3-Dichloropropane (cis/trans) (THM)	542-75-6	-	0.4	1.43E-04				
Di (2-ethylhexyl) phthalate	117-81-7	6	6	1.44E+00				
Dimethoate	60-51-5	-	2	4.51E-04				
2,4-Dinitrotoluene	121-14-2	-	0.05	6.76E-05				
2,6-Dinitrotoluene	606-20-2	-	0.05	6.88E-05				
Dinitrotoluene, Total Residues	25321-14-6	-	0.05	6.89E-05				
Dinoseb	88-85-7	7	7	6.15E-02				
1,4-Dioxane (p-dioxane)	123-91-1	-	3	6.18E-04				
Dioxin (2,3,7,8-TCDD)	1746-01-6	0	0	1.50E-05				
Endrin	72-20-8	2	2	8.08E-02				
EPTC	759-94-4	-	250	1.32E-01				

Type BRTS No.
Here (If Known).
Assess groundwater
levels separately.

Re-assess if Cr-VI present

Residual Contaminant Levels Protective of Groundwater Quality
 (Soil-to-Groundwater Scenario Results from: http://epa-prgs.ornl.gov/cgi-bin/chemicals/csl_search)

NR140 Substance	NR 140 CAS	Fed MCL (ug/l) (If Red, MCL>ES)	NR 140 ES (ug/l)	RCL-gw (mg/kg) DF=1	Use 2, or input the calculated site-specific DF →	2.00	INPUT NUMERIC Site Data Max (mg/kg)	Flag Individual Exceedance
Ethylbenzene	100-41-4	700	700	7.85E-01				
Ethyl Ether (Diethyl Ether)	60-29-7	-	1000	2.24E-01				
Ethylene glycol	107-21-1	-	14000	2.82E+00				
Fluoranthene	206-44-0	-	400	4.44E+01				
Fluorene (PAH)	86-73-7	-	400	7.41E+00				
Fluoride	7782-41-4	4000	4000	6.01E+02				
Fluorotrichloromethane	75-69-4	-	3490	2.23E+00				
Formaldehyde	50-00-0	-	1000	2.02E-01				
Heptachlor	76-44-8	0.4	0.4	3.31E-02				
Heptachlor epoxide	1024-57-3	0.2	0.2	4.08E-03				
Hexachlorobenzene	118-74-1	1	1	1.26E-02				
n-Hexane	110-54-3	-	600	4.22E+00				
Lead	7439-92-1	15	15	1.35E+01				
Lindane	58-89-9	0.2	0.2	1.16E-03				
Manganese	7439-96-5	-	300	1.96E+01				
Mercury	7439-97-6	2	2	1.04E-01				
Methanol	67-56-1	-	5000	1.01E+00				
Methoxychlor	72-43-5	40	40	2.16E+00				
Methylene chloride	75-09-2	5	5	1.28E-03				
Methyl ethyl ketone (MEK)	78-93-3	-	4000	8.39E-01				
Methyl isobutyl ketone (MIBK)	108-10-1	-	500	1.13E-01				
Methyl tert-butyl ether (MTBE)	1634-04-4	-	60	1.35E-02				
Metolachloris-Metolachlor	51218-45-2	-	100	1.17E-01				
Metribuzin	21087-64-9	-	70	2.14E-02				
Molybdenum	7439-98-7	-	40	8.08E-01				
Monochlorobenzene	108-90-7	100	100	6.79E-02				
Naphthalene	91-20-3	-	100	3.29E-01				
Nickel	7440-02-0	-	100	6.50E+00				
N-Nitrosodiphenylamine (NDPA)	86-30-6	-	7	3.82E-02				
Pentachlorophenol (PCP)	87-86-5	1	1	1.01E-02				
Phenol	108-95-2	-	2000	1.15E+00				
Picloram	1918-02-1	500	500	1.39E-01				
Polychlorinated biphenyls (PCBs)	1336-36-3	0.5	0.03	4.69E-03				
Prometon	1610-18-0	-	100	4.75E-02				
Propazine	139-40-2	-	10	8.86E-03				
Pyrene (PAH)	129-00-0	-	250	2.72E+01				
Pyridine	110-86-1	-	10	3.44E-03				
Selenium	7782-49-2	50	50	2.60E-01				
Silver	7440-22-4	-	50	4.25E-01				
Simazine	122-34-9	4	4	1.97E-03				
Styrene	100-42-5	100	100	1.10E-01				
Tertiary Butyl Alcohol (TBA)	75-65-0	-	12	2.45E-03				
1,1,1,2-Tetrachloroethane	630-20-6	-	70	2.67E-02				
1,1,2,2-Tetrachloroethane	79-34-5	-	0.2	7.80E-05				
Tetrachloroethylene (PCE)	127-18-4	5	5	2.27E-03				
Tetrahydrofuran	109-99-9	-	50	1.11E-02				
Thallium	7440-28-0	2	2	1.42E-01				
Toluene	108-88-3	1000	800	5.54E-01				
Toxaphene	8001-35-2	3	3	4.64E-01				
1,2,4-Trichlorobenzene	120-82-1	70	70	2.04E-01				
1,1,1-Trichloroethane	71-55-6	200	200	7.01E-02				
1,1,2-Trichloroethane	79-00-5	5	5	1.62E-03				
Trichloroethylene (TCE)	79-01-6	5	5	1.79E-03				
1,2,3-Trichloropropane and 1,2,4-Trichloropropane	93-72-1	50	50	2.75E-02				
1,2,3-Trichloropropane	96-18-4	-	60	2.60E-02				
Trifluralin	1582-09-8	-	7.5	2.48E-01				
1,1,1,2,2,2-Hexachloroethane	95-63-6/108-67-8	-	480	6.90E-01				
Vanadium	7440-62-2	-	-	-				
Vinyl chloride	75-01-4	2	0.2	6.90E-05				
Xylenes (m-, o-, p- combined)	1330-20-7	10000	2000	1.97E+00				

Type BRRTS No. Here (if Known). Assess groundwater levels separately.

Site-specific

Resident Equation Inputs for Soil

Variable	Value
TR (target cancer risk) unitless	1.0E-6
ED _r (exposure duration - resident) year	30
ET _r (exposure time - resident) hour	24
ED _c (exposure duration - child) year	6
ED _a (exposure duration - adult) year	24
BW _a (body weight - adult) kg	70
BW _c (body weight - child) kg	15
SA _a (skin surface area - adult) cm ² /day	5700
SA _c (skin surface area - child) cm ² /day	2800
THQ (target hazard quotient) unitless	1
LT (lifetime - resident) year	70
EF _r (exposure frequency) day/year	350
IRS _a (soil intake rate - adult) mg/day	100
IRS _c (soil intake rate - child) mg/day	200
AF _a (skin adherence factor - adult) mg/cm ²	0.07
AF _c (skin adherence factor - child) mg/cm ²	0.2
IFS _{adj} (age-adjusted soil ingestion factor) mg-year/kg-day	114
DFS _{adj} (age-adjusted soil dermal factor) mg-year/kg-day	361
IFSM _{adj} (mutagenic age-adjusted soil ingestion factor) mg-year/kg-day	489.5
DFSM _{adj} (mutagenic age-adjusted soil dermal factor) mg-year/kg-day	1445
ED ₀₋₂ (exposure duration first phase) year	2
ED ₂₋₆ (exposure duration second phase) year	4
ED ₆₋₁₆ (exposure duration third phase) year	10
ED ₁₆₋₂₀ (exposure duration fourth phase) year	14
City (Climate Zone) PEF Selection	Chicago, IL (7)
A _c (acres) PEF Selection	0.5
Q/C _{wp} (g/m ² -s per kg/m ³) PEF Selection	98.43071
PEF (particulate emission factor) m ³ /kg	1560521108
A (PEF Dispersion Constant)	16.8653

Site-specific

Resident Equation Inputs for Soil

Variable	Value
B (PEF Dispersion Constant)	18.7848
C (PEF Dispersion Constant)	215.0624
V (fraction of vegetative cover) unitless	0.5
U_m (mean annual wind speed) m/s	4.65
U_t (equivalent threshold value)	11.32
F(x) (function dependant on U_m/U_t) unitless	0.182
City (Climate Zone) VF Selection	Chicago, IL (7)
A_s (acres) VF Selection	0.5
Q/C_{wp} (g/m^2 -s per kg/m^3) VF Selection	98.43071
foc (fraction organic carbon in soil) g/g	0.006
ρ_b (dry soil bulk density) g/cm^3	1.5
ρ_s (soil particle density) g/cm^3	2.65
θ_w (water-filled soil porosity) L_{water}/L_{soil}	0.15
T (exposure interval) s	9.5e8
A (VF Dispersion Constant)	16.8653
B (VF Dispersion Constant)	18.7848
C (VF Dispersion Constant)	215.0624

