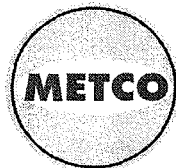


# Site Investigation Report

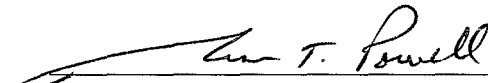
Kopatz Property  
W8317 County Hwy P  
Crivitz (Town of Beaver), Wisconsin


November 17, 2015  
by METCO  
WDNR File Reference #: 03-38-231379  
PECFA Claim #: 54114-7330-17-A



*Excellence through experience™*

This document was prepared by:

  
\_\_\_\_\_  
Jason T. Powell  
Staff Scientist

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



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November 17, 2015

WDNR BRRTS#: 03-38-231379  
PECFA Claim #: 54114-7330-17-A

Dennis Kopatz  
N4510 Schacht Rd  
Marinette, WI 54143

Dear Mr. Kopatz,

Enclosed is our "Site Investigation Report" concerning the Kopatz Property site in Beaver, Wisconsin. This report presents the complete data from all investigation activities.

Due to the elevated levels of soil and groundwater contamination near the on-site building and private well, excavation of contaminated soil will likely be required by the WDNR to address potential risks along with continued groundwater monitoring. Per response from the WDNR concerning this report, we will proceed.

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,

A handwritten signature in cursive script that reads "Jason T. Powell".

Jason T. Powell  
Staff Scientist

C: Beth Erdman – WDNR

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**Site Investigation Report - METCO  
Kopatz Property**

## **EXECUTIVE SUMMARY**

The subject property was formerly a general store and post office. A 550-gallon leaded gasoline UST and dispenser existed off the northwest corner of the building and was used for retail gasoline sales. The UST system is thought to have been installed in the 1940's or 1950's and was in use until the 1970's or 1980's.

On September 8, 1999, the UST was removed from the subject property. During the UST removal, two soil samples were collected from beneath the removed UST for PID analysis. The soil sample exhibiting the highest PID results (S-1) was submitted for GRO analysis. Laboratory results showed 1,500 ppm GRO in soil sample S-1. The petroleum contamination was reported to the WDNR, who then required that a site investigation be conducted.

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

- Local unconsolidated material generally consists of very fine to coarse grained sand to clayey sand with gravel and some cobbles (cobblely till) from surface to depths ranging from 10 to 16 feet bgs. Several areas showed lenses of sandy clay with gravel at depths between 3 to 8 feet bgs. Sandy clay with some gravel was encountered at depths ranging from 10 to 16 feet and extending to at least 20 feet bgs. Fill material consisting of sand and gravel was encountered in several areas on-site from surface to depths ranging from 2-4 feet bgs. In the area of the removed UST, the fill material extends to 7 feet bgs.
- Bedrock was not encountered during the site investigation, but Cambrian Sandstone is expected to exist at approximately 130 feet below ground surface, based on local well construction reports.
- According to data collected from the monitoring wells, the depth to groundwater ranges from 2.29 to 10.56 feet bgs depending on well location and time of year. Local horizontal groundwater flow in the immediate area of the subject property is generally to the south to southeast.
- An area of unsaturated soil contamination, which exceeds the NR720 Groundwater RCL values, exists in the area of the removed gasoline UST and dispenser. This consists of an irregular shaped area that appears to measure up to 53 feet long, up to 31 feet wide, and up to 8 feet thick. An area of unsaturated soil contamination, which exceeds the NR720 Groundwater RCL values for Lead, also exists in the area of MW-4. This consists of a circular shaped area that appears to measure up to 17 feet in diameter and up to 4.5 feet thick.

## Site Investigation Report - METCO Kopatz Property

- 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 south/southeast. This plume is approximately 153 feet long and 74 feet wide.
- Based on the most recent groundwater analytical results, three of the monitoring wells (MW-1, MW-2, and MW-3) show NR140 ES and/or PAL 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 appear to be potential for vapor intrusion to the Kopatz building. However, it should be noted that petroleum odors were not noticed, and PID readings at the sump and all four corners of the basement showed a reading of “zero”. It should also be noted that the on-site private potable well was sampled four times, which showed no laboratory detects for VOC's and/or Dissolved Lead.

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 elevated levels of soil and groundwater contamination near the on-site building and private well, excavation of contaminated soil will likely be required by the WDNR to address potential risks along with continued groundwater monitoring. Per response from the WDNR concerning this report, we will proceed.

**Site Investigation Report - METCO  
Kopatz Property**

**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**

Dennis Kopatz  
N4510 Schacht Rd  
Marinette, WI 54143  
(920) 819-6750

**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 548 <sup>th</sup> Street Menomonie, WI 54751 (715) 556-2604	Fauerbach Surveying & Engineering P.O. Box 140 Hillsboro, WI 54634 (608) 489-3363
--	--

**Site Investigation Report - METCO  
Kopatz Property**

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:  
W8317 County Hwy P  
Crivitz (Town of Beaver), WI 54114

Latitude and Longitude:  
45° 8' 14" N and 88° 1' 7" W

WTM Coordinates:  
675793, 520111

Township/Range:  
NE ¼, NW ¼, Section 28, Township 31 North, Range 20 East, Marinette County

**1.4 Site History**

The subject property was formerly a general store and post office. A 550-gallon leaded gasoline UST and dispenser existed off the northwest corner of the building and was used for retail gasoline sales. The UST system is thought to have been installed in the 1940's or 1950's and was in use until the 1970's or 1980's.

On September 8, 1999, the UST was removed from the subject property. During the UST removal, two soil samples were collected from beneath the removed UST for PID analysis. The soil sample exhibiting the highest PID results (S-1) was submitted for GRO analysis. Laboratory results showed 1,500 ppm GRO in soil sample S-1. The petroleum contamination was reported to the WDNR, who then required that a site investigation be conducted.

No other LUST or ERP sites are known to exist within one 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 central portion of the Menominee-Oconto-Peshtigo River Basin. This area is characterized by an irregular rolling landscape consisting of an uneven cover of glacial deposits overlying an eroded bedrock surface.

The elevation of the site is approximately 670 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.

Local unconsolidated materials generally consist of the following in downward stratigraphic order:

- Fill material consisting of tan to brown to gray sand and gravel was encountered in several areas on site from surface to depths ranging from 2 to 4 feet bgs. In the area of the removed UST, the fill material extends to 7 feet bgs.
- From surface to depths ranging from 10 to 16 feet bgs exists a tan to brown to gray to orange very fine to coarse grained sand to clayey sand with gravel and some cobbles (till). Several areas showed lenses of sandy clay with gravel at depths between 3 and 8 feet bgs.
- At depths ranging from 10 to 16 feet bgs and extending to at least 20 feet bgs exists a tan to gray sandy clay with some gravel.

Bedrock was not encountered during the site investigation, but Cambrian Sandstone is expected to exist at approximately 130 feet below ground surface, based on local well construction reports.

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.



# Site Investigation Report - METCO Kopatz Property

## Hydrogeology

According to data collected from the monitoring wells, the depth to groundwater ranges from 2.29 to 10.56 feet bgs depending on well location and time of 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 to southeast. 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 extent of petroleum contamination in groundwater exceeding the NR140 ES and/or PAL appears to come into contact with a hot water line for the buildings furnace system, an LP gas line which exists on the west side of the Kopatz building, and a telephone/cable line. These lines typically exist within 30 inches of ground surface and are backfilled with native soil. Due to their shallow depth and native backfill material, these do not appear to be a potential contaminant migration pathway.

The extent of the soil and groundwater contamination appears to extend underneath the Kopatz building at depths ranging from 3.5-8.5 feet bgs. Due to the shallow groundwater contamination in this area, vapor intrusion for the Kopatz building may need further evaluation. It was noted that petroleum odors were not noticed in a basement inspection/vapor screening during the drilling project on May 18, 2015. It should also be noted that PID readings were collected at the sump and all four corners of the basement, which all showed a PID reading of "zero". A water sample was collected from the sump in the basement, which showed an NR140 ES exceedance for Benzene (22.1 ppb). It also showed an NR140 PAL exceedance for Toluene (238 ppb). Based on the NR140 ES and/or PAL exceedances for the sump, and the extent of soil contamination being in close proximity of the sump, vapor intrusion should be further evaluated at the Kopatz building.

### Municipal and Private Water Supply Wells

The subject property and surrounding properties are all served by private potable wells. The on-site potable well (W8317) is located approximately 19 feet to the southeast of the removed gasoline UST. Analytical results from the on-site potable well which was sampled four times, and four other nearby potable wells (W8302, W8305, W8308, and W8318 residences) which were all

## Site Investigation Report - METCO Kopatz Property

sampled once, showed no laboratory detects for VOC's and/or Dissolved Lead. Distances from the removed gasoline UST to the four other sampled potable wells are as follows:

W8302 – 267 feet to the northeast  
W8305 – 140 feet to the southeast  
W8308 – 161 feet to the northeast  
W8318 – 110 feet to the north

Other potable wells are known to exist within 1,200 feet of the site, but are over 200 feet to the east, over 400 feet to the northeast, and over 800 feet to the south and west from the release source.

METCO is not currently aware of any other impacts, receptors, risks, or local problems associated with the subject property.

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 South Branch Beaver Creek, which exists approximately 2,600 feet to the south of the subject property. It does not appear that the extent of petroleum contamination has migrated to 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) On July 23, 2012, METCO prepared a LUST Investigation Field Procedures Workplan.
- 2) On April 9-10, 2013, METCO completed fourteen Geoprobe borings. Forty-two soil samples and fourteen groundwater samples were collected for field and/or laboratory analysis. A water sample was also collected from the on-site potable well.
- 3) On April 16-17, 2014, METCO completed six soil borings and installed six monitoring wells. Twenty-four soil samples were collected for field and/or laboratory analysis. Upon completion, five of the monitoring wells were properly developed.
- 4) On June 3, 2014, DKS Transport Services, LLC picked up and properly

## Site Investigation Report - METCO Kopatz Property

- disposed of five drums of soil cuttings and one drum of purge water.
- 5) On June 18, 2014, METCO collected groundwater samples from three potable wells (W8302, W8308, and W8318 residences) and the six monitoring wells for field and/or laboratory analysis (Round 1). The wells were surveyed to mean sea level (msl) at this time.
  - 6) On September 18, 2014, METCO collected groundwater samples from the on-site potable well, the potable well from the W8305 residence, and the six monitoring wells for field and/or laboratory analysis (Round 2). METCO also conducted slug tests on monitoring well MW-1.
  - 7) On May 18, 2015, METCO completed two soil borings and installed two monitoring wells. Six soil samples were collected for field analysis. Upon completion, the monitoring wells were properly developed. A water sample was also collected from the sump well located in the basement of the Kopatz building. A basement inspection/vapor screening was conducted at this time at the Kopatz building.
  - 8) On May 26, 2015, METCO collected groundwater samples from the on-site potable well and the eight monitoring wells for field and/or laboratory analysis (Round 3). The monitoring wells which were installed on May 18, 2015, were surveyed to mean sea level (msl) at this time.
  - 9) On August 31, 2015, METCO collected groundwater samples from the on-site potable well and the eight monitoring wells for field and/or laboratory analysis (Round 4)

### 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 immediately disposed of after use.

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

# Site Investigation Report - METCO Kopatz Property

## 3.2 Data Discussion

### Soil Sampling Data

On April 9-10, 2013, during the Geoprobe project, forty-two soil samples were collected for field and/or laboratory analysis (PID, GRO, VOC, PVOC, Naphthalene, and Lead).

On April 16-17, 2014, during the Drilling project, twenty-four soil samples were collected for field and/or laboratory analysis (PID, PVOC, Naphthalene, TCLP-Lead, TCLP-Benzene, and Lead).

On May 18, 2015, during the Drilling project, six soil samples were collected for field analysis (PID).

Soil analytical results are summarized in the Soil Analytical Tables with exceedances of the NR720 Groundwater RCL 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 9-10, 2013, during the Geoprobe project, fourteen groundwater samples were collected from the soil borings for laboratory analysis (PVOC and Naphthalene).

On April 16-17, 2014, during the drilling project, six monitoring wells were installed. Five of the monitoring wells were developed by METCO personnel. Monitoring well MW-1 was not developed as it was dry.

On June 18, 2014, Round 1 groundwater samples were collected from the six 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 six monitoring wells.

On September 18, 2014, Round 2 groundwater samples were collected from the six 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 six monitoring wells.

On May 18, 2015, during the Drilling project two additional monitoring wells were installed and properly developed. METCO also collected a groundwater sample from the basement sump well of the Kopatz building and analyzed for PVOC and Naphthalene.

## Site Investigation Report - METCO Kopatz Property

On May 26, 2015, Round 3 groundwater samples were collected from the eight monitoring wells and analyzed for PVOC and Naphthalene (MW-1 through MW-6) or VOC (MW-7 and MW-8). Monitoring wells MW-1, MW-2, MW-5, MW-7, and MW-8 were also analyzed for Lead. Field measurements for water level, temperature, pH, ORP, Dissolved Oxygen and Specific Conductance were also collected from the eight monitoring wells.

On August 31, 2015, Round 4 groundwater samples were collected from the eight monitoring wells and analyzed for PVOC and Naphthalene. Monitoring wells MW-1, MW-5, and MW-7 were also analyzed for Lead. Field measurements for water level, temperature, pH, ORP, Dissolved Oxygen and Specific Conductance were also collected from the eight monitoring wells.

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

The Geoprobe boring 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 9-10, 2013, during the Geoprobe project, METCO personnel collected a water 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 water samples from the potable wells of residences W8302, W8308, and W8318 for laboratory analysis (VOC Method 524.2 and Dissolved Lead).

On September 18, 2014, during the Round 2 sampling event, METCO personnel collected water samples from the on-site potable well and the potable well of residence W8305 for laboratory analysis (VOC Method 524.2).

On May 26, 2015, during the Round 3 sampling event, METCO personnel collected a water sample from the on-site potable well for laboratory analysis (VOC Method 8260 and Dissolved Lead).

On August 31, 2015, during the Round 4 sampling event, METCO personnel collected a water sample from the on-site potable well for laboratory analysis (VOC Method 8260).

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

The potable well locations are presented in the Detailed Site Map in Section 6.

## Site Investigation Report - METCO Kopatz Property

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 well MW-1. 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) = 1.09E-03 cm/sec  
Transmissivity = 0.208 cm<sup>2</sup>/sec  
Flow Velocity (V=KI/n) = 45.43844 m/yr

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

### 3.4 Discussion of Results

Local unconsolidated material generally consists of very fine to coarse grained sand to clayey sand with gravel and some cobbles (till) from surface to depths ranging from 10 to 16 feet bgs. Several areas showed lenses of sandy clay with gravel at depths between 3 to 8 feet bgs. Sandy clay with some gravel was encountered at depths ranging from 10 to 16 feet and extending to at least 20 feet bgs. Fill material consisting of sand and gravel was encountered in several areas on-site from surface to depths ranging from 2-4 feet bgs. In the area of the removed UST, the fill material extends to 7 feet bgs.

Bedrock was not encountered during the site investigation, but Cambrian Sandstone is expected to exist at approximately 130 feet below ground surface, based on local well construction reports.

According to data collected from the monitoring wells, the depth to groundwater ranges from 2.29 to 10.56 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 to southeast.

An area of unsaturated soil contamination, which exceeds the NR720

## Site Investigation Report - METCO Kopatz Property

Groundwater RCL values, exists in the area of the removed gasoline UST and dispenser. This consists of an irregular shaped area that appears to measure up to 53 feet long, up to 31 feet wide, and up to 8 feet thick. An area of unsaturated soil contamination, which exceeds the NR720 Groundwater RCL values for Lead, also exists in the area of MW-4. This consists of a circular shaped area that appears to measure up to 17 feet in diameter and up to 4.5 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 south/southeast. This plume is approximately 153 feet long and 74 feet wide.

Based on the most recent groundwater analytical results, three of the monitoring wells (MW-1, MW-2, and MW-3) show NR140 ES and/or PAL 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 appear to be potential for vapor intrusion to the Kopatz building. However, it should be noted that petroleum odors were not noticed, and PID readings at the sump and all four corners of the basement showed a reading of "zero". It should also be noted that the on-site private potable well was sampled four times, which showed no laboratory detects for VOC's and/or Dissolved Lead.

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

The Detailed Site Map, 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

## Site Investigation Report - METCO Kopatz Property

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 Kopatz Property 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.

### 4.2 Recommendations

Due to the elevated levels of soil and groundwater contamination near the on-site building and private well, excavation of contaminated soil will likely be required by the WDNR to address potential risks along with continued groundwater monitoring. Per response from the WDNR concerning this report, we will proceed.



**Site Investigation Report - METCO  
Kopatz Property**

**5.0 REFERENCES**

Driscoll, F. G., 1986, Groundwater and Wells, St. Paul, Minnesota.

Fetter, C.W., 1988, Applied Hydrogeology, Columbus, Ohio.

Geologic Logs and Well Constructor Reports, Wisconsin Geological and Natural History Survey, Madison, Wisconsin.

Matsch, C.L. and Ojakangas, R.W., 1982, Minnesota's Geology, Minneapolis, Minnesota.

Nielson, D.M., 1991, Practical Handbook of Groundwater Monitoring, Chelsea, Michigan.

Seamless USGS Topographic Maps on CD-ROM, 2001, National Geographic Holdings, Inc., San Francisco, California.

Oakes, E. L. and Hamilton, L. J., 1973, Water Resources of Wisconsin – Menominee – Oconto – Peshtigo River Basin, Hydrologic Investigations, Atlas HA-470, U.S. Geological Survey, Washington D.C.

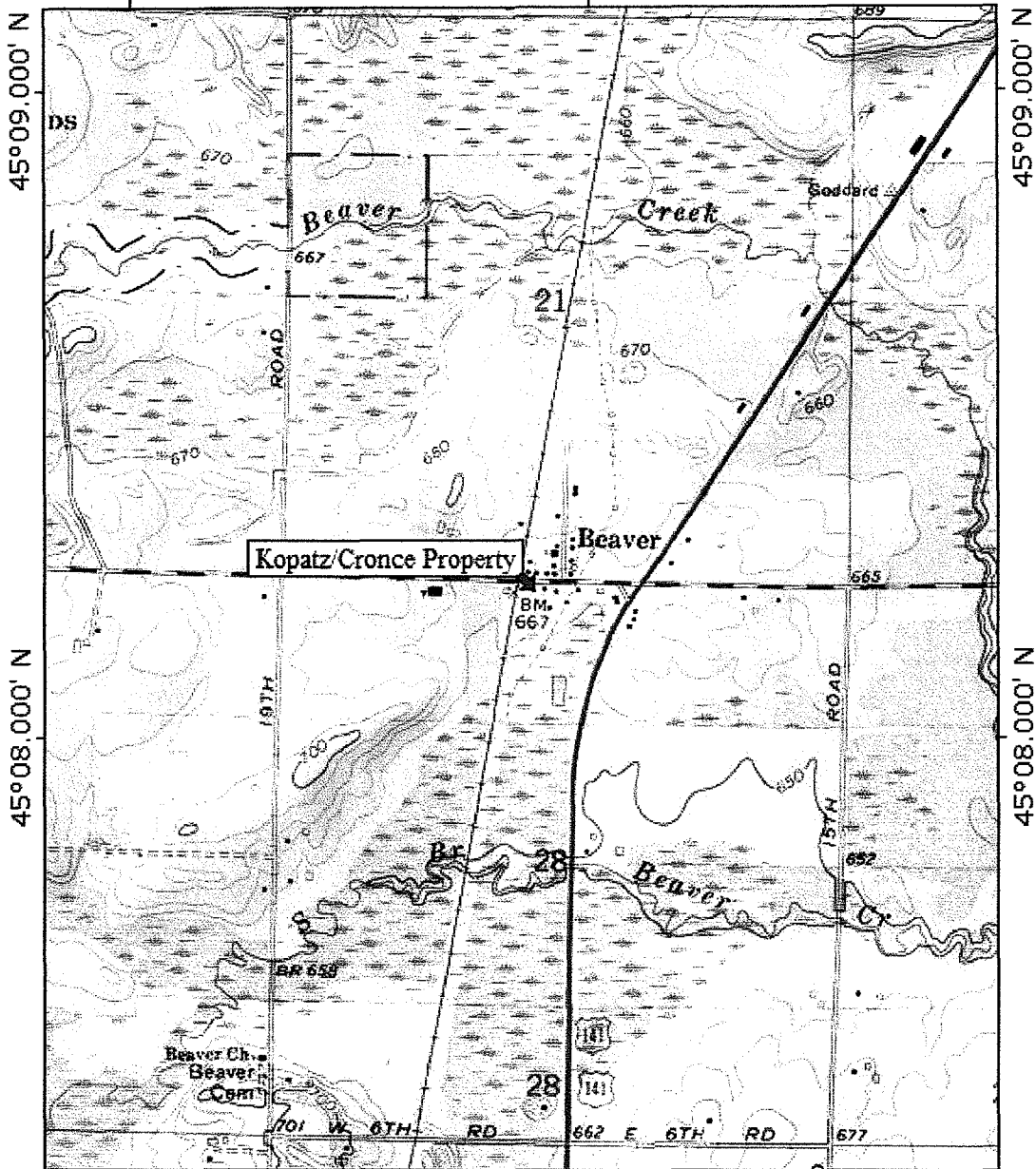
Walton, W.C., 1989, Groundwater Pumping Tests, Chelsea, Michigan.

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

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

**6.0 FIGURES**



TOPO! map printed on 07/13/12 from "wisconsin.tpo" and "Untitled.tpg"  
 88°02.000' W WGS84 88°01.000' W

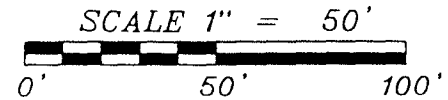


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SITE LOCATION MAP – CONTOUR INTERVAL 10 FEET
KOPATZ/CRONCE PROPERTY – BEAVER, WI
SEAMLESS USGS TOPOGRAPHIC MAPS ON CD-ROM

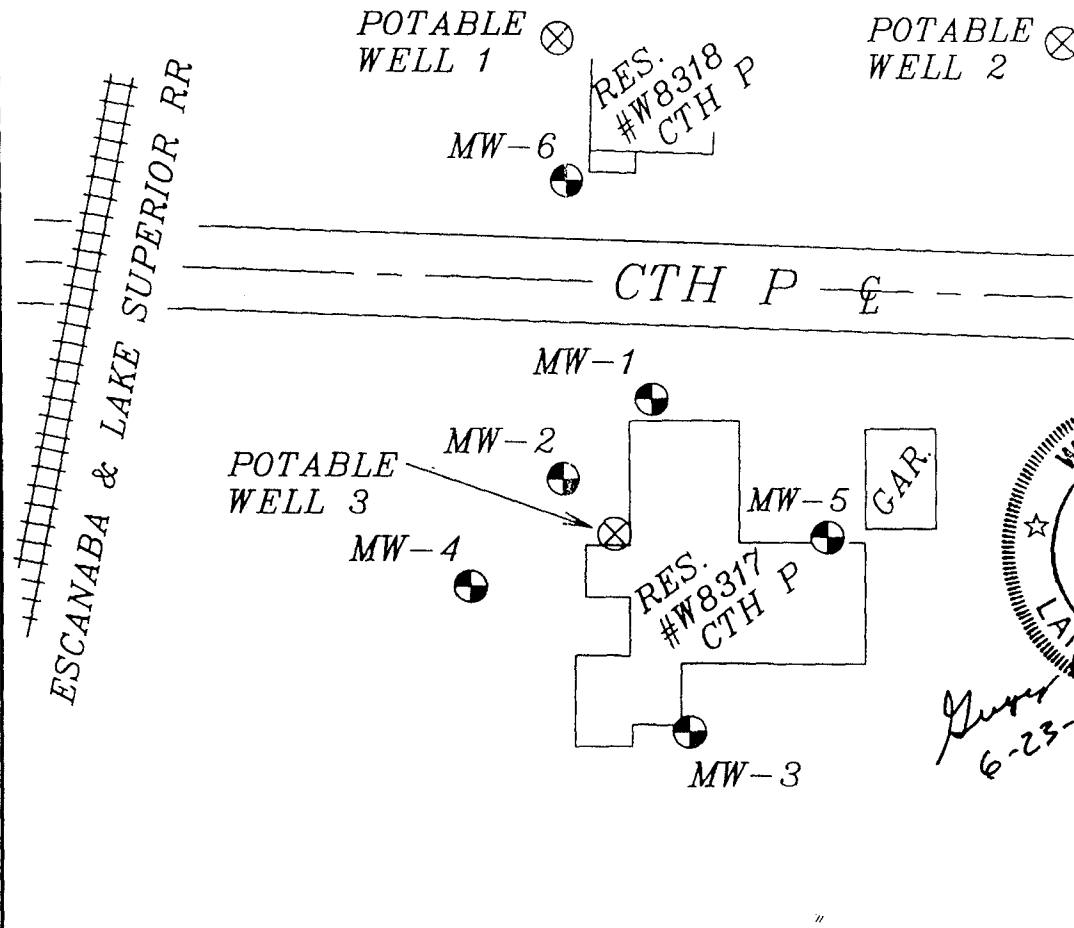
KEY

-  FLUSH MONITORING WELL
-  PRIVATE POTABLE WELL



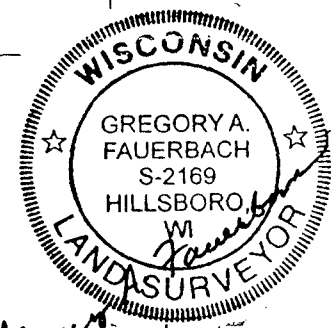
MONITORING WELLS  
TOP OF WELL & TOP OF CASING  
ELEVATIONS (NAVD88)

MW-1	TW = 669.87'
	TC = 669.54'
MW-2	TW = 668.60'
	TC = 668.20'
MW-3	TW = 667.06'
	TC = 666.72'
MW-4	TW = 667.39'
	TC = 667.08'
MW-5	TW = 670.92'
	TC = 670.45'
MW-6	TW = 669.52'
	TC = 669.16'



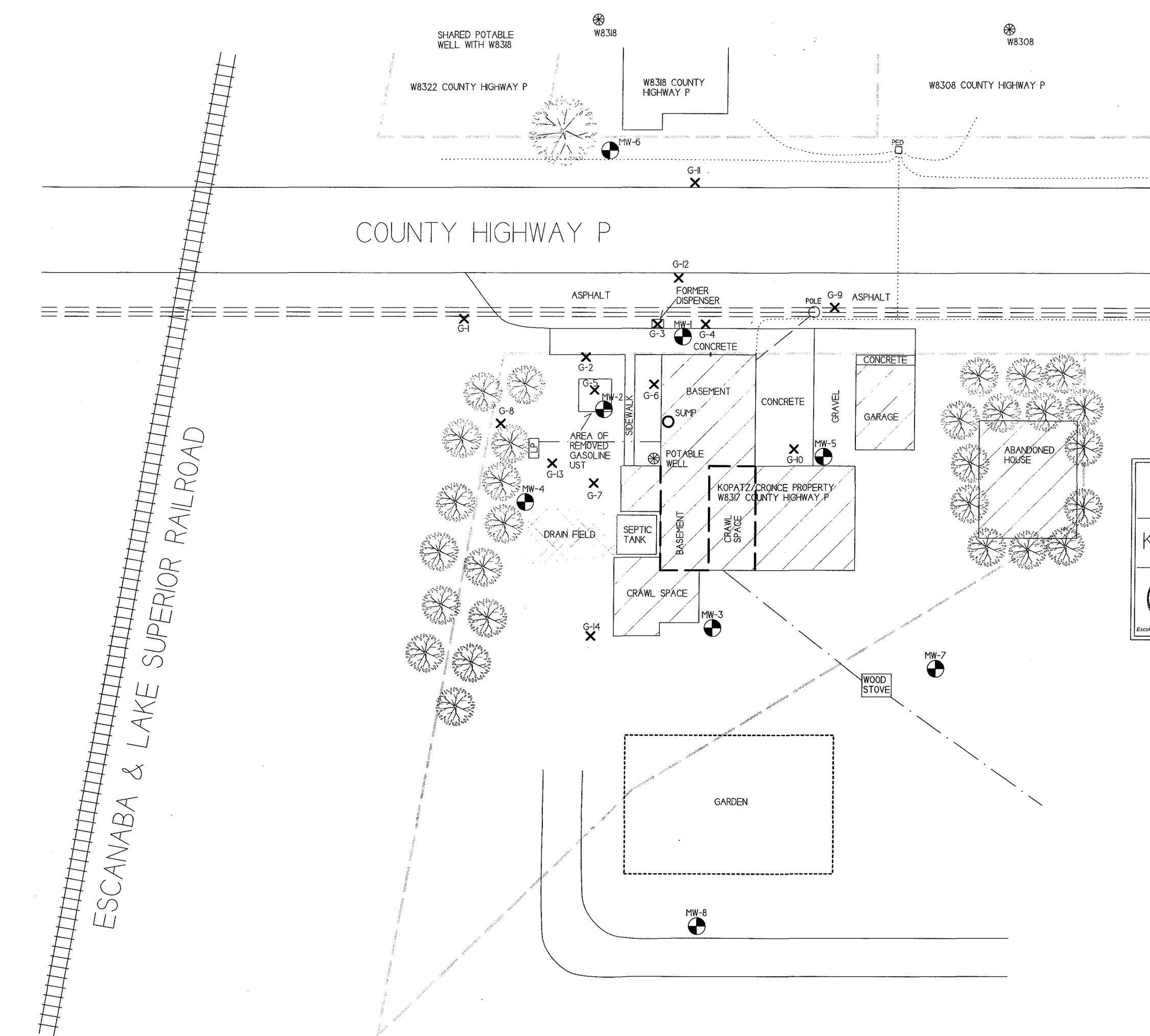
DRAWN BY: GREG FAUERBACH DATE: 6-18-14 FIELD DWG. NO.: 52814	REVISIONS  FAUERBACH SURVEYING & ENG. PO BOX 140, HILLSBORO, WI 54634 PH/FAX 608-489-3363	PROJECT: KOPATZ/CRONCE PROPERTY W8317 CTH P CRIVITZ, WI 54114	SHEET NAME LOCATION MAP	PAGE 1 OF 1
--	---	--	----------------------------	----------------

WELL	MARINETTE COUNTY COORD. SYSTEM NAD83(2011)		TOP OF WELL ELEVATION (NAVD 88)	TOP OF PVC CASING ELEVATION (NAVD 88)
	NORTH	EAST		
MW-1	162621.84	703621.10	669.87'	669.54'
MW-2	162600.84	703597.64	668.60'	668.20'
MW-3	162533.72	703630.29	667.06'	666.72'
MW-4	162572.33	703572.88	667.39'	667.08'
MW-5	162586.38	703666.32	670.92'	670.45'
MW-6	162678.96	703599.19	669.52'	669.16'



*Gregory A. Fauerbach*  
6-23-14

DRAWN BY: GREG FAUERBACH DATE: 6-18-14 FIELD DWG. NO.: 52814	REVISIONS  FAUERBACH SURVEYING & ENG. PO BOX 140, HILLSBORO, WI 54634 PH/FAX 608-489-3363	PROJECT: KOPATZ/CRONCE PROPERTY W8317 CTH P CRIVITZ, WI 54114	SHEET NAME DATA SHEET	PAGE 1 OF 1
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B.I.b DETAILED SITE MAP KOPATZ/CRONCE PROPERTY		
<p>709 Gillette Street, Suite 3          La Crosse, WI 54603          Tel: (608) 781-8879          Fax: (608) 781-8893</p>		
		BEAVER, WISCONSIN DRAWN BY: ED 07/13/2002 UPDATED BY: ED 07/09/2003

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

- GEOPROBE BORING LOCATION
- POTABLE WELL LOCATION
- MONITORING WELL LOCATION
- HOT WATER LINE
- GAS LINE
- OVERHEAD ELECTRIC LINE
- TELEPHONE/CABLE LINE
- PROPERTY BOUNDARY

ESCANABA & LAKE SUPERIOR RAILROAD

W8302

SHARED POTABLE WELL WITH W8318

W8318

W8308

W8322 COUNTY HIGHWAY P

W8318 COUNTY HIGHWAY P

W8308 COUNTY HIGHWAY P

COUNTY HIGHWAY P

ESTIMATED EXTENT OF PETROLEUM CONTAMINATION IN SOIL EXCEEDING NR720 GROUNDWATER RCL VALUES.

NOTE: SOIL BORINGS G-2, G-5, AND MW-4 SHOW LEAD EXCEEDANCES ONLY.

SCALE: 1 INCH = 30 FEET

W8305 COUNTY HIGHWAY P

B.2.a  
SOIL CONTAMINATION  
KOPATZ/CRONCE PROPERTY

BEAVER, WISCONSIN

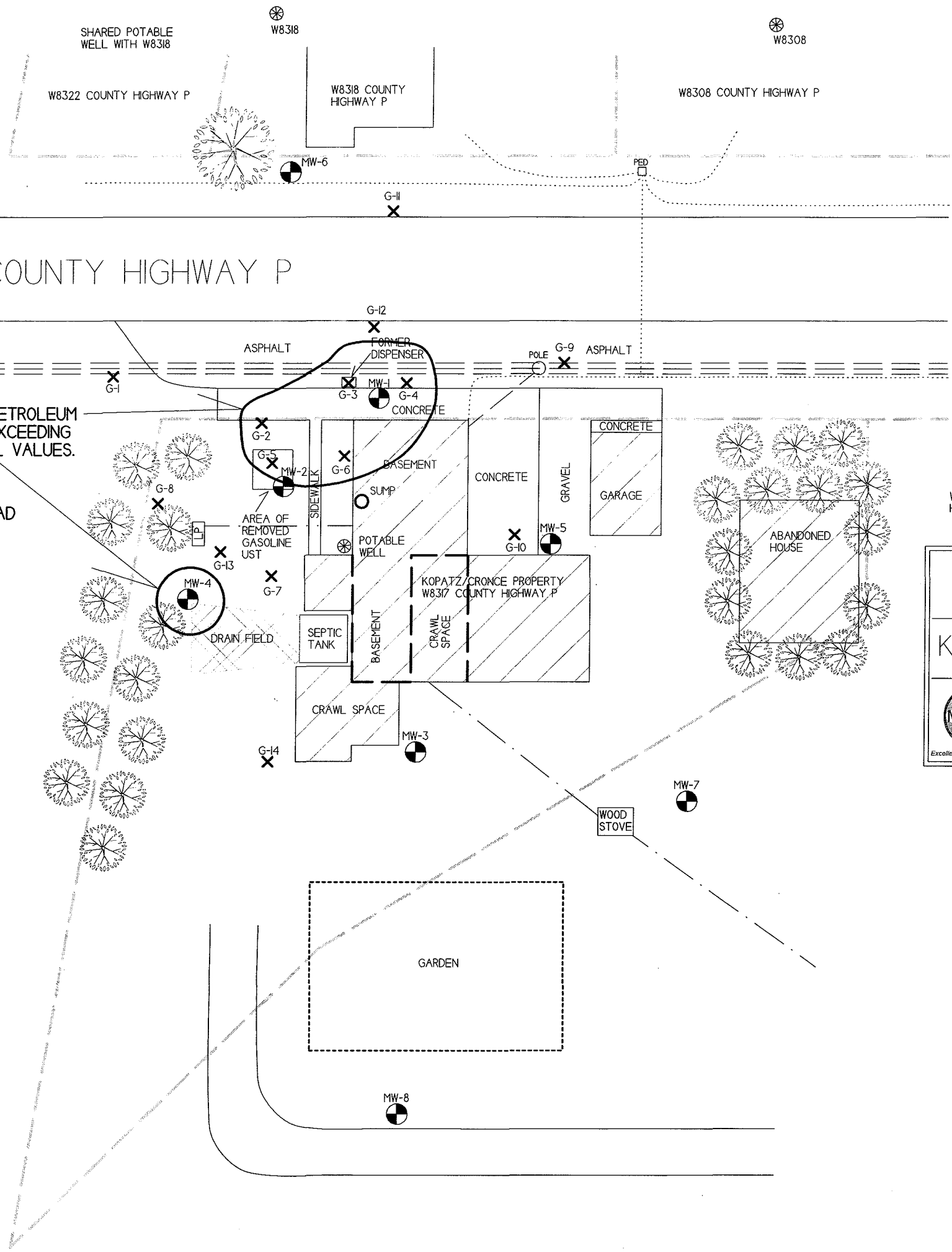
709 Gillette Street, Suite 3  
La Crosse, WI 54603  
Tel: (608) 781-8879  
Fax: (608) 781-8893

DRAWN BY: ED 07/13/2002  
UPDATED BY: ED 07/09/2003

METCO  
Excellence through experience

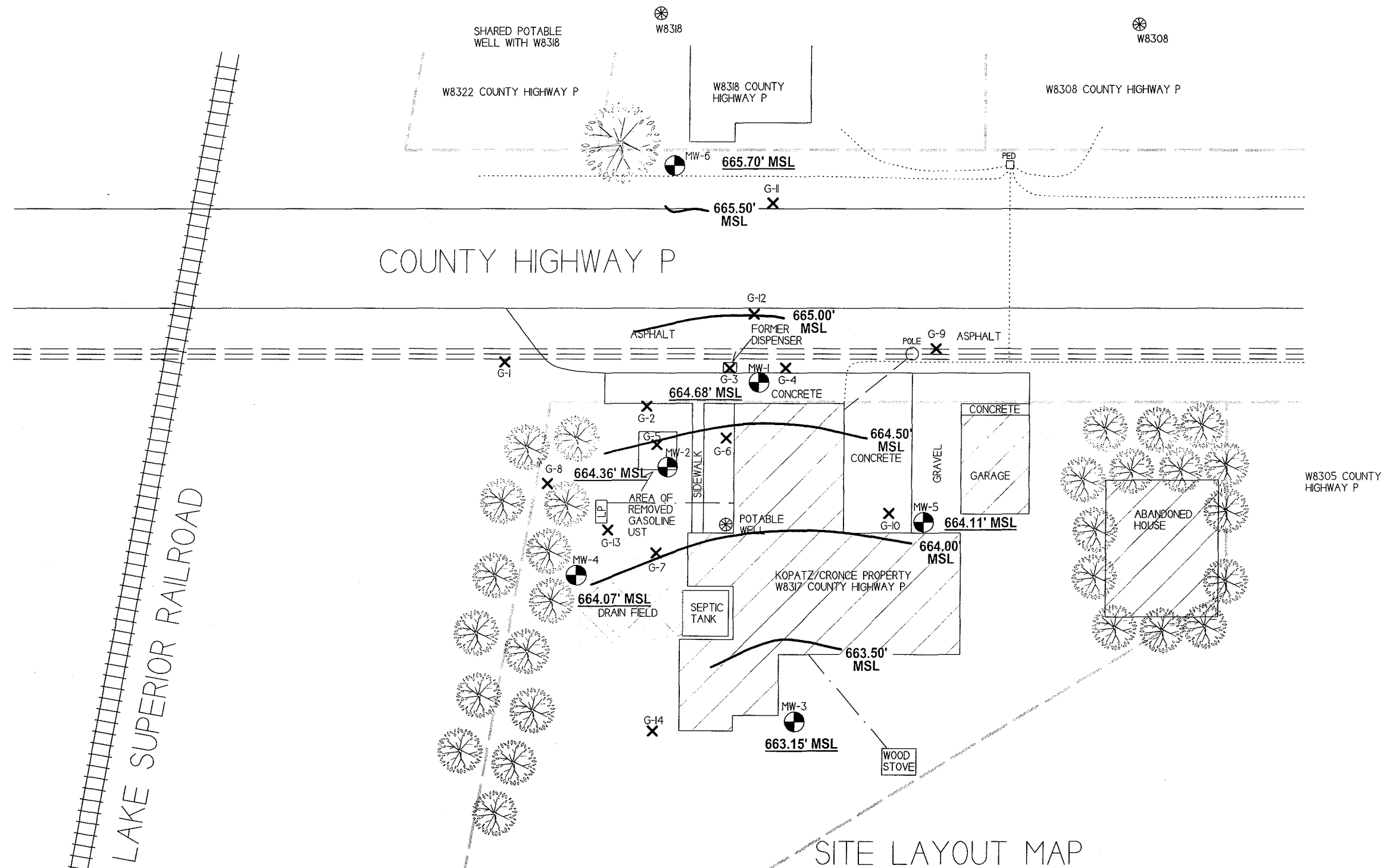
NOTE: INFORMATION BASED ON AVAILABLE DATA. ACTUAL CONDITIONS MAY DIFFER

ESCANABA & LAKE SUPERIOR RAILROAD



W8305

- X - GEOPROBE BORING LOCATION
- ⊗ - POTABLE WELL LOCATION
- ⊕ - MONITORING WELL LOCATION
- — — — — HOT WATER LINE
- - - - - GAS LINE
- — — — — OVERHEAD ELECTRIC LINE
- · — · — · TELEPHONE/CABLE LINE
- · — · — · PROPERTY BOUNDARY