Site-specific

Resident Screening Levels (RSL) for Soil

ca = cancer, nc = Noncancer, ca* (Where nc SL < 100 x ca SL)

ca = (Where nc SL < 10 x ca SL), max = SL exceeds ceiling limit (See User's Guide), sa = SL exceeds ca sl

sa (max = Soil SL exceeds ceiling limit and has been substituted with the max value (See User's Guide)

ssal = Soil Inhalation SL exceeds ca sl and has been substituted with the ca sl

Chemical	CAS Number	Mutagen?	VOC?	Ingestion SF		Inhalation Unit Risk		Chronic RfD		Chronic RfC		GIABS	ABS	RBA
				(mg/kg-day)	SFO Ref	(ug/m ³)	IUR Ref	(mg/kg-day)	RfD	(mg/m ³)	RfC			
Benzene	71-43-2	No	Yes	5.50E-02	I	7.80E-06	I	4.00E-03	I	3.00E-02	I	1	-	1
Cadmium (Diet)	7440-43-9	No	No	-	-	1.80E-03	I	1.00E-03	I	1.00E-05	A	0.025	0.001	1
Carbon tetrachloride	56-23-5	No	Yes	7.00E-02	I	6.00E-06	I	4.00E-03	I	1.00E-01	I	1	-	1
Dibromoethane, 1,2-	106-93-4	No	Yes	2.00E+00	I	6.00E-04	I	9.00E-03	I	9.00E-03	I	1	-	1
Dichloroethane, 1,2-	107-06-2	No	Yes	9.10E-02	I	2.60E-05	I	6.00E-03	X	7.00E-03	P	1	-	1
Dichloroethylene, 1,1-	75-35-4	No	Yes	-	-	-	-	5.00E-02	I	2.00E-01	I	1	-	1
Dichloroethylene, 1,2-cis	156-59-2	No	Yes	-	-	-	-	2.00E-03	I	-	-	1	-	1
Dichloroethylene, 1,2-trans-	156-60-5	No	Yes	-	-	-	-	2.00E-02	I	6.00E-02	P	1	-	1
Ethylbenzene	100-41-4	No	Yes	1.10E-02	C	2.50E-06	C	1.00E-01	I	1.00E+00	I	1	-	1
Lead and Compounds	7439-92-1	No	No	-	-	-	-	-	-	-	-	1	-	1
Methyl tert-Butyl Ether (MTBE)	1634-04-4	No	Yes	1.80E-03	C	2.60E-07	C	-	-	3.00E+00	I	1	-	1
Acenaphthene	83-32-9	No	Yes	-	-	-	-	6.00E-02	I	-	-	1	0.13	1
Anthracene	120-12-7	No	Yes	-	-	-	-	3.00E-01	I	-	-	1	0.13	1
Benz[a]anthracene	56-55-3	Yes	No	7.30E-01	W	1.10E-04	C	-	-	-	-	1	0.13	1
Benzo[b]fluoranthene	205-82-3	No	No	1.20E+00	C	1.10E-04	C	-	-	-	-	1	0.13	1
Benzo[a]pyrene	50-32-8	Yes	No	7.30E+00	I	1.10E-03	C	-	-	-	-	1	0.13	1
Benzo[b]fluoranthene	205-99-2	Yes	No	7.30E-01	W	1.10E-04	C	-	-	-	-	1	0.13	1
Benzo[k]fluoranthene	207-08-9	Yes	No	7.30E-02	W	1.10E-04	C	-	-	-	-	1	0.13	1
Chrysene	218-01-9	Yes	No	7.30E-03	W	1.10E-05	C	-	-	-	-	1	0.13	1
Dibenz[a,h]anthracene	53-70-3	Yes	No	7.30E+00	W	1.20E-03	C	-	-	-	-	1	0.13	1
Dibenz[a,e]pyrene	192-65-4	No	No	1.20E+01	C	1.10E-03	C	-	-	-	-	1	0.13	1
Dimethylbenz(a)anthracene, 7,12-	57-97-6	Yes	No	2.50E+02	C	7.10E-02	C	-	-	-	-	1	0.13	1
Fluoranthene	206-44-0	No	No	-	-	-	-	4.00E-02	I	-	-	1	0.13	1
Fluorene	86-73-7	No	Yes	-	-	-	-	4.00E-02	I	-	-	1	0.13	1
Indenol[1,2,3-cd]pyrene	193-39-5	Yes	No	7.30E-01	W	1.10E-04	C	-	-	-	-	1	0.13	1
Methylnaphthalene, 1-	90-12-0	No	Yes	2.90E-02	P	-	-	7.00E-02	A	-	-	1	0.13	1
Methylnaphthalene, 2-	91-57-6	No	Yes	-	-	-	-	4.00E-03	I	-	-	1	0.13	1
Naphthalene	91-20-3	No	Yes	-	-	3.40E-05	C	2.00E-02	I	3.00E-03	I	1	0.13	1

Site-specific

Resident Screening Levels (RSL) for Soil

ca=Cancer; nc=Noncancer; ca* (Where nc SL < 100 X ca SL)
 ca** (Where nc SL < 10 X ca SL) max=SL exceeds ceiling limit (see User's Guide) ca†=SL exceeds ca*
 Smax=Soil SL exceeds ceiling limit and has been substituted with the max value (see User's Guide)
 Ssa†=Soil Inhalation SL exceeds csat and has been substituted with the csat

Chemical	Volatilization Factor (m ³ /kg)	Soil Saturation Concentration (mg/kg)	Particulate Emission Factor (m ³ /kg)	Ingestion SL (mg/kg)	Dermal SL (mg/kg)	Inhalation SL (mg/kg)	Carcinogenic SL (mg/kg)	Ingestion	Dermal	Inhalation
								SL Child HQ=1 (mg/kg)	SL Child HQ=1 (mg/kg)	SL Child HQ=1 (mg/kg)
Benzene	5.49E+03	1.82E+03	1.56E+09	1.16E+01	-	1.71E+00	1.49E+00	3.13E+02	-	1.72E+02
Cadmium (Diet)	-	-	1.56E+09	-	-	2.11E+03	2.11E+03	7.82E+01	6.98E+02	1.63E+04
Carbon tetrachloride	2.32E+03	4.58E+02	1.56E+09	9.15E+00	-	9.42E-01	8.54E-01	3.13E+02	-	2.42E+02
Dibromoethane, 1,2-	1.34E+04	1.34E+03	1.56E+09	3.20E-01	-	5.45E-02	4.65E-02	7.04E+02	-	1.26E+02
Dichloroethane, 1,2-	7.16E+03	2.98E+03	1.56E+09	7.04E+00	-	6.65E-01	6.08E-01	4.69E+02	-	5.19E+01
Dichloroethylene, 1,1-	1.80E+03	1.19E+03	1.56E+09	-	-	-	-	3.91E+03	-	3.75E+02
Dichloroethylene, 1,2-gs	3.38E+03	2.37E+03	1.56E+09	-	-	-	-	1.56E+02	-	-
Dichloroethylene, 1,2-trans-	3.90E+03	1.67E+03	1.56E+09	-	-	-	-	1.56E+03	-	2.44E+02
Fluorobenzene	8.81E+03	4.30E+02	1.56E+09	5.82E+01	-	8.57E+00	7.47E+00	7.82E+03	-	9.18E+03
Lead and Compounds	-	-	1.56E+09	-	-	-	-	-	-	-
Methyllead (Methyllead, Methyllead)	7.62E+02	8.37E+03	1.56E+09	2.56E+02	-	7.13E+01	5.94E+01	-	-	2.38E+04
Acenaphthene	2.19E+05	-	1.56E+09	-	-	-	-	4.69E+03	1.29E+04	-
Anthracene	8.13E+05	-	1.56E+09	-	-	-	-	2.35E+04	6.45E+04	-
Benz[a]anthracene	-	-	1.56E+09	2.04E-01	5.32E-01	1.36E+04	1.48E-01	-	-	-
Benzo[a]anthracene	-	-	1.56E+09	5.34E-01	1.30E+00	3.45E+04	3.78E-01	-	-	-
Benzo[a]pyrene	-	-	1.56E+09	2.04E-02	5.32E-02	1.36E+03	1.48E-02	-	-	-
Benzo[b]fluoranthene	-	-	1.56E+09	2.04E-01	5.32E-01	1.36E+04	1.48E-01	-	-	-
Benzo[k]fluoranthene	-	-	1.56E+09	2.04E+00	5.32E+00	1.36E+04	1.48E+00	-	-	-
Chrysene	-	-	1.56E+09	2.04E-01	5.32E-01	1.36E+05	1.48E-01	-	-	-
Dibenz[a,h]anthracene	-	-	1.56E+09	2.04E-02	5.32E-02	1.25E+03	1.48E-02	-	-	-
Dibenz[a,g]perylene	-	-	1.56E+09	5.34E-02	1.30E-01	3.45E+03	3.78E-02	-	-	-
Dimethylbenz(a)anthracene, 7,12-	-	-	1.56E+09	5.97E-04	1.55E-03	2.11E+01	4.31E-04	-	-	-
Fluoranthene	-	-	1.56E+09	-	-	-	-	3.13E+03	8.59E+03	-
Fluorene	4.37E+05	-	1.56E+09	-	-	-	-	3.13E+03	8.59E+03	-
Indeno[1,2,3-cd]perylene	-	-	1.56E+09	2.04E-01	5.32E-01	1.36E+04	1.48E-01	-	-	-
Methylnaphthalene, 1-	9.11E+04	-	1.56E+09	2.21E+01	5.36E+01	-	1.56E+01	5.48E+03	1.50E+04	-
Methylnaphthalene, 2-	9.01E+04	-	1.56E+09	-	-	-	-	3.13E+02	8.59E+02	-
Naphthalene	7.20E+04	-	1.56E+09	-	-	5.15E+00	5.15E+00	1.56E+03	4.30E+03	2.25E+02

Site-specific

Resident Screening Levels (RSL) for Soil

ca=Cancer inc=Noncancer, ca (Where nc SL < 100 x ca SL)
 ca= Where nc SL < 10 x ca SL, max=SL exceeds ceiling limit (see User's Guide), ca=SL exceeds caa
 Smax=Soil SL exceeds ceiling limit and has been substituted with the max value (see User's Guide)
 Ssa=Soil Inhalation SL exceeds caa and has been substituted with the caa

Chemical	Noncarcinogenic Ingestion		Dermal	Inhalation Noncarcinogenic		Screening Level (mg/kg)
	SL Child HI=1 (mg/kg)	SL Adult HQ=1 (mg/kg)	SL Adult HQ=1 (mg/kg)	SL Adult HQ=1 (mg/kg)	SL Adult HI=1 (mg/kg)	
Benzene	1.11E+02	2.92E+03		1.72E+02	1.62E+02	1.19E+00 ca
Cadmium (Diet)	7.00E+01	7.30E+02	4.57E+03	1.63E+04	6.06E+02	7.00E+01 inc
Carbon tetrachloride	1.37E+02	2.92E+03		2.12E+02	2.74E+02	3.54E+01 ca
Dibromoethane, 1,2-	1.07E+02	6.57E+03	-	1.26E+02	1.24E+02	1.03E+02 ca
Dichloroethane, 1,2-	4.67E+01	4.38E+03		5.19E+01	5.13E+01	6.09E+01 ca
Dichloroethylene, 1,1-	3.42E+02	3.65E+04	-	3.75E+02	3.71E+02	2.25E+02 inc
Dichloroethylene, 1,2-cis	1.56E+02	1.46E+03			1.46E+03	1.56E+02 inc
Dichloroethylene, 1,2-trans-	2.11E+02	1.46E+04	-	2.44E+02	2.40E+02	2.11E+02 inc
Ethylbenzene	4.22E+03	7.30E+04		9.13E+03	8.16E+03	7.47E+00 ca
Lead and Compounds	-	-	-	-	-	1.00E+02 inc
Methyl tert-Butyl Ether (MTBE)	2.38E+04			2.38E+04	2.38E+04	2.94E+01 ca
Acenaphthene	3.44E+03	4.38E+04	8.44E+04	-	2.88E+04	3.44E+03 inc
Anthracene	1.72E+04	2.19E+05	4.22E+05		1.44E+05	1.72E+04 inc
Benzo[a]anthracene	-	-	-	-	-	4.8E+01 ca
Benzo[b]fluoranthene						3.78E+01 ca
Benzo[a]pyrene	-	-	-	-	-	4.8E+02 ca
Benzo[b]fluoranthene						1.48E+01 ca
Benzo[k]fluoranthene	-	-	-	-	-	1.48E+00 ca
Chrysene						1.48E+01 ca
Dibenz[a,h]anthracene	-	-	-	-	-	1.48E+02 ca
Dibenz[a,b]pyrene						3.78E+02 ca
Dimethylbenz(a)anthracene, 7,12-	-	-	-	-	-	1.63E+04 ca
Fluoranthene	2.29E+03	2.92E+04	5.63E+04		1.92E+04	2.29E+03 inc
Fluorene	2.29E+03	2.92E+04	5.63E+04	-	1.92E+04	2.29E+03 inc
Indeno[1,2,3-cd]pyrene						1.48E+01 ca
Methylnaphthalene, 1-	4.01E+03	5.11E+04	9.85E+04	-	3.36E+04	4.01E+03 ca
Methylnaphthalene, 2-	2.29E+02	2.92E+03	5.63E+03		1.92E+03	2.29E+02 inc
Naphthalene	1.88E+02	1.46E+04	2.81E+04	2.25E+02	2.20E+02	1.88E+02 ca

Site-specific

Resident Screening Levels (RSL) for Soil

ca = Cancer risk = Noncancer ca* (Where nc SL < 100 x ca SL)
 ca* = (Where nc SL < 10 x ca SL), max = SL exceeds ceiling limit (see User's Guide), ca = SL exceeds ca SL
 Smax = Soil SL exceeds ceiling limit and has been substituted with the max value (see User's Guide)
 Ssat = Soil Inhalation SL exceeds csat and has been substituted with the csat

Chemical	CAS Number	Mutagen?	VOC? (mg/kg-day)	Ingestion SF		Inhalation Unit Risk		Chronic RfD		Chronic RfC		GIABS	ABS	RBA
				SFO Ref	IUR Ref	RfD Ref	RfC Ref							
Nitrofluorene, 7F	57835-92-4	No	No	1.20E+00	C	1.10E-04	C	-	-	-	-	1	0.13	1
Pyrene	129-00-0	No	Yes	-	-	-	-	3.00E-02	I	-	-	1	0.13	1
Tetrachloroethylene	127-18-4	No	Yes	2.10E-03	I	2.60E-07	I	6.00E-03	I	4.00E-02	I	1	-	1
Toluene	108-88-3	No	Yes	-	-	-	-	8.00E-02	I	5.00E+00	I	1	-	1
Trichloroethane, 1,1,1-	71-55-6	No	Yes	-	-	-	-	2.00E+00	I	5.00E+00	I	1	-	1
Trichloroethylene	79-01-6	Yes	Yes	4.60E-02	I	4.10E-06	I	5.00E-04	I	2.00E-03	I	1	-	1
Trimethylbenzene, 1,2,4-	95-63-6	No	Yes	-	-	-	-	-	-	7.00E-03	P	1	-	1
Trimethylbenzene, 1,3,5-	108-67-8	No	Yes	-	-	-	-	1.00E-02	X	-	-	1	-	1
Vinyl chloride	75-01-4	Yes	Yes	7.20E-01	I	4.40E-06	I	3.00E-03	I	1.00E-01	I	1	-	1
Xylenes	1330-20-7	No	Yes	-	-	-	-	2.00E-01	I	1.00E-01	I	1	-	1

Site-specific

Resident Screening Levels (RSL) for Soil

ca=Cancer, nc=Noncancer, ca* (Where nc SL < 100 x ca SL),
 ca** (Where nc SL < 10 x ca SL), max=SL exceeds ceiling limit (see User's Guide), sat=SL exceeds csat
 Smax=Soil SL exceeds ceiling limit and has been substituted with the max value (see User's Guide)
 Ssat=Soil inhalation SL exceeds csat and has been substituted with the csat

Chemical	Volatilization Factor (m ³ /kg)	Soil Saturation Concentration (mg/kg)	Particulate Emission Factor (m ³ /kg)	Ingestion SL (mg/kg) TR=1.0E-6	Dermal SL (mg/kg) TR=1.0E-6	Inhalation SL (mg/kg) TR=1.0E-6	Carcinogenic SL (mg/kg) TR=1.0E-6	Ingestion SL Child HQ=1 (mg/kg)	Dermal SL Child HQ=1 (mg/kg)	Inhalation SL Child HQ=1 (mg/kg)
Nitropyrene, 4-			1.56E+09	5.34E-01	1.30E+00	3.45E+04	3.78E-01	-	-	-
Pyrene	3.70E+06	-	1.56E+09	-	-	-	-	2.35E+03	6.45E+03	-
Tetrachloroethylene	3.65E+03	1.66E+02	1.56E+09	3.05E+02	-	3.41E+01	3.07E+01	4.69E+02	-	1.52E+02
Toluene	6.66E+03	8.18E+02	1.56E+09	-	-	-	-	6.26E+03	-	3.47E+04
Trichloroethane, 1,1,1-	2.56E+03	6.40E+02	1.56E+09	-	-	-	-	1.56E+05	-	1.34E+04
Trichloroethylene	3.43E+03	6.92E+02	1.56E+09	3.24E+00	-	8.04E-01	6.44E-01	3.91E+01	-	7.16E+00
Trimethylbenzene, 1,2,4-	1.23E+04	2.19E+02	1.56E+09	-	-	-	-	-	-	8.98E+01
Trimethylbenzene, 1,3,5-	1.03E+04	1.82E+02	1.56E+09	-	-	-	-	7.82E+02	-	-
Vinyl chloride	1.49E+03	3.92E+03	1.56E+09	9.32E-02	-	2.39E-01	6.71E-02	2.35E+02	-	1.55E+02
Xylenes	9.05E+03	2.58E+02	1.56E+09	-	-	-	-	1.56E+04	-	9.44E+02

Site-specific

Resident Screening Levels (RSL) for Soil

ca=Cancer, nc=Noncancer, ca* (Where nc SL < 100 x ca SL)
 ca* (Where nc SL < 10 x ca SL), max=SL exceeds ceiling limit (see User's Guide), sat=SL exceeds csat
 Smax=Soil SL exceeds ceiling limit and has been substituted with the max value (see User's Guide)
 Ssat=Soil inhalation SL exceeds csat and has been substituted with the csat

Chemical	Noncarcinogenic Ingestion		Dermal	Inhalation Noncarcinogenic		Screening Level (mg/kg)
	SL Child HI=1 (mg/kg)	SL Adult HQ=1 (mg/kg)	SL Adult HQ=1 (mg/kg)	SL Adult HQ=1 (mg/kg)	SL Adult HI=1 (mg/kg)	
Nitroxyrene, 4-	-	-	-	-	-	6.73E+01 ca*
Pyrene	1.72E+03	2.19E+04	4.22E+04	-	1.44E+04	7.2E+03 nc
Tetrachloroethylene	1.15E+02	4.38E+03	-	1.52E+02	1.47E+02	1.07E+01 ca*
Toluene	5.30E+03	5.84E+04	-	3.47E+04	2.18E+04	3.0E+02 sat
Trichloroethane, 1,1,1-	1.23E+04	1.46E+06	-	1.34E+04	1.32E+04	1.23E+01 ca*
Trichloroethylene	6.05E+00	3.65E+02	-	7.16E+00	7.02E+00	6.41E+01 ca*
Trimethylbenzene, 1,2,4-	8.98E+01	-	-	8.98E+01	8.98E+01	8.98E+01 nc
Trimethylbenzene, 1,3,5-	7.82E+02	7.30E+03	-	-	7.30E+03	8.2E+02 sat
Vinyl Chloride	9.33E+01	2.19E+03	-	1.55E+02	1.45E+02	6.71E+02 ca*
Xylenes	8.90E+02	1.46E+05	-	9.44E+02	9.37E+02	8.90E+02 sat

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(22) "Wastewater and sludge storage or treatment lagoon" means a natural or man-made containment structure, constructed primarily of earthen materials for the treatment or storage of wastewater or sludge, which is not a land disposal system.