ESCANABA & LAKE SUPERIOR RAILROAD

COUNTY HIGHWAY P

SITE LAYOUT MAP

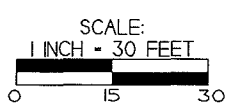
NOTE: INFORMATION BASED ON AVAILABLE DATA. ACTUAL CONDITIONS MAY DIFFER

B.3.c GROUNDWATER FLOW DIRECTION (JUNE 18, 2014)

KOPATZ/CRONCE PROPERTY

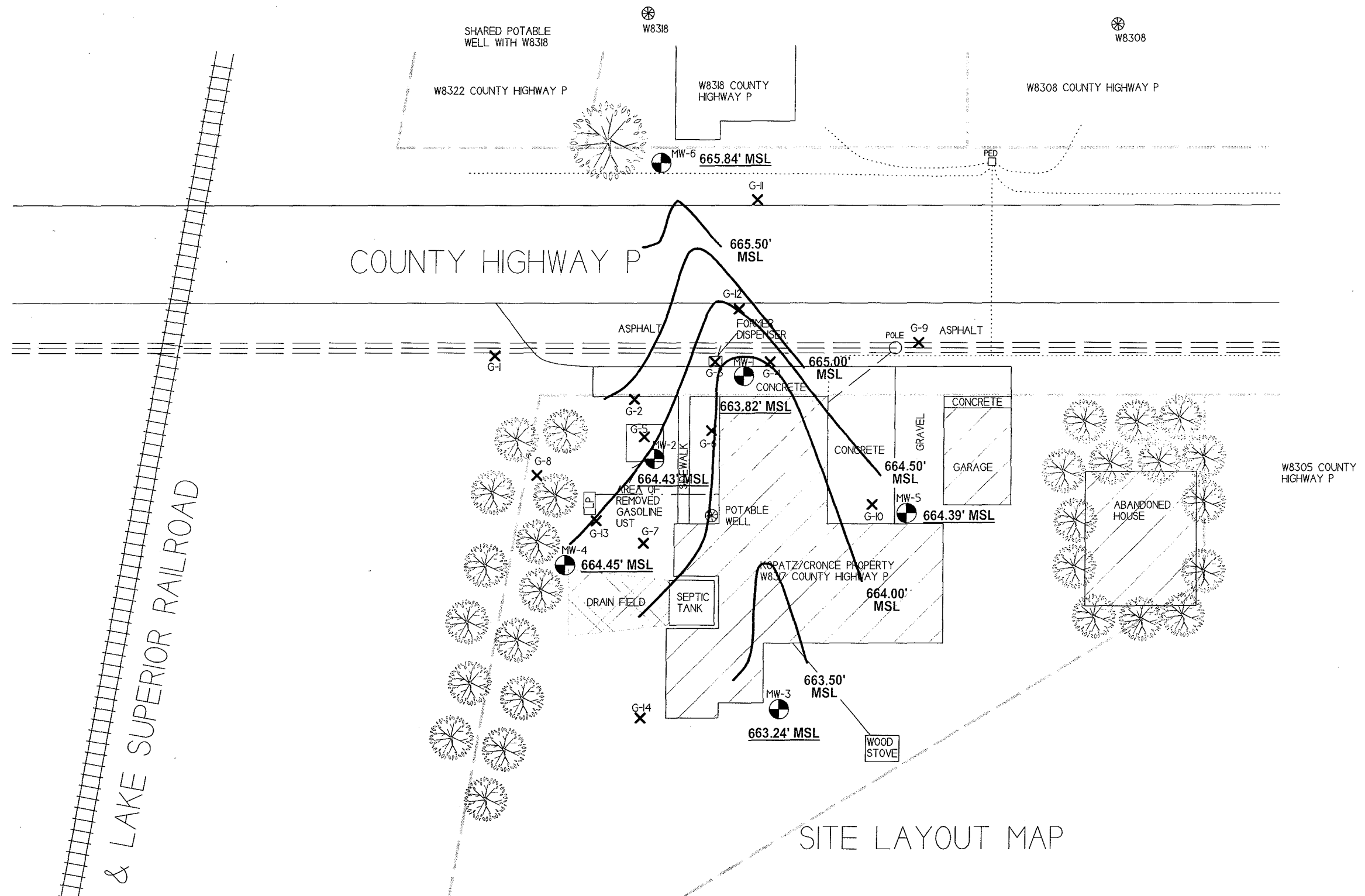
<p>709 Gillette Street, Suite 3 La Crosse, WI 54603 Tel: (608) 781-8879 Fax: (608) 781-8893 Excellence through experience</p>	BEAVER, WISCONSIN
	DRAWN BY: ED 07/13/2002
	UPDATED BY: ED 07/09/2003 JZ 02/02/2005

- X - GEOPROBE BORING LOCATION
- ⊗ - POTABLE WELL LOCATION
- ⊙ - MONITORING WELL LOCATION
- - - - - HOT WATER LINE
- - - - - GAS LINE
- - - - - OVERHEAD ELECTRIC LINE
- - - - - TELEPHONE/CABLE LINE
- - - - - PROPERTY BOUNDARY



W8305

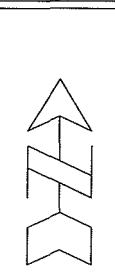




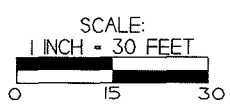
### SITE LAYOUT MAP

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

B.3.c GROUNDWATER FLOW DIRECTION (SEPTEMBER 18, 2014)	
KOPATZ/CRONCE PROPERTY	
<p>709 Gillette Street, Suite 3 La Crosse WI 54603 Tel: (608) 781-8879 Fax: (608) 781-8893</p> <p><i>Excellence through experience</i></p>	BEAVER, WISCONSIN
	DRAWN BY: ED 07/13/2002
	UPDATED BY: ED 07/09/2005 UPDATED BY: JZ 02/02/2005



- ✕ - GEOPROBE BORING LOCATION
- ⊗ - POTABLE WELL LOCATION
- - MONITORING WELL LOCATION
- — — — — - HOT WATER LINE
- - - - - - GAS LINE
- - - - - - OVERHEAD ELECTRIC LINE
- - - - - - TELEPHONE/CABLE LINE
- — — — — - PROPERTY BOUNDARY



ESCANABA & LAKE SUPERIOR RAILROAD

SHARED POTABLE WELL WITH W8318

W8318

W8308

W8322 COUNTY HIGHWAY P

W8318 COUNTY HIGHWAY P

W8308 COUNTY HIGHWAY P

MW-6 664.58' MSL

664.50' MSL

COUNTY HIGHWAY P

G-12

FORMER DISPENSER

POLE

G-9

ASPHALT

ASPHALT

G-1

CONCRETE 664.04' MSL

MW-1 664.04' MSL

G-3

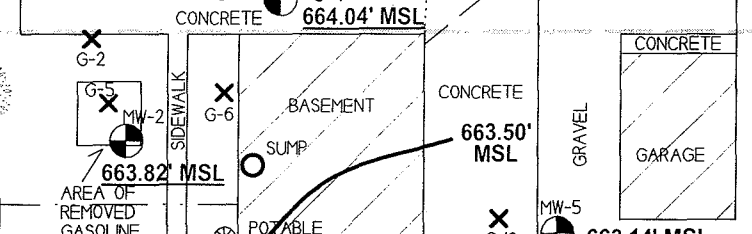
G-4

G-2

G-5

G-6

G-8



663.82' MSL

663.50' MSL

663.64' MSL

662.50' MSL

661.50' MSL

662.91' MSL

660.50' MSL

659.50' MSL

658.50' MSL

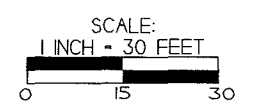
658.48' MSL

MW-3 662.91' MSL

MW-8 664.50' MSL

664.71' MSL

W8305 COUNTY HIGHWAY P



B.3.c GROUNDWATER FLOW DIRECTION (MAY 26, 2015)		↑ ↑ ↑ ↑
KOPATZ/CRONCE PROPERTY		
	709 Gillette Street, Suite 3 La Crosse, WI 54603 Tel: (608) 781-8879 Fax: (608) 781-8893	BEAVER, WISCONSIN
DRAWN BY: ED 07/13/2002		UPDATED BY: ED 07/09/2003

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

ESCANABA & LAKE SUPERIOR RAILROAD

W8305

- ✕ - GEOPROBE BORING LOCATION
- ⊗ - POTABLE WELL LOCATION
- ⊕ - MONITORING WELL LOCATION
- - HOT WATER LINE
- - GAS LINE
- - OVERHEAD ELECTRIC LINE
- - - - - - - - TELEPHONE/CABLE LINE
- - PROPERTY BOUNDARY

SHARED POTABLE WELL WITH W8318

W8318

W8308

W8322 COUNTY HIGHWAY P

W8318 COUNTY HIGHWAY P

W8308 COUNTY HIGHWAY P

662.07' MSL

662.00' MSL

COUNTY HIGHWAY P

G-12

FORMER DISPENSER

POLE

G-9

ASPHALT

ASPHALT

CONCRETE

661.35' MSL

661.00' MSL

661.62' MSL

661.29' MSL

KOPATZ/CRONCE PROPERTY  
W8317 COUNTY HIGHWAY P

660.36' MSL

660.00' MSL

659.00' MSL

658.00' MSL

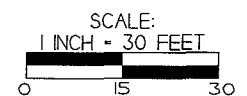
657.00' MSL

656.06' MSL

660.41' MSL

661.69' MSL

W8305 COUNTY HIGHWAY P

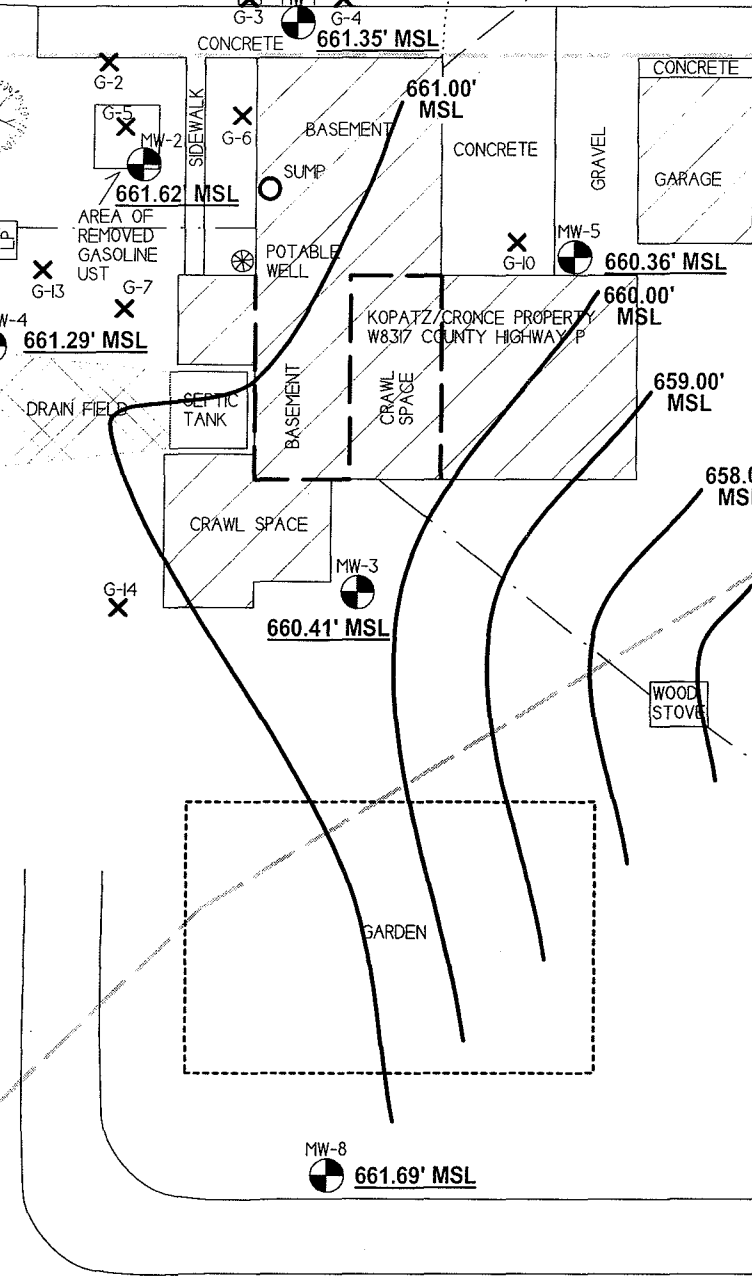
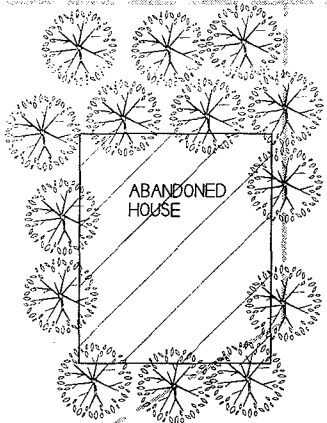
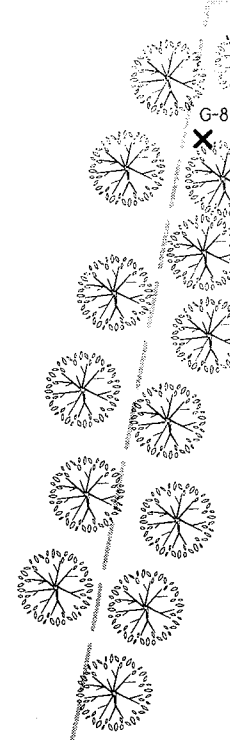


B.3.c GROUNDWATER FLOW DIRECTION (AUGUST 31, 2015)		
KOPATZ/CRONCE PROPERTY		
 709 Gillette Street, Suite 3 La Crosse, WI 54603 Tel: (608) 781-8879 Fax: (608) 781-8893	BEAVER, WISCONSIN	
	DRAWN BY: ED 07/13/2012 UPDATED BY: ED 07/09/2013	

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

- GEOPROBE BORING LOCATION
- POTABLE WELL LOCATION
- MONITORING WELL LOCATION
- HOT WATER LINE
- GAS LINE
- OVERHEAD ELECTRIC LINE
- TELEPHONE/CABLE LINE
- PROPERTY BOUNDARY

ESCANABA & LAKE SUPERIOR RAILROAD



SHARED POTABLE WELL WITH W8318

W8318

W8308

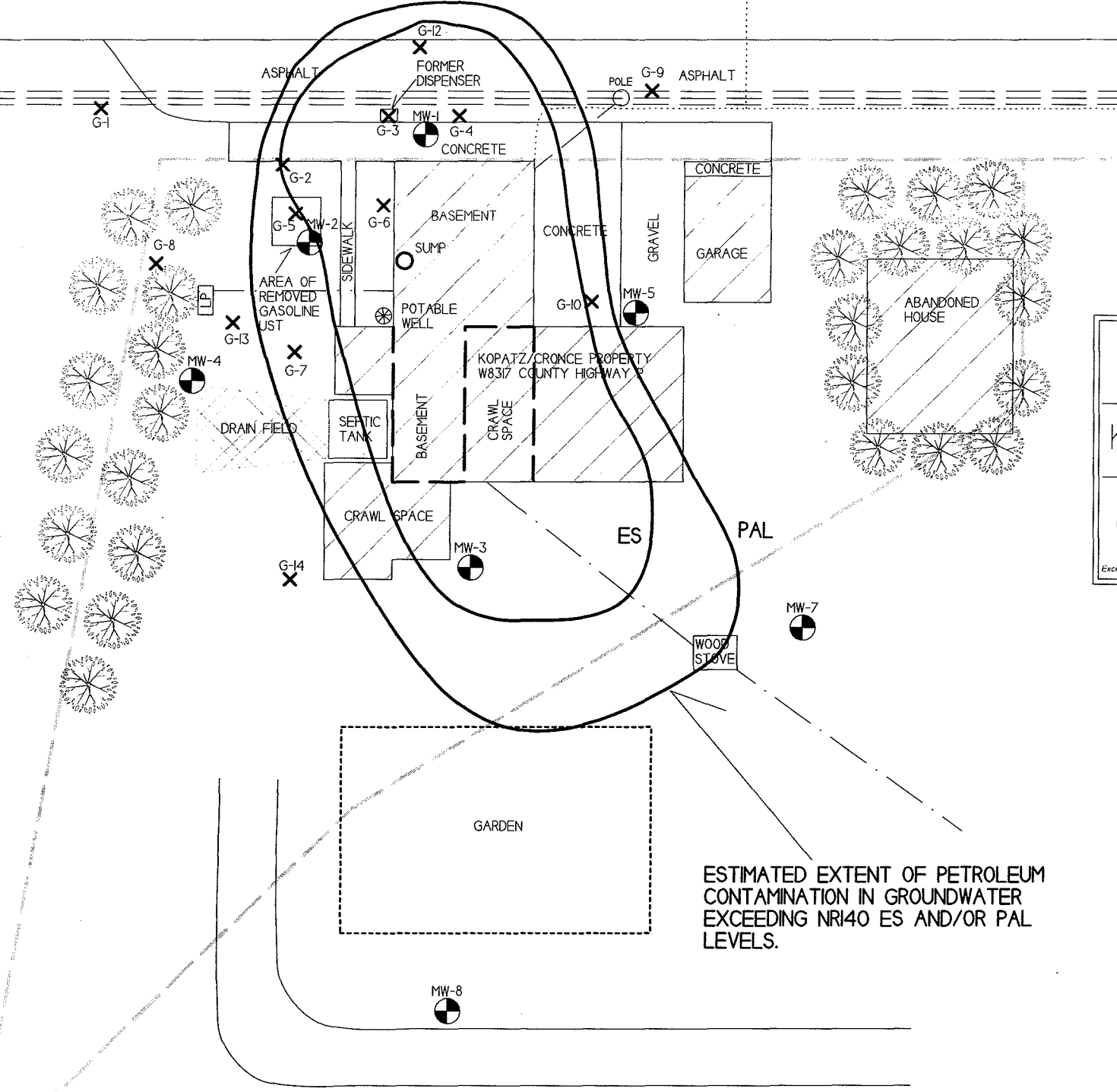
W8322 COUNTY HIGHWAY P

W8318 COUNTY HIGHWAY P

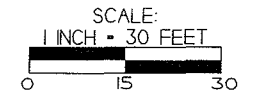
W8308 COUNTY HIGHWAY P

COUNTY HIGHWAY P

ESCANABA & LAKE SUPERIOR RAILROAD



W8305 COUNTY HIGHWAY P



B.3.b GROUNDWATER ISOCONCENTRATION (8/31/2015)		
KOPATZ/CRONCE PROPERTY		
 709 Gillette Street, Suite 3 La Crosse, WI 54603 Tel: (608) 781-8879 Fax: (608) 781-8893 Excellence through experience	BEAVER, WISCONSIN	
	DRAWN BY: ED 07/13/2002 UPDATED BY: ED 07/09/2003	

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

W8305

ESTIMATED EXTENT OF PETROLEUM CONTAMINATION IN GROUNDWATER EXCEEDING NR140 ES AND/OR PAL LEVELS.

- ✕ - GEOPROBE BORING LOCATION
- ⊗ - POTABLE WELL LOCATION
- ⊕ - MONITORING WELL LOCATION
- — — — — - HOT WATER LINE
- - - - - - GAS LINE
- — — — — - OVERHEAD ELECTRIC LINE
- · · · · - TELEPHONE/CABLE LINE
- — — — — - PROPERTY BOUNDARY

SHARED POTABLE WELL WITH W8318

W8318

W8308

W8322 COUNTY HIGHWAY P

W8318 COUNTY HIGHWAY P

W8308 COUNTY HIGHWAY P

COUNTY HIGHWAY P

ESTIMATED EXTENT OF PETROLEUM CONTAMINATION IN SOIL EXCEEDING NR720 GROUNDWATER RCL VALUES.

NOTE: SOIL BORINGS G-2, G-5, AND MW-4 SHOW LEAD EXCEEDANCES ONLY.

SCALE: 1 INCH = 30 FEET

W8305 COUNTY HIGHWAY P

### B.3.d.1 GEOLOGIC CROSS SECTION FIGURE KOPATZ/CRONCE PROPERTY



709 Gillette Street, Suite 3  
La Crosse, WI 54603  
Tel: (608) 781-8879  
Fax: (608) 781-8893

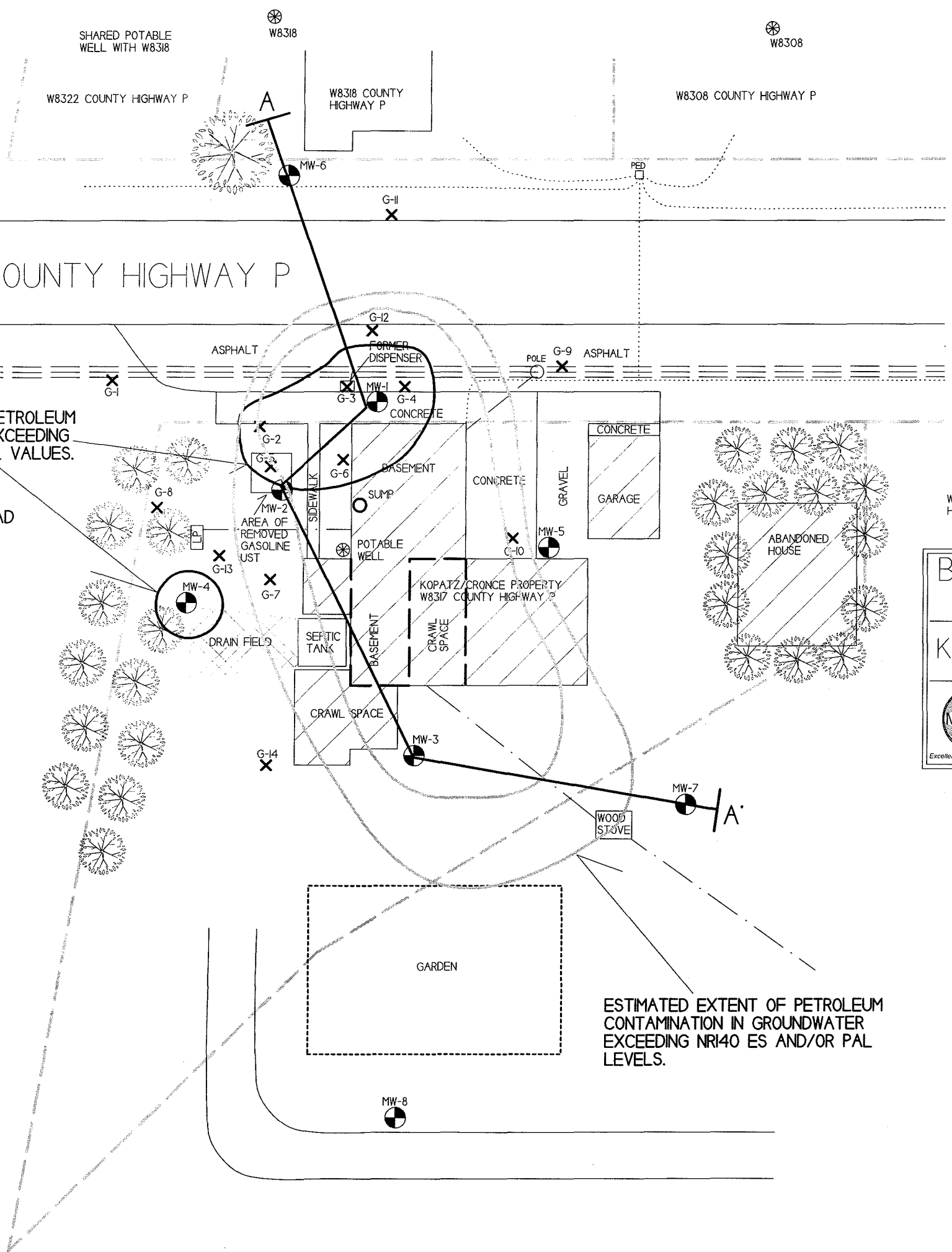
BEAVER, WISCONSIN

DRAWN BY: ED 07/13/2002  
UPDATED BY: ED 07/09/2003

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

- ✕ - GEOPROBE BORING LOCATION
- ⊗ - POTABLE WELL LOCATION
- ⊕ - MONITORING WELL LOCATION
- — — — — - HOT WATER LINE
- - - - - - GAS LINE
- - - - - - OVERHEAD ELECTRIC LINE
- ..... TELEPHONE/CABLE LINE
- PROPERTY BOUNDARY

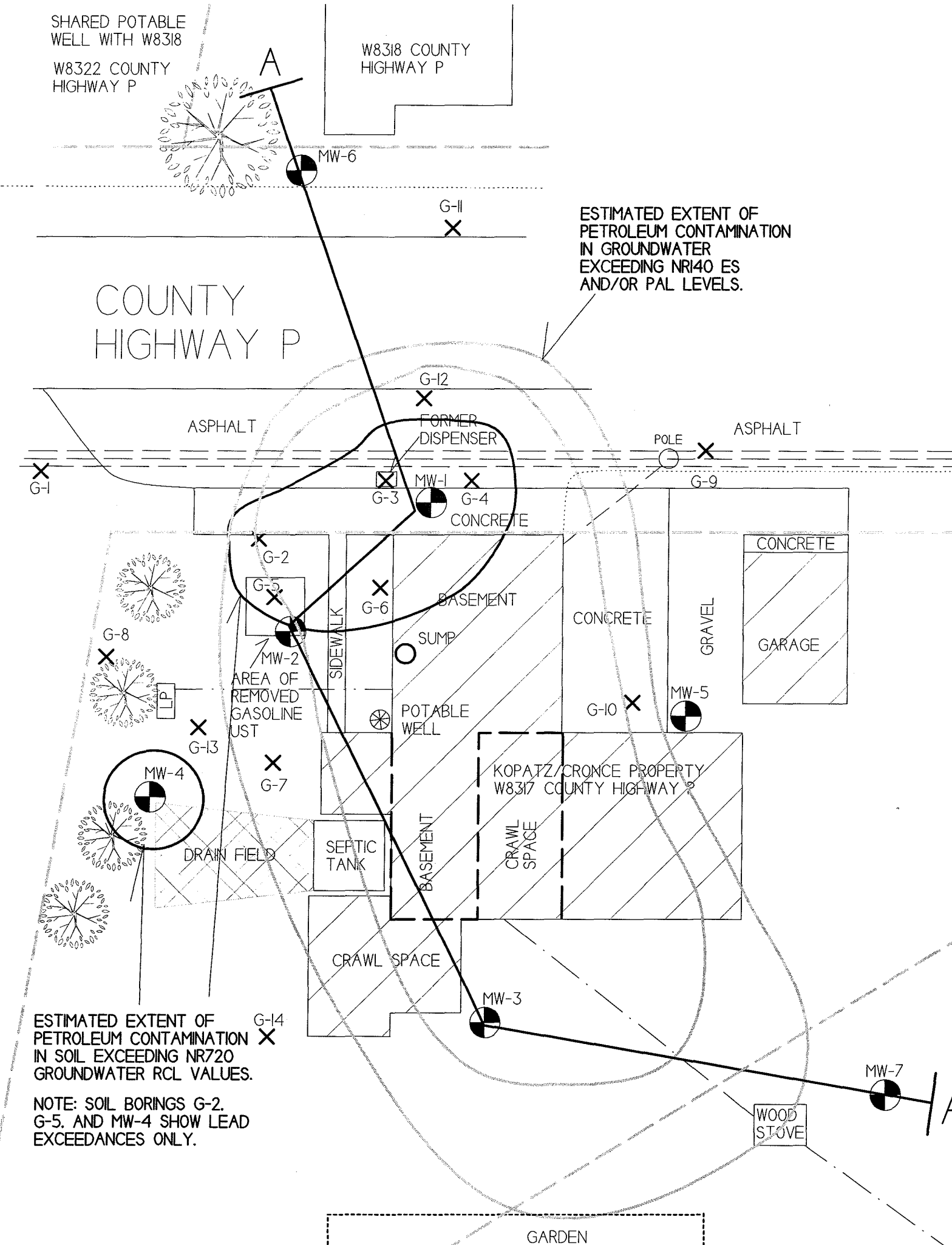
ESCANABA & LAKE SUPERIOR RAILROAD



ESTIMATED EXTENT OF PETROLEUM CONTAMINATION IN GROUNDWATER EXCEEDING NR140 ES AND/OR PAL LEVELS.

SHARED POTABLE  
WELL WITH W8318  
W8322 COUNTY  
HIGHWAY P

W8318 COUNTY  
HIGHWAY P



ESTIMATED EXTENT OF  
PETROLEUM CONTAMINATION  
IN GROUNDWATER  
EXCEEDING NR140 ES  
AND/OR PAL LEVELS.

COUNTY  
HIGHWAY P

ASPHALT

ASPHALT

G-12

FORMER  
DISPENSER

POLE

G-1

G-3

MW-1

G-4

CONCRETE

G-9

G-2

G-5

G-6

BASEMENT

CONCRETE

GRAVEL

CONCRETE

GARAGE

G-8

MW-2

AREA OF  
REMOVED  
GASOLINE  
JUST

SIDEWALK

SUMP

POTABLE  
WELL

G-10

MW-5

G-13

MW-4

G-7

DRAIN FIELD

SEPTIC TANK

BASEMENT

KOPATZ/CRONCE PROPERTY  
W8317 COUNTY HIGHWAY P

CRAWL SPACE

CRAWL SPACE

MW-3

ESTIMATED EXTENT OF  
PETROLEUM CONTAMINATION  
IN SOIL EXCEEDING NR720  
GROUNDWATER RCL VALUES.

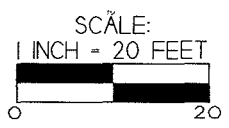
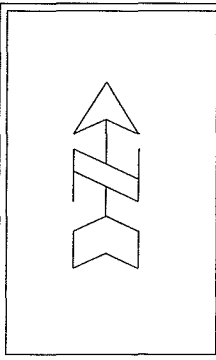
G-14

NOTE: SOIL BORINGS G-2,  
G-5, AND MW-4 SHOW LEAD  
EXCEEDANCES ONLY.

WOOD  
STOVE

MW-7

B.3.a.2 GEOLOGIC CROSS SECTION FIGURE (CLOSE UP)	
KOPATZ/CRONCE PROPERTY	
<p>709 Gillette Street, Suite 3 La Crosse, WI 54603 Tel: (608) 781-8879 Fax: (608) 781-8893 Excellence through experience</p>	<p>BEAVER, WISCONSIN</p>
	<p>DRAWN BY: ED 07/13/2002 UPDATED BY: ED 07/09/2003</p>



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

- - - - - = HOT WATER LINE
- - - - - = GAS LINE
- - - - - = OVERHEAD ELECTRIC LINE
- - - - - = TELEPHONE/CABLE LINE
- - - - - = PROPERTY BOUNDARY
- X = GEOPROBE BORING LOCATION
- ⊗ = POTABLE WELL LOCATION
- ⊙ = MONITORING WELL LOCATION

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

KOPATZ PROPERTY

BEAVER, WISCONSIN

DRAWN BY: JJ 10/19/2015

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

INFORMATION BASED ON AVAILABLE DATA. ACTUAL CONDITIONS MAY DIFFER

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

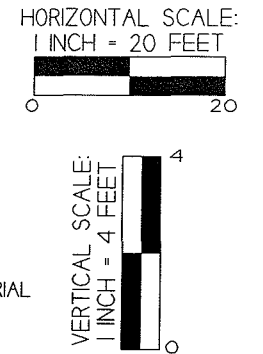
GROUNDWATER SAMPLE RESULTS ARE PRESENTED IN PARTS PER BILLION (PPB).

GROUNDWATER FLOW IS TOWARD THE SOUTH TO SOUTHEAST.

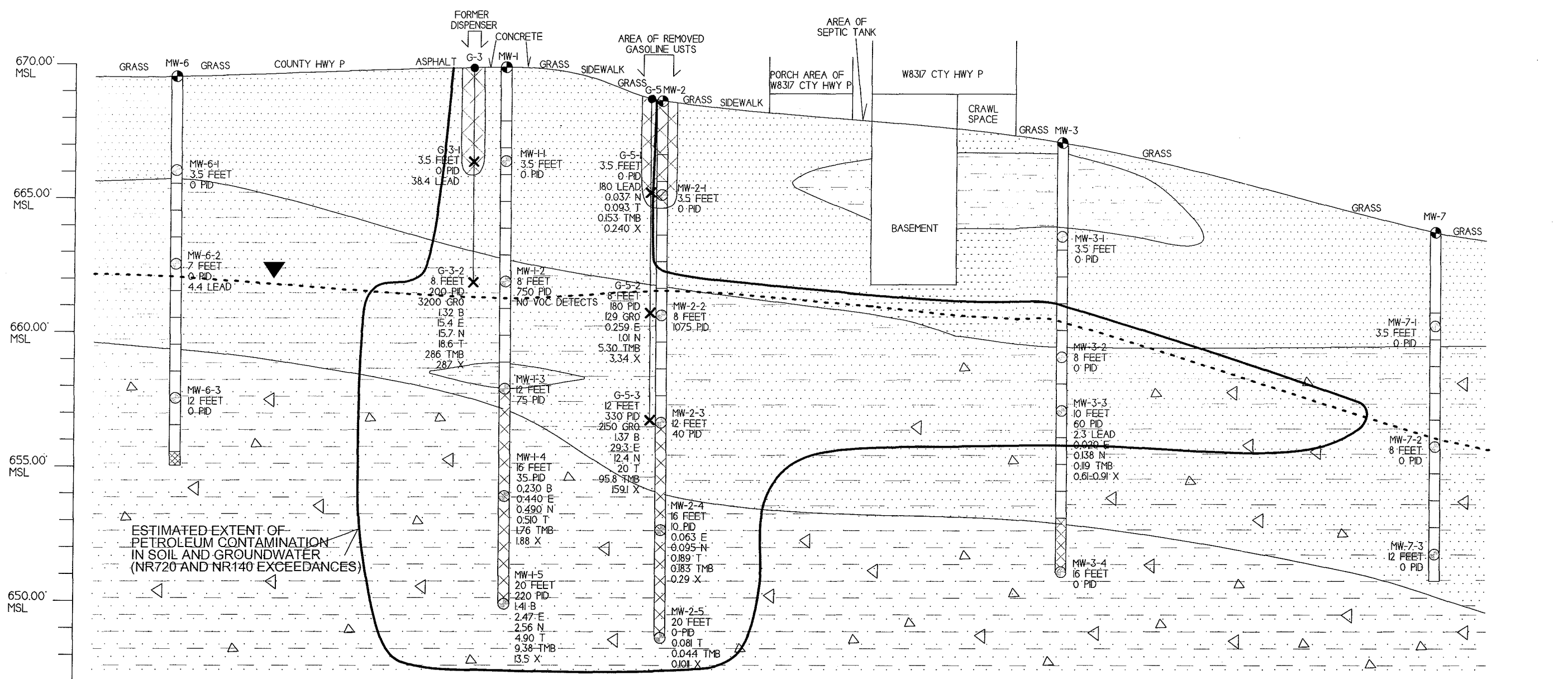
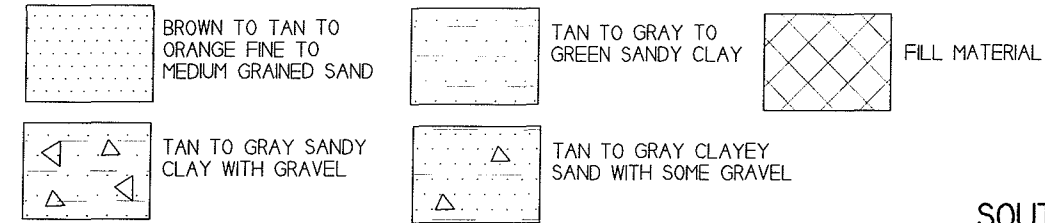
- PID - PHOTO IONIZATION DETECTOR
- GRO - GASOLINE RANGE ORGANICS
- VOC - VOLATILE ORGANIC COMPOUNDS
- B - BENZENE
- E - ETHYLBENZENE
- MTBE - METHYL-TERT-BUTYL-ETHER
- N - NAPHTHALENE
- T - TOLUENE
- TMB - TRIMETHYLBENZENE
- X - XYLENE

NOTE: SOIL AND GROUNDWATER SAMPLE DATA IS BASED ON LABORATORY RESULTS FROM SAMPLES COLLECTED DURING THE FOLLOWING EVENTS:

- GEOPROBE PROJECT (4/9-10/13)
- DRILLING PROJECT (4/16-17/14)
- DRILLING PROJECT (5/18/15)
- ROUND 4 GROUNDWATER SAMPLING (8/31/15)



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



MW-6

<0.46 B
<0.73 E
<0.49 MTBE
<2.60 N
<0.39 T
<1.51 TMB
<2.06 X

G-3

16.6 B
13.4 E
<3.70 MTBE
135 N
460 T
1370 TMB
2020 X

MW-1

10.2 LEAD
1660 B
590 E
<2.45 MTBE
278 N
3800 T
1270 TMB
4730 X

G-5

13.5 B
1010 E
<8.5 MTBE
229 N
1470 T
1680 TMB
6010 X

MW-2

2.80 B
88 E
<0.49 MTBE
14.8 N
8.5 T
72.9 TMB
152.3 X

MW-3

17.4 B
231 E
<0.49 MTBE
23.9 N
88 T
80.4 TMB
88.5 X

MW-7

<0.70 LEAD
<0.46 B
<0.73 E
<0.49 MTBE
<2.6 N
<0.39 T
<1.51 TMB
<2.06 X

## 7.0 DATA TABLES, GRAPHS, AND STATISTICAL ANALYSIS





A.2. Soil Analytical Results Table  
Kopatz/Cronce Property BRRTS# 03-38-231379

Sample ID	Depth (feet)	U	Date	PID	Lead (ppm)	DRO (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)	DIRECT CONTACT PVOC			
																	Exceedance Count	Hazard Index	Cumulative Cancer Risk	
MW-4-1	3.5	U	04/16/14	0																
MW-4-2	4.5	U	04/16/14	0	40.9	NS	NS	<0.025	<0.025	<0.025	0.280	<0.025	0.078	0.119	0.047-0.097	NS				
MW-4-3	12.0	S	04/16/14	0																
MW-5-1	3.5	U	04/16/14	0																
MW-5-2	8.0	U	04/16/14	0	3.2	NS	NS	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.75	NS				
MW-5-3	12.0	S	04/16/14	0																
MW-5-4	14.0	S	04/16/14	0																
MW-6-1	3.5	U	04/16/14	0																
MW-6-2	7.0	U	04/16/14	0	4.4	NS	NS	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.75	NS				
MW-6-3	12.0	S	04/16/14	0																
MW-1-1	3.5	U	04/17/14	0																
MW-1-2	8.0	U	04/17/14	750																
MW-1-3	12.0	S	04/17/14	75																
MW-1-4	16.0	S	04/17/14	35	NS	NS	NS	0.230	0.440	<0.025	0.490	0.510	1.03	0.730	1.88	NS				
MW-1-5	20.0	S	04/17/14	220	NS	NS	NS	1.41	2.47	<0.025	2.56	4.9	6.5	2.88	13.5	NS				
MW-2-1	3.5	U	04/17/14	0																
MW-2-2	8.0	S	04/17/14	1075																
MW-2-3	12.0	S	04/17/14	40																
MW-2-4	16.0	S	04/17/14	10	NS	NS	NS	<0.025	0.063	<0.025	0.095	0.189	0.124	0.059	0.29	NS				
MW-2-5	20.0	S	04/17/14	0	NS	NS	NS	<0.025	<0.025	<0.025	<0.025	0.081	0.044	<0.025	0.1011	NS				
MW-3-1	3.5	U	04/17/14	0																
MW-3-2	8.0	S	04/17/14	0																
MW-3-3	10.0	S	04/17/14	60	2.3	NS	NS	<0.025	0.029	<0.025	0.138	<0.025	0.036	0.083	0.61-0.91	NS				
MW-3-4	16.0	S	04/17/14	0																
MW-7-1	3.5	U	05/18/15	0																
MW-7-2	8.0	S	05/18/15	0																
MW-7-3	12.0	S	05/18/15	0																
MW-8-1	0-4	U	05/18/15	0																
MW-8-2	4-8	S	05/18/15	0																
MW-8-3	8-12	S	05/18/15	0																
<b>Groundwater RCL</b>					<b>27</b>	-	-	<b>0.00512</b>	<b>1.57</b>	<b>0.027</b>	<b>0.659</b>	<b>1.11</b>	<b>1.38</b>	<b>3.94</b>	-					
<b>Non-Industrial Direct Contact RCL</b>					<b>400</b>	-	-	<b>1.49</b>	<b>7.47</b>	<b>59.4</b>	<b>5.15</b>	<b>818</b>	<b>89.8</b>	<b>182</b>	<b>258</b>	-		<b>1.00E+00</b>	<b>1.00E-05</b>	
<b>Soil Saturation Concentration (C-sat)*</b>					-	-	-	<b>1820*</b>	<b>480*</b>	<b>8870*</b>	-	<b>818*</b>	<b>219*</b>	<b>182*</b>	<b>258*</b>	-				