History: O. Register, September, 1985, No. 357, eff. 10-1-85; cr. (1m), am (7), (17) and (18), Register, October, 1988, No. 394, eff. 11-1-88; am (6), cr. (20h) and (20m), Register, March, 1994, No. 439, eff. 4-1-94; cr. (1s), (10e), (10s), (20k), r. and rec. (12), (13), Register, August, 1995, No. 476, eff. 9-1-95; cr. (14m), Register, October, 1996, No. 490, eff. 11-1-96; am (20), Register, December, 1998, No. 516, eff. 1-1-99; correction in (9) made under s. 13.93 (2m) (b) 7, Stats., Register, April, 2001, No. 544; CR 02-134: cr. (1u), (1w), (1y) and (20s) Register June 2003 No. 570, eff. 7-1-03.

Subchapter II — Groundwater Quality Standards

NR 140.10 Public health related groundwater standards. The groundwater quality standards for substances of public health concern are listed in Table 1.

Note: For all substances that have carcinogenic, mutagenic or teratogenic properties or interactive effects, the preventive action limit is 10% of the enforcement standard. The preventive action limit is 20% of the enforcement standard for all other substances that are of public health concern. Enforcement standards and preventive action limits for additional substances will be added to Table 1 as recommendations are developed pursuant to ss. 160.07, 160.13 and 160.15, Stats.

Table 1
Public Health Groundwater Quality Standards

Substance ¹	Enforcement Standard (micrograms per liter — except as noted)	Preventive Action Limit (micrograms per liter — except as noted)
Acetochlor	7	0.7
Acetochlor ethane sulfonic acid + oxanilic acid (Acetochlor — ESA + OXA)	230	46
Acetone	9 mg/l	1.8 mg/l
Alachlor	2	0.2
Alachlor ethane sulfonic acid (Alachlor — ESA)	20	4
Aldicarb	10	2
Aluminum	200	40
Ammonia (as N)	9.7 mg/l	0.97 mg/l
Antimony	6	1.2
Anthracene	3000	600
Arsenic	10	1
Asbestos	7 million fibers per liter (MFL)	0.7 MFL
Atrazine, total chlorinated residues	3 ²	0.3 ²
Bacteria, Total Coliform	0 ³	0 ³
Barium	2 milligrams/liter (mg/l)	0.4 mg/l
Bentazon	300	60
Benzene	5	0.5
Benzo(b)fluoranthene	0.2	0.02
Benzo(a)pyrene	0.2	0.02
Beryllium	4	0.4
Boron	1000	200
Bromodichloromethane	0.6	0.06
Bromoform	4.4	0.44
Bromomethane	10	1
Butylate	400	80
Cadmium	5	0.5
Carbaryl	40	4
Carbofuran	40	8
Carbon disulfide	1000	200
Carbon tetrachloride	5	0.5
Chloramben	150	30
Chlordane	2	0.2
Chlorodifluoromethane	7 mg/l	0.7 mg/l
Chloroethane	400	80
Chloroform	6	0.6
Chlorpyrifos	2	0.4
Chloromethane	30	3
Chromium (total)	100	10
Chrysene	0.2	0.02

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Table 1 – Continued
Public Health Groundwater Quality Standards

Substance ¹	Enforcement Standard (micrograms per liter – except as noted)	Preventive Action Limit (micrograms per liter – except as noted)
Cobalt	40	8
Copper	1300	130
Cyanazine	1	0.1
Cyanide, free ⁴	200	40
Dacthal	70	14
1,2-Dibromoethane (EDB)	0.05	0.005
Dibromochloromethane	60	6
1,2-Dibromo-3-chloropropane (DBCP)	0.2	0.02
Dibutyl phthalate	1000	100
Dicamba	300	60
1,2-Dichlorobenzene	600	60
1,3-Dichlorobenzene	600	120
1,4-Dichlorobenzene	75	15
Dichlorodifluoromethane	1000	200
1,1-Dichloroethane	850	85
1,2-Dichloroethane	5	0.5
1,1-Dichloroethylene	7	0.7
1,2-Dichloroethylene (cis)	70	7
1,2-Dichloroethylene (trans)	100	20
2,4-Dichlorophenoxyacetic Acid (2,4-D)	70	7
1,2-Dichloropropane	5	0.5
1,3-Dichloropropene (cis/trans)	0.4	0.04
Di (2-ethylhexyl) phthalate	6	0.6
Dimethenamid/Dimethenamid-P	50	5
Dimethoate	2	0.4
2,4-Dinitrotoluene	0.05	0.005
2,6-Dinitrotoluene	0.05	0.005
Dinitrotoluene, Total Residues ⁵	0.05	0.005
Dinoseb	7	1.4
1,4-Dioxane	3	0.3
Dioxin (2, 3, 7, 8-TCDD)	0.00003	0.000003
Endrin	2	0.4
EPTC	250	50
Ethylbenzene	700	140
Ethyl ether	1000	100
Ethylene glycol	14 mg/l	2.8 mg/l
Fluoranthene	400	80
Fluorene	400	80
Fluoride	4 mg/l	0.8 mg/l
Fluorotrichloromethane	3490	698
Formaldehyde	1000	100
Heptachlor	0.4	0.04
Heptachlor epoxide	0.2	0.02
Hexachlorobenzene	1	0.1
N-Hexane	600	120
Hydrogen sulfide	30	6
Lead	15	1.5
Lindane	0.2	0.02
Manganese	300	60
Mercury	2	0.2

Unofficial Text (See Printed Volume). Current through date and Register shown on Title Page.

Table 1 – Continued
Public Health Groundwater Quality Standards

Substance ¹	Enforcement Standard (micrograms per liter – except as noted)	Preventive Action Limit (micrograms per liter – except as noted)
Methanol	5000	1000
Methoxychlor	40	4
Methylene chloride	5	0.5
Methyl ethyl ketone (MEK)	4 mg/l	0.8 mg/l
Methyl isobutyl ketone (MIBK)	500	50
Methyl tert-butyl ether (MTBE)	60	12
Metolachlor/s-Metolachlor	100	10
Metolachlor ethane sulfonic acid + oxanilic acid (Metolachlor – ESA + OXA)	1.3 mg/l	0.26 mg/l
Metribuzin	70	14
Molybdenum	40	8
Monochlorobenzene	100	20
Naphthalene	100	10
Nickel	100	20
Nitrate (as N)	10 mg/l	2 mg/l
Nitrate + Nitrite (as N)	10 mg/l	2 mg/l
Nitrite (as N)	1 mg/l	0.2 mg/l
N-Nitrosodiphenylamine	7	0.7
Pentachlorophenol (PCP)	1	0.1
Perchlorate	1	0.1
Phenol	2 mg/l	0.4 mg/l
Picloram	500	100
Polychlorinated biphenyls (PCBs)	0.03	0.003
Prometon	100	20
Propazine	10	2
Pyrene	250	50
Pyridine	10	2
Selenium	50	10
Silver	50	10
Simazine	4	0.4
Styrene	100	10
Tertiary Butyl Alcohol (TBA)	12	1.2
1,1,1,2-Tetrachloroethane	70	7
1,1,2,2-Tetrachloroethane	0.2	0.02
Tetrachloroethylene	5	0.5
Tetrahydrofuran	50	10
Thallium	2	0.4
Toluene	800	160
Toxaphene	3	0.3
1,2,4-Trichlorobenzene	70	14
1,1,1-Trichloroethane	200	40
1,1,2-Trichloroethane	5	0.5
Trichloroethylene (TCE)	5	0.5
2,4,5-Trichlorophenoxy-propionic acid (2,4,5-TP)	50	5
1,2,3-Trichloropropane	60	12
Trifluralin	7.5	0.75
Trimethylbenzenes (1,2,4- and 1,3,5- combined)	480	96
Vanadium	30	6

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Table 1 – Continued
Public Health Groundwater Quality Standards

Substance ¹	Enforcement Standard (micrograms per liter – except as noted)	Preventive Action Limit (micrograms per liter – except as noted)
Vinyl chloride	0.2	0.02
Xylene ⁶	2 mg/l	0.4 mg/l

¹ Appendix I contains Chemical Abstract Service (CAS) registry numbers, common synonyms and trade names for most substances listed in Table 1.

² Total chlorinated atrazine residues includes parent compound and the following metabolites of health concern: 2-chloro-4-amino-6-isopropylamino-s-triazine (formerly deethylatrazine), 2-chloro-4-amino-6-ethylamino-s-triazine (formerly deisopropylatrazine) and 2-chloro-4,6-diamino-s-triazine (formerly diaminotrazine).

³ Total coliform bacteria may not be present in any 100 ml sample using either the membrane filter (MF) technique, the presence-absence (P-A) coliform test, the minimal medium ONPG-MUG (MIMO-MUG) test or not present in any 10 ml portion of the 10-tube multiple tube fermentation (MTF) technique.

⁴ "Cyanide, free" refers to the simple cyanides (HCN, CN⁻) and/or readily dissociable metal-cyanide complexes. Free cyanide is regulatorily equivalent to cyanide quantified by approved analytical methods for "amenable cyanide" or "available cyanide".

⁵ Dinitrotoluenes, Total Residues includes the dinitrotoluene (DNT) isomers: 2,3-DNT, 2,4-DNT, 2,5-DNT, 2,6-DNT, 3,4-DNT and 3,5-DNT.

⁶ Xylene includes meta-, ortho-, and para-xylene combined.

History: Cr. Register, September, 1985, No. 357, eff. 10-1-85; am. table 1, Register, October, 1988, No. 394, eff. 11-1-88; am. table 1, Register, September, 1990, No. 417, eff. 10-1-90; am. Register, January, 1992, No. 433, eff. 2-1-92; am. Table 1, Register, March, 1994, No. 459, eff. 4-1-94; am. Table 1, Register, August, 1995, No. 476, eff. 9-1-95; am. Table 1, Register, December, 1998, No. 516, eff. 1-1-99; am. Table 1, boron, Register, December, 1998, No. 516, eff. 12-31-99; am. Table 1, Register, March, 2000, No. 531, eff. 4-1-00; CR 03-063; am. Table 1, Register February 2004 No. 578, eff. 3-1-04; CR 02-095; am. Table 1, Register November 2006 No. 611, eff. 12-1-06; reprinted to correct errors in Table 1, Register January 2007 No. 613; CR 07-034; am. Table 1 Register January 2008 No. 625, eff. 2-1-08; CR 09-102; am. Table 1 Register December 2010 No. 660, eff. 1-1-11.

NR 140.12 Public welfare related groundwater standards. The groundwater quality standards for substances of public welfare concern are listed in Table 2.

Note: For each substance of public welfare concern, the preventive action limit is 50% of the established enforcement standard.

Table 2
Public Welfare Groundwater Quality Standards

Substance	Enforcement Standard (milligrams per liter – except as noted)	Preventive Action Limit (milligrams per liter – except as noted)
Chloride	250	125
Color	15 color units	7.5 color units
Foaming agents MBAS (Methylene-Blue Active Substances)	0.5	0.25
Iron	0.3	0.15
Manganese	0.05	0.025
Odor	3 (Threshold Odor No.)	1.5 (Threshold Odor No.)
Sulfate	250	125
Zinc	5	2.5

History: Cr. Register, September, 1985, No. 357, eff. 10-1-85; am. table 2, Register, October, 1990, No. 418, eff. 11-1-90; am. Table 2, Register, March, 1994, No. 459, eff. 4-1-94.

NR 140.14 Statistical procedures. (1) If a preventive action limit or an enforcement standard for a substance listed in Table 1 or 2, an alternative concentration limit issued in accordance with s. NR 140.28 or a preventive action limit for an indicator parameter established according to s. NR 140.20 (2) is attained or exceeded at a point of standards application:

(a) The owner or operator of the facility, practice or activity at which a standard is attained or exceeded shall notify the appropriate regulatory agency that a standard has been attained or exceeded; and

(b) The regulatory agency shall require a response in accordance with the rules promulgated under s. 160.21, Stats. No response shall be required if it is demonstrated to the satisfaction of the appropriate regulatory agency that a scientifically valid determination cannot be made that the preventive action limit or enforcement standard for a substance in Table 1 or 2 has been attained or exceeded based on consideration of sampling procedures or laboratory precision and accuracy, at a significance level of 0.05.

(2) The regulatory agency shall use one or more valid statistical procedures to determine if a change in the concentration of a substance has occurred. A significance level of 0.05 shall be used for all tests.

(3) In addition to sub. (2), the following applies when a preventive action limit or enforcement standard is equal to or less than the limit of quantitation:

(a) If a substance is not detected in a sample, the regulatory agency may not consider the preventive action limit or enforcement standard to have been attained or exceeded.

(b) If the preventive action limit or enforcement standard is less than the limit of detection, and the concentration of a substance is reported between the limit of detection and the limit of quantitation, the regulatory agency shall consider the preventive action limit or enforcement standard to be attained or exceeded only if:

1. The substance has been analytically confirmed to be present in the same sample using an equivalently sensitive analytical method or the same analytical method, and

2. The substance has been statistically confirmed to be present above the preventive action limit or enforcement standard, determined by an appropriate statistical test with sufficient samples at a significance level of 0.05.

(c) If the preventive action limit or enforcement standard is between the limit of detection and the limit of quantitation, the regulatory agency shall consider the preventive action limit or

**Y Go By Tavern
Slug Test Calculations**

MW-1

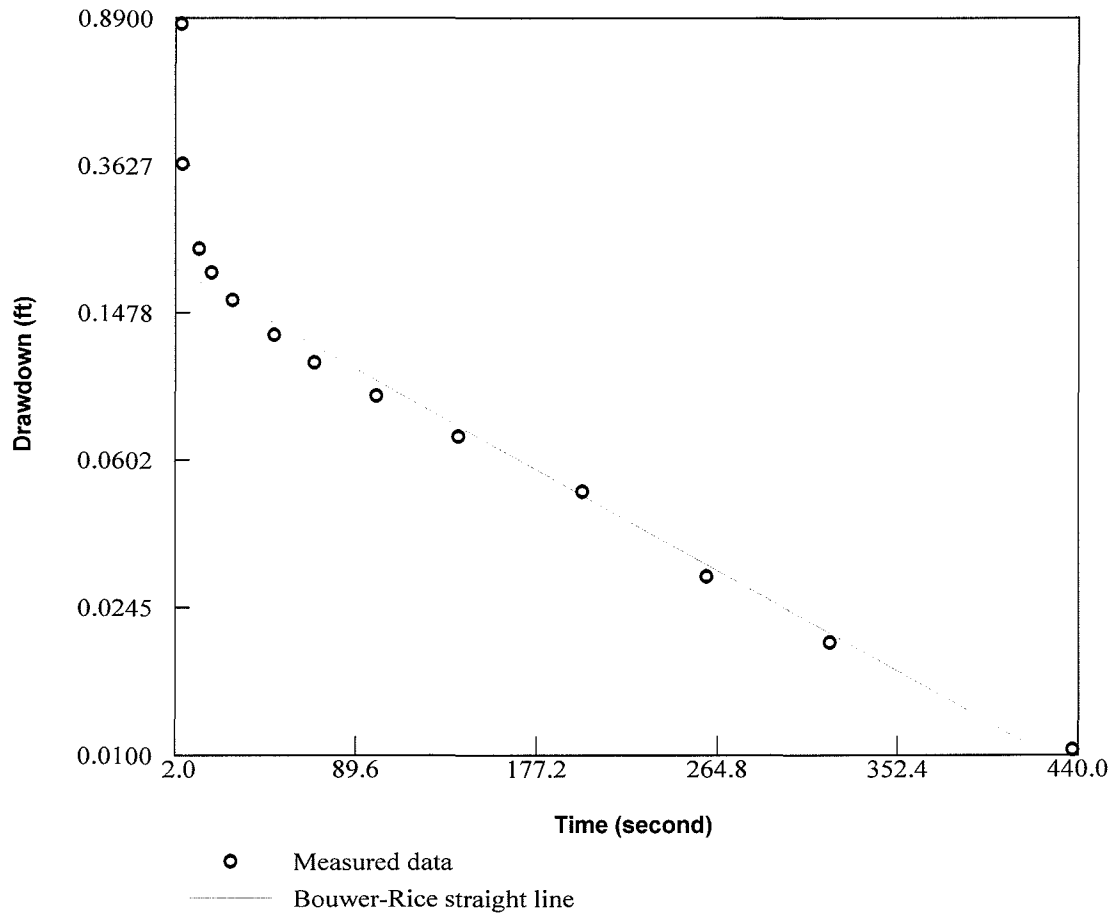
	ft/s	cm/s	m/yr
K	8.17E-06	2.49E-04	78.53
	sq ft/s	sq cm/s	
T	5.24E-05	4.87E-02	

MW-2

	ft/s	cm/s	m/yr
K	1.22E-05	3.72E-04	117.27
	sq ft/s	sq cm/s	
T	7.78E-05	7.23E-02	

Date	Elv. (High)	Elv. (Low)	Distance (ft)	Hyd Grad (I)
6/18/2014	823.80	823.60	67	0.0029851
9/18/2014	823.90	823.70	60	0.0033333
Average				0.0031592

	K (m/yr)	I	n	Flow Velocity (m/yr)
MW-1	78.53	0.0031592	0.3	0.82697
MW-2	117.27	0.0031592	0.3	1.23493