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. Soil Analytical Results Table  
Kopatz Property BRRTS# 03-38-231379

Sampling Conducted on April 9, 2013

VOC's		Bold = Groundwater RCL	Underline & Bold = Direct Contact RCL	Asteric * & Bold =Soil Saturation (C-sat) RCL
Sample ID#	G-4-2			
Sample Depth/ft.	8			
Lead/ppm	6.29	27	400	==
GRO/ppm	2490	==	==	==
Benzene/ppm	1.17	0.00512	1.49	1820
Bromobenzene/ppm	<0.650	==	354	==
Bromodichloromethane/ppm	<1.350	0.000326	0.39	==
Bromoform/ppm	<1.500	0.00233	61.6	==
tert-Butylbenzene/ppm	<1.000	==	183	183
sec-Butylbenzene/ppm	2.5	==	145	145
n-Butylbenzene/ppm	11.6	==	108	108
Carbon Tetrachloride/ppm	<1.250	0.00388	0.85	==
Chlorobenzene/ppm	<0.800	==	392	==
Chloroethane/ppm	<2.100	0.227	==	==
Chloroform/ppm	<2.450	0.0033	0.42	==
Chloromethane/ppm	<9.050	0.0155	171	==
2-Chlorotoluene/ppm	<0.800	==	==	==
4-Chlorotoluene/ppm	<0.700	==	==	==
1,2-Dibromo-3-chloropropane/ppm	<2.400	0.000173	0.01	==
Dibromochloromethane/ppm	<0.700	0.032	0.93	==
1,4-Dichlorobenzene/ppm	<1.650	0.144	3.48	==
1,3-Dichlorobenzene/ppm	<1.500	1.15	297	297
1,2-Dichlorobenzene/ppm	<1.900	1.17	376	376
Dichlorodifluoromethane/ppm	<2.850	3.08	135	==
1,2-Dichloroethane/ppm	<1.800	0.00284	0.61	540
1,1-Dichloroethane/ppm	<0.950	0.484	4.72	==
1,1-Dichloroethene/ppm	<1.050	0.00502	342	==
cis-1,2-Dichloroethene/ppm	<1.200	0.0412	156	==
trans-1,2-Dichloroethene/ppm	<1.450	0.0588	211	==
1,2-Dichloropropane/ppm	<0.475	0.00332	1.33	==
2,2-Dichloropropane/ppm	<2.300	==	527	527
1,3-Dichloropropane/ppm	<1.050	==	1490	1490
Di-isopropyl ether/ppm	<0.550	==	2260	2260
EDB (1,2-Dibromoethane)/ppm	<1.000	0.0000282	0.05	==
Ethylbenzene/ppm	41	1.57	7.47	480
Hexachlorobutadiene/ppm	<4.750	==	6.23	==
Isopropylbenzene/ppm	4.1	==	==	==
p-Isopropyltoluene/ppm	1.89	==	162	162
Methylene chloride/ppm	<2.850	0.00256	60.7	==
Methyl tert-butyl ether (MTBE)/ppm	<1.500	0.027	59.4	8870
Naphthalene/ppm	24.8	0.659	5.15	==
n-Propylbenzene/ppm	13.9	==	==	==
1,1,2,2-Tetrachloroethane/ppm	<0.600	0.000156	0.75	==
1,1,1,2-Tetrachloroethane/ppm	<1.150	0.0533	2.59	==
Tetrachloroethene (PCE)/ppm	<2.450	0.00454	30.7	==
Toluene/ppm	57	1.11	818	818
1,2,4-Trichlorobenzene/ppm	<3.950	0.408	22.1	==
1,2,3-Trichlorobenzene/ppm	<6.450	==	48.9	==
1,1,1-Trichloroethane/ppm	<1.900	0.14	==	==
1,1,2-Trichloroethane/ppm	<1.150	0.00324	1.48	==
Trichloroethene (TCE)/ppm	<1.400	0.00358	0.64	==
Trichlorofluoromethane/ppm	<4.300	==	1120	==
1,2,4-Trimethylbenzene/ppm	111		89.8	219
1,3,5-Trimethylbenzene/ppm	32	1.38	182	182
Vinyl Chloride/ppm	<1.050	0.000138	0.07	==
m&p-Xylene/ppm	187			
o-Xylene/ppm	73	3.94	258	258

NS = not sampled, NM = Not Measured  
(ppm) = parts per million  
DRO = Diesel Range Organics  
GRO = Gasoline Range Organics  
== No Exceedences

A.1 Groundwater Analytical Table  
 (Geoprobe)  
 Kopatz Property BRTS# 03-38-231379

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	04/09/13	NS	NS	NS	<0.27	<0.82	<0.37	<1.2	<0.8	<1.69	<2.41	NS
G-2-W	04/09/13	NS	NS	NS	8.5	710	<7.4	242	1190	1500	4360	NS
G-3-W	04/09/13	NS	NS	NS	16.6	134	<3.7	135	460	1370	2020	NS
G-4-W	04/09/13	NS	NS	NS	4000	1080	<37	550	11700	1007	4600	NS
G-5-W	04/09/13	NS	NS	NS	<13.5	1010	<18.5	229	1470	1680	6010	NS
G-6-W	04/09/13	NS	NS	NS	135	1100	<37	330	7100	772	6120	NS
G-7-W	04/09/13	NS	NS	NS	3.2	3.4	<0.37	8.3	6.9	4.46	10.44	NS
G-8-W	04/09/13	NS	NS	NS	<0.27	<0.82	<0.37	<1.2	0.93	<1.69	2.01-2.92	NS
G-9-W	04/09/13	NS	NS	NS	<0.27	<0.82	<0.37	<1.2	<0.8	<1.69	<2.41	NS
G-10-W	04/09/13	NS	NS	NS	1.14	0.91	<0.37	1.86	16.8	9.56	24.1	NS
G-11-W	04/09/13	NS	NS	NS	0.33	0.91	<0.37	<1.2	3.9	<1.69	4.51	NS
G-12-W	04/09/13	NS	NS	NS	10.7	32	<3.7	24.3	36	93.7	90.1	NS
G-13-W	04/09/13	NS	NS	NS	<0.27	<0.82	<0.37	<1.2	<0.8	<1.69	<2.41	NS
G-14-W	04/09/13	NS	NS	NS	<0.27	<0.82	<0.37	<1.2	1.01	<1.69	<2.41	NS
SUMP	05/18/15	NS	NS	NS								NS
<b>ENFORCEMENT STANDARD ES = Bold</b>		15	-	-	5	700	60	100	800	480	2000	
<b>PREVENTIVE ACTION LIMIT PAL = Italics</b>		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  
 Kopatz Property BRRTS# 03-38-231379

Well MW-1

PVC Elevation = 669.54 (feet) (MSL)

Date	Water Elevation (in feet msl)	Depth to Water (in feet)	Lead (ppb)	Benzene (ppb)	Ethyl Benzene (ppb)	MTBE (ppb)	Naphthalene (ppb)	Toluene (ppb)	Trimethylbenzenes (ppb)	Xylene (Total) (ppb)
06/18/14	664.68	4.86	5.3	540	350	<4.6	274	2730	544	2480
09/18/14	663.82	5.72	NS	750	370	<7.4	143	2490	477	2310
05/26/15	664.04	5.50	13.5	370	320	<9.8	200	2590	1048	4490
08/31/15	661.35	8.19	10.2	1660	590	<24.5	278	3800	1270	4730
<b>ENFORCEMENT STANDARD ES = Bold</b>			15	5	700	60	100	800	480	2000
<b>PREVENTIVE ACTION LIMIT PAL = Italics</b>			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 = 668.20 (feet) (MSL)

Date	Water Elevation (in feet msl)	Depth to Water (in feet)	Lead (ppb)	Benzene (ppb)	Ethyl Benzene (ppb)	MTBE (ppb)	Naphthalene (ppb)	Toluene (ppb)	Trimethylbenzenes (ppb)	Xylene (Total) (ppb)
06/18/14	664.36	3.84	1.5	<12	215	<11.5	<85	1060	362	1230
09/18/14	664.43	3.77	NS	98	2480	<3.7	680	5100	2710	6710
05/26/15	663.82	4.38	0.8	3.7	61	<0.49	14.4	4.1	81	108.5
08/31/15	661.62	6.58	NS	2.8	88	<0.49	14.8	8.5	72.9	152.3
<b>ENFORCEMENT STANDARD ES = Bold</b>			15	5	700	60	100	800	480	2000
<b>PREVENTIVE ACTION LIMIT PAL = Italics</b>			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 = 666.72 (feet) (MSL)

Date	Water Elevation (in feet msl)	Depth to Water (in feet)	Lead (ppb)	Benzene (ppb)	Ethyl Benzene (ppb)	MTBE (ppb)	Naphthalene (ppb)	Toluene (ppb)	Trimethylbenzenes (ppb)	Xylene (Total) (ppb)
06/18/14	663.15	3.57	<0.7	31.4	117	<0.23	27	26.8	122	164.1
09/18/14	663.24	3.48	NS	18.9	214	<0.37	66	33	165	152.5
05/26/15	662.91	3.81	NS	146	287	<0.49	59	98	111.8	137.7
08/31/15	660.41	6.31	NS	174	231	<0.49	23.9	88	80.4	88.5
<b>ENFORCEMENT STANDARD ES = Bold</b>			15	5	700	60	100	800	480	2000
<b>PREVENTIVE ACTION LIMIT PAL = Italics</b>			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  
 Kopatz Property BRRTS# 03-38-231379

Well MW-4

PVC Elevation = 667.08 (feet) (MSL)

Date	Water Elevation (in feet msl)	Depth to Water (in feet)	Lead (ppb)	Benzene (ppb)	Ethyl Benzene (ppb)	MTBE (ppb)	Naphthalene (ppb)	Toluene (ppb)	Trimethyl-benzenes (ppb)	Xylene (Total) (ppb)
06/18/14	664.07	3.01	<0.7	<0.24	<0.55	<0.23	2.89	<0.69	<3.6	<1.32
09/18/14	664.45	2.63	NS	<0.27	<0.82	<0.37	<1.2	<0.8	<1.69	<2.41
05/26/15	663.64	3.44	NS	<0.46	<0.73	<0.49	<2.6	<0.39	<1.51	<2.06
08/31/15	661.29	5.79	NS	<0.46	<0.73	<0.49	<2.6	<0.39	<1.51	<2.06
<b>ENFORCEMENT STANDARD ES = Bold</b>			<b>15</b>	<b>5</b>	<b>700</b>	<b>60</b>	<b>100</b>	<b>800</b>	<b>480</b>	<b>2000</b>
<b>PREVENTIVE ACTION LIMIT PAL = Italics</b>			<b>1.5</b>	<b>0.5</b>	<b>140</b>	<b>12</b>	<b>10</b>	<b>160</b>	<b>96</b>	<b>400</b>

(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-5

PVC Elevation = 670.45 (feet) (MSL)

Date	Water Elevation (in feet msl)	Depth to Water (in feet)	Lead (ppb)	Benzene (ppb)	Ethyl Benzene (ppb)	MTBE (ppb)	Naphthalene (ppb)	Toluene (ppb)	Trimethyl-benzenes (ppb)	Xylene (Total) (ppb)
06/18/14	664.11	6.34	1.5	0.40	<0.55	<0.23	2.55	<0.69	<3.6	<1.32
09/18/14	664.39	6.06	NS	<0.27	<0.82	<0.37	<1.2	<0.8	<1.69	<2.41
05/26/15	663.14	7.31	1.7	<0.46	<0.73	<0.49	<2.6	<0.39	<1.51	<2.06
08/31/15	660.36	10.09	<0.7	<0.46	<0.73	<0.49	<2.6	<0.39	<1.51	<2.06
<b>ENFORCEMENT STANDARD ES = Bold</b>			<b>15</b>	<b>5</b>	<b>700</b>	<b>60</b>	<b>100</b>	<b>800</b>	<b>480</b>	<b>2000</b>
<b>PREVENTIVE ACTION LIMIT PAL = Italics</b>			<b>1.5</b>	<b>0.5</b>	<b>140</b>	<b>12</b>	<b>10</b>	<b>160</b>	<b>96</b>	<b>400</b>

(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-6

PVC Elevation = 669.16 (feet) (MSL)

Date	Water Elevation (in feet msl)	Depth to Water (in feet)	Lead (ppb)	Benzene (ppb)	Ethyl Benzene (ppb)	MTBE (ppb)	Naphthalene (ppb)	Toluene (ppb)	Trimethyl-benzenes (ppb)	Xylene (Total) (ppb)
06/18/14	665.70	3.46	<0.7	<0.24	<0.55	<0.23	<1.7	<0.69	<3.6	<1.32
09/18/14	665.84	3.32	NS	<0.27	<0.82	<0.37	<1.2	<0.8	<1.69	<2.41
05/26/15	664.58	4.58	NS	<0.46	<0.73	<0.49	<2.6	<0.39	<1.51	<2.06
08/31/15	662.07	7.09	NS	<0.46	<0.73	<0.49	<2.6	<0.39	<1.51	<2.06
<b>ENFORCEMENT STANDARD ES = Bold</b>			<b>15</b>	<b>5</b>	<b>700</b>	<b>60</b>	<b>100</b>	<b>800</b>	<b>480</b>	<b>2000</b>
<b>PREVENTIVE ACTION LIMIT PAL = Italics</b>			<b>1.5</b>	<b>0.5</b>	<b>140</b>	<b>12</b>	<b>10</b>	<b>160</b>	<b>96</b>	<b>400</b>

(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  
 Kopatz Property BRRTS# 03-38-231379

Well MW-7

PVC Elevation = 663.39 (feet) (MSL)

Date	Water Elevation (in feet msl)	Depth to Water (in feet)	Lead (ppb)	Benzene (ppb)	Ethyl Benzene (ppb)	MTBE (ppb)	Naphthalene (ppb)	Toluene (ppb)	Trimethyl-benzenes (ppb)	Xylene (Total) (ppb)
05/26/15	658.48	4.91	3.8	<0.44	<0.71	<1.1	<1.6	<0.44	<3.1	<3.1
08/31/15	656.06	7.33	<0.7	<0.46	<0.73	<0.49	<2.6	<0.39	<1.51	<2.06
<b>ENFORCEMENT STANDARD ES = Bold</b>			15	5	700	60	100	800	480	2000
<b>PREVENTIVE ACTION LIMIT PAL = Italics</b>			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-8

PVC Elevation = 666.62 (feet) (MSL)

Date	Water Elevation (in feet msl)	Depth to Water (in feet)	Lead (ppb)	Benzene (ppb)	Ethyl Benzene (ppb)	MTBE (ppb)	Naphthalene (ppb)	Toluene (ppb)	Trimethyl-benzenes (ppb)	Xylene (Total) (ppb)
05/26/15	664.71	1.91	<0.7	<0.44	<0.71	<1.1	<1.6	<0.44	<3.1	<3.1
08/31/15	661.69	4.93	NS	<0.46	<0.73	<0.49	<2.6	<0.39	<1.51	<2.06
<b>ENFORCEMENT STANDARD ES = Bold</b>			15	5	700	60	100	800	480	2000
<b>PREVENTIVE ACTION LIMIT PAL = Italics</b>			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).

Potable W8317 PW (On Site Well)

Date	Water Elevation (in feet msl)	Depth to Water (in feet)	Lead (ppb)	Benzene (ppb)	Ethyl Benzene (ppb)	MTBE (ppb)	Naphthalene (ppb)	Toluene (ppb)	Trimethyl-benzenes (ppb)	Xylene (Total) (ppb)
04/09/13	NM	NM	NS	<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
05/26/15	NM	NM	<0.7	<0.44	<0.71	<1.1	<1.6	<0.44	<3.1	<3.1
08/31/15	NM	NM	NS	<0.44	<0.71	<1.1	<1.6	<0.44	<3.1	<3.1
<b>ENFORCEMENT STANDARD ES = Bold</b>			15	5	700	60	100	800	480	2000
<b>PREVENTIVE ACTION LIMIT PAL = Italics</b>			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  
 Kopatz Property BRRTS# 03-38-231379

W8302 PW

Date	Water Elevation (in feet msl)	Depth to Water (in feet)	Lead (ppb)	Benzene (ppb)	Ethyl Benzene (ppb)	MTBE (ppb)	Naphthalene (ppb)	Toluene (ppb)	Trimethylbenzenes (ppb)	Xylene (Total) (ppb)
06/18/14	NM	NM	1.0	<0.24	<0.27	<0.26	<0.49	<0.24	<0.57	<0.94
09/18/14	NOT SAMPLED									
05/26/15	NOT SAMPLED									
08/31/15	NOT SAMPLED									
<b>ENFORCEMENT STANDARD ES = Bold</b>			<b>15</b>	<b>5</b>	<b>700</b>	<b>60</b>	<b>100</b>	<b>800</b>	<b>480</b>	<b>2000</b>
<b>PREVENTIVE ACTION LIMIT PAL = Italics</b>			<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).

W8305 PW

Date	Water Elevation (in feet msl)	Depth to Water (in feet)	Lead (ppb)	Benzene (ppb)	Ethyl Benzene (ppb)	MTBE (ppb)	Naphthalene (ppb)	Toluene (ppb)	Trimethylbenzenes (ppb)	Xylene (Total) (ppb)
09/18/14	NM	NM	NS	<0.24	<0.27	<0.26	<0.49	<0.24	<0.57	<0.94
05/26/15	NOT SAMPLED									
08/31/15	NOT SAMPLED									
<b>ENFORCEMENT STANDARD ES = Bold</b>			<b>15</b>	<b>5</b>	<b>700</b>	<b>60</b>	<b>100</b>	<b>800</b>	<b>480</b>	<b>2000</b>
<b>PREVENTIVE ACTION LIMIT PAL = Italics</b>			<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).

W8308 PW

Date	Water Elevation (in feet msl)	Depth to Water (in feet)	Lead (ppb)	Benzene (ppb)	Ethyl Benzene (ppb)	MTBE (ppb)	Naphthalene (ppb)	Toluene (ppb)	Trimethylbenzenes (ppb)	Xylene (Total) (ppb)
06/18/14	NM	NM	0.9	<0.24	<0.27	<0.26	<0.49	<0.24	<0.57	<0.94
09/18/14	NOT SAMPLED									
05/26/15	NOT SAMPLED									
08/31/15	NOT SAMPLED									
<b>ENFORCEMENT STANDARD ES = Bold</b>			<b>15</b>	<b>5</b>	<b>700</b>	<b>60</b>	<b>100</b>	<b>800</b>	<b>480</b>	<b>2000</b>
<b>PREVENTIVE ACTION LIMIT PAL = Italics</b>			<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  
 Kopatz Property BRRTS# 03-38-231379

W8318 PW

Date	Water Elevation (in feet msl)	Depth to Water (in feet)	Lead (ppb)	Benzene (ppb)	Ethyl Benzene (ppb)	MTBE (ppb)	Naphthalene (ppb)	Toluene (ppb)	Trimethylbenzenes (ppb)	Xylene (Total) (ppb)
06/18/14	NM	NM	<0.7	<0.24	<0.27	<0.26	<0.49	<0.24	<0.57	<0.94
09/18/14	NOT SAMPLED									
05/26/15	NOT SAMPLED									
08/31/15	NOT SAMPLED									
<b>ENFORCEMENT STANDARD ES = Bold</b>			15	5	700	60	100	800	480	2000
<b>PREVENTIVE ACTION LIMIT PAL = Italics</b>			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  
 Kopatz Property BRRTS# 03-38-231379

SUMP

Date	Water Elevation (in feet msl)	Depth to Water (in feet)	Lead (ppb)	Benzene (ppb)	Ethyl Benzene (ppb)	MTBE (ppb)	Naphthalene (ppb)	Toluene (ppb)	Trimethylbenzenes (ppb)	Xylene (Total) (ppb)
05/18/15	NM	NM	NS	22.1	30	<0.49	6.7	238	27.7	237
08/31/15	NOT SAMPLED									
<b>ENFORCEMENT STANDARD ES = Bold</b>			15	5	700	60	100	800	480	2000
<b>PREVENTIVE ACTION LIMIT PAL = Italics</b>			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  
Kopatz Property BRRTS# 03-38-231379

Well Sampling Conducted on: 04/09/13 06/18/14 06/18/14 06/18/14 06/18/14 06/18/14 06/18/14 06/18/14 05/26/15 05/26/15 05/26/15 08/31/15

VOC's Well Name	W8317 PW	MW-1	MW-2	MW-3	MW-4	MW-5	MW-6	MW-7	MW-8	W8317 PW	W8317 PW
Lead, dissolved/ppb	NS	5.3	1.5 "J"	< 0.7	< 0.7	1.5 "J"	< 0.7	3.8 "J"	< 0.7	< 0.7	NS
Benzene/ppb	< 0.24	540	< 12	31.4	< 0.24	0.40 "J"	< 0.24	< 0.44	< 0.44	< 0.44	< 0.44
Bromobenzene/ppb	< 0.33	< 6.4	< 16	< 0.32	< 0.32	< 0.32	< 0.32	< 0.48	< 0.48	< 0.48	< 0.48
Bromodichloromethane/ppb	< 0.27	< 7.4	< 18.5	< 0.37	< 0.37	< 0.37	< 0.37	< 0.46	< 0.46	< 0.46	< 0.46
Bromoform/ppb	< 0.34	< 7	< 17.5	< 0.35	< 0.35	< 0.35	< 0.35	< 0.46	< 0.46	< 0.46	< 0.46
tert-Butylbenzene/ppb	< 0.98	< 7.2	< 18	< 0.36	< 0.36	< 0.36	< 0.36	< 1.1	< 1.1	< 1.1	< 1.1
sec-Butylbenzene/ppb	< 0.25	< 6.6	< 16.5	1.74	< 0.33	< 0.33	< 0.33	< 1.2	< 1.2	< 1.2	< 1.2
n-Butylbenzene/ppb	< 0.24	18.2 "J"	< 17.5	9.5	< 0.35	< 0.35	< 0.35	< 1	< 1	< 1	< 1
Carbon Tetrachloride/ppb	< 0.62	< 6.6	< 16.5	< 0.33	< 0.33	< 0.33	< 0.33	< 0.65	< 0.65	< 0.65	< 0.65
Chlorobenzene/ppb	< 0.28	< 4.8	< 12	< 0.24	< 0.24	< 0.24	< 0.24	< 0.46	< 0.46	< 0.46	< 0.46
Chloroethane/ppb	< 0.81	< 12.6	< 31.5	< 0.63	< 0.63	< 0.63	< 0.63	< 0.65	< 0.65	< 0.65	< 0.65
Chloroform/ppb	< 0.35	< 5.6	< 14	< 0.28	< 0.28	< 0.28	< 0.28	< 0.43	< 0.43	< 0.43	< 0.43
Chloromethane/ppb	< 0.29	< 16.2	< 40.5	< 0.81	< 0.81	< 0.81	< 0.81	< 1.9	< 1.9	< 1.9	< 1.9
2-Chlorotoluene/ppb	< 0.2	< 4.2	< 10.5	< 0.21	< 0.21	< 0.21	< 0.21	< 0.4	< 0.4	< 0.4	< 0.4
4-Chlorotoluene/ppb	< 0.41	< 4.2	< 10.5	< 0.21	< 0.21	< 0.21	< 0.21	< 0.63	< 0.63	< 0.63	< 0.63
1,2-Dibromo-3-chloropropane/ppb	< 0.25	< 17.6	< 44	< 0.88	< 0.88	< 0.88	< 0.88	< 1.4	< 1.4	< 1.4	< 1.4
Dibromochloromethane/ppb	< 0.3	< 4.4	< 11	< 0.22	< 0.22	< 0.22	< 0.22	< 0.45	< 0.45	< 0.45	< 0.45
1,4-Dichlorobenzene/ppb	< 0.28	< 6	< 15	< 0.3	< 0.3	< 0.3	< 0.3	< 0.49	< 0.49	< 0.49	< 0.49
1,3-Dichlorobenzene/ppb	< 0.27	< 5.6	< 14	< 0.28	< 0.28	< 0.28	< 0.28	< 0.52	< 0.52	< 0.52	< 0.52
1,2-Dichlorobenzene/ppb	< 0.41	< 7.2	< 18	< 0.36	< 0.36	< 0.36	< 0.36	< 0.46	< 0.46	< 0.46	< 0.46
Dichlorodifluoromethane/ppb	< 0.3	< 8.8	< 22	< 0.44	< 0.44	< 0.44	< 0.44	< 0.87	< 0.87	< 0.87	< 0.87
1,2-Dichloroethane/ppb	< 0.31	< 8.2	< 20.5	< 0.41	< 0.41	< 0.41	< 0.41	< 0.54	< 0.54	< 0.54	< 0.54
1,1-Dichloroethane/ppb	< 0.32	< 6	< 15	< 0.3	< 0.3	< 0.3	< 0.3	< 1.1	< 1.1	< 1.1	< 1.1
1,1-Dichloroethene/ppb	< 0.25	< 8	< 20	< 0.4	< 0.4	< 0.4	< 0.4	< 0.65	< 0.65	< 0.65	< 0.65
cis-1,2-Dichloroethene/ppb	< 0.32	< 7.6	< 19	< 0.38	< 0.38	< 0.38	< 0.38	< 0.45	< 0.45	< 0.45	< 0.45
trans-1,2-Dichloroethene/ppb	< 0.45	< 7	< 17.5	< 0.35	< 0.35	< 0.35	< 0.35	< 0.54	< 0.54	< 0.54	< 0.54
1,2-Dichloropropane/ppb	< 0.26	< 6.4	< 16	< 0.32	< 0.32	< 0.32	< 0.32	< 0.43	< 0.43	< 0.43	< 0.43
2,2-Dichloropropane/ppb	< 0.22	< 7.2	< 18	< 0.36	< 0.36	< 0.36	< 0.36	< 3.1	< 3.1	< 3.1	< 3.1
1,3-Dichloropropane/ppb	< 0.2	< 6.6	< 16.5	< 0.33	< 0.33	< 0.33	< 0.33	< 0.42	< 0.42	< 0.42	< 0.42
Di-isopropyl ether/ppb	< 0.34	< 4.6	< 11.5	< 0.23	< 0.23	< 0.23	< 0.23	< 0.44	< 0.44	< 0.44	< 0.44
EDB (1,2-Dibromoethane)/ppb	< 0.27	< 8.8	< 22	< 0.44	< 0.44	< 0.44	< 0.44	< 0.63	< 0.63	< 0.63	< 0.63
Ethylbenzene/ppb	< 0.48	350	215	117	< 0.55	< 0.55	< 0.55	< 0.71	< 0.71	< 0.71	< 0.71
Hexachlorobutadiene/ppb	< 0.3	< 30	< 75	< 1.5	< 1.5	< 1.8	< 1.5	< 2.2	< 2.2	< 2.2	< 2.2
Isopropylbenzene/ppb	< 0.3	15.2 "J"	< 15	10.2	< 0.3	< 0.3	< 0.3	< 0.82	< 0.82	< 0.82	< 0.82
p-Isopropyltoluene/ppb	< 0.35	< 6.2	< 15.5	2.33	< 0.31	< 0.31	< 0.31	< 1.1	1.3 "J"	< 1.1	< 1.1
Methylene chloride/ppb	< 0.26	< 10	< 25	< 0.5	< 0.5	< 0.5	< 0.5	< 1.3	< 1.3	< 1.3	< 1.3
Methyl tert-butyl ether (MTBE)/ppb	< 0.49	< 4.6	< 11.5	< 0.23	< 0.23	< 0.23	< 0.23	< 1.1	< 1.1	< 1.1	< 1.1
Naphthalene/ppb	< 0.23	274	< 85	27	2.89 "J"	2.55 "J"	< 1.7	< 1.6	< 1.6	< 1.6	< 1.6
n-Propylbenzene/ppb	< 0.45	40	27 "J"	22.6	< 0.25	< 0.25	< 0.25	< 0.77	< 0.77	< 0.77	< 0.77
1,1,2,2-Tetrachloroethane/ppb	< 0.29	< 9	< 22.5	< 0.45	< 0.45	< 0.45	< 0.45	< 0.52	< 0.52	< 0.52	< 0.52
1,1,1,2-Tetrachloroethane/ppb	< 0.27	< 6.6	< 16.5	< 0.33	< 0.33	< 0.33	< 0.33	< 0.48	< 0.48	< 0.48	< 0.48
Tetrachloroethene (PCE)/ppb	< 0.34	< 6.6	< 16.5	< 0.33	< 0.33	< 0.33	< 0.33	< 0.74	< 0.74	< 0.74	< 0.74
Toluene/ppb	< 0.24	2730	1060	26.8	< 0.69	< 0.69	< 0.69	< 0.44	< 0.44	< 0.44	< 0.44
1,2,4-Trichlorobenzene/ppb	< 0.33	< 19.6	< 49	< 0.98	< 0.98	< 0.98	< 0.98	< 1.7	< 1.7	< 1.7	< 1.7
1,2,3-Trichlorobenzene/ppb	< 0.34	< 36	< 90	< 1.8	< 1.8	< 1.8	< 1.8	< 2.7	< 2.7	< 2.7	< 2.7
1,1,1-Trichloroethane/ppb	< 0.3	< 6.6	< 16.5	< 0.33	< 0.33	< 0.33	< 0.33	< 0.84	< 0.84	< 0.84	< 0.84
1,1,2-Trichloroethane/ppb	< 0.26	< 6.8	< 17	< 0.34	< 0.34	< 0.34	< 0.34	< 0.48	< 0.48	< 0.48	< 0.48
Trichloroethene (TCE)/ppb	< 0.91	< 6.6	< 16.5	< 0.33	< 0.33	< 0.33	< 0.33	< 0.47	< 0.47	< 0.47	< 0.47
Trichlorofluoromethane/ppb	< 0.41	< 14.2	< 35.5	< 0.71	< 0.71	< 0.71	< 0.71	< 0.87	< 0.87	< 0.87	< 0.87
1,2,4-Trimethylbenzene/ppb	< 0.31	430	283 "J"	36	< 2.2	< 2.2	< 2.2	< 1.6	< 1.6	< 1.6	< 1.6
1,3,5-Trimethylbenzene/ppb	< 0.26	114	79 "J"	86	< 1.4	< 1.4	< 1.4	< 1.5	< 1.5	< 1.5	< 1.5
Vinyl Chloride/ppb	< 0.18	< 3.6	< 9	< 0.18	< 0.18	< 0.18	< 0.18	< 0.17	< 0.17	< 0.17	< 0.17
m&p-Xylene/ppb	< 0.69	1650	930	156	< 0.69	< 0.69	< 0.69	< 2.2	< 2.2	< 2.2	< 2.2
o-Xylene/ppb	< 0.25	830	300	8.1	< 0.63	< 0.63	< 0.63	< 0.9	< 0.9	< 0.9	< 0.9

ENFORCEMENT STANDARD = ES - Bold	PREVENTIVE ACTION LIMIT = PAL - Italics
<b>15</b>	<i>1.5</i>
<b>5</b>	<i>0.5</i>
<b>5</b>	<i>0.5</i>
<b>6</b>	<i>0.6</i>
<b>1000</b>	<i>200</i>
<b>5</b>	<i>0.5</i>
<b>850</b>	<i>85</i>
<b>7</b>	<i>0.7</i>
<b>70</b>	<i>7</i>
<b>0.05</b>	<i>0.005</i>
<b>700</b>	<i>140</i>
<b>60</b>	<i>12</i>
<b>100</b>	<i>10</i>
<b>5</b>	<i>0.5</i>
<b>800</b>	<i>160</i>
<b>5</b>	<i>0.5</i>
<b>Total TMB's 480</b>	<b>Total TMB's 96</b>
<b>0.2</b>	<b>0.02</b>
<b>Total Xylenes 2000</b>	<b>Total Xylenes 400</b>

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  
Kopatz Property BRRTS# 03-38-231379

Well Sampling Conducted on:

Well Sampling Conducted on: 06/18/14 06/18/14 06/18/14 09/18/14 09/18/14

VOC's

Well Name	W8302 PW	W8308 PW	W8318 PW	W8305 PW	W8317 PW	ENFORCE MENT STANDARD = ES - <b>Bold</b>	PREVENTIVE ACTION LIMIT = PAL - <i>Italics</i>
Lead, dissolved/ppb	1.0 "J"	0.9 "J"	< 0.7	NS	NS	<b>15</b>	<i>1.5</i>
Benzene/ppb	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	<b>5</b>	<i>0.5</i>
Bromobenzene/ppb	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	==	==
Bromodichloromethane/ppb	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	==	==
Bromoform/ppb	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	==	==
Bromomethane/ppb	< 0.98	< 0.98	< 0.98	< 0.98	< 0.98	==	==
Carbon Tetrachloride/ppb	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	==	==
Chlorobenzene/ppb	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	==	==
Chloroethane/ppb	< 0.62	< 0.62	< 0.62	< 0.62	< 0.62	==	==
Chloroform/ppb	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	==	==
Chloromethane/ppb	< 0.81	< 0.81	< 0.81	< 0.81	< 0.81	==	==
2-Chlorotoluene/ppb	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	==	==
4-Chlorotoluene/ppb	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	==	==
Dibromochloromethane/ppb	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	==	==
Dibromomethane/ppb	< 0.41	< 0.41	< 0.41	< 0.41	< 0.41	==	==
1,4-Dichlorobenzene/ppb	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	==	==
1,3-Dichlorobenzene/ppb	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	==	==
1,2-Dichlorobenzene/ppb	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	==	==
Dichlorodifluoromethane/ppb	< 0.27	0.59 "J"	< 0.27	< 0.27	< 0.27	==	==
1,2-Dichloroethane/ppb	< 0.41	< 0.41	< 0.41	< 0.41	< 0.41	<b>5</b>	<i>0.5</i>
1,1-Dichloroethane/ppb	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	==	==
1,1-Dichloroethene/ppb	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	==	==
cis-1,2-Dichloroethene/ppb	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	==	==
trans-1,2-Dichloroethene/ppb	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	==	==
1,2-Dichloropropane/ppb	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	==	==
2,2-Dichloropropane/ppb	< 0.45	< 0.45	< 0.45	< 0.45	< 0.45	==	==
1,3-Dichloropropane/ppb	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	==	==
trans-1,3-Dichloropropene/ppb	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	==	==
cis-1,3-Dichloropropene/ppb	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	==	==
1,1-Dichloropropene/ppb	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	==	==
Ethylbenzene/ppb	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	<b>700</b>	<i>140</i>
Hexachlorobutadiene/ppb	< 0.48	< 0.48	< 0.48	< 0.48	< 0.48	==	==
Isopropylbenzene/ppb	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	==	==
p-Isopropyltoluene/ppb	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	==	==
Methylene chloride/ppb	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	==	==
Methyl tert-butyl ether (MTBE)/ppb	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	<b>60</b>	<i>12</i>
Naphthalene/ppb	< 0.49	< 0.49	< 0.49	< 0.49	< 0.49	<b>100</b>	<i>10</i>
Styrene/ppb	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	==	==
1,1,2,2-Tetrachloroethane/ppb	< 0.45	< 0.45	< 0.45	< 0.45	< 0.45	==	==
1,1,1,2-Tetrachloroethane/ppb	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	==	==
Tetrachloroethene(PCE)/ppb	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	<b>5</b>	<i>0.5</i>
Toluene/ppb	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	<b>800</b>	<i>160</i>
1,2,4-Trichlorobenzene/ppb	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	==	==
1,1,1-Trichloroethane/ppb	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	==	==
1,1,2-Trichloroethane/ppb	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	==	==
Trichloroethene (TCE)/ppb	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	<b>5</b>	<i>0.5</i>
Trichlorofluoromethane/ppb	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	==	==
1,2,3-Trichloropropane/ppb	< 0.91	< 0.91	< 0.91	< 0.91	< 0.91	==	==
Trichlorotrifluoroethane/ppb	< 0.41	< 0.41	< 0.41	< 0.41	< 0.41	==	==
1,2,4-Trimethylbenzene/ppb	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	==	==
1,3,5-Trimethylbenzene/ppb	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	<b>Total TMB's 480</b>	<i>Total TMB's 96</i>
Vinyl Chloride/ppb	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	==	==
m&p-Xylene/ppb	< 0.69	< 0.69	< 0.69	< 0.69	< 0.69	==	==
o-Xylene/ppb	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	<b>Total Xylenes 2000</b>	<i>Total Xylenes 400</i>

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 Exceedances

**A.6 Water Level Elevations**  
**Kopatz Property BRRS# 03-38-231379**  
**Marinette, Wisconsin**

	<b>MW-1</b>	<b>MW-2</b>	<b>MW-3</b>	<b>MW-4</b>	<b>MW-5</b>	<b>MW-6</b>	<b>MW-7</b>	<b>MW-8</b>
<b>Ground Surface (feet msl)</b>	669.87	668.60	667.06	667.39	670.92	669.52	663.72	667.00
<b>PVC top (feet msl)</b>	669.54	668.20	666.72	667.08	670.45	669.16	663.39	666.62
<b>Well Depth (feet)</b>	12.00	12.00	14.00	12.00	14.00	14.00	13.00	13.00
<b>Top of screen (feet msl)</b>	667.87	666.60	663.06	665.39	666.92	665.52	660.72	664.00
<b>Bottom of screen (feet msl)</b>	657.87	656.60	653.06	655.39	656.92	655.52	650.72	654.00
<b>Depth to Water From Top of PVC (feet)</b>								
<b>06/18/14</b>	4.86	3.84	3.57	3.01	6.34	3.46	NI	NI
<b>09/18/14</b>	5.72	3.77	3.48	2.63	6.06	3.32	NI	NI
<b>05/26/15</b>	5.50	4.38	3.81	3.44	7.31	4.58	4.91	1.91
<b>08/31/15</b>	8.19	6.58	6.31	5.79	10.09	7.09	7.33	4.93
<b>Depth to Water From Ground Surface (feet)</b>								
<b>06/18/14</b>	5.19	4.24	3.91	3.32	6.81	3.82	NI	NI
<b>09/18/14</b>	6.05	4.17	3.82	2.94	6.53	3.68	NI	NI
<b>05/26/15</b>	5.83	4.78	4.15	3.75	7.78	4.94	5.24	2.29
<b>08/31/15</b>	8.52	6.98	6.65	6.10	10.56	7.45	7.66	5.31
<b>Groundwater Elevation (feet msl)</b>								
<b>06/18/14</b>	664.68	664.36	663.15	664.07	664.11	665.70	NI	NI
<b>09/18/14</b>	663.82	664.43	663.24	664.45	664.39	665.84	NI	NI
<b>05/26/15</b>	664.04	663.82	662.91	663.64	663.14	664.58	658.48	664.71
<b>08/31/15</b>	661.35	661.62	660.41	661.29	660.36	662.07	656.06	661.69

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

A.7 Other  
 Groundwater NA Indicator Results  
 Kopatz Property BRRTS# 03-38-231379

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	0.89	6.24	5	12.2	2998	<0.15	61.8	1.44	2840
09/18/14	1.04	6.32	-29	14.7	3098	NS	NS	NS	NS
05/26/15	2.05	6.97	26	8.7	2320	NS	NS	NS	NS
08/31/15	1.18	7.15	-5	15.8	1072	NS	NS	NS	NS
ENFORCEMENT STANDARD = <b>ES - Bold</b>						10	-	-	300
PREVENTIVE ACTION LIMIT = <i>PAL - Italics</i>						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	0.66	6.52	30	12.3	3524	<0.15	30.2	<0.06	229
09/18/14	0.78	6.46	-35	14.3	4772	NS	NS	NS	NS
05/26/15	2.17	7.36	-12	10.8	2703	NS	NS	NS	NS
08/31/15	1.81	7.6	216	15.6	1297	NS	NS	NS	NS
ENFORCEMENT STANDARD = <b>ES - Bold</b>						10	-	-	300
PREVENTIVE ACTION LIMIT = <i>PAL - Italics</i>						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	1.40	6.65	150	13.7	559	<0.15	5.16	<0.06	231
09/18/14	1.05	6.40	91	14.9	512	NS	NS	NS	NS
05/26/15	2.39	7.48	7	11.1	6	NS	NS	NS	NS
08/31/15	1.27	7.75	-19	15.5	1366	NS	NS	NS	NS
ENFORCEMENT STANDARD = <b>ES - Bold</b>						10	-	-	300
PREVENTIVE ACTION LIMIT = <i>PAL - Italics</i>						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).