Aquifer Parameters by the Bouwer and Rice Slug Test

Hydraulic Conductivity (ft/s):	8.17e-006
Transmissivity (sq ft/s):	5.24e-005

Y Go By Tavern MW-1 Slug Out

Y Go By Tavern
 MW-1 Slug Out

LEVEL[ft]	TEMPERATURE[°C]	Time(seconds)	Drawdown
39.62	11.15	0	0
38.73	11.15	2	0.89
39.05	11.15	4	0.57
39.25	11.15	6	0.37
39.33	11.14	8	0.29
39.36	11.14	10	0.26
39.39	11.13	12	0.23
39.4	11.13	14	0.22
39.42	11.13	16	0.2
39.43	11.13	18	0.19
39.43	11.13	20	0.19
39.44	11.12	22	0.18
39.44	11.12	24	0.18
39.44	11.12	26	0.18
39.46	11.11	28	0.16
39.46	11.11	30	0.16
39.46	11.11	32	0.16
39.46	11.11	34	0.16
39.47	11.11	36	0.15
39.47	11.11	38	0.15
39.47	11.11	40	0.15
39.47	11.11	42	0.15
39.49	11.1	44	0.13
39.49	11.1	46	0.13
39.49	11.1	48	0.13
39.49	11.1	50	0.13
39.49	11.09	52	0.13
39.49	11.09	54	0.13
39.49	11.09	56	0.13
39.49	11.09	58	0.13
39.5	11.09	60	0.12
39.5	11.09	62	0.12
39.5	11.09	64	0.12
39.5	11.09	66	0.12
39.51	11.09	68	0.11
39.51	11.09	70	0.11
39.51	11.09	72	0.11
39.52	11.08	74	0.1
39.52	11.08	76	0.1
39.52	11.08	78	0.1
39.53	11.08	80	0.09
39.52	11.08	82	0.1
39.53	11.08	84	0.09
39.53	11.07	86	0.09
39.53	11.07	88	0.09
39.53	11.07	90	0.09
39.53	11.07	92	0.09

Y Go By Tavern
MW-1 Slug Out

39.53	11.07	94	0.09
39.52	11.07	96	0.1
39.53	11.07	98	0.09
39.53	11.06	100	0.09
39.53	11.06	102	0.09
39.53	11.06	104	0.09
39.53	11.06	106	0.09
39.54	11.05	108	0.08
39.53	11.05	110	0.09
39.54	11.05	112	0.08
39.54	11.05	114	0.08
39.54	11.05	116	0.08
39.55	11.05	118	0.07
39.55	11.05	120	0.07
39.54	11.05	122	0.08
39.54	11.05	124	0.08
39.54	11.05	126	0.08
39.54	11.05	128	0.08
39.55	11.05	130	0.07
39.55	11.05	132	0.07
39.55	11.05	134	0.07
39.55	11.05	136	0.07
39.55	11.05	138	0.07
39.55	11.05	140	0.07
39.55	11.05	142	0.07
39.55	11.05	144	0.07
39.55	11.05	146	0.07
39.56	11.05	148	0.06
39.56	11.05	150	0.06
39.56	11.05	152	0.06
39.56	11.05	154	0.06
39.56	11.05	156	0.06
39.56	11.05	158	0.06
39.56	11.05	160	0.06
39.56	11.05	162	0.06
39.56	11.05	164	0.06
39.56	11.05	166	0.06
39.56	11.05	168	0.06
39.57	11.05	170	0.05
39.57	11.05	172	0.05
39.57	11.04	174	0.05
39.57	11.05	176	0.05
39.57	11.05	178	0.05
39.57	11.05	180	0.05
39.57	11.05	182	0.05
39.57	11.05	184	0.05
39.57	11.05	186	0.05
39.57	11.05	188	0.05

Y Go By Tavern
MW-1 Slug Out

39.57	11.05	190	0.05
39.57	11.05	192	0.05
39.57	11.05	194	0.05
39.57	11.05	196	0.05
39.57	11.05	198	0.05
39.57	11.05	200	0.05
39.57	11.05	202	0.05
39.57	11.05	204	0.05
39.57	11.05	206	0.05
39.57	11.05	208	0.05
39.57	11.05	210	0.05
39.57	11.05	212	0.05
39.58	11.05	214	0.04
39.57	11.05	216	0.05
39.57	11.05	218	0.05
39.58	11.05	220	0.04
39.58	11.05	222	0.04
39.58	11.05	224	0.04
39.58	11.05	226	0.04
39.58	11.05	228	0.04
39.58	11.05	230	0.04
39.58	11.05	232	0.04
39.58	11.05	234	0.04
39.58	11.05	236	0.04
39.58	11.05	238	0.04
39.58	11.05	240	0.04
39.58	11.05	242	0.04
39.58	11.05	244	0.04
39.58	11.06	246	0.04
39.58	11.06	248	0.04
39.58	11.06	250	0.04
39.59	11.06	252	0.03
39.58	11.06	254	0.04
39.58	11.07	256	0.04
39.58	11.06	258	0.04
39.59	11.07	260	0.03
39.59	11.07	262	0.03
39.59	11.07	264	0.03
39.59	11.07	266	0.03
39.59	11.07	268	0.03
39.59	11.07	270	0.03
39.59	11.07	272	0.03
39.59	11.07	274	0.03
39.59	11.07	276	0.03
39.6	11.07	278	0.02
39.6	11.07	280	0.02
39.59	11.07	282	0.03
39.59	11.07	284	0.03

Y Go By Tavern
MW-1 Slug Out

39.59	11.07	286	0.03
39.6	11.08	288	0.02
39.6	11.08	290	0.02
39.6	11.08	292	0.02
39.6	11.08	294	0.02
39.6	11.09	296	0.02
39.59	11.09	298	0.03
39.6	11.09	300	0.02
39.6	11.09	302	0.02
39.6	11.09	304	0.02
39.6	11.09	306	0.02
39.6	11.09	308	0.02
39.6	11.09	310	0.02
39.6	11.09	312	0.02
39.6	11.09	314	0.02
39.59	11.09	316	0.03
39.6	11.09	318	0.02
39.6	11.09	320	0.02
39.6	11.09	322	0.02
39.6	11.09	324	0.02
39.6	11.09	326	0.02
39.6	11.09	328	0.02
39.6	11.09	330	0.02
39.6	11.09	332	0.02
39.6	11.1	334	0.02
39.6	11.1	336	0.02
39.6	11.1	338	0.02
39.6	11.1	340	0.02
39.6	11.11	342	0.02
39.6	11.11	344	0.02
39.6	11.11	346	0.02
39.6	11.11	348	0.02
39.6	11.11	350	0.02
39.61	11.11	352	0.02
39.6	11.11	354	0.02
39.61	11.11	356	0.02
39.6	11.11	358	0.02
39.6	11.11	360	0.02
39.61	11.11	362	0.02
39.61	11.11	364	0.02
39.61	11.11	366	0.02
39.61	11.11	368	0.02
39.61	11.11	370	0.02
39.61	11.11	372	0.02
39.61	11.11	374	0.02
39.6	11.11	376	0.02
39.61	11.11	378	0.02
39.61	11.11	380	0.02

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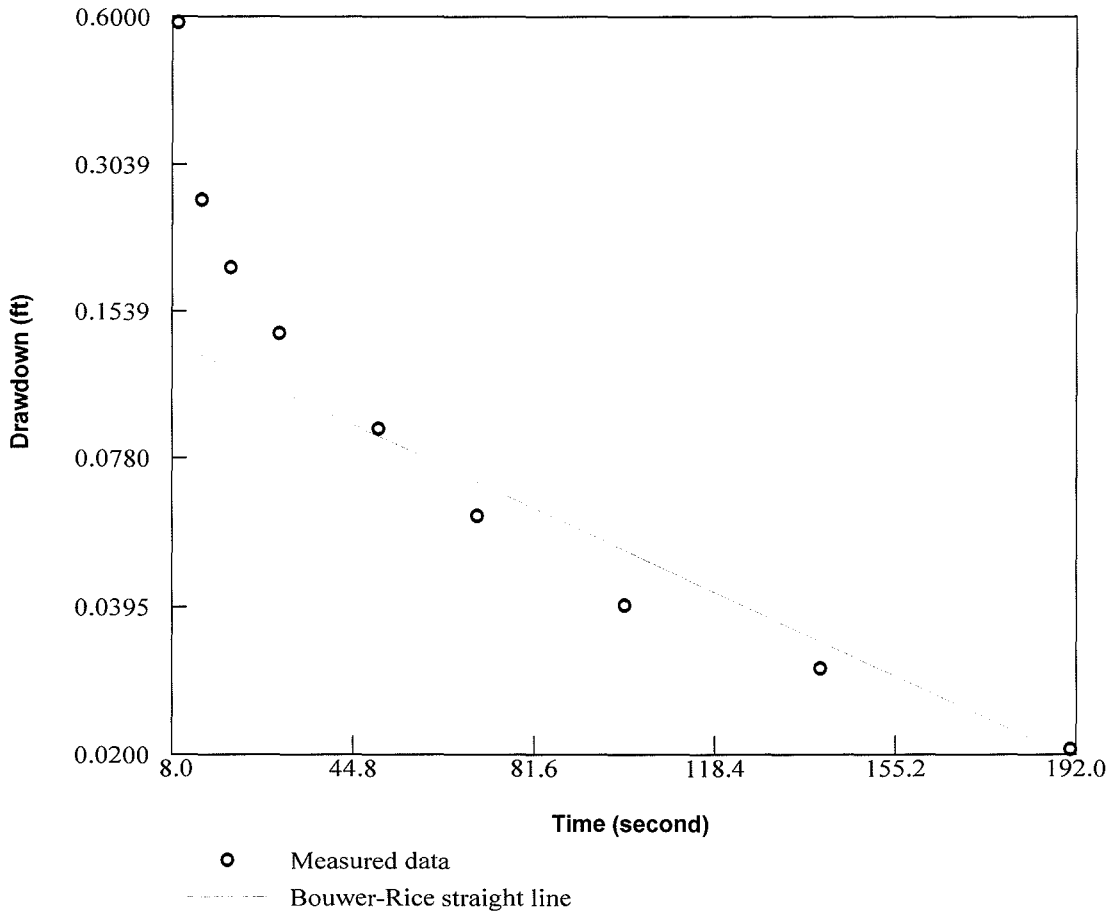
39.61	11.11	382	0.02
39.61	11.11	384	0.02
39.61	11.11	386	0.02
39.6	11.11	388	0.02
39.61	11.11	390	0.02
39.6	11.11	392	0.02
39.6	11.11	394	0.02
39.6	11.11	396	0.02
39.6	11.11	398	0.02
39.6	11.11	400	0.02
39.6	11.11	402	0.02
39.61	11.12	404	0.02
39.6	11.11	406	0.02
39.6	11.11	408	0.02
39.61	11.12	410	0.02
39.6	11.11	412	0.02
39.61	11.12	414	0.02
39.61	11.12	416	0.02
39.61	11.12	418	0.02
39.61	11.12	420	0.02
39.61	11.12	422	0.01
39.61	11.12	424	0.02
39.61	11.12	426	0.01
39.62	11.12	428	0
39.61	11.12	430	0.01
39.61	11.12	432	0.01
39.61	11.13	434	0.01
39.61	11.13	436	0.01
39.61	11.13	438	0.02
39.61	11.13	440	0.01
39.61	11.13	442	0.01
39.61	11.13	444	0.01
39.61	11.13	446	0.01
39.61	11.13	448	0.01
39.61	11.13	450	0.02
39.61	11.13	452	0.01
39.61	11.13	454	0.02
39.61	11.13	456	0.02
39.61	11.13	458	0.02
39.61	11.13	460	0.02
39.61	11.13	462	0.02
39.6	11.14	464	0.02
39.61	11.14	466	0.01
39.61	11.14	468	0.01
39.61	11.14	470	0.01
39.6	11.14	472	0.02
39.61	11.15	474	0.01
39.62	11.15	476	0

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 MW-1 Slug Out

39.61	11.15	478	0.02
39.61	11.15	480	0.01
39.61	11.15	482	0.01
39.61	11.15	484	0.01
39.61	11.15	486	0.01
39.61	11.15	488	0.01
39.61	11.15	490	0.02
39.61	11.16	492	0.02
39.61	11.16	494	0.02
39.61	11.16	496	0.02
39.61	11.16	498	0.01
39.61	11.16	500	0.02
39.61	11.16	502	0.02
39.61	11.16	504	0.01
39.61	11.17	506	0.01
39.61	11.17	508	0.01
39.61	11.17	510	0.01
39.61	11.17	512	0.01
39.61	11.17	514	0.01
39.61	11.17	516	0.02
39.61	11.17	518	0.02
39.61	11.17	520	0.02
39.61	11.17	522	0.01
39.61	11.17	524	0.01
39.61	11.18	526	0.02
39.61	11.18	528	0.02
39.61	11.18	530	0.02
39.61	11.18	532	0.02
39.61	11.19	534	0.01
39.61	11.18	536	0.02
39.62	11.19	538	0
39.62	11.19	540	0
39.62	11.19	542	0
39.61	11.18	544	0.02
39.62	11.19	546	0
39.62	11.19	548	0
39.61	11.19	550	0.01
39.62	11.19	552	0
39.62	11.19	554	0
39.61	11.19	556	0.01
39.62	11.19	558	0
39.62	11.19	560	0
39.62	11.19	562	0
39.62	11.19	564	0
39.62	11.19	566	0
39.62	11.19	568	0
39.62	11.19	570	0
39.62	11.19	572	0

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MW-1 Slug Out

39.62	11.19	574	0
39.62	11.19	576	0
39.62	11.19	578	0
39.61	11.19	580	0.01
39.62	11.19	582	0
39.61	11.19	584	0.01
39.62	11.19	586	0
39.62	11.19	588	0
39.61	11.19	590	0.01
39.62	11.19	592	0
39.62	11.19	594	0
39.62	11.19	596	0
39.62	11.19	598	0
39.62	11.19	600	0
39.62	11.19	602	0
39.61	11.2	604	0.01
39.61	11.2	606	0.02
39.61	11.2	608	0.02
39.61	11.2	610	0.01
39.61	11.2	612	0.02
39.61	11.2	614	0.02
39.61	11.2	616	0.02
39.61	11.2	618	0.02
39.61	11.2	620	0.02
39.61	11.2	622	0.02
39.61	11.2	624	0.02
39.61	11.2	626	0.02
39.61	11.2	628	0.01
39.61	11.2	630	0.02
39.61	11.2	632	0.02
39.61	11.2	634	0.02
39.61	11.2	636	0.02
39.61	11.2	638	0.02
39.61	11.2	640	0.02
39.61	11.2	642	0.02
39.61	11.2	644	0.02
39.61	11.2	646	0.02
39.61	11.2	648	0.02
39.61	11.2	650	0.02
39.61	11.2	652	0.02
39.61	11.21	654	0.01



Aquifer Parameters by the Bouwer and Rice Slug Test

Hydraulic Conductivity (ft/s):	1.22e-005
Transmissivity (sq ft/s):	7.78e-005

Y Go By Tavern MW-2 Slug In

Y Go By Tavern
MW-2 Slug In

LEVEL[ft]	TEMPERATURE[°C]	Time(seconds)	Drawdown
39.62	10.06	0	0
39.62	10.06	2	0.01
39.63	10.06	4	0.01
39.64	10.06	6	0.02
40.22	10.06	8	0.6
40.06	10.06	10	0.45
39.91	10.06	12	0.29
39.88	10.06	14	0.26
39.84	10.06	16	0.23
39.83	10.06	18	0.21
39.81	10.06	20	0.19
39.79	10.06	22	0.18
39.79	10.06	24	0.17
39.77	10.06	26	0.15
39.76	10.06	28	0.14
39.76	10.06	30	0.14
39.75	10.06	32	0.13
39.74	10.06	34	0.13
39.74	10.06	36	0.13
39.74	10.06	38	0.12
39.73	10.06	40	0.11
39.72	10.06	42	0.1
39.71	10.06	44	0.09
39.71	10.06	46	0.09
39.71	10.06	48	0.09
39.71	10.06	50	0.09
39.71	10.06	52	0.09
39.7	10.06	54	0.08
39.7	10.06	56	0.08
39.7	10.06	58	0.08
39.69	10.06	60	0.07
39.69	10.06	62	0.07
39.68	10.06	64	0.06
39.68	10.06	66	0.06
39.68	10.06	68	0.06
39.68	10.06	70	0.06
39.68	10.06	72	0.06
39.68	10.06	74	0.06
39.68	10.06	76	0.06
39.67	10.06	78	0.05
39.67	10.07	80	0.05
39.67	10.07	82	0.05
39.68	10.08	84	0.06
39.67	10.08	86	0.05
39.67	10.08	88	0.05
39.66	10.08	90	0.04
39.66	10.08	92	0.04

Y Go By Tavern
MW-2 Slug In

39.66	10.08	94	0.04
39.66	10.09	96	0.04
39.66	10.09	98	0.04
39.66	10.09	100	0.04
39.67	10.1	102	0.05
39.66	10.1	104	0.04
39.66	10.1	106	0.04
39.66	10.1	108	0.04
39.66	10.1	110	0.04
39.66	10.1	112	0.04
39.66	10.11	114	0.04
39.66	10.11	116	0.04
39.66	10.11	118	0.04
39.66	10.11	120	0.04
39.66	10.12	122	0.04
39.65	10.12	124	0.03
39.65	10.12	126	0.03
39.65	10.12	128	0.03
39.65	10.12	130	0.03
39.65	10.12	132	0.03
39.65	10.12	134	0.03
39.66	10.12	136	0.04
39.65	10.12	138	0.03
39.66	10.12	140	0.04
39.65	10.13	142	0.03
39.65	10.14	144	0.03
39.65	10.14	146	0.03
39.65	10.14	148	0.03
39.65	10.14	150	0.03
39.65	10.14	152	0.03
39.65	10.14	154	0.03
39.65	10.14	156	0.03
39.65	10.14	158	0.03
39.65	10.14	160	0.03
39.65	10.14	162	0.03
39.65	10.14	164	0.03
39.65	10.14	166	0.03
39.64	10.14	168	0.02
39.65	10.14	170	0.03
39.65	10.14	172	0.03
39.65	10.14	174	0.03
39.65	10.14	176	0.03
39.64	10.14	178	0.02
39.65	10.14	180	0.03
39.65	10.14	182	0.03
39.64	10.14	184	0.02
39.64	10.14	186	0.02
39.64	10.14	188	0.02

Y Go By Tavern
MW-2 Slug In

39.65	10.14	190	0.03
39.64	10.14	192	0.02
39.63	10.15	194	0.02
39.63	10.15	196	0.02
39.63	10.15	198	0.02
39.63	10.15	200	0.02
39.63	10.15	202	0.02
39.64	10.15	204	0.02
39.63	10.15	206	0.02
39.63	10.15	208	0.02
39.65	10.14	210	0.03
39.65	10.14	212	0.03
39.64	10.14	214	0.02
39.64	10.14	216	0.02
39.64	10.14	218	0.02
39.64	10.14	220	0.02
39.64	10.14	222	0.02
39.64	10.14	224	0.02
39.64	10.14	226	0.02
39.64	10.14	228	0.02
39.64	10.14	230	0.02
39.64	10.14	232	0.02
39.64	10.14	234	0.02
39.64	10.14	236	0.02
39.64	10.14	238	0.02

**Site Investigation Report - METCO
Y Go By Tavern**

APPENDIX F/ QUALIFICATIONS OF METCO PERSONNEL

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Ronald J. Anderson, P.G.