A.7 Other  
 Groundwater NA Indicator Results  
 Kopatz Property BRRTS# 03-38-231379

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	0.97	7.16	44	12.4	1006	<0.15	8.14	<0.06	363
09/18/14	1.42	6.00	101	13.8	1069	NS	NS	NS	NS
05/26/15	2.51	7.41	202	10.5	852	NS	NS	NS	NS
08/31/15	2.96	7.51	197	15.4	1379	NS	NS	NS	NS
ENFORCEMENT 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-5

Date	Dissolved Oxygen (ppm)	pH	ORP	Temp (C)	Specific Conductance	Nitrate + Nitrite (ppm)	Total Sulfate (ppm)	Dissolved Iron (ppm)	Manganese (ppb)
06/18/14	5.35	7.2	182	10.3	603	2.87	15.8	<0.06	39.3
09/18/14	5.08	6.96	204	13.8	682	NS	NS	NS	NS
05/26/15	3.73	8.12	219	9.8	789	NS	NS	NS	NS
08/31/15	2.87	8.02	197	15.1	1036	NS	NS	NS	NS
ENFORCEMENT 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-6

Date	Dissolved Oxygen (ppm)	pH	ORP	Temp (C)	Specific Conductance	Nitrate + Nitrite (ppm)	Total Sulfate (ppm)	Dissolved Iron (ppm)	Manganese (ppb)
06/18/14	3.96	7.32	203	13.0	1023	4.30	16.4	<0.06	75.5
09/18/14	4.21	6.92	245	15.1	554	NS	NS	NS	NS
05/26/15	3.32	7.63	187	11.1	963	NS	NS	NS	NS
08/31/15	2.82	7.46	189	15.9	961	NS	NS	NS	NS
ENFORCEMENT 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).

A.7 Other

Groundwater NA Indicator Results

Kopatz Property BRRTS# 03-38-231379

Well MW-7

Date	Dissolved Oxygen (ppm)	pH	ORP	Temp ( C)	Specific Conductance	Nitrate + Nitrite (ppm)	Total Sulfate (ppm)	Dissolved Iron (ppm)	Manganese (ppb)
05/26/15	3.76	7.65	98	12.0	420	NS	NS	NS	NS
08/31/15	3.61	8.2	161	15.6	1267	NS	NS	NS	NS
<b>ENFORCE MENT STANDARD = ES – Bold</b>						<b>10</b>	-	-	<b>300</b>
<b>PREVENTIVE ACTION LIMIT = PAL - Italics</b>						<b>2</b>	-	-	<b>60</b>

(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-8

Date	Dissolved Oxygen (ppm)	pH	ORP	Temp ( C)	Specific Conductance	Nitrate + Nitrite (ppm)	Total Sulfate (ppm)	Dissolved Iron (ppm)	Manganese (ppb)
05/26/15	4.12	7.29	111	11.9	745	NS	NS	NS	NS
08/31/15	3.49	6.59	237	15.4	822	NS	NS	NS	NS
<b>ENFORCE MENT STANDARD = ES – Bold</b>						<b>10</b>	-	-	<b>300</b>
<b>PREVENTIVE ACTION LIMIT = PAL - Italics</b>						<b>2</b>	-	-	<b>60</b>

(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  
Kopatz Property**

**8.0 Photos**



**Photos**

Photo #1: Looking south.



Photo #2: Looking south.



Photo #3: Looking west.

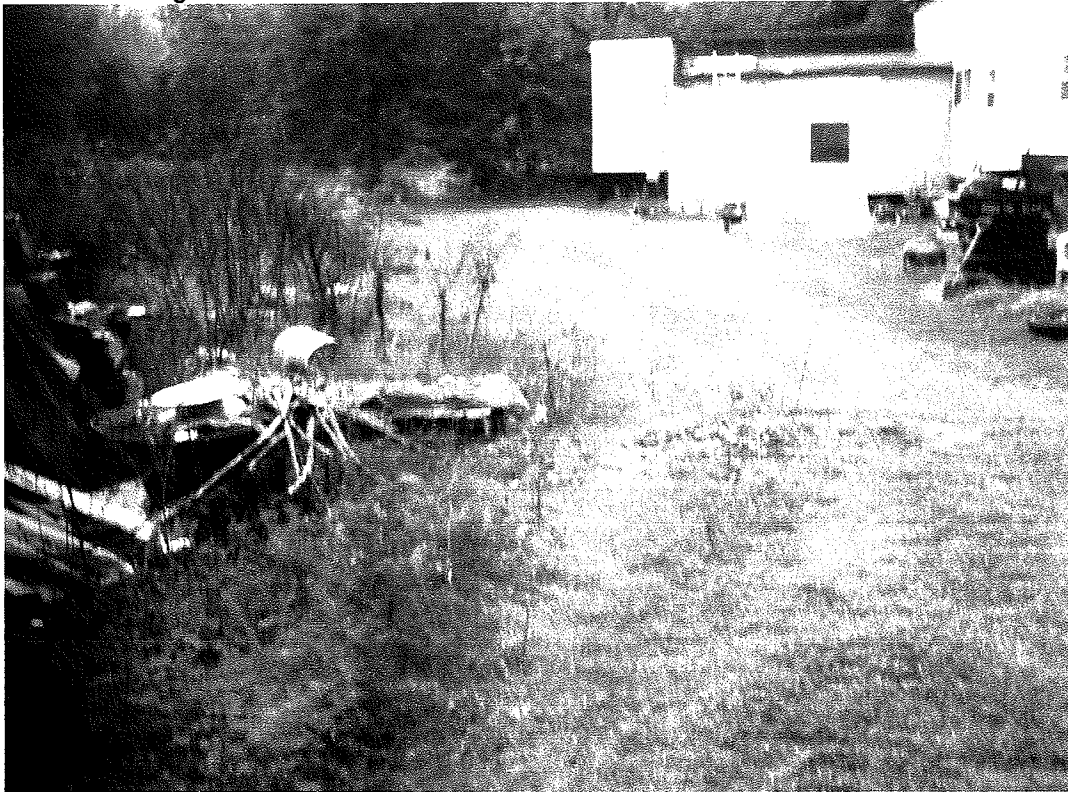


Photo #4: Looking south.



Site Investigation Report - METCO  
Kopatz Property

## APPENDIX A/ METHODS OF INVESTIGATION

## **Site Investigation Report - METCO Kopatz Property**

### **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 Kopatz Property**

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 5-15 gallons of groundwater was then removed with a

## **Site Investigation Report - METCO Kopatz Property**

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 five drums of soil cuttings and one drum of water to the Advanced Disposal Seven Mile Creek Landfill in Eau Claire, Wisconsin.

Site Investigation Report - METCO  
Kopatz Property

**APPENDIX B/ ANALYTICAL METHODS & LABORATORY DATA REPORTS**

# Synergy Environmental Lab,

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

DENNIS KOPATZ  
 DENNIS KOPATZ  
 N4510 SCHACT ROAD  
 MARINETTE, WI 54143

Report Date 26-Apr-13

Project Name KOPATZ/CRONCE PROPERTY  
 Project #

Invoice # E25023

Lab Code 5025023A  
 Sample ID G-1-1  
 Sample Matrix Soil  
 Sample Date 4/9/2013

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	91.8	%			1	5021		4/16/2013	MDK	1
Inorganic										
Metals										
Lead, Total	1.37	mg/kg	0.3	0.96	1	EPA 6010B		4/18/2013	CWT	1
Organic										
GRO/PVOC + Naphthalene										
Gasoline Range Organics	< 10	mg/kg	2.3	7.3	1	GRO95/8021		4/19/2013	CJR	1
Benzene	< 25	ug/kg	7.9	25	1	GRO95/8021		4/19/2013	CJR	1
Ethylbenzene	< 25	ug/kg	7.7	25	1	GRO95/8021		4/19/2013	CJR	1
Methyl tert-butyl ether (MTBE)	< 25	ug/kg	8.1	26	1	GRO95/8021		4/19/2013	CJR	1
Naphthalene	< 25	ug/kg	22	70	1	GRO95/8021		4/19/2013	CJR	1
Toluene	< 25	ug/kg	8.4	27	1	GRO95/8021		4/19/2013	CJR	1
1,2,4-Trimethylbenzene	< 25	ug/kg	10	33	1	GRO95/8021		4/19/2013	CJR	1
1,3,5-Trimethylbenzene	< 25	ug/kg	9.3	30	1	GRO95/8021		4/19/2013	CJR	1
m&p-Xylene	< 50	ug/kg	16	50	1	GRO95/8021		4/19/2013	CJR	1
o-Xylene	< 25	ug/kg	10	32	1	GRO95/8021		4/19/2013	CJR	1

Lab Code 5025023B  
 Sample ID G-1-2  
 Sample Matrix Soil  
 Sample Date 4/9/2013

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	90.9	%			1	5021		4/16/2013	MDK	1
Organic										
GRO/PVOC + Naphthalene										
Gasoline Range Organics	< 10	mg/kg	2.3	7.3	1	GRO95/8021		4/19/2013	CJR	1



Project #

Lab Code 5025023B  
 Sample ID G-1-2  
 Sample Matrix Soil  
 Sample Date 4/9/2013

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Benzene	< 25	ug/kg	7.9	25	1	GRO95/8021		4/19/2013	CJR	1
Ethylbenzene	< 25	ug/kg	7.7	25	1	GRO95/8021		4/19/2013	CJR	1
Methyl tert-butyl ether (MTBE)	< 25	ug/kg	8.1	26	1	GRO95/8021		4/19/2013	CJR	1
Naphthalene	< 25	ug/kg	22	70	1	GRO95/8021		4/19/2013	CJR	1
Toluene	< 25	ug/kg	8.4	27	1	GRO95/8021		4/19/2013	CJR	1
1,2,4-Trimethylbenzene	< 25	ug/kg	10	33	1	GRO95/8021		4/19/2013	CJR	1
1,3,5-Trimethylbenzene	< 25	ug/kg	9.3	30	1	GRO95/8021		4/19/2013	CJR	1
m&p-Xylene	< 50	ug/kg	16	50	1	GRO95/8021		4/19/2013	CJR	1
o-Xylene	< 25	ug/kg	10	32	1	GRO95/8021		4/19/2013	CJR	1

Lab Code 5025023C  
 Sample ID G-1-3  
 Sample Matrix Soil  
 Sample Date 4/9/2013

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	90.4	%			1	5021		4/16/2013	MDK	1
Organic										
GRO/PVOC + Naphthalene										
Gasoline Range Organics	< 10	mg/kg	2.3	7.3	1	GRO95/8021		4/19/2013	CJR	1
Benzene	< 25	ug/kg	7.9	25	1	GRO95/8021		4/19/2013	CJR	1
Ethylbenzene	< 25	ug/kg	7.7	25	1	GRO95/8021		4/19/2013	CJR	1
Methyl tert-butyl ether (MTBE)	< 25	ug/kg	8.1	26	1	GRO95/8021		4/19/2013	CJR	1
Naphthalene	< 25	ug/kg	22	70	1	GRO95/8021		4/19/2013	CJR	1
Toluene	< 25	ug/kg	8.4	27	1	GRO95/8021		4/19/2013	CJR	1
1,2,4-Trimethylbenzene	< 25	ug/kg	10	33	1	GRO95/8021		4/19/2013	CJR	1
1,3,5-Trimethylbenzene	< 25	ug/kg	9.3	30	1	GRO95/8021		4/19/2013	CJR	1
m&p-Xylene	< 50	ug/kg	16	50	1	GRO95/8021		4/19/2013	CJR	1
o-Xylene	< 25	ug/kg	10	32	1	GRO95/8021		4/19/2013	CJR	1

Lab Code 5025023D  
 Sample ID G-2-1  
 Sample Matrix Soil  
 Sample Date 4/9/2013

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	89.3	%			1	5021		4/16/2013	MDK	1
Inorganic										
Metals										
Lead, Total	224	mg/kg	0.3	0.96	1	EPA 6010B		4/18/2013	CWT	1
Organic										
GRO/PVOC + Naphthalene										
Gasoline Range Organics	< 10	mg/kg	2.3	7.3	1	GRO95/8021		4/20/2013	CJR	1
Benzene	< 25	ug/kg	7.9	25	1	GRO95/8021		4/20/2013	CJR	1
Ethylbenzene	< 25	ug/kg	7.7	25	1	GRO95/8021		4/20/2013	CJR	1
Methyl tert-butyl ether (MTBE)	< 25	ug/kg	8.1	26	1	GRO95/8021		4/20/2013	CJR	1
Naphthalene	< 25	ug/kg	22	70	1	GRO95/8021		4/20/2013	CJR	1
Toluene	< 25	ug/kg	8.4	27	1	GRO95/8021		4/20/2013	CJR	1
1,2,4-Trimethylbenzene	< 25	ug/kg	10	33	1	GRO95/8021		4/20/2013	CJR	1
1,3,5-Trimethylbenzene	< 25	ug/kg	9.3	30	1	GRO95/8021		4/20/2013	CJR	1
m&p-Xylene	< 50	ug/kg	16	50	1	GRO95/8021		4/20/2013	CJR	1
o-Xylene	< 25	ug/kg	10	32	1	GRO95/8021		4/20/2013	CJR	1

Project #

Lab Code 5025023E  
 Sample ID G-2-2  
 Sample Matrix Soil  
 Sample Date 4/9/2013

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	86.9	%			1	5021		4/16/2013	MDK	1
Organic										
GRO/PVOC + Naphthalene										
Gasoline Range Organics	2440	mg/kg	23	73	10	GRO95/8021		4/20/2013	CJR	1
Benzene	2080	ug/kg	79	250	10	GRO95/8021		4/20/2013	CJR	1
Ethylbenzene	24300	ug/kg	77	250	10	GRO95/8021		4/20/2013	CJR	1
Methyl tert-butyl ether (MTBE)	< 250	ug/kg	81	260	10	GRO95/8021		4/20/2013	CJR	1
Naphthalene	8900	ug/kg	220	700	10	GRO95/8021		4/20/2013	CJR	1
Toluene	8500	ug/kg	84	270	10	GRO95/8021		4/20/2013	CJR	1
1,2,4-Trimethylbenzene	98000	ug/kg	100	330	10	GRO95/8021		4/20/2013	CJR	1
1,3,5-Trimethylbenzene	40000	ug/kg	93	300	10	GRO95/8021		4/20/2013	CJR	1
m&p-Xylene	118000	ug/kg	160	500	10	GRO95/8021		4/20/2013	CJR	1
o-Xylene	17700	ug/kg	100	320	10	GRO95/8021		4/20/2013	CJR	1

Lab Code 5025023F  
 Sample ID G-2-3  
 Sample Matrix Soil  
 Sample Date 4/9/2013

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	91.5	%			1	5021		4/16/2013	MDK	1
Organic										
GRO/PVOC + Naphthalene										
Gasoline Range Organics	< 10	mg/kg	2.3	7.3	1	GRO95/8021		4/20/2013	CJR	1
Benzene	< 25	ug/kg	7.9	25	1	GRO95/8021		4/20/2013	CJR	1
Ethylbenzene	26.4	ug/kg	7.7	25	1	GRO95/8021		4/20/2013	CJR	1
Methyl tert-butyl ether (MTBE)	< 25	ug/kg	8.1	26	1	GRO95/8021		4/20/2013	CJR	1
Naphthalene	< 25	ug/kg	22	70	1	GRO95/8021		4/20/2013	CJR	1
Toluene	29.2	ug/kg	8.4	27	1	GRO95/8021		4/20/2013	CJR	1
1,2,4-Trimethylbenzene	63	ug/kg	10	33	1	GRO95/8021		4/20/2013	CJR	1
1,3,5-Trimethylbenzene	30.1	ug/kg	9.3	30	1	GRO95/8021		4/20/2013	CJR	1
m&p-Xylene	109	ug/kg	16	50	1	GRO95/8021		4/20/2013	CJR	1
o-Xylene	29.1 "J"	ug/kg	10	32	1	GRO95/8021		4/20/2013	CJR	1

Lab Code 5025023G  
 Sample ID G-3-1  
 Sample Matrix Soil  
 Sample Date 4/9/2013

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	81.2	%			1	5021		4/16/2013	MDK	1
Inorganic										
Metals										
Lead, Total	38.4	mg/kg	0.3	0.96	1	EPA 6010B		4/18/2013	CWT	1
Organic										
GRO/PVOC + Naphthalene										
Gasoline Range Organics	< 10	mg/kg	2.3	7.3	1	GRO95/8021		4/24/2013	CJR	1
Benzene	< 25	ug/kg	7.9	25	1	GRO95/8021		4/24/2013	CJR	1

Project #

Lab Code 5025023G  
 Sample ID G-3-1  
 Sample Matrix Soil  
 Sample Date 4/9/2013

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Ethylbenzene	< 25	ug/kg	7.7	25	1	GRO95/8021		4/24/2013	CJR	1
Methyl tert-butyl ether (MTBE)	< 25	ug/kg	8.1	26	1	GRO95/8021		4/24/2013	CJR	1
Naphthalene	< 25	ug/kg	22	70	1	GRO95/8021		4/24/2013	CJR	1
Toluene	< 25	ug/kg	8.4	27	1	GRO95/8021		4/24/2013	CJR	1
1,2,4-Trimethylbenzene	< 25	ug/kg	10	33	1	GRO95/8021		4/24/2013	CJR	1
1,3,5-Trimethylbenzene	< 25	ug/kg	9.3	30	1	GRO95/8021		4/24/2013	CJR	1
m&p-Xylene	< 50	ug/kg	16	50	1	GRO95/8021		4/24/2013	CJR	1
o-Xylene	< 25	ug/kg	10	32	1	GRO95/8021		4/24/2013	CJR	1

Lab Code 5025023H  
 Sample ID G-3-2  
 Sample Matrix Soil  
 Sample Date 4/9/2013

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	83.7	%			1	5021		4/16/2013	MDK	1
Organic										
GRO/PVOC + Naphthalene										
Gasoline Range Organics	3200	mg/kg	115	365	50	GRO95/8021		4/25/2013	CJR	1
Benzene	1320	ug/kg	79	250	10	GRO95/8021		4/23/2013	CJR	1
Ethylbenzene	15400	ug/kg	77	250	10	GRO95/8021		4/23/2013	CJR	1
Methyl tert-butyl ether (MTBE)	< 250	ug/kg	81	260	10	GRO95/8021		4/23/2013	CJR	1
Naphthalene	15700	ug/kg	220	700	10	GRO95/8021		4/23/2013	CJR	1
Toluene	18600	ug/kg	84	270	10	GRO95/8021		4/23/2013	CJR	1
1,2,4-Trimethylbenzene	199000	ug/kg	100	330	10	GRO95/8021		4/23/2013	CJR	1
1,3,5-Trimethylbenzene	87000	ug/kg	93	300	10	GRO95/8021		4/23/2013	CJR	1
m&p-Xylene	198000	ug/kg	160	500	10	GRO95/8021		4/23/2013	CJR	1
o-Xylene	89000	ug/kg	100	320	10	GRO95/8021		4/23/2013	CJR	1

Lab Code 5025023I  
 Sample ID G-4-1  
 Sample Matrix Soil  
 Sample Date 4/9/2013

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	93.8	%			1	5021		4/16/2013	MDK	1
Inorganic										
Metals										
Lead, Total	2.54	mg/kg	0.3	0.96	1	EPA 6010B		4/18/2013	CWT	1
Organic										
GRO/PVOC + Naphthalene										
Gasoline Range Organics	< 10	mg/kg	2.3	7.3	1	GRO95/8021		4/23/2013	CJR	1
Benzene	< 25	ug/kg	7.9	25	1	GRO95/8021		4/23/2013	CJR	1
Ethylbenzene	< 25	ug/kg	7.7	25	1	GRO95/8021		4/23/2013	CJR	1
Methyl tert-butyl ether (MTBE)	< 25	ug/kg	8.1	26	1	GRO95/8021		4/23/2013	CJR	1
Naphthalene	< 25	ug/kg	22	70	1	GRO95/8021		4/23/2013	CJR	1
Toluene	< 25	ug/kg	8.4	27	1	GRO95/8021		4/23/2013	CJR	1
1,2,4-Trimethylbenzene	< 25	ug/kg	10	33	1	GRO95/8021		4/23/2013	CJR	1
1,3,5-Trimethylbenzene	< 25	ug/kg	9.3	30	1	GRO95/8021		4/23/2013	CJR	1
m&p-Xylene	< 50	ug/kg	16	50	1	GRO95/8021		4/23/2013	CJR	1
o-Xylene	< 25	ug/kg	10	32	1	GRO95/8021		4/23/2013	CJR	1

## Project #

Lab Code 5025023J  
 Sample ID G-4-2  
 Sample Matrix Soil  
 Sample Date 4/9/2013

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	92.7	%			1	5021		4/16/2013	MDK	1
Inorganic										
Metals										
Lead, Total	6.29	mg/kg	0.3	0.96	1	EPA 6010B		4/18/2013	CWT	1
Organic										
General										
Gasoline Range Organics	2490	mg/kg	23	73	10	GRO95/8021		4/23/2013	CJR	1
VOC's										
Benzene	1170 "J"	ug/kg	460	1450	50	8260B		4/19/2013	CJR	1
Bromobenzene	< 650	ug/kg	650	2000	50	8260B		4/19/2013	CJR	1
Bromodichloromethane	< 1350	ug/kg	1350	4250	50	8260B		4/19/2013	CJR	1
Bromoform	< 1500	ug/kg	1500	4750	50	8260B		4/19/2013	CJR	1
tert-Butylbenzene	< 1000	ug/kg	1000	3200	50	8260B		4/19/2013	CJR	1
sec-Butylbenzene	2500 "J"	ug/kg	2050	6600	50	8260B		4/19/2013	CJR	1
n-Butylbenzene	11600	ug/kg	1300	4100	50	8260B		4/19/2013	CJR	1
Carbon Tetrachloride	< 1250	ug/kg	1250	3950	50	8260B		4/19/2013	CJR	1
Chlorobenzene	< 800	ug/kg	800	2600	50	8260B		4/19/2013	CJR	1
Chloroethane	< 2100	ug/kg	2100	6650	50	8260B		4/19/2013	CJR	1
Chloroform	< 2450	ug/kg	2450	7850	50	8260B		4/19/2013	CJR	1
Chloromethane	< 9050	ug/kg	9050	28850	50	8260B		4/19/2013	CJR	1
2-Chlorotoluene	< 800	ug/kg	800	2600	50	8260B		4/19/2013	CJR	1
4-Chlorotoluene	< 700	ug/kg	700	2150	50	8260B		4/19/2013	CJR	1
1,2-Dibromo-3-chloropropane	< 2400	ug/kg	2400	7700	50	8260B		4/19/2013	CJR	1
Dibromochloromethane	< 700	ug/kg	700	2250	50	8260B		4/19/2013	CJR	1
1,4-Dichlorobenzene	< 1650	ug/kg	1650	5150	50	8260B		4/19/2013	CJR	1
1,3-Dichlorobenzene	< 1500	ug/kg	1500	4750	50	8260B		4/19/2013	CJR	1
1,2-Dichlorobenzene	< 1900	ug/kg	1900	6100	50	8260B		4/19/2013	CJR	1
Dichlorodifluoromethane	< 2850	ug/kg	2850	9100	50	8260B		4/19/2013	CJR	1
1,2-Dichloroethane	< 1800	ug/kg	1800	5700	50	8260B		4/19/2013	CJR	1
1,1-Dichloroethane	< 950	ug/kg	950	3000	50	8260B		4/19/2013	CJR	1
1,1-Dichloroethene	< 1050	ug/kg	1050	3300	50	8260B		4/19/2013	CJR	1
cis-1,2-Dichloroethene	< 1200	ug/kg	1200	3850	50	8260B		4/19/2013	CJR	1
trans-1,2-Dichloroethene	< 1450	ug/kg	1450	4650	50	8260B		4/19/2013	CJR	1
1,2-Dichloropropane	< 475	ug/kg	475	1500	50	8260B		4/19/2013	CJR	1
2,2-Dichloropropane	< 2300	ug/kg	2300	7400	50	8260B		4/19/2013	CJR	1
1,3-Dichloropropane	< 1050	ug/kg	1050	3400	50	8260B		4/19/2013	CJR	1
Di-isopropyl ether	< 550	ug/kg	550	1700	50	8260B		4/19/2013	CJR	1
EDB (1,2-Dibromoethane)	< 1000	ug/kg	1000	3200	50	8260B		4/19/2013	CJR	1
Ethylbenzene	41000	ug/kg	500	1650	50	8260B		4/19/2013	CJR	1
Hexachlorobutadiene	< 4750	ug/kg	4750	15200	50	8260B		4/19/2013	CJR	1
Isopropylbenzene	4100	ug/kg	1250	4000	50	8260B		4/19/2013	CJR	1
p-Isopropyltoluene	1890 "J"	ug/kg	1550	4900	50	8260B		4/19/2013	CJR	1
Methylene chloride	< 2850	ug/kg	2850	9100	50	8260B		4/19/2013	CJR	1
Methyl tert-butyl ether (MTBE)	< 1500	ug/kg	1500	4800	50	8260B		4/19/2013	CJR	1
Naphthalene	24800	ug/kg	5700	18150	50	8260B		4/19/2013	CJR	1
n-Propylbenzene	13900	ug/kg	1200	3750	50	8260B		4/19/2013	CJR	1
1,1,2,2-Tetrachloroethane	< 600	ug/kg	600	1900	50	8260B		4/19/2013	CJR	1
1,1,1,2-Tetrachloroethane	< 1150	ug/kg	1150	3700	50	8260B		4/19/2013	CJR	1
Tetrachloroethene	< 2450	ug/kg	2450	7850	50	8260B		4/19/2013	CJR	1
Toluene	57000	ug/kg	1000	3250	50	8260B		4/19/2013	CJR	1
1,2,4-Trichlorobenzene	< 3950	ug/kg	3950	12550	50	8260B		4/19/2013	CJR	1
1,2,3-Trichlorobenzene	< 6450	ug/kg	6450	20550	50	8260B		4/19/2013	CJR	1
1,1,1-Trichloroethane	< 1900	ug/kg	1900	6000	50	8260B		4/19/2013	CJR	1
1,1,2-Trichloroethane	< 1150	ug/kg	1150	3700	50	8260B		4/19/2013	CJR	1
Trichloroethene (TCE)	< 1400	ug/kg	1400	4400	50	8260B		4/19/2013	CJR	1

Project #

Lab Code 5025023J  
 Sample ID G-4-2  
 Sample Matrix Soil  
 Sample Date 4/9/2013

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Trichlorofluoromethane	< 4300	ug/kg	4300	13650	50	8260B		4/19/2013	CJR	1
1,2,4-Trimethylbenzene	111000	ug/kg	1300	4050	50	8260B		4/19/2013	CJR	1
1,3,5-Trimethylbenzene	32000	ug/kg	1300	4200	50	8260B		4/19/2013	CJR	1
Vinyl Chloride	< 1050	ug/kg	1050	3300	50	8260B		4/19/2013	CJR	1
m&p-Xylene	187000	ug/kg	3400	10800	50	8260B		4/19/2013	CJR	1
o-Xylene	73000	ug/kg	1550	4900	50	8260B		4/19/2013	CJR	1
SUR - 1,2-Dichloroethane-d4	102	Rec %				8260B		4/19/2013	CJR	1
SUR - 4-Bromofluorobenzene	106	Rec %				8260B		4/19/2013	CJR	1
SUR - Dibromofluoromethane	95	Rec %				8260B		4/19/2013	CJR	1
SUR - Toluene-d8	96	Rec %				8260B		4/19/2013	CJR	1

Lab Code 5025023K  
 Sample ID G-4-4  
 Sample Matrix Soil  
 Sample Date 4/9/2013

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	91.7	%			1	5021		4/16/2013	MDK	1
Organic										
GRO/PVOC + Naphthalene										
Gasoline Range Organics	< 10	mg/kg	2.3	7.3	1	GRO95/8021		4/23/2013	CJR	1
Benzene	480	ug/kg	7.9	25	1	GRO95/8021		4/23/2013	CJR	1
Ethylbenzene	55	ug/kg	7.7	25	1	GRO95/8021		4/23/2013	CJR	1
Methyl tert-butyl ether (MTBE)	< 25	ug/kg	8.1	26	1	GRO95/8021		4/23/2013	CJR	1
Naphthalene	142	ug/kg	22	70	1	GRO95/8021		4/23/2013	CJR	1
Toluene	520	ug/kg	8.4	27	1	GRO95/8021		4/23/2013	CJR	1
1,2,4-Trimethylbenzene	147	ug/kg	10	33	1	GRO95/8021		4/23/2013	CJR	1
1,3,5-Trimethylbenzene	55	ug/kg	9.3	30	1	GRO95/8021		4/23/2013	CJR	1
m&p-Xylene	198	ug/kg	16	50	1	GRO95/8021		4/23/2013	CJR	1
o-Xylene	114	ug/kg	10	32	1	GRO95/8021		4/23/2013	CJR	1

Lab Code 5025023L  
 Sample ID G-5-1  
 Sample Matrix Soil  
 Sample Date 4/9/2013

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	88.7	%			1	5021		4/16/2013	MDK	1
Inorganic										
Metals										
Lead, Total	180	mg/kg	0.3	0.96	1	EPA 6010B		4/18/2013	CWT	1
Organic										
GRO/PVOC + Naphthalene										
Gasoline Range Organics	< 10	mg/kg	2.3	7.3	1	GRO95/8021		4/23/2013	CJR	1
Benzene	< 25	ug/kg	7.9	25	1	GRO95/8021		4/23/2013	CJR	1
Ethylbenzene	< 25	ug/kg	7.7	25	1	GRO95/8021		4/23/2013	CJR	1
Methyl tert-butyl ether (MTBE)	< 25	ug/kg	8.1	26	1	GRO95/8021		4/23/2013	CJR	1
Naphthalene	37 "J"	ug/kg	22	70	1	GRO95/8021		4/23/2013	CJR	1
Toluene	93	ug/kg	8.4	27	1	GRO95/8021		4/23/2013	CJR	1
1,2,4-Trimethylbenzene	101	ug/kg	10	33	1	GRO95/8021		4/23/2013	CJR	1
1,3,5-Trimethylbenzene	52	ug/kg	9.3	30	1	GRO95/8021		4/23/2013	CJR	1
m&p-Xylene	144	ug/kg	16	50	1	GRO95/8021		4/23/2013	CJR	1

Project #

Lab Code 5025023L  
 Sample ID G-5-1  
 Sample Matrix Soil  
 Sample Date 4/9/2013

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
o-Xylene	96	ug/kg	10	32	1	GRO95/8021		4/23/2013	CJR	1

Lab Code 5025023M  
 Sample ID G-5-2  
 Sample Matrix Soil  
 Sample Date 4/9/2013

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
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General

General

Solids Percent	89.4	%			1	5021		4/16/2013	MDK	1
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Organic

GRO/PVOC + Naphthalene

Gasoline Range Organics	129	mg/kg	23	73	10	GRO95/8021		4/23/2013	CJR	1
Benzene	< 250	ug/kg	79	250	10	GRO95/8021		4/23/2013	CJR	1
Ethylbenzene	259	ug/kg	77	250	10	GRO95/8021		4/23/2013	CJR	1
Methyl tert-butyl ether (MTBE)	< 250	ug/kg	81	260	10	GRO95/8021		4/23/2013	CJR	1
Naphthalene	1010	ug/kg	220	700	10	GRO95/8021		4/23/2013	CJR	1
Toluene	< 250	ug/kg	84	270	10	GRO95/8021		4/23/2013	CJR	1
1,2,4-Trimethylbenzene	2810	ug/kg	100	330	10	GRO95/8021		4/23/2013	CJR	1
1,3,5-Trimethylbenzene	2490	ug/kg	93	300	10	GRO95/8021		4/23/2013	CJR	1
m&p-Xylene	2740	ug/kg	160	500	10	GRO95/8021		4/23/2013	CJR	1
o-Xylene	600	ug/kg	100	320	10	GRO95/8021		4/23/2013	CJR	1

Lab Code 5025023N  
 Sample ID G-5-3  
 Sample Matrix Soil  
 Sample Date 4/9/2013

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
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General

General

Solids Percent	89.7	%			1	5021		4/16/2013	MDK	1
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Organic

GRO/PVOC + Naphthalene

Gasoline Range Organics	2150	mg/kg	23	73	10	GRO95/8021		4/23/2013	CJR	1
Benzene	1370	ug/kg	79	250	10	GRO95/8021		4/23/2013	CJR	1
Ethylbenzene	29300	ug/kg	77	250	10	GRO95/8021		4/23/2013	CJR	1
Methyl tert-butyl ether (MTBE)	< 250	ug/kg	81	260	10	GRO95/8021		4/23/2013	CJR	1
Naphthalene	12400	ug/kg	220	700	10	GRO95/8021		4/23/2013	CJR	1
Toluene	20000	ug/kg	84	270	10	GRO95/8021		4/23/2013	CJR	1
1,2,4-Trimethylbenzene	68000	ug/kg	100	330	10	GRO95/8021		4/23/2013	CJR	1
1,3,5-Trimethylbenzene	27800	ug/kg	93	300	10	GRO95/8021		4/23/2013	CJR	1
m&p-Xylene	140000	ug/kg	160	500	10	GRO95/8021		4/23/2013	CJR	1
o-Xylene	19100	ug/kg	100	320	10	GRO95/8021		4/23/2013	CJR	1

Lab Code 5025023O  
 Sample ID G-6-1  
 Sample Matrix Soil  
 Sample Date 4/9/2013

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
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General

General

Solids Percent	89.8	%			1	5021		4/16/2013	MDK	1
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Project #

Lab Code 5025023O  
 Sample ID G-6-1  
 Sample Matrix Soil  
 Sample Date 4/9/2013

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Inorganic										
Metals										
Lead, Total	104	mg/kg	0.3	0.96	1	EPA 6010B	4/18/2013	CWT		1
Organic										
GRO/PVOC + Naphthalene										
Gasoline Range Organics	< 10	mg/kg	2.3	7.3	1	GRO95/8021	4/23/2013	CJR		1
Benzene	64	ug/kg	7.9	25	1	GRO95/8021	4/23/2013	CJR		1
Ethylbenzene	38	ug/kg	7.7	25	1	GRO95/8021	4/23/2013	CJR		1
Methyl tert-butyl ether (MTBE)	< 25	ug/kg	8.1	26	1	GRO95/8021	4/23/2013	CJR		1
Naphthalene	111	ug/kg	22	70	1	GRO95/8021	4/23/2013	CJR		1
Toluene	184	ug/kg	8.4	27	1	GRO95/8021	4/23/2013	CJR		1
1,2,4-Trimethylbenzene	57	ug/kg	10	33	1	GRO95/8021	4/23/2013	CJR		1
1,3,5-Trimethylbenzene	37	ug/kg	9.3	30	1	GRO95/8021	4/23/2013	CJR		1
m&p-Xylene	138	ug/kg	16	50	1	GRO95/8021	4/23/2013	CJR		1
o-Xylene	107	ug/kg	10	32	1	GRO95/8021	4/23/2013	CJR		1

Lab Code 5025023P  
 Sample ID G-6-2  
 Sample Matrix Soil  
 Sample Date 4/9/2013

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	88.6	%			1	5021	4/16/2013	MDK		1
Organic										
GRO/PVOC + Naphthalene										
Gasoline Range Organics	350	mg/kg	23	73	10	GRO95/8021	4/23/2013	CJR		1
Benzene	291	ug/kg	79	250	10	GRO95/8021	4/23/2013	CJR		1
Ethylbenzene	1780	ug/kg	77	250	10	GRO95/8021	4/23/2013	CJR		1
Methyl tert-butyl ether (MTBE)	< 250	ug/kg	81	260	10	GRO95/8021	4/23/2013	CJR		1
Naphthalene	2960	ug/kg	220	700	10	GRO95/8021	4/23/2013	CJR		1
Toluene	271	ug/kg	84	270	10	GRO95/8021	4/23/2013	CJR		1
1,2,4-Trimethylbenzene	16700	ug/kg	100	330	10	GRO95/8021	4/23/2013	CJR		1
1,3,5-Trimethylbenzene	8600	ug/kg	93	300	10	GRO95/8021	4/23/2013	CJR		1
m&p-Xylene	13100	ug/kg	160	500	10	GRO95/8021	4/23/2013	CJR		1
o-Xylene	1880	ug/kg	100	320	10	GRO95/8021	4/23/2013	CJR		1

Lab Code 5025023Q  
 Sample ID G-6-3  
 Sample Matrix Soil  
 Sample Date 4/9/2013

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	88.1	%			1	5021	4/16/2013	MDK		1
Organic										
GRO/PVOC + Naphthalene										
Gasoline Range Organics	1480	mg/kg	23	73	10	GRO95/8021	4/23/2013	CJR		1
Benzene	2540	ug/kg	79	250	10	GRO95/8021	4/23/2013	CJR		1
Ethylbenzene	28100	ug/kg	77	250	10	GRO95/8021	4/23/2013	CJR		1
Methyl tert-butyl ether (MTBE)	< 250	ug/kg	81	260	10	GRO95/8021	4/23/2013	CJR		1
Naphthalene	18400	ug/kg	220	700	10	GRO95/8021	4/23/2013	CJR		1
Toluene	68000	ug/kg	84	270	10	GRO95/8021	4/23/2013	CJR		1

Project Name KOPATZ/CRONCE PROPERTY  
 Project #

Invoice # E25023

Lab Code 5025023Q  
 Sample ID G-6-3  
 Sample Matrix Soil  
 Sample Date 4/9/2013

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
1,2,4-Trimethylbenzene	54000	ug/kg	100	330	10	GRO95/8021		4/23/2013	CJR	1
1,3,5-Trimethylbenzene	22100	ug/kg	93	300	10	GRO95/8021		4/23/2013	CJR	1
m&p-Xylene	110000	ug/kg	160	500	10	GRO95/8021		4/23/2013	CJR	1
o-Xylene	37000	ug/kg	100	320	10	GRO95/8021		4/23/2013	CJR	1

Lab Code 5025023R  
 Sample ID G-12-1  
 Sample Matrix Soil  
 Sample Date 4/9/2013

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	88.2	%			1	5021		4/16/2013	MDK	1
Inorganic										
Metals										
Lead, Total	5.35	mg/kg	0.3	0.96	1	EPA 6010B		4/18/2013	CWT	1
Organic										
GRO/PVOC + Naphthalene										
Gasoline Range Organics	< 10	mg/kg	2.3	7.3	1	GRO95/8021		4/23/2013	CJR	1
Benzene	< 25	ug/kg	7.9	25	1	GRO95/8021		4/23/2013	CJR	1
Ethylbenzene	< 25	ug/kg	7.7	25	1	GRO95/8021		4/23/2013	CJR	1
Methyl tert-butyl ether (MTBE)	< 25	ug/kg	8.1	26	1	GRO95/8021		4/23/2013	CJR	1
Naphthalene	< 25	ug/kg	22	70	1	GRO95/8021		4/23/2013	CJR	1
Toluene	< 25	ug/kg	8.4	27	1	GRO95/8021		4/23/2013	CJR	1
1,2,4-Trimethylbenzene	< 25	ug/kg	10	33	1	GRO95/8021		4/23/2013	CJR	1
1,3,5-Trimethylbenzene	< 25	ug/kg	9.3	30	1	GRO95/8021		4/23/2013	CJR	1
m&p-Xylene	< 50	ug/kg	16	50	1	GRO95/8021		4/23/2013	CJR	1
o-Xylene	< 25	ug/kg	10	32	1	GRO95/8021		4/23/2013	CJR	1

Lab Code 5025023S  
 Sample ID G-12-2  
 Sample Matrix Soil  
 Sample Date 4/9/2013

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	89.5	%			1	5021		4/16/2013	MDK	1
Organic										
GRO/PVOC + Naphthalene										
Gasoline Range Organics	< 10	mg/kg	2.3	7.3	1	GRO95/8021		4/23/2013	CJR	1
Benzene	< 25	ug/kg	7.9	25	1	GRO95/8021		4/23/2013	CJR	1
Ethylbenzene	< 25	ug/kg	7.7	25	1	GRO95/8021		4/23/2013	CJR	1
Methyl tert-butyl ether (MTBE)	< 25	ug/kg	8.1	26	1	GRO95/8021		4/23/2013	CJR	1
Naphthalene	< 25	ug/kg	22	70	1	GRO95/8021		4/23/2013	CJR	1
Toluene	< 25	ug/kg	8.4	27	1	GRO95/8021		4/23/2013	CJR	1
1,2,4-Trimethylbenzene	< 25	ug/kg	10	33	1	GRO95/8021		4/23/2013	CJR	1
1,3,5-Trimethylbenzene	< 25	ug/kg	9.3	30	1	GRO95/8021		4/23/2013	CJR	1
m&p-Xylene	< 50	ug/kg	16	50	1	GRO95/8021		4/23/2013	CJR	1
o-Xylene	< 25	ug/kg	10	32	1	GRO95/8021		4/23/2013	CJR	1



Project Name KOPATZ/CRONCE PROPERTY  
 Project #

Invoice # E25023

Lab Code 5025023T  
 Sample ID G-12-3  
 Sample Matrix Soil  
 Sample Date 4/9/2013

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	91.1	%			1	5021		4/16/2013	MDK	1
Organic										
GRO/PVOC + Naphthalene										
Gasoline Range Organics	970	mg/kg	23	73	10	GRO95/8021		4/23/2013	CJR	1
Benzene	950	ug/kg	79	250	10	GRO95/8021		4/23/2013	CJR	1
Ethylbenzene	820	ug/kg	77	250	10	GRO95/8021		4/23/2013	CJR	1
Methyl tert-butyl ether (MTBE)	< 250	ug/kg	81	260	10	GRO95/8021		4/23/2013	CJR	1
Naphthalene	2470	ug/kg	220	700	10	GRO95/8021		4/23/2013	CJR	1
Toluene	2490	ug/kg	84	270	10	GRO95/8021		4/23/2013	CJR	1
1,2,4-Trimethylbenzene	5200	ug/kg	100	330	10	GRO95/8021		4/23/2013	CJR	1
1,3,5-Trimethylbenzene	11700	ug/kg	93	300	10	GRO95/8021		4/23/2013	CJR	1
m&p-Xylene	8400	ug/kg	160	500	10	GRO95/8021		4/23/2013	CJR	1
o-Xylene	1180	ug/kg	100	320	10	GRO95/8021		4/23/2013	CJR	1

Lab Code 5025023U  
 Sample ID MEOH BLANK  
 Sample Matrix Soil  
 Sample Date 4/9/2013

	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		4/23/2013	CJR	1
Benzene	< 25	ug/kg	7.9	25	1	GRO95/8021		4/23/2013	CJR	1
Ethylbenzene	< 25	ug/kg	7.7	25	1	GRO95/8021		4/23/2013	CJR	1
Methyl tert-butyl ether (MTBE)	< 25	ug/kg	8.1	26	1	GRO95/8021		4/23/2013	CJR	1
Naphthalene	< 25	ug/kg	22	70	1	GRO95/8021		4/23/2013	CJR	1
Toluene	< 25	ug/kg	8.4	27	1	GRO95/8021		4/23/2013	CJR	1
1,2,4-Trimethylbenzene	< 25	ug/kg	10	33	1	GRO95/8021		4/23/2013	CJR	1
1,3,5-Trimethylbenzene	< 25	ug/kg	9.3	30	1	GRO95/8021		4/23/2013	CJR	1
m&p-Xylene	< 50	ug/kg	16	50	1	GRO95/8021		4/23/2013	CJR	1
o-Xylene	< 25	ug/kg	10	32	1	GRO95/8021		4/23/2013	CJR	1

Lab Code 5025023V  
 Sample ID TB  
 Sample Matrix Water  
 Sample Date 4/9/2013

	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		4/18/2013	CJR	1
Ethylbenzene	< 0.82	ug/l	0.82	2.6	1	GRO95/8021		4/18/2013	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.37	ug/l	0.37	1.2	1	GRO95/8021		4/18/2013	CJR	1
Naphthalene	< 1.2	ug/l	1.2	3.8	1	GRO95/8021		4/18/2013	CJR	1
Toluene	< 0.8	ug/l	0.8	2.6	1	GRO95/8021		4/18/2013	CJR	1
1,2,4-Trimethylbenzene	< 0.83	ug/l	0.83	2.6	1	GRO95/8021		4/18/2013	CJR	1
1,3,5-Trimethylbenzene	< 0.86	ug/l	0.86	2.7	1	GRO95/8021		4/18/2013	CJR	1
m&p-Xylene	< 1.6	ug/l	1.6	5.2	1	GRO95/8021		4/18/2013	CJR	1
o-Xylene	< 0.81	ug/l	0.81	2.6	1	GRO95/8021		4/18/2013	CJR	1

Project #

Lab Code 5025023W  
 Sample ID POTABLE WATER  
 Sample Matrix Drinking Water  
 Sample Date 4/9/2013

	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	4/19/2013	4/19/2013	CJR	1
Bromobenzene	<0.33	ug/l	0.33	1	1	524.2	4/19/2013	4/19/2013	CJR	1
Bromodichloromethane	<0.27	ug/l	0.27	0.85	1	524.2	4/19/2013	4/19/2013	CJR	1
Bromoform	<0.34	ug/l	0.34	1.1	1	524.2	4/19/2013	4/19/2013	CJR	1
Bromomethane	<0.98	ug/l	0.98	3.1	1	524.2	4/19/2013	4/19/2013	CJR	1
Carbon Tetrachloride	<0.25	ug/l	0.25	0.81	1	524.2	4/19/2013	4/19/2013	CJR	1
Chlorobenzene	<0.24	ug/l	0.24	0.77	1	524.2	4/19/2013	4/19/2013	CJR	1
Chloroethane	<0.62	ug/l	0.62	2	1	524.2	4/19/2013	4/19/2013	CJR	1
Chloroform	<0.28	ug/l	0.28	0.88	1	524.2	4/19/2013	4/19/2013	CJR	1
Chloromethane	<0.81	ug/l	0.81	2.6	1	524.2	4/19/2013	4/19/2013	CJR	1
2-Chlorotoluene	<0.35	ug/l	0.35	1.1	1	524.2	4/19/2013	4/19/2013	CJR	1
4-Chlorotoluene	<0.29	ug/l	0.29	0.91	1	524.2	4/19/2013	4/19/2013	CJR	1
Dibromochloromethane	<0.2	ug/l	0.2	0.64	1	524.2	4/19/2013	4/19/2013	CJR	1
Dibromomethane	<0.41	ug/l	0.41	1.3	1	524.2	4/19/2013	4/19/2013	CJR	1
1,4-Dichlorobenzene	<0.25	ug/l	0.25	0.8	1	524.2	4/19/2013	4/19/2013	CJR	1
1,3-Dichlorobenzene	<0.3	ug/l	0.3	0.96	1	524.2	4/19/2013	4/19/2013	CJR	1
1,2-Dichlorobenzene	<0.28	ug/l	0.28	0.88	1	524.2	4/19/2013	4/19/2013	CJR	1
Dichlorodifluoromethane	<0.27	ug/l	0.27	0.85	1	524.2	4/19/2013	4/19/2013	CJR	1
1,2-Dichloroethane	<0.41	ug/l	0.41	1.3	1	524.2	4/19/2013	4/19/2013	CJR	1
1,1-Dichloroethane	<0.3	ug/l	0.3	0.97	1	524.2	4/19/2013	4/19/2013	CJR	1
1,1-Dichloroethene	<0.31	ug/l	0.31	0.99	1	524.2	4/19/2013	4/19/2013	CJR	1
cis-1,2-Dichloroethene	<0.32	ug/l	0.32	1	1	524.2	4/19/2013	4/19/2013	CJR	1
trans-1,2-Dichloroethene	<0.25	ug/l	0.25	0.8	1	524.2	4/19/2013	4/19/2013	CJR	1
1,2-Dichloropropane	<0.32	ug/l	0.32	1	1	524.2	4/19/2013	4/19/2013	CJR	1
2,2-Dichloropropane	<0.45	ug/l	0.45	1.4	1	524.2	4/19/2013	4/19/2013	CJR	1
1,3-Dichloropropane	<0.26	ug/l	0.26	0.82	1	524.2	4/19/2013	4/19/2013	CJR	1
trans-1,3-Dichloropropene	<0.22	ug/l	0.22	0.69	1	524.2	4/19/2013	4/19/2013	CJR	1
cis-1,3-Dichloropropene	<0.2	ug/l	0.2	0.63	1	524.2	4/19/2013	4/19/2013	CJR	1
1,1-Dichloropropene	<0.34	ug/l	0.34	1.1	1	524.2	4/19/2013	4/19/2013	CJR	1
Ethylbenzene	<0.27	ug/l	0.27	0.86	1	524.2	4/19/2013	4/19/2013	CJR	1
Hexachlorobutadiene	<0.48	ug/l	0.48	1.5	1	524.2	4/19/2013	4/19/2013	CJR	1
Isopropylbenzene	<0.3	ug/l	0.3	0.96	1	524.2	4/19/2013	4/19/2013	CJR	1
p-Isopropyltoluene	<0.3	ug/l	0.3	0.94	1	524.2	4/19/2013	4/19/2013	CJR	1
Methylene chloride	<0.35	ug/l	0.35	1.1	1	524.2	4/19/2013	4/19/2013	CJR	1
Methyl tert-butyl ether (MTBE)	<0.26	ug/l	0.26	0.82	1	524.2	4/19/2013	4/19/2013	CJR	1
Naphthalene	<0.49	ug/l	0.49	1.6	1	524.2	4/19/2013	4/19/2013	CJR	1
Styrene	<0.23	ug/l	0.23	0.72	1	524.2	4/19/2013	4/19/2013	CJR	1
1,1,2,2-Tetrachloroethane	<0.45	ug/l	0.45	1.4	1	524.2	4/19/2013	4/19/2013	CJR	1
1,1,1,2-Tetrachloroethane	<0.29	ug/l	0.29	0.91	1	524.2	4/19/2013	4/19/2013	CJR	1
Tetrachloroethene	<0.27	ug/l	0.27	0.85	1	524.2	4/19/2013	4/19/2013	CJR	1
Toluene	<0.24	ug/l	0.24	0.75	1	524.2	4/19/2013	4/19/2013	CJR	1
1,2,4-Trichlorobenzene	<0.24	ug/l	0.24	0.76	1	524.2	4/19/2013	4/19/2013	CJR	1
1,1,1-Trichloroethane	<0.33	ug/l	0.33	1	1	524.2	4/19/2013	4/19/2013	CJR	1
1,1,2-Trichloroethane	<0.34	ug/l	0.34	1.1	1	524.2	4/19/2013	4/19/2013	CJR	1
Trichloroethene (TCE)	<0.3	ug/l	0.3	0.96	1	524.2	4/19/2013	4/19/2013	CJR	1
Trichlorofluoromethane	<0.26	ug/l	0.26	0.84	1	524.2	4/19/2013	4/19/2013	CJR	1
1,2,3-Trichloropropane	<0.91	ug/l	0.91	2.9	1	524.2	4/19/2013	4/19/2013	CJR	1
Trichlorotrifluoroethane	<0.41	ug/l	0.41	1.3	1	524.2	4/19/2013	4/19/2013	CJR	1
1,2,4-Trimethylbenzene	<0.31	ug/l	0.31	0.98	1	524.2	4/19/2013	4/19/2013	CJR	1
1,3,5-Trimethylbenzene	<0.26	ug/l	0.26	0.83	1	524.2	4/19/2013	4/19/2013	CJR	1
Vinyl Chloride	<0.18	ug/l	0.18	0.57	1	524.2	4/19/2013	4/19/2013	CJR	1
m&p-Xylene	<0.69	ug/l	0.69	2.2	1	524.2	4/19/2013	4/19/2013	CJR	1
o-Xylene	<0.25	ug/l	0.25	0.79	1	524.2	4/19/2013	4/19/2013	CJR	1

Project #

Lab Code 5025023X  
 Sample ID G-1-W  
 Sample Matrix Water  
 Sample Date 4/9/2013

	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		4/16/2013	CJR	1
Ethylbenzene	< 0.82	ug/l	0.82	2.6	1	GRO95/8021		4/16/2013	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.37	ug/l	0.37	1.2	1	GRO95/8021		4/16/2013	CJR	1
Naphthalene	< 1.2	ug/l	1.2	3.8	1	GRO95/8021		4/16/2013	CJR	1
Toluene	< 0.8	ug/l	0.8	2.6	1	GRO95/8021		4/16/2013	CJR	1
1,2,4-Trimethylbenzene	< 0.83	ug/l	0.83	2.6	1	GRO95/8021		4/16/2013	CJR	1
1,3,5-Trimethylbenzene	< 0.86	ug/l	0.86	2.7	1	GRO95/8021		4/16/2013	CJR	1
m&p-Xylene	< 1.6	ug/l	1.6	5.2	1	GRO95/8021		4/16/2013	CJR	1
o-Xylene	< 0.81	ug/l	0.81	2.6	1	GRO95/8021		4/16/2013	CJR	1

Lab Code 5025023Y  
 Sample ID G-2-W  
 Sample Matrix Water  
 Sample Date 4/9/2013

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	8.5 "J"	ug/l	5.4	17	20	GRO95/8021		4/16/2013	CJR	1
Ethylbenzene	710	ug/l	16.4	52	20	GRO95/8021		4/16/2013	CJR	1
Methyl tert-butyl ether (MTBE)	< 7.4	ug/l	7.4	24	20	GRO95/8021		4/16/2013	CJR	1
Naphthalene	242	ug/l	24	76	20	GRO95/8021		4/16/2013	CJR	1
Toluene	1190	ug/l	16	52	20	GRO95/8021		4/16/2013	CJR	1
1,2,4-Trimethylbenzene	1150	ug/l	16.6	52	20	GRO95/8021		4/16/2013	CJR	1
1,3,5-Trimethylbenzene	350	ug/l	17.2	54	20	GRO95/8021		4/16/2013	CJR	1
m&p-Xylene	3500	ug/l	32	104	20	GRO95/8021		4/16/2013	CJR	1
o-Xylene	860	ug/l	16.2	52	20	GRO95/8021		4/16/2013	CJR	1

Lab Code 5025023Z  
 Sample ID G-3-W  
 Sample Matrix Water  
 Sample Date 4/9/2013

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	16.6	ug/l	2.7	8.5	10	GRO95/8021		4/16/2013	CJR	1
Ethylbenzene	134	ug/l	8.2	26	10	GRO95/8021		4/16/2013	CJR	1
Methyl tert-butyl ether (MTBE)	< 3.7	ug/l	3.7	12	10	GRO95/8021		4/16/2013	CJR	1
Naphthalene	135	ug/l	12	38	10	GRO95/8021		4/16/2013	CJR	1
Toluene	460	ug/l	8	26	10	GRO95/8021		4/16/2013	CJR	1
1,2,4-Trimethylbenzene	1000	ug/l	8.3	26	10	GRO95/8021		4/16/2013	CJR	1
1,3,5-Trimethylbenzene	370	ug/l	8.6	27	10	GRO95/8021		4/16/2013	CJR	1
m&p-Xylene	1400	ug/l	16	52	10	GRO95/8021		4/16/2013	CJR	1
o-Xylene	620	ug/l	8.1	26	10	GRO95/8021		4/16/2013	CJR	1

Lab Code 525023AA  
 Sample ID G-4-W  
 Sample Matrix Water  
 Sample Date 4/9/2013

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	4000	ug/l	27	85	100	GRO95/8021		4/16/2013	CJR	1

Project #

Lab Code 525023AA  
 Sample ID G-4-W  
 Sample Matrix Water  
 Sample Date 4/9/2013

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Ethylbenzene	1080	ug/l	82	260	100	GRO95/8021		4/16/2013	CJR	1
Methyl tert-butyl ether (MTBE)	< 37	ug/l	37	120	100	GRO95/8021		4/16/2013	CJR	1
Naphthalene	550	ug/l	120	380	100	GRO95/8021		4/16/2013	CJR	1
Toluene	11700	ug/l	80	260	100	GRO95/8021		4/16/2013	CJR	1
1,2,4-Trimethylbenzene	750	ug/l	83	260	100	GRO95/8021		4/16/2013	CJR	1
1,3,5-Trimethylbenzene	257 "J"	ug/l	86	270	100	GRO95/8021		4/16/2013	CJR	1
m&p-Xylene	3200	ug/l	160	520	100	GRO95/8021		4/16/2013	CJR	1
o-Xylene	1400	ug/l	81	260	100	GRO95/8021		4/16/2013	CJR	1

Lab Code 525023BB  
 Sample ID G-5-W  
 Sample Matrix Water  
 Sample Date 4/9/2013

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	< 13.5	ug/l	13.5	42.5	50	GRO95/8021		4/16/2013	CJR	1
Ethylbenzene	1010	ug/l	41	130	50	GRO95/8021		4/16/2013	CJR	1
Methyl tert-butyl ether (MTBE)	< 18.5	ug/l	18.5	60	50	GRO95/8021		4/16/2013	CJR	1
Naphthalene	229	ug/l	60	190	50	GRO95/8021		4/16/2013	CJR	1
Toluene	1470	ug/l	40	130	50	GRO95/8021		4/16/2013	CJR	1
1,2,4-Trimethylbenzene	1260	ug/l	41.5	130	50	GRO95/8021		4/16/2013	CJR	1
1,3,5-Trimethylbenzene	420	ug/l	43	135	50	GRO95/8021		4/16/2013	CJR	1
m&p-Xylene	5000	ug/l	80	260	50	GRO95/8021		4/16/2013	CJR	1
o-Xylene	1010	ug/l	40.5	130	50	GRO95/8021		4/16/2013	CJR	1

Lab Code 525023CC  
 Sample ID G-6-W  
 Sample Matrix Water  
 Sample Date 4/9/2013

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	135	ug/l	27	85	100	GRO95/8021		4/16/2013	CJR	1
Ethylbenzene	1100	ug/l	82	260	100	GRO95/8021		4/16/2013	CJR	1
Methyl tert-butyl ether (MTBE)	< 37	ug/l	37	120	100	GRO95/8021		4/16/2013	CJR	1
Naphthalene	330 "J"	ug/l	120	380	100	GRO95/8021		4/16/2013	CJR	1
Toluene	7100	ug/l	80	260	100	GRO95/8021		4/16/2013	CJR	1
1,2,4-Trimethylbenzene	600	ug/l	83	260	100	GRO95/8021		4/16/2013	CJR	1
1,3,5-Trimethylbenzene	172 "J"	ug/l	86	270	100	GRO95/8021		4/16/2013	CJR	1
m&p-Xylene	4400	ug/l	160	520	100	GRO95/8021		4/16/2013	CJR	1
o-Xylene	1720	ug/l	81	260	100	GRO95/8021		4/16/2013	CJR	1

Lab Code 525023DD  
 Sample ID G-7-W  
 Sample Matrix Water  
 Sample Date 4/9/2013

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	3.2	ug/l	0.27	0.85	1	GRO95/8021		4/16/2013	CJR	1
Ethylbenzene	3.4	ug/l	0.82	2.6	1	GRO95/8021		4/16/2013	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.37	ug/l	0.37	1.2	1	GRO95/8021		4/16/2013	CJR	1
Naphthalene	8.3	ug/l	1.2	3.8	1	GRO95/8021		4/16/2013	CJR	1

Project #

Lab Code 525023DD  
 Sample ID G-7-W  
 Sample Matrix Water  
 Sample Date 4/9/2013

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Toluene	6.9	ug/l	0.8	2.6	1	GRO95/8021	4/16/2013	4/16/2013	CJR	1
1,2,4-Trimethylbenzene	3.2	ug/l	0.83	2.6	1	GRO95/8021	4/16/2013	4/16/2013	CJR	1
1,3,5-Trimethylbenzene	1.26 "J"	ug/l	0.86	2.7	1	GRO95/8021	4/16/2013	4/16/2013	CJR	1
m&p-Xylene	7.5	ug/l	1.6	5.2	1	GRO95/8021	4/16/2013	4/16/2013	CJR	1
o-Xylene	2.94	ug/l	0.81	2.6	1	GRO95/8021	4/16/2013	4/16/2013	CJR	1

Lab Code 525023EE  
 Sample ID G-8-W  
 Sample Matrix Water  
 Sample Date 4/9/2013

	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	4/18/2013	4/18/2013	CJR	1
Ethylbenzene	< 0.82	ug/l	0.82	2.6	1	GRO95/8021	4/18/2013	4/18/2013	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.37	ug/l	0.37	1.2	1	GRO95/8021	4/18/2013	4/18/2013	CJR	1
Naphthalene	< 1.2	ug/l	1.2	3.8	1	GRO95/8021	4/18/2013	4/18/2013	CJR	1
Toluene	0.93 "J"	ug/l	0.8	2.6	1	GRO95/8021	4/18/2013	4/18/2013	CJR	1
1,2,4-Trimethylbenzene	< 0.83	ug/l	0.83	2.6	1	GRO95/8021	4/18/2013	4/18/2013	CJR	1
1,3,5-Trimethylbenzene	< 0.86	ug/l	0.86	2.7	1	GRO95/8021	4/18/2013	4/18/2013	CJR	1
m&p-Xylene	2.01 "J"	ug/l	1.6	5.2	1	GRO95/8021	4/18/2013	4/18/2013	CJR	1
o-Xylene	< 0.81	ug/l	0.81	2.6	1	GRO95/8021	4/18/2013	4/18/2013	CJR	1

Lab Code 525023FF  
 Sample ID G-9-W  
 Sample Matrix Water  
 Sample Date 4/9/2013

	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	4/18/2013	4/18/2013	CJR	1
Ethylbenzene	< 0.82	ug/l	0.82	2.6	1	GRO95/8021	4/18/2013	4/18/2013	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.37	ug/l	0.37	1.2	1	GRO95/8021	4/18/2013	4/18/2013	CJR	1
Naphthalene	< 1.2	ug/l	1.2	3.8	1	GRO95/8021	4/18/2013	4/18/2013	CJR	1
Toluene	< 0.8	ug/l	0.8	2.6	1	GRO95/8021	4/18/2013	4/18/2013	CJR	1
1,2,4-Trimethylbenzene	< 0.83	ug/l	0.83	2.6	1	GRO95/8021	4/18/2013	4/18/2013	CJR	1
1,3,5-Trimethylbenzene	< 0.86	ug/l	0.86	2.7	1	GRO95/8021	4/18/2013	4/18/2013	CJR	1
m&p-Xylene	< 1.6	ug/l	1.6	5.2	1	GRO95/8021	4/18/2013	4/18/2013	CJR	1
o-Xylene	< 0.81	ug/l	0.81	2.6	1	GRO95/8021	4/18/2013	4/18/2013	CJR	1

Lab Code 525023GG  
 Sample ID G-10-W  
 Sample Matrix Water  
 Sample Date 4/9/2013

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	1.14	ug/l	0.27	0.85	1	GRO95/8021	4/19/2013	4/19/2013	CJR	1
Ethylbenzene	5.1	ug/l	0.82	2.6	1	GRO95/8021	4/19/2013	4/19/2013	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.37	ug/l	0.37	1.2	1	GRO95/8021	4/19/2013	4/19/2013	CJR	1
Naphthalene	1.86 "J"	ug/l	1.2	3.8	1	GRO95/8021	4/19/2013	4/19/2013	CJR	1
Toluene	16.8	ug/l	0.8	2.6	1	GRO95/8021	4/19/2013	4/19/2013	CJR	1
1,2,4-Trimethylbenzene	7.5	ug/l	0.83	2.6	1	GRO95/8021	4/19/2013	4/19/2013	CJR	1
1,3,5-Trimethylbenzene	2.06 "J"	ug/l	0.86	2.7	1	GRO95/8021	4/19/2013	4/19/2013	CJR	1

Project #

Lab Code 525023GG  
 Sample ID G-10-W  
 Sample Matrix Water  
 Sample Date 4/9/2013

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
m&p-Xylene	16.4	ug/l	1.6	5.2	1	GRO95/8021	4/19/2013	4/19/2013	CJR	1
o-Xylene	7.7	ug/l	0.81	2.6	1	GRO95/8021	4/19/2013	4/19/2013	CJR	1

Lab Code 525023HH  
 Sample ID G-11-W  
 Sample Matrix Water  
 Sample Date 4/9/2013

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	0.33 "J"	ug/l	0.27	0.85	1	GRO95/8021	4/18/2013	4/18/2013	CJR	1
Ethylbenzene	0.91 "J"	ug/l	0.82	2.6	1	GRO95/8021	4/18/2013	4/18/2013	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.37	ug/l	0.37	1.2	1	GRO95/8021	4/18/2013	4/18/2013	CJR	1
Naphthalene	< 1.2	ug/l	1.2	3.8	1	GRO95/8021	4/18/2013	4/18/2013	CJR	1
Toluene	3.9	ug/l	0.8	2.6	1	GRO95/8021	4/18/2013	4/18/2013	CJR	1
1,2,4-Trimethylbenzene	< 0.83	ug/l	0.83	2.6	1	GRO95/8021	4/18/2013	4/18/2013	CJR	1
1,3,5-Trimethylbenzene	< 0.86	ug/l	0.86	2.7	1	GRO95/8021	4/18/2013	4/18/2013	CJR	1
m&p-Xylene	2.64 "J"	ug/l	1.6	5.2	1	GRO95/8021	4/18/2013	4/18/2013	CJR	1
o-Xylene	1.87 "J"	ug/l	0.81	2.6	1	GRO95/8021	4/18/2013	4/18/2013	CJR	1

Lab Code 525023II  
 Sample ID G-12-W  
 Sample Matrix Water  
 Sample Date 4/9/2013

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	10.7	ug/l	2.7	8.5	10	GRO95/8021	4/19/2013	4/19/2013	CJR	1
Ethylbenzene	32	ug/l	8.2	26	10	GRO95/8021	4/19/2013	4/19/2013	CJR	1
Methyl tert-butyl ether (MTBE)	< 3.7	ug/l	3.7	12	10	GRO95/8021	4/19/2013	4/19/2013	CJR	1
Naphthalene	24.3 "J"	ug/l	12	38	10	GRO95/8021	4/19/2013	4/19/2013	CJR	1
Toluene	36	ug/l	8	26	10	GRO95/8021	4/19/2013	4/19/2013	CJR	1
1,2,4-Trimethylbenzene	21.7 "J"	ug/l	8.3	26	10	GRO95/8021	4/19/2013	4/19/2013	CJR	1
1,3,5-Trimethylbenzene	72	ug/l	8.6	27	10	GRO95/8021	4/19/2013	4/19/2013	CJR	1
m&p-Xylene	72	ug/l	16	52	10	GRO95/8021	4/19/2013	4/19/2013	CJR	1
o-Xylene	18.1 "J"	ug/l	8.1	26	10	GRO95/8021	4/19/2013	4/19/2013	CJR	1

Lab Code 525023JJ  
 Sample ID G-13-W  
 Sample Matrix Water  
 Sample Date 4/9/2013

	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	4/18/2013	4/18/2013	CJR	1
Ethylbenzene	< 0.82	ug/l	0.82	2.6	1	GRO95/8021	4/18/2013	4/18/2013	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.37	ug/l	0.37	1.2	1	GRO95/8021	4/18/2013	4/18/2013	CJR	1
Naphthalene	< 1.2	ug/l	1.2	3.8	1	GRO95/8021	4/18/2013	4/18/2013	CJR	1
Toluene	< 0.8	ug/l	0.8	2.6	1	GRO95/8021	4/18/2013	4/18/2013	CJR	1
1,2,4-Trimethylbenzene	< 0.83	ug/l	0.83	2.6	1	GRO95/8021	4/18/2013	4/18/2013	CJR	1
1,3,5-Trimethylbenzene	< 0.86	ug/l	0.86	2.7	1	GRO95/8021	4/18/2013	4/18/2013	CJR	1
m&p-Xylene	< 1.6	ug/l	1.6	5.2	1	GRO95/8021	4/18/2013	4/18/2013	CJR	1
o-Xylene	< 0.81	ug/l	0.81	2.6	1	GRO95/8021	4/18/2013	4/18/2013	CJR	1

Project Name KOPATZ/CRONCE PROPERTY  
 Project #

Invoice # E25023

Lab Code 525023KK  
 Sample ID G-14-W  
 Sample Matrix Water  
 Sample Date 4/9/2013

	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		4/19/2013	CJR	1
Ethylbenzene	< 0.82	ug/l	0.82	2.6	1	GRO95/8021		4/19/2013	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.37	ug/l	0.37	1.2	1	GRO95/8021		4/19/2013	CJR	1
Naphthalene	< 1.2	ug/l	1.2	3.8	1	GRO95/8021		4/19/2013	CJR	1
Toluene	1.01 "J"	ug/l	0.8	2.6	1	GRO95/8021		4/19/2013	CJR	1
1,2,4-Trimethylbenzene	< 0.83	ug/l	0.83	2.6	1	GRO95/8021		4/19/2013	CJR	1
1,3,5-Trimethylbenzene	< 0.86	ug/l	0.86	2.7	1	GRO95/8021		4/19/2013	CJR	1
m&p-Xylene	< 1.6	ug/l	1.6	5.2	1	GRO95/8021		4/19/2013	CJR	1
o-Xylene	< 0.81	ug/l	0.81	2.6	1	GRO95/8021		4/19/2013	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.

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

## Environmental Lab, Inc.

Chain # No 911

Page 1 of 4

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): *Kopatz / Crouce Property*  
 Reports To: *Dennis Kopatz* Invoice To: *Dennis Kopatz c/o Jason Powell*  
 Company: \_\_\_\_\_ Company: *METCO*  
 Address: *N 4510 Schact Rd* Address: *709 Gillette St, Ste 3*  
 City State Zip: *Marinette WI 54143* City State Zip: *La Crosse, WI 54603*  
 Phone: *(920) 819-6750* Phone: *(608) 781-8879*  
 FAX: \_\_\_\_\_ FAX: \_\_\_\_\_

		Analysis Requested										Other Analysis										
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>5025023A</i>	<i>G-1-1</i>	<i>4/9/13</i>	<i>8:40</i>		<i>X</i>		<i>3</i>	<i>S</i>	<i>MEOH/None</i>	<i>X</i>	<i>X</i>		<i>X</i>			<i>X</i>						
<i>B</i>	<i>G-1-2</i>		<i>8:45</i>				<i>2</i>			<i>X</i>						<i>X</i>						
<i>C</i>	<i>G-1-3</i>		<i>8:50</i>				<i>2</i>			<i>X</i>						<i>X</i>						
<i>D</i>	<i>G-2-1</i>		<i>9:20</i>				<i>3</i>		<i>/None</i>	<i>X</i>		<i>X</i>				<i>X</i>						
<i>E</i>	<i>G-2-2</i>		<i>9:25</i>				<i>2</i>			<i>X</i>						<i>X</i>						
<i>F</i>	<i>G-2-3</i>		<i>9:30</i>				<i>2</i>			<i>X</i>						<i>X</i>						
<i>G</i>	<i>G-3-1</i>		<i>10:00</i>				<i>3</i>		<i>/None</i>	<i>X</i>		<i>X</i>				<i>X</i>						
<i>H</i>	<i>G-3-2</i>		<i>10:05</i>				<i>2</i>			<i>X</i>						<i>X</i>						
<i>I</i>	<i>G-4-1</i>		<i>10:40</i>				<i>3</i>		<i>/None</i>	<i>X</i>		<i>X</i>				<i>X</i>						
<i>J</i>	<i>G-4-2</i>		<i>10:45</i>				<i>2</i>			<i>X</i>		<i>X</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 apply Agent Status*

*Analyze G-4-2 for GRO, VOC and Lead*

Sample Integrity - To be completed by receiving lab

Relinquished By: (sign) *E. Paul* Time *9:00 AM* Date *4/11/13*

Received By: (sign) \_\_\_\_\_ Time *8:00* Date *4-12-13*

Method of Shipment: *Dry Ice*

Temp. of Temp. Blank:  C On Ice

Cooler seal intact upon receipt:  Yes  No



CHAIN OF CUSTODY RECORD



Chain # No 941

Page 2 of 4

Lab I.D. # \_\_\_\_\_  
 Account No.: \_\_\_\_\_ Quote No.: \_\_\_\_\_  
 Project #: \_\_\_\_\_  
 Sampler: (signature) *E. Vane*

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>Kopatz/Crona Property</i>		Analysis Requested										Other Analysis											
Lab I.D.	Sample I.D.	Collection Date	Time	Comp	Grab	Filtered Y/N	No. of Containers	Sample Type (Matrix)*	Preservation	DRO (Med DRO Sep 95)	GRO (Med 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	FID/ FID	
<i>5075023k</i>	<i>G-4-4</i>	<i>4/19</i>	<i>1:30</i>		<i>X</i>		<i>2</i>	<i>S</i>	<i>MEOH</i>		<i>X</i>						<i>X</i>						
<i>L</i>	<i>G-5-1</i>	<i> </i>	<i>11:00</i>		<i> </i>		<i>3</i>	<i> </i>	<i>/None</i>		<i>X</i>		<i>X</i>				<i>X</i>						
<i>M</i>	<i>G-5-2</i>	<i> </i>	<i>11:05</i>		<i> </i>		<i>2</i>	<i> </i>	<i> </i>		<i>X</i>						<i>X</i>						
<i>N</i>	<i>G-5-3</i>	<i> </i>	<i>11:25</i>		<i> </i>		<i>2</i>	<i> </i>	<i> </i>		<i>X</i>						<i>X</i>						
<i>O</i>	<i>G-6-1</i>	<i> </i>	<i>11:35</i>		<i> </i>		<i>3</i>	<i> </i>	<i>/None</i>		<i>X</i>		<i>X</i>				<i>X</i>						
<i>P</i>	<i>G-6-2</i>	<i> </i>	<i>11:40</i>		<i> </i>		<i>2</i>	<i> </i>	<i> </i>		<i>X</i>						<i>X</i>						
<i>Q</i>	<i>G-6-3</i>	<i> </i>	<i>11:45</i>		<i> </i>		<i>2</i>	<i> </i>	<i> </i>		<i>X</i>						<i>X</i>						
<i>R</i>	<i>G-12-1</i>	<i> </i>	<i>3:35</i>		<i> </i>		<i>3</i>	<i> </i>	<i>/None</i>		<i>X</i>		<i>X</i>				<i>X</i>						
<i>S</i>	<i>G-12-2</i>	<i> </i>	<i>3:40</i>		<i> </i>		<i>2</i>	<i> </i>	<i> </i>		<i>X</i>						<i>X</i>						
<i>T</i>	<i>G-12-3</i>	<i> </i>	<i>3:45</i>		<i> </i>		<i>2</i>	<i> </i>	<i> </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: *Delivery*  
 Temp. of Temp. Blank:  C  On Ice  
 Cooler seal intact upon receipt:  Yes  No

Relinquished By: (sign) *E. Vane* Time Date *9:00 AM 4/11/13*  
 Received in Laboratory By: *(Signature)* Time: *8:00* Date: *4-12-13*

CHAIN OF CUSTODY RECORD



Environmental Lab, Inc.

Chain # No 942

Page 3 of 4

Lab I.D. # \_\_\_\_\_  
 Account No. : \_\_\_\_\_ Quote No.: \_\_\_\_\_  
 Project #: \_\_\_\_\_  
 Sampler: (signature) *E. P. [unclear]*

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): *Kopatz/Cronce Property*  
 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										
DRO (Micro DRO Sep 95)	GRO (Micro GRO Sep 95)	IRON	LEAD	NITRATE / NITRITE	PAH (EPA 6270)	PVOC (EPA 8021)	PVOC + NAPHTHALENE	SULFATE	VOC DW (EPA 524.2)	VOC (EPA 8260)	8-PCRA METALS	PID/ FID
	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
50750234	Meth Blank	4/1/13				1		MEDH
V	Trip Blank					1		HCl
W	Portable Well	9:55		X	N	3	DW	
X	G-1-W	9:00					GW	
Y	G-2-W	9:40						
Z	G-3-W	10:10						
575023AA	G-4-W	1:35						
BB	G-5-W	11:25						
CC	G-6-W	11:55						
DD	G-7-W	12:10						

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: *Dry Ice*  
 Temp. of Temp. Blank: *4 C On Ice*  
 Cooler seal intact upon receipt:  Yes  No

Relinquished By: (sign) *E. P. [unclear]* Time: *9:00 AM* Date: *4/1/13*  
 Received By: (sign) \_\_\_\_\_ Time: \_\_\_\_\_ Date: \_\_\_\_\_  
 Received in Laboratory By: *Shirley [unclear]* Time: *8:00* Date: *4-12-13*

CHAIN OF CUSTODY RECORD

Synergy

Chain # No 943

Page 4 of 4

Environmental Lab, Inc.

Sample Handling Request
Rush Analysis Date Required
Normal Turn Around

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

Lab I.D. #
Account No.: Quote No.:
Project #:
Sampler: [Signature]

Project (Name / Location): Kopatz/Ciorne Property
Reports To: See Page 1 Invoice To:
Company
Address
City State Zip
Phone
FAX

Table with columns for Analysis Requested and Other Analysis. Rows include parameters like DRO, GRO, IRON, LEAD, NITRATE, PAH, PVOC, SULFATE, VOC, and 6-PCRA METALS.

Table with columns for Lab I.D., Sample I.D., Collection Date/Time, Comp, Grab, Filtered Y/N, No. of Containers, Sample Type (Matrix), and Preservation. Contains handwritten data for samples G-8-W through G-14-W.