Professional Titles

- Senior Hydrogeologist
- Project Manager

Credentials

- Licensed Professional Geologist in Wisconsin
- Licensed Professional Geologist in Minnesota
- Recognized by the State of Wisconsin Department of Natural Resources (Chapter NR712) as a qualified Hydrogeologist
- Certified by State of Wisconsin/DSPS to conduct PECFA-funded LUST projects
- Certified tank closure site assessor (#41861) in Wisconsin
- Member of the Wisconsin Groundwater Association
- Member of the Minnesota Groundwater Association
- Member of the Federation of Environmental Technologist, Inc.
- Member of the Wisconsin Fabricare Institute

Education

Includes a BA in Earth Science from the University of Minnesota-Duluth. Applicable courses successfully completed include Hydrogeology, Applied Hydrogeology, Environmental Geology, Geological Field Methods, Geology Field Camp, Geomorphology, Structural Geology, Stratigraphy/Tectonics, Mineralogy/Petrology, Glacial/Quaternary Geology, Geology of North America, Oceanography, General Chemistry, Organic Chemistry, and Environmental Conservation

Post-Graduate Education

Includes Personnel Protection and Safety, Conducting Comprehensive Environmental Property Assessments, Groundwater Flow and Well Hydraulics, Effective Techniques for Contaminated Groundwater Treatment, and numerous other continuing education classes and conferences.

Work Experience

Includes nine months with the Wisconsin Department of Natural Resources Leaking Underground Storage Tank Program regulating LUST sites and since June 1990, with METCO as a Hydrogeologist and Project Manager. Duties have included: managing, conducting, and reporting tank closure assessments; property assessment, LUST investigations; spill investigations; agricultural chemical investigations, dry cleaning chemical investigations, general geotechnical/environmental investigations; Geoprobe projects (soil, groundwater, soil gas sampling); drilling projects (soil boring and monitoring wells); and remedial projects. Since 1989, METCO has sampled/consulted over 700 environmental sites.

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Jason T. Powell

Professional Title

- Staff Scientist

Credentials

- Recognized by the State of Wisconsin Department of Natural Resources (Chapter NR712) as a qualified Scientist.

Education

Includes a BS in Groundwater Management from the University of Wisconsin- Stevens Point. Applicable courses successfully completed include Hydrogeology, Applied Hydrogeology, Environmental Geology, Hydrogeology-Groundwater Flow Modeling, Groundwater Management, Structural Geology, Mineralogy, Glacial Geology, Soils, Soil Physics, Hydrology, Geochemistry, Water Chemistry, Organic Chemistry, General Chemistry, Environmental Issues.

Post-Graduate Education

40-hour OSHA Hazardous Materials Safety Training course with 8-hour refresher course.

Work Experience

With METCO since May 1992 as a Geoprobe Assistant and Geoprobe Operator. In June 1995 to July 1996 as a Environmental Technician. In July 1996 as a Staff Scientist. Duties have included: LUST investigations; general geotechnical/environmental investigations; Geoprobe projects (soil, groundwater sampling); drilling projects (soil boring and monitoring wells); remedial projects (sampling, pilot tests, system operation/maintenance) and project management.

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Eric J. Dahl

Professional Title

- Hydrogeologist

Credentials

- Recognized by the State of Wisconsin Department of Natural Resources (Chapter NR712) as a qualified Hydrogeologist.
- Registered through the Wisconsin Department of Safety and Professional Services as a PECFA consultant (#823519).
- Member of the Geological Society of America

Education

Includes B.S. in Geology from the University of Wisconsin-Eau Claire. Applicable courses successfully completed include Environmental Geology, Physical Hydrogeology, Chemical Hydrogeology, Computer Modeling in Hydrogeology, Aqueous Geochemistry, Field Geology I and II, Mineralogy and Petrology I and II, Sedimentology and Stratigraphy, Petroleum and Economic Geology, Earth Resources, Earth History, and Structural Geology.

Post-Graduate Education

40-hour OSHA Hazardous Materials Safety Training course with 8-hour refresher course.

Work Experience

With METCO since November 1999 as a Hydrogeologist. Duties have included: Site Investigations, Phase I and Phase II Environmental Site Assessments, Case Closure Requests/GIS Registry, geoprobe projects (oversight, direction, and sampling), drilling projects/monitoring well installation (oversight, direction, and sampling), soil excavation projects (oversight, direction, and sampling), geoprobe operation, and operation and maintenance of remedial systems.

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Thomas P. Pignet, P.E.

Professional Titles

- Chemical Engineer
- Industrial Engineer

Credentials

- Licensed Professional Engineer in Wisconsin

Education

Undergraduate: B.S. in Chemical Engineering from the University of Wisconsin. Applicable courses include the standard chemistry curriculum - basic, physical, organic, etc. - plus engineering transport phenomena, chemical unit operations (e.g. separations), fluid mechanics, etc.

Post-Graduate Education

Ph.D. in Chemical Engineering from the University of Minnesota - with applicable special training in absorption & catalysis; M.S. in Industrial Engineering from the University of Wisconsin - Milwaukee - with special emphasis on statistical techniques and data analysis. Applicable further training: continuing education, semester-length courses in [1] Understanding Environmental & Safety Regulation; [2] Hazardous & Toxic Waste Management; plus a number of 1-2 day workshops - Fire & Explosion Safety; Small Quantity Generations of Hazardous Waste.

Work Experience

Includes ten years as a research chemical engineer with a large chemical manufacturer; one year as process development engineer and demonstration-scale test analyst on a unique coal gasification project; ten years in association with UW-M, teaching and consulting to industry on energy efficiency, waste minimization and productivity improvement. One year working with a small engineering consulting firm on energy, environmental, and process improvement projects, including LUST Investigations and Remediations. With METCO since February 2000. Duties include Remedial Action Plan preparation, pilot test design and performance, remedial systems design and implementation, and general management of METCO's remedial projects.

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Jon Jensen

Professional Title

- Staff Scientist

Credentials

- Registered through the Wisconsin Department of Safety and Professional Services as a PECFA consultant (#1294924).

Education

Includes B.S. in Geography with and Environmental Science minor from University of Wisconsin – La Crosse: Applicable courses successfully completed include Interpretation of Aerial Photographs, Intro to GIS, Advanced Remote Sensing, Fundamentals of Cartography, Biogeography, and Conservation of Global Environments.

Work Experience

With METCO since July, 2014 as Staff Scientist. Duties include: soil and groundwater sampling, operation and maintenance of remedial systems, geoprobe projects (oversight, direction, and sampling), site mapping, data reduction and analysis, and reporting.

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Jacob Zahn

Professional Title

- Staff Scientist

Credentials

- Registered through the Wisconsin Department of Safety and Professional Services as a PECFA consultant (#1298982).

Education

Includes B.S. in Earth Science with Chemistry minor, University of Minnesota, Twin Cities. Applicable courses successfully completed include Field Geology, Analytical Chemistry, Mineralogy, Fluid Mechanics, Geodynamics, Earth Surface Dynamics, Thermodynamics, Sedimentology/Stratigraphy, Petrology, and Organic Chemistry.

Work Experience

With METCO since September, 2014 as Staff Scientist. Duties include: soil and groundwater sampling, operation and maintenance of remedial systems, geoprobe projects (oversight, direction, and sampling), site mapping, data reduction and analysis, and reporting.

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APPENDIX G/ STANDARD OF CARE

**Site Investigation Report - METCO
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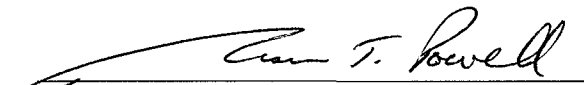
STANDARD OF CARE

The analysis and conclusions expressed in this report are based upon data obtained from the indicated subsurface locations and from other sources discussed in this report. Actual subsurface conditions may vary and may not become evident without further assessment.

All work conducted by METCO is in accordance with currently accepted hydrogeologic and engineering practices and they neither imply nor intend warranty.

We appreciate the opportunity to be of service to you. If you have any questions or require additional information, please do not hesitate to contact us.

"I Jason T. Powell, hereby certify that I am a scientist as that term is defined in s.NR 712.03 (3), Wis. Adm. Code, and that, to the best of my knowledge, all of the information contained in this document is correct and the document was prepared in compliance with all applicable requirements in chs. NR 700 to 726, Wis. Adm. Code."

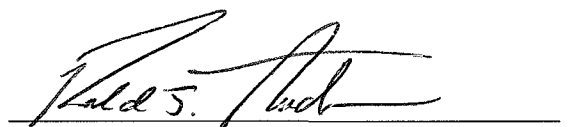


Jason T. Powell
Staff Scientist

1/20/15

Date

"I Ronald J. Anderson, hereby certify that I am a hydrogeologist as that term is defined in s.NR 712.03 (1), Wis. Adm. Code, and that, to the best of my knowledge, all of the information contained in this document is correct and the document was prepared in compliance with all applicable requirements in chs. NR 700 to 726, Wis. Adm. Code."



Ronald J. Anderson PG
Senior Hydrogeologist/Project Manager

1/20/15

Date