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

Relinquished By: [Signature] Time: 9:00 AM Date: 4/11/13
Received in Laboratory By: [Signature] Time: 6:00 Date: 4/12/13

# Synergy Environmental Lab,

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

DENNIS KOPATZ  
DENNIS KOPATZ  
N4510 SCHACT ROAD  
MARINETTE, WI 54143

Report Date 01-May-14

Project Name KOPATZ PROPERTY  
Project #

Invoice # E26843

Lab Code 5026843A  
Sample ID METH BLANK  
Sample Matrix Soil  
Sample Date 4/16/2014

	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	4/22/2014	4/22/2014	CJR	1
Ethylbenzene	< 25	ug/kg	7.7	25	1	GRO95/8021	4/22/2014	4/22/2014	CJR	1
Methyl tert-butyl ether (MTBE)	< 25	ug/kg	8.1	26	1	GRO95/8021	4/22/2014	4/22/2014	CJR	1
Naphthalene	< 25	ug/kg	22	70	1	GRO95/8021	4/22/2014	4/22/2014	CJR	1
Toluene	< 25	ug/kg	8.4	27	1	GRO95/8021	4/22/2014	4/22/2014	CJR	1
1,2,4-Trimethylbenzene	< 25	ug/kg	10	33	1	GRO95/8021	4/22/2014	4/22/2014	CJR	1
1,3,5-Trimethylbenzene	< 25	ug/kg	9.3	30	1	GRO95/8021	4/22/2014	4/22/2014	CJR	1
m&p-Xylene	< 50	ug/kg	16	50	1	GRO95/8021	4/22/2014	4/22/2014	CJR	1
o-Xylene	< 25	ug/kg	10	32	1	GRO95/8021	4/22/2014	4/22/2014	CJR	1

Project #

Lab Code 5026843B  
 Sample ID MW-6-2  
 Sample Matrix Soil  
 Sample Date 4/16/2014

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	84.2	%			1	5021		4/18/2014	MDK	1
Inorganic										
Metals										
Lead, Total	4.42	mg/Kg	0.3	0.96	1	6010B		4/23/2014	CWT	1
Organic										
PVOC + Naphthalene										
Benzene	< 25	ug/kg	7.9	25	1	GRO95/8021		4/23/2014	CJR	1
Ethylbenzene	< 25	ug/kg	7.7	25	1	GRO95/8021		4/23/2014	CJR	1
Methyl tert-butyl ether (MTBE)	< 25	ug/kg	8.1	26	1	GRO95/8021		4/23/2014	CJR	1
Naphthalene	< 25	ug/kg	22	70	1	GRO95/8021		4/23/2014	CJR	1
Toluene	< 25	ug/kg	8.4	27	1	GRO95/8021		4/23/2014	CJR	1
1,2,4-Trimethylbenzene	< 25	ug/kg	10	33	1	GRO95/8021		4/23/2014	CJR	1
1,3,5-Trimethylbenzene	< 25	ug/kg	9.3	30	1	GRO95/8021		4/23/2014	CJR	1
m&p-Xylene	< 50	ug/kg	16	50	1	GRO95/8021		4/23/2014	CJR	1
o-Xylene	< 25	ug/kg	10	32	1	GRO95/8021		4/23/2014	CJR	1

Lab Code 5026843C  
 Sample ID MW-5-2  
 Sample Matrix Soil  
 Sample Date 4/16/2014

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	87.4	%			1	5021		4/18/2014	MDK	1
Inorganic										
Metals										
Lead, Total	3.19	mg/Kg	0.3	0.96	1	6010B		4/23/2014	CWT	1
Organic										
PVOC + Naphthalene										
Benzene	< 25	ug/kg	7.9	25	1	GRO95/8021		4/23/2014	CJR	1
Ethylbenzene	< 25	ug/kg	7.7	25	1	GRO95/8021		4/23/2014	CJR	1
Methyl tert-butyl ether (MTBE)	< 25	ug/kg	8.1	26	1	GRO95/8021		4/23/2014	CJR	1
Naphthalene	< 25	ug/kg	22	70	1	GRO95/8021		4/23/2014	CJR	1
Toluene	< 25	ug/kg	8.4	27	1	GRO95/8021		4/23/2014	CJR	1
1,2,4-Trimethylbenzene	< 25	ug/kg	10	33	1	GRO95/8021		4/23/2014	CJR	1
1,3,5-Trimethylbenzene	< 25	ug/kg	9.3	30	1	GRO95/8021		4/23/2014	CJR	1
m&p-Xylene	< 50	ug/kg	16	50	1	GRO95/8021		4/23/2014	CJR	1
o-Xylene	< 25	ug/kg	10	32	1	GRO95/8021		4/23/2014	CJR	1

Project #

Lab Code 5026843D  
 Sample ID MW-4-2  
 Sample Matrix Soil  
 Sample Date 4/16/2014

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	79.7	%			1	5021		4/18/2014	MDK	1
Inorganic										
Metals										
Lead, Total	40.9	mg/Kg	0.3	0.96	1	6010B		4/23/2014	CWT	1
Organic										
PVOC + Naphthalene										
Benzene	< 25	ug/kg	7.9	25	1	GRO95/8021		4/25/2014	CJR	1
Ethylbenzene	< 25	ug/kg	7.7	25	1	GRO95/8021		4/25/2014	CJR	1
Methyl tert-butyl ether (MTBE)	< 25	ug/kg	8.1	26	1	GRO95/8021		4/25/2014	CJR	1
Naphthalene	280	ug/kg	22	70	1	GRO95/8021		4/25/2014	CJR	1
Toluene	< 25	ug/kg	8.4	27	1	GRO95/8021		4/25/2014	CJR	1
1,2,4-Trimethylbenzene	78	ug/kg	10	33	1	GRO95/8021		4/25/2014	CJR	1
1,3,5-Trimethylbenzene	119	ug/kg	9.3	30	1	GRO95/8021		4/25/2014	CJR	1
m&p-Xylene	< 50	ug/kg	16	50	1	GRO95/8021		4/25/2014	CJR	1
o-Xylene	47	ug/kg	10	32	1	GRO95/8021		4/25/2014	CJR	1

Lab Code 5026843E  
 Sample ID MW-3-3  
 Sample Matrix Soil  
 Sample Date 4/17/2014

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	88.8	%			1	5021		4/18/2014	MDK	1
Inorganic										
Metals										
Lead, Total	2.29	mg/Kg	0.3	0.96	1	6010B		4/23/2014	CWT	1
Organic										
PVOC + Naphthalene										
Benzene	< 25	ug/kg	7.9	25	1	GRO95/8021		4/25/2014	CJR	1
Ethylbenzene	29	ug/kg	7.7	25	1	GRO95/8021		4/25/2014	CJR	1
Methyl tert-butyl ether (MTBE)	< 25	ug/kg	8.1	26	1	GRO95/8021		4/25/2014	CJR	1
Naphthalene	138	ug/kg	22	70	1	GRO95/8021		4/25/2014	CJR	1
Toluene	< 25	ug/kg	8.4	27	1	GRO95/8021		4/25/2014	CJR	1
1,2,4-Trimethylbenzene	36	ug/kg	10	33	1	GRO95/8021		4/25/2014	CJR	1
1,3,5-Trimethylbenzene	83	ug/kg	9.3	30	1	GRO95/8021		4/25/2014	CJR	1
m&p-Xylene	61	ug/kg	16	50	1	GRO95/8021		4/25/2014	CJR	1
o-Xylene	< 25	ug/kg	10	32	1	GRO95/8021		4/25/2014	CJR	1

Project #

Lab Code 5026843F  
 Sample ID MW-2-4  
 Sample Matrix Soil  
 Sample Date 4/17/2014

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	93.4	%			1	5021		4/18/2014	MDK	1
Organic										
PVOC + Naphthalene										
Benzene	< 25	ug/kg	7.9	25	1	GRO95/8021		4/25/2014	CJR	1
Ethylbenzene	63	ug/kg	7.7	25	1	GRO95/8021		4/25/2014	CJR	1
Methyl tert-butyl ether (MTBE)	< 25	ug/kg	8.1	26	1	GRO95/8021		4/25/2014	CJR	1
Naphthalene	95	ug/kg	22	70	1	GRO95/8021		4/25/2014	CJR	1
Toluene	189	ug/kg	8.4	27	1	GRO95/8021		4/25/2014	CJR	1
1,2,4-Trimethylbenzene	124	ug/kg	10	33	1	GRO95/8021		4/25/2014	CJR	1
1,3,5-Trimethylbenzene	59	ug/kg	9.3	30	1	GRO95/8021		4/25/2014	CJR	1
m&p-Xylene	214	ug/kg	16	50	1	GRO95/8021		4/25/2014	CJR	1
o-Xylene	73	ug/kg	10	32	1	GRO95/8021		4/25/2014	CJR	1

Lab Code 5026843G  
 Sample ID MW-2-5  
 Sample Matrix Soil  
 Sample Date 4/17/2014

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	93.1	%			1	5021		4/18/2014	MDK	1
Organic										
PVOC + Naphthalene										
Benzene	< 25	ug/kg	7.9	25	1	GRO95/8021		4/25/2014	CJR	1
Ethylbenzene	< 25	ug/kg	7.7	25	1	GRO95/8021		4/25/2014	CJR	1
Methyl tert-butyl ether (MTBE)	< 25	ug/kg	8.1	26	1	GRO95/8021		4/25/2014	CJR	1
Naphthalene	< 25	ug/kg	22	70	1	GRO95/8021		4/25/2014	CJR	1
Toluene	81	ug/kg	8.4	27	1	GRO95/8021		4/25/2014	CJR	1
1,2,4-Trimethylbenzene	44	ug/kg	10	33	1	GRO95/8021		4/25/2014	CJR	1
1,3,5-Trimethylbenzene	< 25	ug/kg	9.3	30	1	GRO95/8021		4/25/2014	CJR	1
m&p-Xylene	71	ug/kg	16	50	1	GRO95/8021		4/25/2014	CJR	1
o-Xylene	30.1 "J"	ug/kg	10	32	1	GRO95/8021		4/25/2014	CJR	1

Lab Code 5026843H  
 Sample ID MW-1-2  
 Sample Matrix Soil  
 Sample Date 4/17/2014

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Inorganic										
Metals										
TCLP Lead	< 0.45	mg/l	0.45		1	6010B		4/23/2014	ESC	1
Organic										
TCLP										
TCLP Benzene	< 0.05	mg/l	0.05		1	8260B		4/25/2014	ESC	1

Project #

Lab Code 5026843I  
 Sample ID MW-1-4  
 Sample Matrix Soil  
 Sample Date 4/17/2014

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	82.3	%			1	5021		4/18/2014	MDK	1
Organic										
PVOC + Naphthalene										
Benzene	230	ug/kg	7.9	25	1	GRO95/8021		4/25/2014	CJR	1
Ethylbenzene	440	ug/kg	7.7	25	1	GRO95/8021		4/25/2014	CJR	1
Methyl tert-butyl ether (MTBE)	< 25	ug/kg	8.1	26	1	GRO95/8021		4/25/2014	CJR	1
Naphthalene	490	ug/kg	22	70	1	GRO95/8021		4/25/2014	CJR	1
Toluene	510	ug/kg	8.4	27	1	GRO95/8021		4/25/2014	CJR	1
1,2,4-Trimethylbenzene	1030	ug/kg	10	33	1	GRO95/8021		4/25/2014	CJR	1
1,3,5-Trimethylbenzene	730	ug/kg	9.3	30	1	GRO95/8021		4/25/2014	CJR	1
m&p-Xylene	1370	ug/kg	16	50	1	GRO95/8021		4/25/2014	CJR	1
o-Xylene	510	ug/kg	10	32	1	GRO95/8021		4/25/2014	CJR	1

Lab Code 5026843J  
 Sample ID MW-1-5  
 Sample Matrix Soil  
 Sample Date 4/17/2014

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	92.2	%			1	5021		4/18/2014	MDK	1
Organic										
PVOC + Naphthalene										
Benzene	1410	ug/kg	7.9	25	1	GRO95/8021		4/25/2014	CJR	1
Ethylbenzene	2470	ug/kg	7.7	25	1	GRO95/8021		4/25/2014	CJR	1
Methyl tert-butyl ether (MTBE)	< 25	ug/kg	8.1	26	1	GRO95/8021		4/25/2014	CJR	1
Naphthalene	2560	ug/kg	22	70	1	GRO95/8021		4/25/2014	CJR	1
Toluene	4900	ug/kg	8.4	27	1	GRO95/8021		4/25/2014	CJR	1
1,2,4-Trimethylbenzene	6500	ug/kg	10	33	1	GRO95/8021		4/25/2014	CJR	1
1,3,5-Trimethylbenzene	2880	ug/kg	9.3	30	1	GRO95/8021		4/25/2014	CJR	1
m&p-Xylene	9800	ug/kg	16	50	1	GRO95/8021		4/25/2014	CJR	1
o-Xylene	3700	ug/kg	10	32	1	GRO95/8021		4/25/2014	CJR	1



Project Name KOPATZ PROPERTY

Invoice # E26843

Project #

"J" Flag: Analyte detected between LOD and LOQ

LOD Limit of Detection

LOQ Limit of Quantitation

*Code*      *Comment*

1            Laboratory QC within limits.

CWT denotes sub contract lab - Certification #445126660

ESC denotes sub contract lab - Certification #998093910

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) *E. V...*

Project (Name / Location): Kopatz Property  
 Reports To: Dennis Kopatz Invoice To: Dennis Kopatz  
 Company: N 4510 Schwacht Rd Company: C/O METCO  
 Address: \_\_\_\_\_ Address: 709 Gillette St Ste 3  
 City State Zip: Marinette, WI 54143 City State Zip: La Crosse, WI 54603  
 Phone: (920) 819-6750 Phone: (608) 781-8879  
 FAX: \_\_\_\_\_ FAX: 8893

Analysis Requested		Other Analysis	
GRO (Mod GRO Sep 95)	GRO (Mod GRO Sep 95)		PID/FID
		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-RCRA METALS	
		TCLP-Lead	
		TCLP-Benzene	

Lab I.D.	Sample I.D.	Collection Date	Time	Comp	Grab	Filtered Y/N	No of Containers	Sample Type (Matrix)	Preservation
<u>5026812A</u>	<u>Meth Blank</u>	<u>4/16</u>	<u>12:35</u>		<input checked="" type="checkbox"/>		<u>1</u>	<u>S</u>	<u>MEOH</u>
<u>B</u>	<u>MW-6-2</u>		<u>1:30</u>				<u>3</u>		<u>MEOH/None</u>
<u>C</u>	<u>MW-5-2</u>		<u>2:55</u>				<u>3</u>		
<u>D</u>	<u>MW-4-2</u>		<u>3:30</u>				<u>3</u>		
<u>E</u>	<u>MW-3-3</u>	<u>4/17</u>	<u>8:45</u>				<u>3</u>		
<u>F</u>	<u>MW-2-4</u>		<u>10:00</u>				<u>2</u>		
<u>G</u>	<u>MW-7-5</u>		<u>10:10</u>				<u>2</u>		
<u>H</u>	<u>MW-1-2</u>		<u>11:00</u>				<u>4</u>		<u>None</u>
<u>I</u>	<u>MW-1-4</u>		<u>11:10</u>				<u>2</u>		<u>MEOH</u>
<u>J</u>	<u>MW-1-5</u>		<u>11:20</u>				<u>2</u>		<u>MEOH</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  
UCC Rates  
Agent Status*

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

Relinquished By: (sign) *E. V...* Time Date Received By: (sign) \_\_\_\_\_ Time Date  
2:20 PM 4/17/14

Received in Laboratory By: *M...* Time: 14:27 Date: 4-17-14

# Synergy Environmental Lab,

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

DENNIS KOPATZ  
 DENNIS KOPATZ  
 N4510 SCHACT ROAD  
 MARINETTE, WI 54143

Report Date 09-Jul-14

Project Name KOPATZ PROPERTY  
 Project #

Invoice # E27202

Lab Code 5027202A  
 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	< 0.06	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	231	ug/L	4.8	15.4	1	200.7		7/7/2014	CWT	1
Organic										
VOC's										
Benzene	31.4	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	1.74	ug/l	0.33	1	1	8260B		6/26/2014	CJR	1
n-Butylbenzene	9.5	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

## Project #

Lab Code 5027202A

Sample ID MW-3

Sample Matrix Water

Sample Date 6/18/2014

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
1,3-Dichloropropane	< 0.33	ug/l	0.33		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	117	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	10.2	ug/l	0.3	0.96	1	8260B		6/26/2014	CJR	1
p-Isopropyltoluene	2.33	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	27	ug/l	1.7	5.5	1	8260B		6/26/2014	CJR	1
n-Propylbenzene	22.6	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	26.8	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	36	ug/l	2.2	6.9	1	8260B		6/26/2014	CJR	1
1,3,5-Trimethylbenzene	86	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	156	ug/l	0.69	2.2	1	8260B		6/26/2014	CJR	1
o-Xylene	8.1	ug/l	0.63	2	1	8260B		6/26/2014	CJR	1
SUR - Toluene-d8	103	REC %			1	8260B		6/26/2014	CJR	1
SUR - 1,2-Dichloroethane-d4	97	REC %			1	8260B		6/26/2014	CJR	1
SUR - 4-Bromofluorobenzene	96	REC %			1	8260B		6/26/2014	CJR	1
SUR - Dibromofluoromethane	98	REC %			1	8260B		6/26/2014	CJR	1
Wet Chemistry										
General										
Nitrite Plus Nitrate, Dissolved	< 0.15	mg/l	0.15	0.48	1	353.2		7/3/2014	MDK	1
Sulfate, Filtered	5.16	mg/l	1.89	6.01	1	ASTM D516-		6/24/2014	MDK	1

Project #

Lab Code 5027202B

Sample ID MW-5

Sample Matrix Water

Sample Date 6/18/2014

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
<b>Inorganic</b>										
<b>Metals</b>										
Iron, Dissolved	< 0.06	mg/l	0.06	0.21	1	200.7		7/7/2014	CWT	1
Lead, Dissolved	1.5 "J"	ug/L	0.7	2.5	1	7421		6/23/2014	CWT	1
Manganese, Dissolved	39.3	ug/L	4.8	15.4	1	200.7		7/7/2014	CWT	1
<b>Organic</b>										
<b>VOC's</b>										
Benzene	0.40 "J"	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	2.55 "J"	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 5027202B

Sample ID MW-5

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	100	REC %			1	8260B		6/26/2014	CJR	1
SUR - 4-Bromofluorobenzene	100	REC %			1	8260B		6/26/2014	CJR	1
SUR - Dibromofluoromethane	99	REC %			1	8260B		6/26/2014	CJR	1
SUR - Toluene-d8	99	REC %			1	8260B		6/26/2014	CJR	1
Wet Chemistry										
General										
Nitrite Plus Nitrate, Dissolved	2.87	mg/l	0.15	0.48	1	353.2		7/3/2014	MDK	1
Sulfate, Filtered	15.8	mg/l	1.89	6.01	1	ASTM D516-		6/24/2014	MDK	1

Project #

Lab Code 5027202C
Sample ID MW-6
Sample Matrix Water
Sample Date 6/18/2014

Table with columns: Result, Unit, LOD, LOQ, Dil, Method, Ext Date, Run Date, Analyst, Code. Rows are categorized into Inorganic (Metals) and Organic (VOC's) lists.

Project #

Lab Code 5027202C

Sample ID MW-6

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 - Dibromofluoromethane	102	REC %			1	8260B		6/26/2014	CJR	1
SUR - Toluene-d8	99	REC %			1	8260B		6/26/2014	CJR	1
SUR - 1,2-Dichloroethane-d4	106	REC %			1	8260B		6/26/2014	CJR	1
SUR - 4-Bromofluorobenzene	102	REC %			1	8260B		6/26/2014	CJR	1
Wet Chemistry										
General										
Nitrite Plus Nitrate, Dissolved	4.30	mg/l	0.15	0.48	1	353.2		7/3/2014	MDK	1
Sulfate, Filtered	16.4	mg/l	1.89	6.01	1	ASTM D516-		6/24/2014	MDK	1



## Project #

Lab Code 5027202D

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	363	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	2.89 "J"	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 5027202D

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	1	8260B		6/26/2014	CJR	1
SUR - 4-Bromofluorobenzene	101	REC %			1	8260B		6/26/2014	CJR	1
SUR - Dibromofluoromethane	99	REC %			1	8260B		6/26/2014	CJR	1
SUR - 1,2-Dichloroethane-d4	97	REC %			1	8260B		6/26/2014	CJR	1
SUR - Toluene-d8	96	REC %			1	8260B		6/26/2014	CJR	1
Wet Chemistry										
General										
Nitrite Plus Nitrate, Dissolved	< 0.15	mg/l	0.15	0.48	1	353.2		7/3/2014	MDK	1
Sulfate, Filtered	8.14	mg/l	1.89	6.01	1	ASTM D516-		6/24/2014	MDK	1



Project #

Lab Code 5027202E  
 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	930	ug/l	34.5	110	50	8260B		7/2/2014	CJR	1
o-Xylene	300	ug/l	31.5	100	50	8260B		7/2/2014	CJR	1
SUR - 1,2-Dichloroethane-J4	103	REC %			50	8260B		7/2/2014	CJR	1
SUR - 4-Bromofluorobenzene	91	REC %			50	8260B		7/2/2014	CJR	1
SUR - Dibromofluoromethane	100	REC %			50	8260B		7/2/2014	CJR	1
SUR - Toluene-d8	95	REC %			50	8260B		7/2/2014	CJR	1
Wet Chemistry										
General										
Nitrite Plus Nitrate, Dissolved	< 0.15	mg/l	0.15	0.48	1	353.2		7/3/2014	MDK	1
Sulfate, Filtered	30.2	mg/l	1.89	6.01	1	ASTM D516-		6/24/2014	MDK	1

Project Name KOPATZ PROPERTY  
Project #

Invoice # E27202

Lab Code 5027202F  
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	1.44	mg/l	0.06	0.21	1	200.7		7/7/2014	CWT	1
Lead, Dissolved	5.3	ug/L	0.7	2.5	1	7421		6/23/2014	CWT	1
Manganese, Dissolved	2840	ug/L	4.8	15.4	1	200.7		7/7/2014	CWT	1
Organic										
VOC's										
Benzene	540	ug/l	4.8	15.4	20	8260B		6/26/2014	CJR	1
Bromobenzene	< 6.4	ug/l	6.4	20	20	8260B		6/26/2014	CJR	1
Bromodichloromethane	< 7.4	ug/l	7.4	24	20	8260B		6/26/2014	CJR	1
Bromoform	< 7	ug/l	7	22	20	8260B		6/26/2014	CJR	1
tert-Butylbenzene	< 7.2	ug/l	7.2	24	20	8260B		6/26/2014	CJR	1
sec-Butylbenzene	< 6.6	ug/l	6.6	20	20	8260B		6/26/2014	CJR	1
n-Butylbenzene	18.2 "J"	ug/l	7	22	20	8260B		6/26/2014	CJR	1
Carbon Tetrachloride	< 6.6	ug/l	6.6	22	20	8260B		6/26/2014	CJR	1
Chlorobenzene	< 4.8	ug/l	4.8	15.4	20	8260B		6/26/2014	CJR	1
Chloroethane	< 12.6	ug/l	12.6	40	20	8260B		6/26/2014	CJR	1
Chloroform	< 5.6	ug/l	5.6	17.6	20	8260B		6/26/2014	CJR	1
Chloromethane	< 16.2	ug/l	16.2	52	20	8260B		6/26/2014	CJR	1
2-Chlorotoluene	< 4.2	ug/l	4.2	13.2	20	8260B		6/26/2014	CJR	1
4-Chlorotoluene	< 4.2	ug/l	4.2	13.6	20	8260B		6/26/2014	CJR	1
1,2-Dibromo-3-chloropropane	< 17.6	ug/l	17.6	56	20	8260B		6/26/2014	CJR	1
Dibromochloromethane	< 4.4	ug/l	4.4	14	20	8260B		6/26/2014	CJR	1
1,4-Dichlorobenzene	< 6	ug/l	6	19.2	20	8260B		6/26/2014	CJR	1
1,3-Dichlorobenzene	< 5.6	ug/l	5.6	17.8	20	8260B		6/26/2014	CJR	1
1,2-Dichlorobenzene	< 7.2	ug/l	7.2	24	20	8260B		6/26/2014	CJR	1
Dichlorodifluoromethane	< 8.8	ug/l	8.8	28	20	8260B		6/26/2014	CJR	1
1,2-Dichloroethane	< 8.2	ug/l	8.2	26	20	8260B		6/26/2014	CJR	1
1,1-Dichloroethane	< 6	ug/l	6	19.4	20	8260B		6/26/2014	CJR	1
1,1-Dichloroethene	< 8	ug/l	8	26	20	8260B		6/26/2014	CJR	1
cis-1,2-Dichloroethene	< 7.6	ug/l	7.6	24	20	8260B		6/26/2014	CJR	1
trans-1,2-Dichloroethene	< 7	ug/l	7	22	20	8260B		6/26/2014	CJR	1
1,2-Dichloropropane	< 6.4	ug/l	6.4	20	20	8260B		6/26/2014	CJR	1
2,2-Dichloropropane	< 7.2	ug/l	7.2	24	20	8260B		6/26/2014	CJR	8
1,3-Dichloropropane	< 6.6	ug/l	6.6	20	20	8260B		6/26/2014	CJR	1
Di-isopropyl ether	< 4.6	ug/l	4.6	14.6	20	8260B		6/26/2014	CJR	1
EDB (1,2-Dibromoethane)	< 8.8	ug/l	8.8	28	20	8260B		6/26/2014	CJR	1
Ethylbenzene	350	ug/l	11	34	20	8260B		6/26/2014	CJR	1
Hexachlorobutadiene	< 30	ug/l	30	96	20	8260B		6/26/2014	CJR	1
Isopropylbenzene	15.2 "J"	ug/l	6	19.2	20	8260B		6/26/2014	CJR	1
p-Isopropyltoluene	< 6.2	ug/l	6.2	19.6	20	8260B		6/26/2014	CJR	1
Methylene chloride	< 10	ug/l	10	32	20	8260B		6/26/2014	CJR	1
Methyl tert-butyl ether (MTBE)	< 4.6	ug/l	4.6	14.8	20	8260B		6/26/2014	CJR	1
Naphthalene	274	ug/l	34	110	20	8260B		6/26/2014	CJR	1
n-Propylbenzene	40	ug/l	5	16.2	20	8260B		6/26/2014	CJR	1
1,1,2,2-Tetrachloroethane	< 9	ug/l	9	28	20	8260B		6/26/2014	CJR	1
1,1,1,2-Tetrachloroethane	< 6.6	ug/l	6.6	22	20	8260B		6/26/2014	CJR	1
Tetrachloroethene	< 6.6	ug/l	6.6	22	20	8260B		6/26/2014	CJR	1
Toluene	2730	ug/l	13.8	44	20	8260B		6/26/2014	CJR	1
1,2,4-Trichlorobenzene	< 19.6	ug/l	19.6	62	20	8260B		6/26/2014	CJR	1
1,2,3-Trichlorobenzene	< 36	ug/l	36	116	20	8260B		6/26/2014	CJR	1
1,1,1-Trichloroethane	< 6.6	ug/l	6.6	20	20	8260B		6/26/2014	CJR	1
1,1,2-Trichloroethane	< 6.8	ug/l	6.8	22	20	8260B		6/26/2014	CJR	1
Trichloroethene (TCE)	< 6.6	ug/l	6.6	20	20	8260B		6/26/2014	CJR	1
Trichlorofluoromethane	< 14.2	ug/l	14.2	46	20	8260B		6/26/2014	CJR	1
1,2,4-Trimethylbenzene	430	ug/l	44	138	20	8260B		6/26/2014	CJR	1
1,3,5-Trimethylbenzene	114	ug/l	28	90	20	8260B		6/26/2014	CJR	1
Vinyl Chloride	< 3.6	ug/l	3.6	11.4	20	8260B		6/26/2014	CJR	1

Project #

Lab Code 5027202F

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	1650	ug/l	13.8	44	20	8260B		6/26/2014	CJR	1
o-Xylene	830	ug/l	12.6	40	20	8260B		6/26/2014	CJR	1
SUR - Toluene-d8	98	REC %			20	8260B		6/26/2014	CJR	1
SUR - Dibromofluoromethane	100	REC %			20	8260B		6/26/2014	CJR	1
SUR - 4-Bromofluorobenzene	101	REC %			20	8260B		6/26/2014	CJR	1
SUR - 1,2-Dichloroethane-d4	95	REC %			20	8260B		6/26/2014	CJR	1
Wet Chemistry										
General										
Nitrite Plus Nitrate, Dissolved	< 0.15	mg/l	0.15	0.48	1	353.2		7/3/2014	MDK	1
Sulfate, Filtered	61.8	mg/l	3.78	12.02	2	ASTM D516-		6/24/2014	MDK	3







Project #

Lab Code 5027202I  
 Sample ID W8302 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	1.0 "J"	ug/l	0.7	2.3	1	3113B		6/24/2014	CWT	1
Organic										
VOC's										
Benzene	< 0.24	ug/l	0.24	0.77	1	524.2		6/25/2014	CJR	1
Bromobenzene	< 0.33	ug/l	0.33	1	1	524.2		6/25/2014	CJR	1
Bromodichloromethane	< 0.27	ug/l	0.27	0.85	1	524.2		6/25/2014	CJR	1
Bromoform	< 0.34	ug/l	0.34	1.1	1	524.2		6/25/2014	CJR	1
Bromomethane	< 0.98	ug/l	0.98	3.1	1	524.2		6/25/2014	CJR	1
Carbon Tetrachloride	< 0.25	ug/l	0.25	0.81	1	524.2		6/25/2014	CJR	1
Chlorobenzene	< 0.24	ug/l	0.24	0.77	1	524.2		6/25/2014	CJR	1
Chloroethane	< 0.62	ug/l	0.62	2	1	524.2		6/25/2014	CJR	1
Chloroform	< 0.28	ug/l	0.28	0.88	1	524.2		6/25/2014	CJR	1
Chloromethane	< 0.81	ug/l	0.81	2.6	1	524.2		6/25/2014	CJR	1
2-Chlorotoluene	< 0.35	ug/l	0.35	1.1	1	524.2		6/25/2014	CJR	1
4-Chlorotoluene	< 0.29	ug/l	0.29	0.91	1	524.2		6/25/2014	CJR	1
Dibromochloromethane	< 0.2	ug/l	0.2	0.64	1	524.2		6/25/2014	CJR	1
Dibromomethane	< 0.41	ug/l	0.41	1.3	1	524.2		6/25/2014	CJR	1
1,4-Dichlorobenzene	< 0.25	ug/l	0.25	0.8	1	524.2		6/25/2014	CJR	1
1,3-Dichlorobenzene	< 0.3	ug/l	0.3	0.96	1	524.2		6/25/2014	CJR	1
1,2-Dichlorobenzene	< 0.28	ug/l	0.28	0.88	1	524.2		6/25/2014	CJR	1
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.85	1	524.2		6/25/2014	CJR	1
1,2-Dichloroethane	< 0.41	ug/l	0.41	1.3	1	524.2		6/25/2014	CJR	1
1,1-Dichloroethane	< 0.3	ug/l	0.3	0.97	1	524.2		6/25/2014	CJR	1
1,1-Dichloroethene	< 0.31	ug/l	0.31	0.99	1	524.2		6/25/2014	CJR	1
cis-1,2-Dichloroethene	< 0.32	ug/l	0.32	1	1	524.2		6/25/2014	CJR	1
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.8	1	524.2		6/25/2014	CJR	1
1,2-Dichloropropane	< 0.32	ug/l	0.32	1	1	524.2		6/25/2014	CJR	1
2,2-Dichloropropane	< 0.45	ug/l	0.45	1.4	1	524.2		6/25/2014	CJR	1
1,3-Dichloropropane	< 0.26	ug/l	0.26	0.82	1	524.2		6/25/2014	CJR	1
trans-1,3-Dichloropropene	< 0.22	ug/l	0.22	0.69	1	524.2		6/25/2014	CJR	1
cis-1,3-Dichloropropene	< 0.2	ug/l	0.2	0.63	1	524.2		6/25/2014	CJR	1
1,1-Dichloropropene	< 0.34	ug/l	0.34	1.1	1	524.2		6/25/2014	CJR	1
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 5027202J  
 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	101	REC %				8260B		6/26/2014	CJR	1
SUR - 1,2-Dichloroethane-d4	95	REC %				8260B		6/26/2014	CJR	1
SUR - 4-Bromofluorobenzene	103	REC %				8260B		6/26/2014	CJR	1
SUR - Dibromofluoromethane	99	REC %				8260B		6/26/2014	CJR	1

**Project Name** KOPATZ PROPERTY  
**Project #**

**Invoice #** E27202

"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*

# Synergy

Chain # No 2521

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) *Be...*

Project (Name / Location): Kopatz Property - Crivitz  
Reports To: Dennis Kopatz Invoice To: Dennis Kopatz c/o METCO  
Company: \_\_\_\_\_ Company: METCO  
Address: N4510 Schacht Rd Address: 709 Gillette St, Ste. 3  
City State Zip: Marinette, WI 54143 City State Zip: La Crosse, WI 54603  
Phone: \_\_\_\_\_ Phone: \_\_\_\_\_  
FAX: \_\_\_\_\_ FAX: \_\_\_\_\_

**Analysis Requested**

**Other Analysis**

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)	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/ FID
S027202A	MW-3	6/18	510			Y	6	GW				X	X					X			X	X	X	X	
B	MW-5		525									X	X					X			X	X	X	X	
C	MW-6		545									X	X					X			X	X	X	X	
D	MW-4		600									X	X					X			X	X	X	X	
E	MW-2		615									X	X					X			X	X	X	X	
F	MW-1		630									X	X					X			X	X	X	X	
G	W8318 PW		415				4	DW				X	X					X	X						
H	W8308 PW		435									X	X					X	X						
I	W8302 PW		455									X	X					X	X						
J	TB						1					X	X					X	X						

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  
Ut c Rates Apply, TB can be charged at the VOC (8260) rate*

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

Relinquished By: (sign) *Be...* Time: 10:00 Date: 6/20/14  
Received By: (sign) *Christina...* Time: 10:00 Date: 6/2/14

# Synergy Environmental Lab,

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

DENNIS KOPATZ  
DENNIS KOPATZ  
N4510 SCHACT ROAD  
MARINETTE, WI 54143

Report Date 03-Oct-14

Project Name KOPATZ PROPERTY-CRIVITZ  
Project #

Invoice # E27729

Lab Code 5027729A  
Sample ID MW-5  
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	9/26/2014	9/26/2014	CJR	1
Ethylbenzene	< 0.82	ug/l	0.82	2.6	1	GRO95/8021	9/26/2014	9/26/2014	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.37	ug/l	0.37	1.2	1	GRO95/8021	9/26/2014	9/26/2014	CJR	1
Naphthalene	< 1.2	ug/l	1.2	3.8	1	GRO95/8021	9/26/2014	9/26/2014	CJR	1
Toluene	< 0.8	ug/l	0.8	2.6	1	GRO95/8021	9/26/2014	9/26/2014	CJR	1
1,2,4-Trimethylbenzene	< 0.83	ug/l	0.83	2.6	1	GRO95/8021	9/26/2014	9/26/2014	CJR	1
1,3,5-Trimethylbenzene	< 0.86	ug/l	0.86	2.7	1	GRO95/8021	9/26/2014	9/26/2014	CJR	1
m&p-Xylene	< 1.6	ug/l	1.6	5.2	1	GRO95/8021	9/26/2014	9/26/2014	CJR	1
o-Xylene	< 0.81	ug/l	0.81	2.6	1	GRO95/8021	9/26/2014	9/26/2014	CJR	1

Lab Code 5027729B  
Sample ID MW-6  
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	9/26/2014	9/26/2014	CJR	1
Ethylbenzene	< 0.82	ug/l	0.82	2.6	1	GRO95/8021	9/26/2014	9/26/2014	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.37	ug/l	0.37	1.2	1	GRO95/8021	9/26/2014	9/26/2014	CJR	1
Naphthalene	< 1.2	ug/l	1.2	3.8	1	GRO95/8021	9/26/2014	9/26/2014	CJR	1
Toluene	< 0.8	ug/l	0.8	2.6	1	GRO95/8021	9/26/2014	9/26/2014	CJR	1
1,2,4-Trimethylbenzene	< 0.83	ug/l	0.83	2.6	1	GRO95/8021	9/26/2014	9/26/2014	CJR	1
1,3,5-Trimethylbenzene	< 0.86	ug/l	0.86	2.7	1	GRO95/8021	9/26/2014	9/26/2014	CJR	1
m&p-Xylene	< 1.6	ug/l	1.6	5.2	1	GRO95/8021	9/26/2014	9/26/2014	CJR	1
o-Xylene	< 0.81	ug/l	0.81	2.6	1	GRO95/8021	9/26/2014	9/26/2014	CJR	1

Project #

Lab Code 5027729C  
 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		9/26/2014	CJR	1
Ethylbenzene	< 0.82	ug/l	0.82	2.6	1	GRO95/8021		9/26/2014	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.37	ug/l	0.37	1.2	1	GRO95/8021		9/26/2014	CJR	1
Naphthalene	< 1.2	ug/l	1.2	3.8	1	GRO95/8021		9/26/2014	CJR	1
Toluene	< 0.8	ug/l	0.8	2.6	1	GRO95/8021		9/26/2014	CJR	1
1,2,4-Trimethylbenzene	< 0.83	ug/l	0.83	2.6	1	GRO95/8021		9/26/2014	CJR	1
1,3,5-Trimethylbenzene	< 0.86	ug/l	0.86	2.7	1	GRO95/8021		9/26/2014	CJR	1
m&p-Xylene	< 1.6	ug/l	1.6	5.2	1	GRO95/8021		9/26/2014	CJR	1
o-Xylene	< 0.81	ug/l	0.81	2.6	1	GRO95/8021		9/26/2014	CJR	1

Lab Code 5027729D  
 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	18.9	ug/l	0.27	0.85	1	GRO95/8021		9/27/2014	CJR	1
Ethylbenzene	214	ug/l	0.82	2.6	1	GRO95/8021		9/27/2014	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.37	ug/l	0.37	1.2	1	GRO95/8021		9/27/2014	CJR	1
Naphthalene	66	ug/l	1.2	3.8	1	GRO95/8021		9/27/2014	CJR	1
Toluene	33	ug/l	0.8	2.6	1	GRO95/8021		9/27/2014	CJR	1
1,2,4-Trimethylbenzene	34	ug/l	0.83	2.6	1	GRO95/8021		9/27/2014	CJR	1
1,3,5-Trimethylbenzene	131	ug/l	0.86	2.7	1	GRO95/8021		9/27/2014	CJR	1
m&p-Xylene	143	ug/l	1.6	5.2	1	GRO95/8021		9/27/2014	CJR	1
o-Xylene	9.5	ug/l	0.81	2.6	1	GRO95/8021		9/27/2014	CJR	1

Lab Code 5027729E  
 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	98	ug/l	2.7	8.5	10	GRO95/8021		9/27/2014	CJR	1
Ethylbenzene	2480	ug/l	8.2	26	10	GRO95/8021		9/27/2014	CJR	1
Methyl tert-butyl ether (MTBE)	< 3.7	ug/l	3.7	12	10	GRO95/8021		9/27/2014	CJR	1
Naphthalene	680	ug/l	12	38	10	GRO95/8021		9/27/2014	CJR	1
Toluene	5100	ug/l	8	26	10	GRO95/8021		9/27/2014	CJR	1
1,2,4-Trimethylbenzene	1880	ug/l	8.3	26	10	GRO95/8021		9/27/2014	CJR	1
1,3,5-Trimethylbenzene	830	ug/l	8.6	27	10	GRO95/8021		9/27/2014	CJR	1
m&p-Xylene	5800	ug/l	16	52	10	GRO95/8021		9/27/2014	CJR	1
o-Xylene	910	ug/l	8.1	26	10	GRO95/8021		9/27/2014	CJR	1

Project #

Lab Code 5027729F

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	750	ug/l	5.4	17	20	GRO95/8021		10/2/2014	CJR	1
Ethylbenzene	370	ug/l	16.4	52	20	GRO95/8021		10/2/2014	CJR	1
Methyl tert-butyl ether (MTBE)	< 7.4	ug/l	7.4	24	20	GRO95/8021		10/2/2014	CJR	1
Naphthalene	143	ug/l	24	76	20	GRO95/8021		10/2/2014	CJR	1
Toluene	2490	ug/l	16	52	20	GRO95/8021		10/2/2014	CJR	1
1,2,4-Trimethylbenzene	370	ug/l	16.6	52	20	GRO95/8021		10/2/2014	CJR	1
1,3,5-Trimethylbenzene	107	ug/l	17.2	54	20	GRO95/8021		10/2/2014	CJR	1
m&p-Xylene	1620	ug/l	32	104	20	GRO95/8021		10/2/2014	CJR	1
o-Xylene	690	ug/l	16.2	52	20	GRO95/8021		10/2/2014	CJR	1

Project #

Lab Code 5027729G  
 Sample ID W8305 PW  
 Sample Matrix Drinking Water  
 Sample Date 9/18/2014

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



Project #

Lab Code 5027729H  
Sample ID W8317 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 50277291  
 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*

# Synergy

Lab ID #  
 Account No. Quote No.:  
 Project #  
 Sampler Signature: *Jon Gunn*

*Environmental, 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) *Koputz Property - Crutiz*  
 Reports To: *Dennis Koputz* Invoice To: *Dennis Koputz c/o METCO*  
 Company: *METCO*  
 Address: *N4510 Schacht Rd* Address: *707 Glette St. Ste. 3*  
 City/State/Zip: *Munawate, WI 54143* City/State/Zip: *La Crosse, WI 54603*  
 Phone: \_\_\_\_\_ Phone: \_\_\_\_\_  
 FAX: \_\_\_\_\_ FAX: \_\_\_\_\_

**Analysis Requested**

**Other Analysis**

Lab I.D.	Sample ID	Collection		Comp.	Grab	Filtered Y/N	No. of Containers	Sample Type (Matrix)	Preservation	CRO (MCA DRO 590 35)	SFO (Mod GRO 590 35)	LEAD	NITRATE/NITRITE	OIL & GREASE	PAH (EPA 8270)	PCB	PVC (EPA 8021)	PVOC + NAPHTHALENE	SULFATE	TOTAL SUSPENDED SOLIDS	VOC DW (EPA 542 2)	VOC (EPA 8260)	B-PCRA METALS	PID/ FID	
		Date	Time																						
<i>302729A</i>	<i>MW-5</i>	<i>7-18</i>	<i>3:22</i>			<i>N</i>	<i>3</i>	<i>GW</i>																	
<i>B</i>	<i>MW-6</i>		<i>3:20</i>																						
<i>C</i>	<i>MW-4</i>		<i>3:15</i>																						
<i>D</i>	<i>MW-3</i>		<i>4:20</i>																						
<i>E</i>	<i>MW-2</i>		<i>4:10</i>																						
<i>F</i>	<i>MW-1</i>		<i>4:30</i>																						
<i>G</i>	<i>W3305 PN</i>		<i>5:00</i>					<i>DW</i>													<i>X</i>				
<i>H</i>	<i>W337 PN</i>		<i>5:00</i>																		<i>X</i>				
<i>I</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)*  
*etc rates apply + Agent status, TB can be charged at the PVOC + Naphthalene rate.*

Sample Integrity - To be completed by receiving lab.

Requested By (sign) *Jon Gunn* Time *9:00* Date *7-19-14* Received By (sign) \_\_\_\_\_ Time \_\_\_\_\_ Date \_\_\_\_\_

Method of Shipment: *Dunham*

Temp. of Temp. Blank *4* °C On Ice:

Cooler seal intact upon receipt:  Yes  No

Received in Laboratory By *[Signature]* Time *10:00* Date *7/20/14*

# Synergy Environmental Lab,

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

DENNIS KOPATZ  
 DENNIS KOPATZ  
 N4510 SCHACT ROAD  
 MARINETTE, WI 54143

Report Date 29-May-15

Project Name KOPATZ PROPERTY  
 Project #

Invoice # E28932

Lab Code 5028932A  
 Sample ID TRIP BLANK  
 Sample Matrix Water  
 Sample Date 5/18/2015

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	< 0.46	ug/l	0.46	1.5	1	GRO95-8021		5/27/2015	LPA	1
Ethylbenzene	< 0.73	ug/l	0.73	2.3	1	GRO95-8021		5/27/2015	LPA	1
Methyl tert-butyl ether (MTBE)	< 0.49	ug/l	0.49	1.6	1	GRO95-8021		5/27/2015	LPA	1
Naphthalene	< 2.6	ug/l	2.6	8.3	1	GRO95-8021		5/27/2015	LPA	1
Toluene	< 0.39	ug/l	0.39	1.2	1	GRO95-8021		5/27/2015	LPA	1
1,2,4-Trimethylbenzene	< 0.68	ug/l	0.68	2.2	1	GRO95-8021		5/27/2015	LPA	1
1,3,5-Trimethylbenzene	< 0.83	ug/l	0.83	2.6	1	GRO95-8021		5/27/2015	LPA	1
m&p-Xylene	< 1.4	ug/l	1.4	4.4	1	GRO95-8021		5/27/2015	LPA	1
o-Xylene	< 0.66	ug/l	0.66	2.1	1	GRO95-8021		5/27/2015	LPA	1

Lab Code 5028932B  
 Sample ID SUMP  
 Sample Matrix Water  
 Sample Date 5/18/2015

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	22.1	ug/l	0.46	1.5	1	GRO95/8021		5/27/2015	LPA	1
Ethylbenzene	30	ug/l	0.73	2.3	1	GRO95/8021		5/27/2015	LPA	1
Methyl tert-butyl ether (MTBE)	< 0.49	ug/l	0.49	1.6	1	GRO95-8021		5/27/2015	LPA	1
Naphthalene	6.7 "J"	ug/l	2.6	8.3	1	GRO95/8021		5/27/2015	LPA	1
Toluene	238	ug/l	0.39	1.2	1	GRO95/8021		5/27/2015	LPA	1
1,2,4-Trimethylbenzene	22.7	ug/l	0.68	2.2	1	GRO95/8021		5/27/2015	LPA	1
1,3,5-Trimethylbenzene	5.0	ug/l	0.83	2.6	1	GRO95/8021		5/27/2015	LPA	1
m&p-Xylene	160	ug/l	1.4	4.4	1	GRO95/8021		5/27/2015	LPA	1
o-Xylene	77	ug/l	0.66	2.1	1	GRO95-8021		5/27/2015	LPA	1

**Project Name** KOPATZ PROPERTY  
**Project #**

**Invoice #** E28932

"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 STUDY RECORD

# Synergy

Chain # 3041

Page 1 of 1

Lab I.D. # \_\_\_\_\_  
 Account No. \_\_\_\_\_ Quote No. \_\_\_\_\_  
 Project #: \_\_\_\_\_  
 Sampler requested: \_\_\_\_\_

*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): Kopatz Property

Reports To: ~~Greg Kopatz~~  
 Company: Dennis Kopatz  
 Address: N4510 Schacht Rd  
 City State Zip: Marine WI 54143  
 Phone: (920) 319-6750  
 FAX: \_\_\_\_\_

Invoice To: Dennis Kopatz  
 Company: c/o METCO  
 Address: 704 Gillett St, Ste 3  
 City State Zip: La Crosse WI 54603  
 Phone: (608) 781-8379  
 FAX: 8893

Analysis Requested

Other Analysis

Lab I.D.	Sample I.D.	Collection Date	Time	Comp	Grab	Filtered Y/N	No. of Containers	Sample Type (Matrix)	Preservation	DPO (Mod DPO 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-PCRA METALS	FID	FID
<u>5028932A</u>	<u>Trip Blank</u>	<u>5/19/15</u>					<u>1</u>		<u>HCl</u>																
<u>B</u>	<u>Sump</u>	<u>5/19/15</u>	<u>11:40</u>		<u>X</u>	<u>N</u>	<u>3</u>	<u>GW</u>	<u>HCl</u>									<u>X</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.  
Use C Rates  
Asent Status

Sample Integrity - To be completed by receiving lab.

Method of Shipment: Client

Temp. of Temp. Blank: \_\_\_\_\_ °C On Ice

Cooler seal intact upon receipt:  Yes \_\_\_\_\_ No

Requisitioned By (sign): \_\_\_\_\_

Time Date

5/19/15 3:35 PM

Received By (sign): \_\_\_\_\_

Time Date

Received in Laboratory By: \_\_\_\_\_

Time 5:50

Date 5/19/15

# Synergy Environmental Lab,

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

DENNIS KOPATZ  
 DENNIS KOPATZ  
 N4510 SCHACT ROAD  
 MARINETTE, WI 54143

Report Date 04-Jun-15

Project Name KOPATZ PROPERTY  
 Project #

Invoice # E28982

Lab Code 5028982A  
 Sample ID W8317  
 Sample Matrix Water  
 Sample Date 5/26/2015

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Inorganic										
Metals										
Lead, Dissolved	< 0.7	ug/L	0.7	2.5	1	7421		5/29/2015	CWT	I
Organic										
VOC's										
Benzene	< 0.44	ug/l	0.44	1.4	1	8260B		6/2/2015	CJR	I
Bromobenzene	< 0.48	ug/l	0.48	1.5	1	8260B		6/2/2015	CJR	I
Bromodichloromethane	< 0.46	ug/l	0.46	1.5	1	8260B		6/2/2015	CJR	I
Bromoform	< 0.46	ug/l	0.46	1.5	1	8260B		6/2/2015	CJR	I
tert-Butylbenzene	< 1.1	ug/l	1.1	3.4	1	8260B		6/2/2015	CJR	I
sec-Butylbenzene	< 1.2	ug/l	1.2	3.8	1	8260B		6/2/2015	CJR	I
n-Butylbenzene	< 1	ug/l	1	3.3	1	8260B		6/2/2015	CJR	I
Carbon Tetrachloride	< 0.65	ug/l	0.65	2.1	1	8260B		6/2/2015	CJR	I
Chlorobenzene	< 0.46	ug/l	0.46	1.4	1	8260B		6/2/2015	CJR	I
Chloroethane	< 0.65	ug/l	0.65	2.1	1	8260B		6/2/2015	CJR	I
Chloroform	< 0.43	ug/l	0.43	1.4	1	8260B		6/2/2015	CJR	I
Chloromethane	< 1.9	ug/l	1.9	6	1	8260B		6/2/2015	CJR	I
2-Chlorotoluene	< 0.4	ug/l	0.4	1.3	1	8260B		6/2/2015	CJR	I
4-Chlorotoluene	< 0.63	ug/l	0.63	2	1	8260B		6/2/2015	CJR	I
1,2-Dibromo-3-chloropropane	< 1.4	ug/l	1.4	4.5	1	8260B		6/2/2015	CJR	I
Dibromochloromethane	< 0.45	ug/l	0.45	1.4	1	8260B		6/2/2015	CJR	I
1,4-Dichlorobenzene	< 0.49	ug/l	0.49	1.6	1	8260B		6/2/2015	CJR	I
1,3-Dichlorobenzene	< 0.52	ug/l	0.52	1.6	1	8260B		6/2/2015	CJR	I
1,2-Dichlorobenzene	< 0.46	ug/l	0.46	1.5	1	8260B		6/2/2015	CJR	I
Dichlorodifluoromethane	< 0.87	ug/l	0.87	2.8	1	8260B		6/2/2015	CJR	I
1,2-Dichloroethane	< 0.54	ug/l	0.54	1.7	1	8260B		6/2/2015	CJR	I
1,1-Dichloroethane	< 1.1	ug/l	1.1	3.6	1	8260B		6/2/2015	CJR	I
1,1-Dichloroethene	< 0.65	ug/l	0.65	2.1	1	8260B		6/2/2015	CJR	I
cis-1,2-Dichloroethene	< 0.45	ug/l	0.45	1.4	1	8260B		6/2/2015	CJR	I
trans-1,2-Dichloroethene	< 0.54	ug/l	0.54	1.7	1	8260B		6/2/2015	CJR	I
1,2-Dichloropropane	< 0.43	ug/l	0.43	1.37	1	8260B		6/2/2015	CJR	I
2,2-Dichloropropane	< 3.1	ug/l	3.1	9.8	1	8260B		6/2/2015	CJR	I
1,3-Dichloropropane	< 0.42	ug/l	0.42	1.3	1	8260B		6/2/2015	CJR	I
Di-isopropyl ether	< 0.44	ug/l	0.44	1.4	1	8260B		6/2/2015	CJR	I

Project Name KOPATZ PROPERTY  
 Project #

Invoice # E28982

Lab Code 5028982A  
 Sample ID W8317  
 Sample Matrix Water  
 Sample Date 5/26/2015

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
EDB (1,2-Dibromoethane)	< 0.63	ug/l	0.63	2	1	8260B	6/2/2015	6/2/2015	CJR	1
Ethylbenzene	< 0.71	ug/l	0.71	2.3	1	8260B	6/2/2015	6/2/2015	CJR	1
Hexachlorobutadiene	< 2.2	ug/l	2.2	7.1	1	8260B	6/2/2015	6/2/2015	CJR	1
Isopropylbenzene	< 0.82	ug/l	0.82	2.6	1	8260B	6/2/2015	6/2/2015	CJR	1
p-Isopropyltoluene	< 1.1	ug/l	1.1	3.5	1	8260B	6/2/2015	6/2/2015	CJR	1
Methylene chloride	< 1.3	ug/l	1.3	4.2	1	8260B	6/2/2015	6/2/2015	CJR	1
Methyl tert-butyl ether (MTBE)	< 1.1	ug/l	1.1	3.7	1	8260B	6/2/2015	6/2/2015	CJR	1
Naphthalene	< 1.6	ug/l	1.6	5.2	1	8260B	6/2/2015	6/2/2015	CJR	1
n-Propylbenzene	< 0.77	ug/l	0.77	2.4	1	8260B	6/2/2015	6/2/2015	CJR	1
1,1,2,2-Tetrachloroethane	< 0.52	ug/l	0.52	1.7	1	8260B	6/2/2015	6/2/2015	CJR	1
1,1,1,2-Tetrachloroethane	< 0.48	ug/l	0.48	1.5	1	8260B	6/2/2015	6/2/2015	CJR	1
Tetrachloroethene	< 0.74	ug/l	0.74	2.4	1	8260B	6/2/2015	6/2/2015	CJR	1
Toluene	< 0.44	ug/l	0.44	1.4	1	8260B	6/2/2015	6/2/2015	CJR	1
1,2,4-Trichlorobenzene	< 1.7	ug/l	1.7	5.6	1	8260B	6/2/2015	6/2/2015	CJR	1
1,2,3-Trichlorobenzene	< 2.7	ug/l	2.7	8.6	1	8260B	6/2/2015	6/2/2015	CJR	1
1,1,1-Trichloroethane	< 0.84	ug/l	0.84	2.7	1	8260B	6/2/2015	6/2/2015	CJR	1
1,1,2-Trichloroethane	< 0.48	ug/l	0.48	1.52	1	8260B	6/2/2015	6/2/2015	CJR	1
Trichloroethene (TCE)	< 0.47	ug/l	0.47	1.5	1	8260B	6/2/2015	6/2/2015	CJR	1
Trichlorofluoromethane	< 0.87	ug/l	0.87	2.8	1	8260B	6/2/2015	6/2/2015	CJR	1
1,2,4-Trimethylbenzene	< 1.6	ug/l	1.6	5	1	8260B	6/2/2015	6/2/2015	CJR	1
1,3,5-Trimethylbenzene	1.5	ug/l	1.5	4.8	1	8260B	6/2/2015	6/2/2015	CJR	1
Vinyl Chloride	< 0.17	ug/l	0.17	0.54	1	8260B	6/2/2015	6/2/2015	CJR	1
m&p-Xylene	< 2.2	ug/l	2.2	6.9	1	8260B	6/2/2015	6/2/2015	CJR	1
o-Xylene	< 0.9	ug/l	0.9	2.9	1	8260B	6/2/2015	6/2/2015	CJR	1
SUR - Toluene-d8	91	REC %				8260B	6/2/2015	6/2/2015	CJR	1
SUR - Dibromofluoromethane	97	REC %				8260B	6/2/2015	6/2/2015	CJR	1
SUR - 4-Bromofluorobenzene	98	REC %				8260B	6/2/2015	6/2/2015	CJR	1
SUR - 1,2-Dichloroethane-d4	99	REC %				8260B	6/2/2015	6/2/2015	CJR	1



Project Name KOPATZ PROPERTY  
 Project #

Invoice # E28982

Lab Code 5028982B  
 Sample ID MW-8  
 Sample Matrix Water  
 Sample Date 5/26/2015

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Inorganic										
Metals										
Lead, Dissolved	< 0.7	ug/L	0.7	2.5	1	7421		5/29/2015	CWT	1
Organic										
VOC's										
Benzene	< 0.44	ug/l	0.44	1.4	1	8260B		6/2/2015	CJR	1
Bromobenzene	< 0.48	ug/l	0.48	1.5	1	8260B		6/2/2015	CJR	1
Bromodichloromethane	< 0.46	ug/l	0.46	1.5	1	8260B		6/2/2015	CJR	1
Bromoform	< 0.46	ug/l	0.46	1.5	1	8260B		6/2/2015	CJR	1
tert-Butylbenzene	< 1.1	ug/l	1.1	3.4	1	8260B		6/2/2015	CJR	1
sec-Butylbenzene	< 1.2	ug/l	1.2	3.8	1	8260B		6/2/2015	CJR	1
n-Butylbenzene	< 1	ug/l	1	3.3	1	8260B		6/2/2015	CJR	1
Carbon Tetrachloride	< 0.65	ug/l	0.65	2.1	1	8260B		6/2/2015	CJR	1
Chlorobenzene	< 0.46	ug/l	0.46	1.4	1	8260B		6/2/2015	CJR	1
Chloroethane	< 0.65	ug/l	0.65	2.1	1	8260B		6/2/2015	CJR	1
Chloroform	< 0.43	ug/l	0.43	1.4	1	8260B		6/2/2015	CJR	1
Chloromethane	< 1.9	ug/l	1.9	6	1	8260B		6/2/2015	CJR	1
2-Chlorotoluene	< 0.4	ug/l	0.4	1.3	1	8260B		6/2/2015	CJR	1
4-Chlorotoluene	< 0.63	ug/l	0.63	2	1	8260B		6/2/2015	CJR	1
1,2-Dibromo-3-chloropropane	< 1.4	ug/l	1.4	4.5	1	8260B		6/2/2015	CJR	1
Dibromochloromethane	< 0.45	ug/l	0.45	1.4	1	8260B		6/2/2015	CJR	1
1,4-Dichlorobenzene	< 0.49	ug/l	0.49	1.6	1	8260B		6/2/2015	CJR	1
1,3-Dichlorobenzene	< 0.52	ug/l	0.52	1.6	1	8260B		6/2/2015	CJR	1
1,2-Dichlorobenzene	< 0.46	ug/l	0.46	1.5	1	8260B		6/2/2015	CJR	1
Dichlorodifluoromethane	< 0.87	ug/l	0.87	2.8	1	8260B		6/2/2015	CJR	1
1,2-Dichloroethane	< 0.54	ug/l	0.54	1.7	1	8260B		6/2/2015	CJR	1
1,1-Dichloroethane	< 1.1	ug/l	1.1	3.6	1	8260B		6/2/2015	CJR	1
1,1-Dichloroethene	< 0.65	ug/l	0.65	2.1	1	8260B		6/2/2015	CJR	1
cis-1,2-Dichloroethene	< 0.45	ug/l	0.45	1.4	1	8260B		6/2/2015	CJR	1
trans-1,2-Dichloroethene	< 0.54	ug/l	0.54	1.7	1	8260B		6/2/2015	CJR	1
1,2-Dichloropropane	< 0.43	ug/l	0.43	1.37	1	8260B		6/2/2015	CJR	1
2,2-Dichloropropane	< 3.1	ug/l	3.1	9.8	1	8260B		6/2/2015	CJR	1
1,3-Dichloropropane	< 0.42	ug/l	0.42	1.3	1	8260B		6/2/2015	CJR	1
Di-isopropyl ether	< 0.44	ug/l	0.44	1.4	1	8260B		6/2/2015	CJR	1
EDB (1,2-Dibromoethane)	< 0.63	ug/l	0.63	2	1	8260B		6/2/2015	CJR	1
Ethylbenzene	< 0.71	ug/l	0.71	2.3	1	8260B		6/2/2015	CJR	1
Hexachlorobutadiene	< 2.2	ug/l	2.2	7.1	1	8260B		6/2/2015	CJR	1
Isopropylbenzene	< 0.82	ug/l	0.82	2.6	1	8260B		6/2/2015	CJR	1
p-Isopropyltoluene	1.3 "J"	ug/l	1.1	3.5	1	8260B		6/2/2015	CJR	1
Methylene chloride	< 1.3	ug/l	1.3	4.2	1	8260B		6/2/2015	CJR	1
Methyl tert-butyl ether (MTBE)	< 1.1	ug/l	1.1	3.7	1	8260B		6/2/2015	CJR	1
Naphthalene	< 1.6	ug/l	1.6	5.2	1	8260B		6/2/2015	CJR	1
n-Propylbenzene	< 0.77	ug/l	0.77	2.4	1	8260B		6/2/2015	CJR	1
1,1,2,2-Tetrachloroethane	< 0.52	ug/l	0.52	1.7	1	8260B		6/2/2015	CJR	1
1,1,1,2-Tetrachloroethane	< 0.48	ug/l	0.48	1.5	1	8260B		6/2/2015	CJR	1
Tetrachloroethene	< 0.74	ug/l	0.74	2.4	1	8260B		6/2/2015	CJR	1
Toluene	< 0.44	ug/l	0.44	1.4	1	8260B		6/2/2015	CJR	1
1,2,4-Trichlorobenzene	< 1.7	ug/l	1.7	5.6	1	8260B		6/2/2015	CJR	1
1,2,3-Trichlorobenzene	< 2.7	ug/l	2.7	8.6	1	8260B		6/2/2015	CJR	1
1,1,1-Trichloroethane	< 0.84	ug/l	0.84	2.7	1	8260B		6/2/2015	CJR	1
1,1,2-Trichloroethane	< 0.48	ug/l	0.48	1.52	1	8260B		6/2/2015	CJR	1
Trichloroethene (TCE)	< 0.47	ug/l	0.47	1.5	1	8260B		6/2/2015	CJR	1
Trichlorofluoromethane	< 0.87	ug/l	0.87	2.8	1	8260B		6/2/2015	CJR	1
1,2,4-Trimethylbenzene	< 1.6	ug/l	1.6	5	1	8260B		6/2/2015	CJR	1
1,3,5-Trimethylbenzene	< 1.5	ug/l	1.5	4.8	1	8260B		6/2/2015	CJR	1
Vinyl Chloride	< 0.17	ug/l	0.17	0.54	1	8260B		6/2/2015	CJR	1
m&p-Xylene	< 2.2	ug/l	2.2	6.9	1	8260B		6/2/2015	CJR	1
o-Xylene	< 0.9	ug/l	0.9	2.9	1	8260B		6/2/2015	CJR	1

Project Name KOPATZ PROPERTY  
Project #

Invoice # E28982

Lab Code 5028982B  
Sample ID MW-8  
Sample Matrix Water  
Sample Date 5/26/2015

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
SUR - 1,2-Dichloroethane-d4	92	REC %			1	8260B		6/2/2015	CJR	i
SUR - 4-Bromofluorobenzene	99	REC %			1	8260B		6/2/2015	CJR	i
SUR - Dibromofluoromethane	103	REC %			1	8260B		6/2/2015	CJR	i
SUR - Toluene-d8	94	REC %			1	8260B		6/2/2015	CJR	i

Project Name KOPATZ PROPERTY  
 Project #

Invoice # E28982

Lab Code 5028982C  
 Sample ID MW-7  
 Sample Matrix Water  
 Sample Date 5/26/2015

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Inorganic										
Metals										
Lead, Dissolved	3.8 "J"	ug/L	3.5	12.5	5	7421		5/29/2015	CWT	149
Organic										
VOC's										
Benzene	< 0.44	ug/l	0.44	1.4	1	8260B		6/2/2015	CJR	1
Bromobenzene	< 0.48	ug/l	0.48	1.5	1	8260B		6/2/2015	CJR	1
Bromodichloromethane	< 0.46	ug/l	0.46	1.5	1	8260B		6/2/2015	CJR	1
Bromoform	< 0.46	ug/l	0.46	1.5	1	8260B		6/2/2015	CJR	1
tert-Butylbenzene	< 1.1	ug/l	1.1	3.4	1	8260B		6/2/2015	CJR	1
sec-Butylbenzene	< 1.2	ug/l	1.2	3.8	1	8260B		6/2/2015	CJR	1
n-Butylbenzene	< 1	ug/l	1	3.3	1	8260B		6/2/2015	CJR	1
Carbon Tetrachloride	< 0.65	ug/l	0.65	2.1	1	8260B		6/2/2015	CJR	1
Chlorobenzene	< 0.46	ug/l	0.46	1.4	1	8260B		6/2/2015	CJR	1
Chloroethane	< 0.65	ug/l	0.65	2.1	1	8260B		6/2/2015	CJR	1
Chloroform	< 0.43	ug/l	0.43	1.4	1	8260B		6/2/2015	CJR	1
Chloromethane	< 1.9	ug/l	1.9	6	1	8260B		6/2/2015	CJR	1
2-Chlorotoluene	< 0.4	ug/l	0.4	1.3	1	8260B		6/2/2015	CJR	1
4-Chlorotoluene	< 0.63	ug/l	0.63	2	1	8260B		6/2/2015	CJR	1
1,2-Dibromo-3-chloropropane	< 1.4	ug/l	1.4	4.5	1	8260B		6/2/2015	CJR	1
Dibromochloromethane	< 0.45	ug/l	0.45	1.4	1	8260B		6/2/2015	CJR	1
1,4-Dichlorobenzene	< 0.49	ug/l	0.49	1.6	1	8260B		6/2/2015	CJR	1
1,3-Dichlorobenzene	< 0.52	ug/l	0.52	1.6	1	8260B		6/2/2015	CJR	1
1,2-Dichlorobenzene	< 0.46	ug/l	0.46	1.5	1	8260B		6/2/2015	CJR	1
Dichlorodifluoromethane	< 0.87	ug/l	0.87	2.8	1	8260B		6/2/2015	CJR	1
1,2-Dichloroethane	< 0.54	ug/l	0.54	1.7	1	8260B		6/2/2015	CJR	1
1,1-Dichloroethane	< 1.1	ug/l	1.1	3.6	1	8260B		6/2/2015	CJR	1
1,1-Dichloroethene	< 0.65	ug/l	0.65	2.1	1	8260B		6/2/2015	CJR	1
cis-1,2-Dichloroethene	< 0.45	ug/l	0.45	1.4	1	8260B		6/2/2015	CJR	1
trans-1,2-Dichloroethene	< 0.54	ug/l	0.54	1.7	1	8260B		6/2/2015	CJR	1
1,2-Dichloropropane	< 0.43	ug/l	0.43	1.37	1	8260B		6/2/2015	CJR	1
2,2-Dichloropropane	< 3.1	ug/l	3.1	9.8	1	8260B		6/2/2015	CJR	1
1,3-Dichloropropane	< 0.42	ug/l	0.42	1.3	1	8260B		6/2/2015	CJR	1
Di-isopropyl ether	< 0.44	ug/l	0.44	1.4	1	8260B		6/2/2015	CJR	1
EDB (1,2-Dibromoethane)	< 0.63	ug/l	0.63	2	1	8260B		6/2/2015	CJR	1
Ethylbenzene	< 0.71	ug/l	0.71	2.3	1	8260B		6/2/2015	CJR	1
Hexachlorobutadiene	< 2.2	ug/l	2.2	7.1	1	8260B		6/2/2015	CJR	1
Isopropylbenzene	< 0.82	ug/l	0.82	2.6	1	8260B		6/2/2015	CJR	1
p-Isopropyltoluene	< 1.1	ug/l	1.1	3.5	1	8260B		6/2/2015	CJR	1
Methylene chloride	< 1.3	ug/l	1.3	4.2	1	8260B		6/2/2015	CJR	1
Methyl tert-butyl ether (MTBE)	< 1.1	ug/l	1.1	3.7	1	8260B		6/2/2015	CJR	1
Naphthalene	< 1.6	ug/l	1.6	5.2	1	8260B		6/2/2015	CJR	1
n-Propylbenzene	< 0.77	ug/l	0.77	2.4	1	8260B		6/2/2015	CJR	1
1,1,2,2-Tetrachloroethane	< 0.52	ug/l	0.52	1.7	1	8260B		6/2/2015	CJR	1
1,1,1,2-Tetrachloroethane	< 0.48	ug/l	0.48	1.5	1	8260B		6/2/2015	CJR	1
Tetrachloroethene	< 0.74	ug/l	0.74	2.4	1	8260B		6/2/2015	CJR	1
Toluene	< 0.44	ug/l	0.44	1.4	1	8260B		6/2/2015	CJR	1
1,2,4-Trichlorobenzene	< 1.7	ug/l	1.7	5.6	1	8260B		6/2/2015	CJR	1
1,2,3-Trichlorobenzene	< 2.7	ug/l	2.7	8.6	1	8260B		6/2/2015	CJR	1
1,1,1-Trichloroethane	< 0.84	ug/l	0.84	2.7	1	8260B		6/2/2015	CJR	1
1,1,2-Trichloroethane	< 0.48	ug/l	0.48	1.52	1	8260B		6/2/2015	CJR	1
Trichloroethene (TCE)	< 0.47	ug/l	0.47	1.5	1	8260B		6/2/2015	CJR	1
Trichlorofluoromethane	< 0.87	ug/l	0.87	2.8	1	8260B		6/2/2015	CJR	1
1,2,4-Trimethylbenzene	< 1.6	ug/l	1.6	5	1	8260B		6/2/2015	CJR	1
1,3,5-Trimethylbenzene	< 1.5	ug/l	1.5	4.8	1	8260B		6/2/2015	CJR	1
Vinyl Chloride	< 0.17	ug/l	0.17	0.54	1	8260B		6/2/2015	CJR	1
m&p-Xylene	< 2.2	ug/l	2.2	6.9	1	8260B		6/2/2015	CJR	1
o-Xylene	< 0.9	ug/l	0.9	2.9	1	8260B		6/2/2015	CJR	1

Project #

Lab Code 5028982C  
 Sample ID MW-7  
 Sample Matrix Water  
 Sample Date 5/26/2015

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
SUR - 1,2-Dichloroethane-d4	104	REC %			1	8260B	6.2.2015	6.2.2015	CJR	1
SUR - Toluene-d8	91	REC %			1	8260B	6.2.2015	6.2.2015	CJR	1
SUR - 4-Bromofluorobenzene	100	REC %			1	8260B	6.2.2015	6.2.2015	CJR	1
SUR - Dibromofluoromethane	107	REC %			1	8260B	6.2.2015	6.2.2015	CJR	1

Lab Code 5028982D  
 Sample ID MW-6  
 Sample Matrix Water  
 Sample Date 5/26/2015

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
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Organic

PVOC + Naphthalene										
Benzene	< 0.46	ug/l	0.46	1.5	1	GRO95.8021	5.29.2015	5.29.2015	LPA	1
Ethylbenzene	< 0.73	ug/l	0.73	2.3	1	GRO95.8021	5.29.2015	5.29.2015	LPA	1
Methyl tert-butyl ether (MTBE)	< 0.49	ug/l	0.49	1.6	1	GRO95.8021	5.29.2015	5.29.2015	LPA	1
Naphthalene	< 2.6	ug/l	2.6	8.3	1	GRO95.8021	5.29.2015	5.29.2015	LPA	1
Toluene	< 0.39	ug/l	0.39	1.2	1	GRO95.8021	5.29.2015	5.29.2015	LPA	1
1,2,4-Trimethylbenzene	< 0.68	ug/l	0.68	2.2	1	GRO95.8021	5.29.2015	5.29.2015	LPA	1
1,3,5-Trimethylbenzene	< 0.83	ug/l	0.83	2.6	1	GRO95.8021	5.29.2015	5.29.2015	LPA	1
m&p-Xylene	< 1.4	ug/l	1.4	4.4	1	GRO95.8021	5.29.2015	5.29.2015	LPA	1
o-Xylene	< 0.66	ug/l	0.66	2.1	1	GRO95.8021	5.29.2015	5.29.2015	LPA	1

Lab Code 5028982E  
 Sample ID MW-5  
 Sample Matrix Water  
 Sample Date 5/26/2015

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
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Inorganic

Metals										
Lead, Dissolved	1.7 "J"	ug/L	0.7	2.5	1	7421	5.29.2015	5.29.2015	CWT	1

Organic

PVOC + Naphthalene										
Benzene	< 0.46	ug/l	0.46	1.5	1	GRO95.8021	5.29.2015	5.29.2015	LPA	1
Ethylbenzene	< 0.73	ug/l	0.73	2.3	1	GRO95.8021	5.29.2015	5.29.2015	LPA	1
Methyl tert-butyl ether (MTBE)	< 0.49	ug/l	0.49	1.6	1	GRO95.8021	5.29.2015	5.29.2015	LPA	1
Naphthalene	< 2.6	ug/l	2.6	8.3	1	GRO95.8021	5.29.2015	5.29.2015	LPA	1
Toluene	< 0.39	ug/l	0.39	1.2	1	GRO95.8021	5.29.2015	5.29.2015	LPA	1
1,2,4-Trimethylbenzene	< 0.68	ug/l	0.68	2.2	1	GRO95.8021	5.29.2015	5.29.2015	LPA	1
1,3,5-Trimethylbenzene	< 0.83	ug/l	0.83	2.6	1	GRO95.8021	5.29.2015	5.29.2015	LPA	1
m&p-Xylene	< 1.4	ug/l	1.4	4.4	1	GRO95.8021	5.29.2015	5.29.2015	LPA	1
o-Xylene	< 0.66	ug/l	0.66	2.1	1	GRO95.8021	5.29.2015	5.29.2015	LPA	1

Project #

Lab Code 5028982F  
 Sample ID MW-4  
 Sample Matrix Water  
 Sample Date 5/26/2015

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	< 0.46	ug/l	0.46	1.5	1	GRO95:8021	5/29/2015	5/29/2015	LPA	1
Ethylbenzene	< 0.73	ug/l	0.73	2.3	1	GRO95:8021	5/29/2015	5/29/2015	LPA	1
Methyl tert-butyl ether (MTBE)	< 0.49	ug/l	0.49	1.6	1	GRO95:8021	5/29/2015	5/29/2015	LPA	1
Naphthalene	< 2.6	ug/l	2.6	8.3	1	GRO95:8021	5/29/2015	5/29/2015	LPA	1
Toluene	< 0.39	ug/l	0.39	1.2	1	GRO95:8021	5/29/2015	5/29/2015	LPA	1
1,2,4-Trimethylbenzene	< 0.68	ug/l	0.68	2.2	1	GRO95:8021	5/29/2015	5/29/2015	LPA	1
1,3,5-Trimethylbenzene	< 0.83	ug/l	0.83	2.6	1	GRO95:8021	5/29/2015	5/29/2015	LPA	1
m&p-Xylene	< 1.4	ug/l	1.4	4.4	1	GRO95:8021	5/29/2015	5/29/2015	LPA	1
o-Xylene	< 0.66	ug/l	0.66	2.1	1	GRO95:8021	5/29/2015	5/29/2015	LPA	1

Lab Code 5028982G  
 Sample ID MW-3  
 Sample Matrix Water  
 Sample Date 5/26/2015

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	146	ug/l	0.46	1.5	1	GRO95:8021	5/29/2015	5/29/2015	LPA	1
Ethylbenzene	287	ug/l	0.73	2.3	1	GRO95:8021	5/29/2015	5/29/2015	LPA	1
Methyl tert-butyl ether (MTBE)	< 0.49	ug/l	0.49	1.6	1	GRO95:8021	5/29/2015	5/29/2015	LPA	1
Naphthalene	59	ug/l	2.6	8.3	1	GRO95:8021	5/29/2015	5/29/2015	LPA	1
Toluene	98	ug/l	0.39	1.2	1	GRO95:8021	5/29/2015	5/29/2015	LPA	1
1,2,4-Trimethylbenzene	27.8	ug/l	0.68	2.2	1	GRO95:8021	5/29/2015	5/29/2015	LPA	1
1,3,5-Trimethylbenzene	84	ug/l	0.83	2.6	1	GRO95:8021	5/29/2015	5/29/2015	LPA	1
m&p-Xylene	110	ug/l	1.4	4.4	1	GRO95:8021	5/29/2015	5/29/2015	LPA	1
o-Xylene	27.7	ug/l	0.66	2.1	1	GRO95:8021	5/29/2015	5/29/2015	LPA	1

Lab Code 5028982H  
 Sample ID MW-2  
 Sample Matrix Water  
 Sample Date 5/26/2015

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Inorganic										
Metals										
Lead, Dissolved	0.8	ug/L	0.7	2.5	1	7421	5/29/2015	5/29/2015	CWT	1
Organic										
PVOC + Naphthalene										
Benzene	3.7	ug/l	0.46	1.5	1	GRO95:8021	6/2/2015	6/2/2015	LPA	1
Ethylbenzene	61	ug/l	0.73	2.3	1	GRO95:8021	6/2/2015	6/2/2015	LPA	1
Methyl tert-butyl ether (MTBE)	< 0.49	ug/l	0.49	1.6	1	GRO95:8021	6/2/2015	6/2/2015	LPA	1
Naphthalene	14.4	ug/l	2.6	8.3	1	GRO95:8021	6/2/2015	6/2/2015	LPA	1
Toluene	4.1	ug/l	0.39	1.2	1	GRO95:8021	6/2/2015	6/2/2015	LPA	1
1,2,4-Trimethylbenzene	47	ug/l	0.68	2.2	1	GRO95:8021	6/2/2015	6/2/2015	LPA	1
1,3,5-Trimethylbenzene	34	ug/l	0.83	2.6	1	GRO95:8021	6/2/2015	6/2/2015	LPA	1
m&p-Xylene	105	ug/l	1.4	4.4	1	GRO95:8021	6/2/2015	6/2/2015	LPA	1
o-Xylene	3.5	ug/l	0.66	2.1	1	GRO95:8021	6/2/2015	6/2/2015	LPA	1

Project Name KOPATZ PROPERTY

Invoice # E28982

Project #

Lab Code 5028982I

Sample ID MW-1

Sample Matrix Water

Sample Date 5/26/2015

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Inorganic										
Metals										
Lead, Dissolved	13.5	ug/L	0.7	2.5	1	7421		5/29/2015	CWT	I
Organic										
PVOC + Naphthalene										
Benzene	370	ug/l	9.2	30	20	GRO95/8021		5/30/2015	LPA	I
Ethylbenzene	320	ug/l	14.6	46	20	GRO95/8021		5/30/2015	LPA	I
Methyl tert-butyl ether (MTBE)	< 9.8	ug/l	9.8	32	20	GRO95/8021		5/30/2015	LPA	I
Naphthalene	200	ug/l	52	166	20	GRO95/8021		5/30/2015	LPA	I
Toluene	2590	ug/l	7.8	24	20	GRO95/8021		5/30/2015	LPA	I
1,2,4-Trimethylbenzene	790	ug/l	13.6	44	20	GRO95/8021		5/30/2015	LPA	I
1,3,5-Trimethylbenzene	258	ug/l	16.6	52	20	GRO95/8021		5/30/2015	LPA	I
m&p-Xylene	2990	ug/l	28	88	20	GRO95/8021		5/30/2015	LPA	I
o-Xylene	1500	ug/l	13.2	42	20	GRO95/8021		5/30/2015	LPA	I

Project Name KOPATZ PROPERTY  
Project #

Invoice # E28982

Lab Code 5028982J  
Sample ID TRIP BLANK  
Sample Matrix Water  
Sample Date 5/26/2015

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
VOC's										
Benzene	< 0.44	ug/l	0.44	1.4	1	8260B	6/1/2015	6/1/2015	CJR	1
Bromobenzene	< 0.48	ug/l	0.48	1.5	1	8260B	6/1/2015	6/1/2015	CJR	1
Bromodichloromethane	< 0.46	ug/l	0.46	1.5	1	8260B	6/1/2015	6/1/2015	CJR	1
Bromoform	< 0.46	ug/l	0.46	1.5	1	8260B	6/1/2015	6/1/2015	CJR	1
tert-Butylbenzene	< 1.1	ug/l	1.1	3.4	1	8260B	6/1/2015	6/1/2015	CJR	1
sec-Butylbenzene	< 1.2	ug/l	1.2	3.8	1	8260B	6/1/2015	6/1/2015	CJR	1
n-Butylbenzene	< 1	ug/l	1	3.3	1	8260B	6/1/2015	6/1/2015	CJR	1
Carbon Tetrachloride	< 0.65	ug/l	0.65	2.1	1	8260B	6/1/2015	6/1/2015	CJR	1
Chlorobenzene	< 0.46	ug/l	0.46	1.4	1	8260B	6/1/2015	6/1/2015	CJR	1
Chloroethane	< 0.65	ug/l	0.65	2.1	1	8260B	6/1/2015	6/1/2015	CJR	1
Chloroform	< 0.43	ug/l	0.43	1.4	1	8260B	6/1/2015	6/1/2015	CJR	1
Chloromethane	< 1.9	ug/l	1.9	6	1	8260B	6/1/2015	6/1/2015	CJR	1
2-Chlorotoluene	< 0.4	ug/l	0.4	1.3	1	8260B	6/1/2015	6/1/2015	CJR	1
4-Chlorotoluene	< 0.63	ug/l	0.63	2	1	8260B	6/1/2015	6/1/2015	CJR	1
1,2-Dibromo-3-chloropropane	< 1.4	ug/l	1.4	4.5	1	8260B	6/1/2015	6/1/2015	CJR	1
Dibromochloromethane	< 0.45	ug/l	0.45	1.4	1	8260B	6/1/2015	6/1/2015	CJR	1
1,4-Dichlorobenzene	< 0.49	ug/l	0.49	1.6	1	8260B	6/1/2015	6/1/2015	CJR	1
1,3-Dichlorobenzene	< 0.52	ug/l	0.52	1.6	1	8260B	6/1/2015	6/1/2015	CJR	1
1,2-Dichlorobenzene	< 0.46	ug/l	0.46	1.5	1	8260B	6/1/2015	6/1/2015	CJR	1
Dichlorodifluoromethane	< 0.87	ug/l	0.87	2.8	1	8260B	6/1/2015	6/1/2015	CJR	1
1,2-Dichloroethane	< 0.54	ug/l	0.54	1.7	1	8260B	6/1/2015	6/1/2015	CJR	1
1,1-Dichloroethane	< 1.1	ug/l	1.1	3.6	1	8260B	6/1/2015	6/1/2015	CJR	1
1,1-Dichloroethene	< 0.65	ug/l	0.65	2.1	1	8260B	6/1/2015	6/1/2015	CJR	1
cis-1,2-Dichloroethene	< 0.45	ug/l	0.45	1.4	1	8260B	6/1/2015	6/1/2015	CJR	1
trans-1,2-Dichloroethene	< 0.54	ug/l	0.54	1.7	1	8260B	6/1/2015	6/1/2015	CJR	1
1,2-Dichloropropane	< 0.43	ug/l	0.43	1.37	1	8260B	6/1/2015	6/1/2015	CJR	1
2,2-Dichloropropane	< 3.1	ug/l	3.1	9.8	1	8260B	6/1/2015	6/1/2015	CJR	48
1,3-Dichloropropane	< 0.42	ug/l	0.42	1.3	1	8260B	6/1/2015	6/1/2015	CJR	1
Di-isopropyl ether	< 0.44	ug/l	0.44	1.4	1	8260B	6/1/2015	6/1/2015	CJR	1
EDB (1,2-Dibromoethane)	< 0.63	ug/l	0.63	2	1	8260B	6/1/2015	6/1/2015	CJR	1
Ethylbenzene	< 0.71	ug/l	0.71	2.3	1	8260B	6/1/2015	6/1/2015	CJR	1
Hexachlorobutadiene	< 2.2	ug/l	2.2	7.1	1	8260B	6/1/2015	6/1/2015	CJR	1
Isopropylbenzene	< 0.82	ug/l	0.82	2.6	1	8260B	6/1/2015	6/1/2015	CJR	1
p-Isopropyltoluene	< 1.1	ug/l	1.1	3.5	1	8260B	6/1/2015	6/1/2015	CJR	1
Methylene chloride	< 1.3	ug/l	1.3	4.2	1	8260B	6/1/2015	6/1/2015	CJR	1
Methyl tert-butyl ether (MTBE)	< 1.1	ug/l	1.1	3.7	1	8260B	6/1/2015	6/1/2015	CJR	1
Naphthalene	< 1.6	ug/l	1.6	5.2	1	8260B	6/1/2015	6/1/2015	CJR	1
n-Propylbenzene	< 0.77	ug/l	0.77	2.4	1	8260B	6/1/2015	6/1/2015	CJR	1
1,1,2,2-Tetrachloroethane	< 0.52	ug/l	0.52	1.7	1	8260B	6/1/2015	6/1/2015	CJR	1
1,1,1,2-Tetrachloroethane	< 0.48	ug/l	0.48	1.5	1	8260B	6/1/2015	6/1/2015	CJR	1
Tetrachloroethene	< 0.74	ug/l	0.74	2.4	1	8260B	6/1/2015	6/1/2015	CJR	1
Toluene	< 0.44	ug/l	0.44	1.4	1	8260B	6/1/2015	6/1/2015	CJR	1
1,2,4-Trichlorobenzene	< 1.7	ug/l	1.7	5.6	1	8260B	6/1/2015	6/1/2015	CJR	1
1,2,3-Trichlorobenzene	< 2.7	ug/l	2.7	8.6	1	8260B	6/1/2015	6/1/2015	CJR	1
1,1,1-Trichloroethane	< 0.84	ug/l	0.84	2.7	1	8260B	6/1/2015	6/1/2015	CJR	1
1,1,2-Trichloroethane	< 0.48	ug/l	0.48	1.52	1	8260B	6/1/2015	6/1/2015	CJR	1
Trichloroethene (TCE)	< 0.47	ug/l	0.47	1.5	1	8260B	6/1/2015	6/1/2015	CJR	1
Trichlorofluoromethane	< 0.87	ug/l	0.87	2.8	1	8260B	6/1/2015	6/1/2015	CJR	1
1,2,4-Trimethylbenzene	< 1.6	ug/l	1.6	5	1	8260B	6/1/2015	6/1/2015	CJR	1
1,3,5-Trimethylbenzene	< 1.5	ug/l	1.5	4.8	1	8260B	6/1/2015	6/1/2015	CJR	1
Vinyl Chloride	< 0.17	ug/l	0.17	0.54	1	8260B	6/1/2015	6/1/2015	CJR	1
m&p-Xylene	< 2.2	ug/l	2.2	6.9	1	8260B	6/1/2015	6/1/2015	CJR	1
o-Xylene	< 0.9	ug/l	0.9	2.9	1	8260B	6/1/2015	6/1/2015	CJR	1
SUR - Toluene-d8	101	REC %				8260B	6/1/2015	6/1/2015	CJR	1
SUR - 1,2-Dichloroethane-d4	100	REC %				8260B	6/1/2015	6/1/2015	CJR	1
SUR - 4-Bromofluorobenzene	105	REC %				8260B	6/1/2015	6/1/2015	CJR	1
SUR - Dibromofluoromethane	92	REC %				8260B	6/1/2015	6/1/2015	CJR	1

**Project Name** KOPATZ PROPERTY  
**Project #**

**Invoice #** E28982

"J" Flag: Analyte detected between LOD and LOQ

LOD Limit of Detection

LOQ Limit of Quantitation

*Code*      *Comment*

1            Laboratory QC within limits.  
4            The continuing calibration standard not within established limits.  
8            Closing calibration standard not within established 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



Chain # 3037  
Page 1 of 1

Lab I.D. #  
Account No. Quote No.:  
Project #:  
Sampler name:

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):  
Reports To:  
Company:  
Address:  
City State Zip:  
Phone:  
FAX:

Invoice To:  
Company:  
Address:  
City State Zip:  
Phone:  
FAX:

Analysis Requested		Other Analysis	
DRO (MS) DRD (Sep 95)			
GRO (Mud) GRD (Sep 95)			
LEAD			
NITRATE-NITRITE			
OIL & GREASE			
PAH (EPA 8270)			
PCB			
PVOC (EPA 821)			
PVOC - NAPHTHALENE			
SULFATE			
TOTAL SUSPENDED SOLIDS			
VOC (DW) (EPA 542)			
VOC (EPA 8260)			
8-PCRA METALS			

Lab I.D.	Sample I.D.	Collection Date	Time	Comp	Grab	Filtered Y/N	No. of Containers	Sample Type (Matrix)	Preservation
507892H									
B									
C									
D									
E									
F									
G									
H									
I									
J									

Comments/Special Instructions (\*Specify groundwater "GW", Drinking Water "DW", Waste Water "WW", Soil "S", Air "A", Oil, Sludge etc.)  
Lead to work order of report to be sent to client  
Use only 4000 \* Agent

Sample Integrity - To be completed by receiving lab.  
Method of Shipment: Dry Ice  
Temp. of Temp. Blank:        °C On Ice:   
Cooler seal intact upon receipt:  Yes  No  
Relinquished By: (sign) [Signature] Time:        Date:         
Received in Laboratory By: [Signature] Time: 8:00 Date: 5/27/15

# Synergy Environmental Lab,

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

DENNIS KOPATZ  
 DENNIS KOPATZ  
 N4510 SCHACT ROAD  
 MARINETTE, WI 54143

Report Date 09-Sep-15

Project Name KOPATZ PROPERTY  
 Project #

Invoice # E29588

Lab Code 5029588A  
 Sample ID W8317 PW  
 Sample Matrix Water  
 Sample Date 8/31/2015

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
VOC's										
Benzene	< 0.44	ug/l	0.44	1.4	1	8260B	9/2/2015	9/2/2015	CJR	1
Bromobenzene	< 0.48	ug/l	0.48	1.5	1	8260B	9/2/2015	9/2/2015	CJR	1
Bromodichloromethane	< 0.46	ug/l	0.46	1.5	1	8260B	9/2/2015	9/2/2015	CJR	1
Bromoform	< 0.46	ug/l	0.46	1.5	1	8260B	9/2/2015	9/2/2015	CJR	1
tert-Butylbenzene	< 1.1	ug/l	1.1	3.4	1	8260B	9/2/2015	9/2/2015	CJR	1
sec-Butylbenzene	< 1.2	ug/l	1.2	3.8	1	8260B	9/2/2015	9/2/2015	CJR	1
n-Butylbenzene	< 1	ug/l	1	3.3	1	8260B	9/2/2015	9/2/2015	CJR	1
Carbon Tetrachloride	< 0.51	ug/l	0.51	1.6	1	8260B	9/2/2015	9/2/2015	CJR	1
Chlorobenzene	< 0.46	ug/l	0.46	1.4	1	8260B	9/2/2015	9/2/2015	CJR	1
Chloroethane	< 0.65	ug/l	0.65	2.1	1	8260B	9/2/2015	9/2/2015	CJR	1
Chloroform	< 0.43	ug/l	0.43	1.4	1	8260B	9/2/2015	9/2/2015	CJR	1
Chloromethane	< 1.9	ug/l	1.9	6	1	8260B	9/2/2015	9/2/2015	CJR	1
2-Chlorotoluene	< 0.4	ug/l	0.4	1.3	1	8260B	9/2/2015	9/2/2015	CJR	1
4-Chlorotoluene	< 0.63	ug/l	0.63	2	1	8260B	9/2/2015	9/2/2015	CJR	1
1,2-Dibromo-3-chloropropane	< 1.4	ug/l	1.4	4.5	1	8260B	9/2/2015	9/2/2015	CJR	1
Dibromochloromethane	< 0.45	ug/l	0.45	1.4	1	8260B	9/2/2015	9/2/2015	CJR	1
1,4-Dichlorobenzene	< 0.49	ug/l	0.49	1.6	1	8260B	9/2/2015	9/2/2015	CJR	1
1,3-Dichlorobenzene	< 0.52	ug/l	0.52	1.6	1	8260B	9/2/2015	9/2/2015	CJR	1
1,2-Dichlorobenzene	< 0.46	ug/l	0.46	1.5	1	8260B	9/2/2015	9/2/2015	CJR	1
Dichlorodifluoromethane	< 0.87	ug/l	0.87	2.8	1	8260B	9/2/2015	9/2/2015	CJR	1
1,2-Dichloroethane	< 0.48	ug/l	0.48	1.5	1	8260B	9/2/2015	9/2/2015	CJR	1
1,1-Dichloroethane	< 1.1	ug/l	1.1	3.6	1	8260B	9/2/2015	9/2/2015	CJR	1
1,1-Dichloroethene	< 0.65	ug/l	0.65	2.1	1	8260B	9/2/2015	9/2/2015	CJR	1
cis-1,2-Dichloroethene	< 0.45	ug/l	0.45	1.4	1	8260B	9/2/2015	9/2/2015	CJR	1
trans-1,2-Dichloroethene	< 0.54	ug/l	0.54	1.7	1	8260B	9/2/2015	9/2/2015	CJR	1
1,2-Dichloropropane	< 0.43	ug/l	0.43	1.37	1	8260B	9/2/2015	9/2/2015	CJR	1
2,2-Dichloropropane	< 3.1	ug/l	3.1	9.8	1	8260B	9/2/2015	9/2/2015	CJR	1
1,3-Dichloropropane	< 0.42	ug/l	0.42	1.3	1	8260B	9/2/2015	9/2/2015	CJR	1
Di-isopropyl ether	< 0.44	ug/l	0.44	1.4	1	8260B	9/2/2015	9/2/2015	CJR	1
EDB (1,2-Dibromoethane)	< 0.63	ug/l	0.63	2	1	8260B	9/2/2015	9/2/2015	CJR	1
Ethylbenzene	< 0.71	ug/l	0.71	2.3	1	8260B	9/2/2015	9/2/2015	CJR	1
Hexachlorobutadiene	< 2.2	ug/l	2.2	7.1	1	8260B	9/2/2015	9/2/2015	CJR	1
Isopropylbenzene	< 0.82	ug/l	0.82	2.6	1	8260B	9/2/2015	9/2/2015	CJR	1

Project #

Lab Code 5029588A  
 Sample ID W8317 PW  
 Sample Matrix Water  
 Sample Date 8/31/2015

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
p-Isopropyltoluene	< 1.1	ug/l	1.1	3.5	1	8260B		9/2/2015	CJR	1
Methylene chloride	< 1.3	ug/l	1.3	4.2	1	8260B		9/2/2015	CJR	1
Methyl tert-butyl ether (MTBE)	< 1.1	ug/l	1.1	3.7	1	8260B		9/2/2015	CJR	1
Naphthalene	< 1.6	ug/l	1.6	5.2	1	8260B		9/2/2015	CJR	1
n-Propylbenzene	< 0.77	ug/l	0.77	2.4	1	8260B		9/2/2015	CJR	1
1,1,2,2-Tetrachloroethane	< 0.52	ug/l	0.52	1.7	1	8260B		9/2/2015	CJR	1
1,1,1,2-Tetrachloroethane	< 0.48	ug/l	0.48	1.5	1	8260B		9/2/2015	CJR	1
Tetrachloroethene	< 0.49	ug/l	0.49	1.5	1	8260B		9/2/2015	CJR	1
Toluene	< 0.44	ug/l	0.44	1.4	1	8260B		9/2/2015	CJR	1
1,2,4-Trichlorobenzene	< 1.7	ug/l	1.7	5.6	1	8260B		9/2/2015	CJR	1
1,2,3-Trichlorobenzene	< 2.7	ug/l	2.7	8.6	1	8260B		9/2/2015	CJR	1
1,1,1-Trichloroethane	< 0.84	ug/l	0.84	2.7	1	8260B		9/2/2015	CJR	1
1,1,2-Trichloroethane	< 0.48	ug/l	0.48	1.52	1	8260B		9/2/2015	CJR	1
Trichloroethene (TCE)	< 0.47	ug/l	0.47	1.5	1	8260B		9/2/2015	CJR	1
Trichlorofluoromethane	< 0.87	ug/l	0.87	2.8	1	8260B		9/2/2015	CJR	1
1,2,4-Trimethylbenzene	< 1.6	ug/l	1.6	5	1	8260B		9/2/2015	CJR	1
1,3,5-Trimethylbenzene	< 1.5	ug/l	1.5	4.8	1	8260B		9/2/2015	CJR	1
Vinyl Chloride	< 0.17	ug/l	0.17	0.54	1	8260B		9/2/2015	CJR	1
m&p-Xylene	< 2.2	ug/l	2.2	6.9	1	8260B		9/2/2015	CJR	1
o-Xylene	< 0.9	ug/l	0.9	2.9	1	8260B		9/2/2015	CJR	1
SUR - 1,2-Dichloroethane-d4	99	REC %				8260B		9/2/2015	CJR	1
SUR - 4-Bromofluorobenzene	108	REC %				8260B		9/2/2015	CJR	1
SUR - Dibromofluoromethane	99	REC %				8260B		9/2/2015	CJR	1
SUR - Toluene-d8	105	REC %				8260B		9/2/2015	CJR	1

Lab Code 5029588B  
 Sample ID MW-8  
 Sample Matrix Water  
 Sample Date 8/31/2015

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	< 0.46	ug/l	0.46	1.5	1	GRO95.8021		9/2/2015	CJR	1
Ethylbenzene	< 0.73	ug/l	0.73	2.3	1	GRO95.8021		9/2/2015	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.49	ug/l	0.49	1.6	1	GRO95.8021		9/2/2015	CJR	1
Naphthalene	< 2.6	ug/l	2.6	8.3	1	GRO95.8021		9/2/2015	CJR	1
Toluene	< 0.39	ug/l	0.39	1.2	1	GRO95.8021		9/2/2015	CJR	1
1,2,4-Trimethylbenzene	< 0.68	ug/l	0.68	2.2	1	GRO95.8021		9/2/2015	CJR	1
1,3,5-Trimethylbenzene	< 0.83	ug/l	0.83	2.6	1	GRO95.8021		9/2/2015	CJR	1
m&p-Xylene	< 1.4	ug/l	1.4	4.4	1	GRO95.8021		9/2/2015	CJR	1
o-Xylene	< 0.66	ug/l	0.66	2.1	1	GRO95.8021		9/2/2015	CJR	1

Project #

Lab Code 5029588C  
 Sample ID MW-7  
 Sample Matrix Water  
 Sample Date 8/31/2015

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Inorganic										
Metals										
Lead, Dissolved	< 0.7	ug/L	0.7	2.5	1	7421		9/2/2015	CWT	1
Organic										
PVOC + Naphthalene										
Benzene	< 0.46	ug/l	0.46	1.5	1	GRO95/8021		9/2/2015	CJR	1
Ethylbenzene	< 0.73	ug/l	0.73	2.3	1	GRO95/8021		9/2/2015	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.49	ug/l	0.49	1.6	1	GRO95/8021		9/2/2015	CJR	1
Naphthalene	< 2.6	ug/l	2.6	8.3	1	GRO95/8021		9/2/2015	CJR	1
Toluene	< 0.39	ug/l	0.39	1.2	1	GRO95/8021		9/2/2015	CJR	1
1,2,4-Trimethylbenzene	< 0.68	ug/l	0.68	2.2	1	GRO95/8021		9/2/2015	CJR	1
1,3,5-Trimethylbenzene	< 0.83	ug/l	0.83	2.6	1	GRO95/8021		9/2/2015	CJR	1
m&p-Xylene	< 1.4	ug/l	1.4	4.4	1	GRO95/8021		9/2/2015	CJR	1
o-Xylene	< 0.66	ug/l	0.66	2.1	1	GRO95/8021		9/2/2015	CJR	1

Lab Code 5029588D  
 Sample ID MW-5  
 Sample Matrix Water  
 Sample Date 8/31/2015

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Inorganic										
Metals										
Lead, Dissolved	< 0.7	ug/L	0.7	2.5	1	7421		9/2/2015	CWT	1
Organic										
PVOC + Naphthalene										
Benzene	< 0.46	ug/l	0.46	1.5	1	GRO95/8021		9/2/2015	CJR	1
Ethylbenzene	< 0.73	ug/l	0.73	2.3	1	GRO95/8021		9/2/2015	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.49	ug/l	0.49	1.6	1	GRO95/8021		9/2/2015	CJR	1
Naphthalene	< 2.6	ug/l	2.6	8.3	1	GRO95/8021		9/2/2015	CJR	1
Toluene	< 0.39	ug/l	0.39	1.2	1	GRO95/8021		9/2/2015	CJR	1
1,2,4-Trimethylbenzene	< 0.68	ug/l	0.68	2.2	1	GRO95/8021		9/2/2015	CJR	1
1,3,5-Trimethylbenzene	< 0.83	ug/l	0.83	2.6	1	GRO95/8021		9/2/2015	CJR	1
m&p-Xylene	< 1.4	ug/l	1.4	4.4	1	GRO95/8021		9/2/2015	CJR	1
o-Xylene	< 0.66	ug/l	0.66	2.1	1	GRO95/8021		9/2/2015	CJR	1

Lab Code 5029588E  
 Sample ID MW-6  
 Sample Matrix Water  
 Sample Date 8/31/2015

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	< 0.46	ug/l	0.46	1.5	1	GRO95/8021		9/2/2015	CJR	1
Ethylbenzene	< 0.73	ug/l	0.73	2.3	1	GRO95/8021		9/2/2015	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.49	ug/l	0.49	1.6	1	GRO95/8021		9/2/2015	CJR	1
Naphthalene	< 2.6	ug/l	2.6	8.3	1	GRO95/8021		9/2/2015	CJR	1
Toluene	< 0.39	ug/l	0.39	1.2	1	GRO95/8021		9/2/2015	CJR	1
1,2,4-Trimethylbenzene	< 0.68	ug/l	0.68	2.2	1	GRO95/8021		9/2/2015	CJR	1
1,3,5-Trimethylbenzene	< 0.83	ug/l	0.83	2.6	1	GRO95/8021		9/2/2015	CJR	1
m&p-Xylene	< 1.4	ug/l	1.4	4.4	1	GRO95/8021		9/2/2015	CJR	1
o-Xylene	< 0.66	ug/l	0.66	2.1	1	GRO95/8021		9/2/2015	CJR	1

## Project #

Lab Code 5029588F  
 Sample ID MW-4  
 Sample Matrix Water  
 Sample Date 8/31/2015

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	< 0.46	ug/l	0.46	1.5	1	GRO95/8021		9/2/2015	CJR	1
Ethylbenzene	< 0.73	ug/l	0.73	2.3	1	GRO95/8021		9/2/2015	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.49	ug/l	0.49	1.6	1	GRO95/8021		9/2/2015	CJR	1
Naphthalene	< 2.6	ug/l	2.6	8.3	1	GRO95/8021		9/2/2015	CJR	1
Toluene	< 0.39	ug/l	0.39	1.2	1	GRO95/8021		9/2/2015	CJR	1
1,2,4-Trimethylbenzene	< 0.68	ug/l	0.68	2.2	1	GRO95/8021		9/2/2015	CJR	1
1,3,5-Trimethylbenzene	< 0.83	ug/l	0.83	2.6	1	GRO95/8021		9/2/2015	CJR	1
m&p-Xylene	< 1.4	ug/l	1.4	4.4	1	GRO95/8021		9/2/2015	CJR	1
o-Xylene	< 0.66	ug/l	0.66	2.1	1	GRO95/8021		9/2/2015	CJR	1

Lab Code 5029588G  
 Sample ID MW-2  
 Sample Matrix Water  
 Sample Date 8/31/2015

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	2.8	ug/l	0.46	1.5	1	GRO95/8021		9/2/2015	CJR	1
Ethylbenzene	88	ug/l	0.73	2.3	1	GRO95/8021		9/2/2015	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.49	ug/l	0.49	1.6	1	GRO95/8021		9/2/2015	CJR	1
Naphthalene	14.8	ug/l	2.6	8.3	1	GRO95/8021		9/2/2015	CJR	1
Toluene	8.5	ug/l	0.39	1.2	1	GRO95/8021		9/2/2015	CJR	1
1,2,4-Trimethylbenzene	48	ug/l	0.68	2.2	1	GRO95/8021		9/2/2015	CJR	1
1,3,5-Trimethylbenzene	24.9	ug/l	0.83	2.6	1	GRO95/8021		9/2/2015	CJR	1
m&p-Xylene	144	ug/l	1.4	4.4	1	GRO95/8021		9/2/2015	CJR	1
o-Xylene	8.3	ug/l	0.66	2.1	1	GRO95/8021		9/2/2015	CJR	1

Lab Code 5029588H  
 Sample ID MW-3  
 Sample Matrix Water  
 Sample Date 8/31/2015

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	174	ug/l	0.46	1.5	1	GRO95/8021		9/2/2015	CJR	1
Ethylbenzene	231	ug/l	0.73	2.3	1	GRO95/8021		9/2/2015	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.49	ug/l	0.49	1.6	1	GRO95/8021		9/2/2015	CJR	1
Naphthalene	23.9	ug/l	2.6	8.3	1	GRO95/8021		9/2/2015	CJR	1
Toluene	88	ug/l	0.39	1.2	1	GRO95/8021		9/2/2015	CJR	1
1,2,4-Trimethylbenzene	18.4	ug/l	0.68	2.2	1	GRO95/8021		9/2/2015	CJR	1
1,3,5-Trimethylbenzene	62	ug/l	0.83	2.6	1	GRO95/8021		9/2/2015	CJR	1
m&p-Xylene	65	ug/l	1.4	4.4	1	GRO95/8021		9/2/2015	CJR	1
o-Xylene	23.5	ug/l	0.66	2.1	1	GRO95/8021		9/2/2015	CJR	1

Project #

Lab Code 5029588I  
 Sample ID MW-1  
 Sample Matrix Water  
 Sample Date 8/31/2015

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Inorganic										
Metals										
Lead, Dissolved	10.2	ug/L	0.7	2.5	1	7421		9/4/2015	CWT	1
Organic										
PVOC + Naphthalene										
Benzene	1660	ug/l	23	75	50	GRO95/8021		9/3/2015	CJR	1
Ethylbenzene	590	ug/l	36.5	115	50	GRO95/8021		9/3/2015	CJR	1
Methyl tert-butyl ether (MTBE)	< 24.5	ug/l	24.5	80	50	GRO95/8021		9/3/2015	CJR	1
Naphthalene	278 "J"	ug/l	130	415	50	GRO95/8021		9/3/2015	CJR	1
Toluene	3800	ug/l	19.5	60	50	GRO95/8021		9/3/2015	CJR	1
1,2,4-Trimethylbenzene	940	ug/l	34	110	50	GRO95/8021		9/3/2015	CJR	1
1,3,5-Trimethylbenzene	330	ug/l	41.5	130	50	GRO95/8021		9/3/2015	CJR	1
m&p-Xylene	3090	ug/l	70	220	50	GRO95/8021		9/3/2015	CJR	1
o-Xylene	1640	ug/l	33	105	50	GRO95/8021		9/3/2015	CJR	1

Lab Code 5029588J  
 Sample ID TB  
 Sample Matrix Water  
 Sample Date 8/31/2015

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	< 0.46	ug/l	0.46	1.5	1	GRO95/8021		9/3/2015	CJR	1
Ethylbenzene	< 0.73	ug/l	0.73	2.3	1	GRO95/8021		9/3/2015	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.49	ug/l	0.49	1.6	1	GRO95/8021		9/3/2015	CJR	1
Naphthalene	< 2.6	ug/l	2.6	8.3	1	GRO95/8021		9/3/2015	CJR	1
Toluene	< 0.39	ug/l	0.39	1.2	1	GRO95/8021		9/3/2015	CJR	1
1,2,4-Trimethylbenzene	< 0.68	ug/l	0.68	2.2	1	GRO95/8021		9/3/2015	CJR	1
1,3,5-Trimethylbenzene	< 0.83	ug/l	0.83	2.6	1	GRO95/8021		9/3/2015	CJR	1
m&p-Xylene	< 1.4	ug/l	1.4	4.4	1	GRO95/8021		9/3/2015	CJR	1
o-Xylene	< 0.66	ug/l	0.66	2.1	1	GRO95/8021		9/3/2015	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.

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 STUDY RECORD

# Synergy

Chain # 3079

Page 1 of 1

Lab I.D. # \_\_\_\_\_  
 Account No. \_\_\_\_\_  
 Project # \_\_\_\_\_  
 Sampler: Signature: *Jan Gen*

Quote No.: \_\_\_\_\_

*Environmental Services, 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): *Kopatz Property / Cruise*  
 Reports To: *Dennis Kopatz*  
 Invoice To: *D Kopatz*  
 Company: \_\_\_\_\_  
 Company: *c/o METCO*  
 Address: *N4570 Schacht Rd*  
 Address: *704 G Helle St, Ste. 3*  
 City State Zip: *Marshfield, WI 54443*  
 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	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-PCRA METALS	PID/ FID

Lab I.D.	Sample I.D.	Collection Date	Time	Comp	Grat	Filtered Y/N	No of Containers	Sample Type (Matrix)	Preservation
<del>502958A</del>	WY317 PW	8-31	1035			N	3	GW	ITLL
B	MW-8		1050			N	3		ITLL
C	MW-7		1055			Y	4		ITLL, HAN <sub>3</sub>
D	MW-5		1115			Y	4		ITLL, HAN <sub>3</sub>
E	MW-6		1135			N	3		ITLL
F	MW-4		1155			N	3		
G	MW-2		1210			N	3		
H	MW-3		1230			N	3		
I	MW-1	Y	1245			Y	4		ITLL, HAN <sub>3</sub>
J	TB					Y	1		ITLL

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)  
 ATC Rates apply \* Agent status Note: Trip Blank to be charged at the PVOC + Naph rate.

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

Relinquished By: (sign) *Jan Gen* Time: *9:00* Date: *9-1-15*  
 Received By: (sign) \_\_\_\_\_ Time: *8:00* Date: *9/2/15*

Received in Laboratory By: *Ch...* Time: \_\_\_\_\_ Date: \_\_\_\_\_

Site Investigation Report - METCO  
Kopatz Property

## APPENDIX C/ WELL AND BOREHOLE DOCUMENTATION



Facility Name			Facility ID Number			License, Permit or Monitoring No.		Date		Completed By (Name and Firm)											
Kopatz Property			438109760					10/15/2015		Jon 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.	Gradient	Distance to Waste
				N	S		Diam.	Type	Top of Well Casing	Ground Surface	MSL (√)	Site Datum (√)	Screen Top	Initial Groundwater	Well Depth						
			6	X																	
VO530	MW-1		23		X	4/17/2014	2	P	669.54	669.87	X		2		12	10	11/mw	A	X	S	34
			17		X																
VO531	MW-2		47		X	4/17/2014	2	P	668.2	668.6	X		2	3.35	12	10	11/mw	A	X	D	5
			83		X																
VO532	MW-3		14		X	4/17/2014	2	P	666.72	667.06	X		4	4.7	14	10	11/mw	A	X	D	81
			45		X																
VO533	MW-4		70		X	4/16/2014	2	P	667.08	667.39	X		2	1.95	12	10	11/mw	A	X	S	39
			31		X																
VO534	MW-5		21		X	4/16/2014	2	P	670.45	670.92	X		4	8.5	14	10	11/mw	A	X	S	73
			55		X																
VO535	MW-6		46		X	4/16/2014	2	P	669.16	669.52	X		4	6.69	14	10	11/mw	A	X	U	74
			96		X																
VO587	MW-7		56		X	5/18/2015	2	P	663.39	663.72	X		3	7.77	13	10	11/mw	A	X	D	134
			175		X																
VO588	MW-8		17		X	5/18/2015	2	P	666.62	667	X		3	5.9	13	10	11/mw	A	X	D	167

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

Grid Origin Location: (Check if estimated: )  
 Lat. 45 ° 8 ' 14 " Long. 88 ° 1 ' 7 " or  
 St. Plane \_\_\_\_\_ ft. N. \_\_\_\_\_ ft. E. S/C/N Zone

Remarks: Local grid source is the southeast corner of the Kopatz building.

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: \_\_\_\_\_

Facility / Project Name \_\_\_\_\_ License / Permit / Monitoring Number \_\_\_\_\_ Boring Number \_\_\_\_\_

Kopatz/Cronce Property \_\_\_\_\_ G-1

Boring Drilled By: Name of crew chief (first, last) and Firm \_\_\_\_\_ Drilling Date Started \_\_\_\_\_ Drilling Date Completed \_\_\_\_\_ Drilling Method \_\_\_\_\_

First: Darrin Last: \_\_\_\_\_ 04/09/13 04/09/13

Firm: Geiss \_\_\_\_\_ MM/DD/YYYY MM/DD/YYYY Geoprobe \_\_\_\_\_

WI Unique Well No. \_\_\_\_\_ DNR Well ID No. \_\_\_\_\_ Well Name \_\_\_\_\_ Final Static Water Level \_\_\_\_\_ Surface Elevation \_\_\_\_\_ Borehole Diameter \_\_\_\_\_

Feet MSL \_\_\_\_\_ 2 inches

Local Grid Origin (estimated X) or Boring Location \_\_\_\_\_ Local Grid Location \_\_\_\_\_

State Plane N, E Lat 45° 08' 14.2" N E

NE¼ of NW¼ of Section 28, T 31 N, R 02 E Long 88° 01' 7.0" Feet S Feet W

Facility ID \_\_\_\_\_ County \_\_\_\_\_ County Code \_\_\_\_\_ Civil Town / City / Village \_\_\_\_\_

438109760 Marinette 38 Crivitz

Sample \_\_\_\_\_ Soil Properties \_\_\_\_\_

Number & Type	Length Alt. & 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-1-1 (0-4 feet)	36		1												
			2												
			3	0-3' Gray sand and gravel (Fill)	FILL										
G-1-2 (4-8 feet)	36		4	3'-4' Orange very fine grained sand	SP			0			M			No Petro Odor	
			5												
			6	4'-6.5' Orange very fine to coarse	SP										
G-1-3 (8-10 feet) G-1-W (7-12 feet)	48		7												
			8	6'-8' Tan clayey sand with gravel	SC			0			M		No Petro Odor		
			9												
			10												
			11												
			12	Tan clayey sand with gravel	SC			0			W		No Petro Odor		
				EOB 12 Feet. Borehole Abandoned. Groundwater sample G-1-W collected.											

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: \_\_\_\_\_

Facility / Project Name		License / Permit / Monitoring Number		Boring Number	
Kopatz/Cronce Property				G-2	
Boring Drilled By: Name of crew chief (first, last) and Firm		Drilling Date Started		Drilling Date Completed	
First: Darrin Last: _____		04/09/13		04/09/13	
Firm: Geiss		MM/DD/YYYY		MM/DD/YYYY	
WI Unique Well No.		DNR Well ID No.		Well Name	
				Final Static Water Level	
				Surface Elevation	
				Borehole Diameter	
				2 inches	
Local Grid Origin (estimated X) or Boring Location				Local Grid Location	
State Plane N, E				Lat 45° 08' 14.2"	
NE¼ of NW¼ of Section 28, T 31 N, R 02 E				Long 88° 01' 7.0"	
Facility ID		County		County Code	
438109760		Marinette		38	
				Civil Town / City / Village	
				Crivitz	

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-2-1 (0-4 feet)	36		1												
			2												
			3		0-3' Gray sand and gravel (Fill)	FILL									
			4		3'-4' Orange very fine grained sand	SP			0			M		No Petro Odor	
G-2-2 (4-8 feet)	36		5												
			6												
			7												
			8		Gray clayey sand with gravel	SC			300			M		Petro Odor Starting @ 6 Feet	
G-2-3 (8-10 feet) G-2-W (7-12 feet)	48		9												
			10		Gray to tan clayey sand with gravel	SC			20			W		Petro Odor to 11.5 Feet	
				EOB 12 Feet. Borehole Abandoned. Groundwater sample G-2-W collected.											



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	
Kopatz/Cronce Property				G-3	
Boring Drilled By: Name of crew chief (first, last) and Firm		Drilling Date Started	Drilling Date Completed	Drilling Method	
First: Darrin	Last:	04/09/13	04/09/13	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	Borehole Diameter
			Feet MSL		2 inches
Local Grid Origin (estimated X) or Boring Location			Local Grid Location		
State Plane	N, E	Lat 45° 08' 14.2"	N E		
NE¼ of NW¼ of Section 28, T 31 N, R 02 E		Long 88° 01' 7.0"	Feet S Feet W		
Facility ID	County	County Code	Civil Town / City / Village		
438109760	Marinette	38	Crivitz		

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-3-1 (0-4 feet)	36	1 2 3 4	1	Gray sand and gravel (Fill)	FILL			0			M			No Petro Odor
			2											
G-3-2 (4-8 feet) G-3-W (3-8 feet)	36	5 6 7 8	8	Tan fine to coarse grained sand with gravel	SP			200			W			Petro Odor
			9	EOB 8 Feet. Borehole Abandoned. Groundwater sample G-3-W collected.										
			10											
			11											
			12											

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: \_\_\_\_\_

Facility / Project Name		License / Permit / Monitoring Number		Boring Number
Kopatz/Cronce Property				G-4
Boring Drilled By: Name of crew chief (first, last) and Firm		Drilling Date Started	Drilling Date Completed	Drilling Method
First: Darrin	Last:	04/09/13	04/09/13	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 45° 08' 14.2"	N	E
NE¼ of NW¼ of Section 28, T 31 N, R 02 E		Long 88° 01' 7.0"	Feet S	Feet W
Facility ID	County	County Code	Civil Town / City / Village	
438109760	Marinette	38	Crivitz	

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 (0-4 feet)	42	2	0-3'	Gray sand and gravel (Fill)	FILL									
			4	3'-4'	Orange very fine grained sand with gravel	SP			0			M		No Petro Odor
			6	4'-5'	Orange fine to coarse grained sand	SP								
G-2 (4-6 feet)	36	8	5'-8'	Gray clayey sand with gravel	SC			350			M			Petro Odor from 6-8 feet
			10											
G-3 (8-12 feet)	12	12	5'-8'	Gray clayey sand with gravel Poor recovery due to rock in tip of sampler	SC			280			W			
			14											
G-4 (12-16 feet) G-4-W (6-16 feet)	48	16		Gray clayey sand with gravel	SC			200			W			Petro Odor
			18		EOB 16 Feet. Borehole Abandoned. Groundwater sample G-4-W collected.									
			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**

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

Facility / Project Name		License / Permit / Monitoring Number		Boring Number	
Kopatz/Cronce Property				G-5	
Boring Drilled By: Name of crew chief (first, last) and Firm		Drilling Date Started		Drilling Date Completed	
First: Darin Last:		04/09/13		04/09/13	
Firm: Geiss		MM/DD/YYYY		MM/DD/YYYY	
Drilling Method		Geoprobe			
WI Unique Well No.	DNR Well ID No.	Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
			Feet MSL		2 inches
Local Grid Origin (estimated X) or Boring Location			Local Grid Location		
State Plane N, E			Lat 45° 08' 14.2" N E		
NE¼ of NW¼ of Section 28, T 31 N, R 02 E			Long 88° 01' 7.0" Feet S Feet W		
Facility ID		County		County Code	
438109760		Marinette		38	
				Civil Town / City / Village	
				Crivitz	

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)	36		1 2 3 4	Brown fine to medium grained sand (Fill)	SP			0			M			No Petro Odor
G-5-2 (4-8 feet)	36		7 8 9 10	4'-7' Brown fine to medium grained sand (Fill) 7-8' Tan clayey sand with gravel	SP SC			180			M			Petro Odor from 7-8 feet
G-5-3 (8-10 feet) G-5-W (7-12 feet)	36		12	Gray clayey sand with gravel EOB 12 Feet. Borehole Abandoned. Groundwater sample G-5-W collected.	SC			330			W			Petro Odor & Staining

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: \_\_\_\_\_

Facility / Project Name		License / Permit / Monitoring Number		Boring Number
Kopatzt/Cronce Property				G-6
Boring Drilled By: Name of crew chief (first, last) and Firm		Drilling Date Started	Drilling Date Completed	Drilling Method
First: Darin	Last:	04/09/13	04/09/13	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 45° 08' 14.2"	N E	
NE¼ of NW¼ of Section 28, T 31 N, R 02 E		Long 88° 01' 7.0"	Feet S Feet W	
Facility ID	County	County Code	Civil Town / City / Village	
438109760	Marinette	38	Crivitz	

Number & Type	Length Att. & Recovered (ft)	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	
G-6-1 (0-4 feet)	36		1 2 3 4 5 6	Brown medium to coarse grained sand	SP			0			M		No Petro Odor
G-6-2 (4-8 feet)	36		7 8 9 10	4'-7' Brown medium to coarse grained sand 7-8' Green clayey sand with gravel	SP SC			260			M		Petro Odor from 7-8 feet
G-6-3 (8-10 feet) G-6-W (7-12 feet)	36		11 12	Gray clayey sand with gravel and cobbles EOB 12 Feet. Borehole Abandoned. Groundwater sample G-6-W collected.	SC			320			W		Petro Odor & Staining

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
Kopatz/Cronce Property				G-7
Boring Drilled By: Name of crew chief (first, last) and Firm		Drilling Date Started	Drilling Date Completed	Drilling Method
First: Darrin	Last:	04/09/13	04/09/13	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 45° 08' 14.2"	N E	
NE¼ of NW¼ of Section 28, T31 N, R 02 E		Long 88° 01' 7.0"	Feet S Feet W	
Facility ID	County	County Code	Civil Town / City / Village	
438109760	Marinette	38	Crivitz	

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-7-1 (0-4 feet)	36		1 2 3 4 5	Brown very fine to fine grained sand	SP			0				M		No Petro Odor
G-7-2 (4-8 feet)	42		6 7 8 9 10 11	4'-6" Brown very fine to fine grained sand 6'-8" Tan clayey sand with gravel	SP SC			0				M		No Petro Odor
G-7-3 (8-10 feet) G-7-W (7-12 feet)	42		12	Tan clayey sand with gravel EOB 12 Feet. Borehole Abandoned. Groundwater sample G-7-W collected.	SC			0				W		No Petro Odor

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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
Kopatz/Cronce Property				G-8
Boring Drilled By: Name of crew chief (first, last) and Firm		Drilling Date Started	Drilling Date Completed	Drilling Method
First: Darrin	Last:	04/09/13	04/09/13	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 45° 08' 14.2"	N E	
NE¼ of NW¼ of Section 28, T 31 N, R 02 E		Long 88° 01' 7.0"	Feet S Feet W	
Facility ID	County	County Code	Civil Town / City / Village	
438109760	Marinette	38	Crivitz	

Sample				Soil Properties										
Number & Type	Length Att. & Recovered (ft)	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)	42		1 2 3 4 5 6	Tan very fine to fine grained sand	SP			0			M			No Petro Odor
G-8-2 (4-8 feet)	36		7 8 9 10 11	4'-7' Tan very fine to fine grained sand 7'-8' Tan clayey sand with gravel and cobbles	SP SC			0			M			No Petro Odor
G-8-3 (8-10 feet) G-8-W (7-12 feet)	42		12	Tan clayey sand EOB 12 Feet. Borehole Abandoned. Groundwater sample G-8-W collected.	SC			40			W			Slight Petro Odor from 10-11 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		License / Permit / Monitoring Number		Boring Number	
Kopatz/Cronce Property				G-9	
Boring Drilled By: Name of crew chief (first, last) and Firm		Drilling Date Started	Drilling Date Completed	Drilling Method	
First: Darrin	Last:	04/09/13	04/09/13	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	Borehole Diameter
			Feet MSL		2 inches
Local Grid Origin (estimated X) or Boring Location			Local Grid Location		
State Plane	N	E	Lat 45° 08' 14.2"	N	E
NE¼ of NW¼ of Section 28, T 31 N, R 02 E			Long 88° 01' 7.0"	Feet S	Feet W
Facility ID	County	County Code	Civil Town / City / Village		
438109760	Marinette	38	Crivitz		

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-9-1 (0-4 feet)	36		1											
			2											
G-9-2 (4-8 feet)	42		3											
			4	Orange very fine to fine grained sand	SP			0			M			No Petro Odor
G-9-3 (8-10 feet) G-9-W (7-12 feet)	48		5	4'-5.5' Orange very fine to fine grained sand	SP									
			6											
G-9-3 (8-10 feet) G-9-W (7-12 feet)	48		7											
			8	5.5'-8' Tan clayey sand with gravel	SC			0			M			No Petro Odor
G-9-3 (8-10 feet) G-9-W (7-12 feet)	48		9											
			10											
G-9-3 (8-10 feet) G-9-W (7-12 feet)	48		11											
			12	Tan clayey sand with gravel	SC			0			W			No Petro Odor
				EOB 12 Feet. Borehole Abandoned. Groundwater sample G-9-W collected.										

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 <b>Kopatz/Cronce Property</b>		License / Permit / Monitoring Number		Boring Number <b>G-10</b>
Boring Drilled By: Name of crew chief (first, last) and Firm First: Darrin Last: _____ Firm: Geiss		Drilling Date Started 04/09/13 MM/DD/YYYY	Drilling Date Completed 04/09/13 MM/DD/YYYY	Drilling Method Geoprobe
WI Unique Well No.	DNR Well ID No.	Well Name	Final Static Water Level Feet MSL	Surface Elevation Borehole Diameter 2 inches
Local Grid Origin (estimated X) or Boring Location State Plane N, E NE¼ of NW¼ of Section 28, T 31 N, R 02 E			Local Grid Location Lat 45° 08' 14.2" Long 88° 01' 7.0" Feet S Feet W	
Facility ID <b>438109760</b>	County <b>Marinette</b>	County Code <b>38</b>	Civil Town / City / Village <b>Crivitz</b>	

Number & Type	Length Att. & Recovered (ft)	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-10-1 (0-4 feet)	36		1											
			2	0-2' Tan sand and gravel (Fill)	FILL									
			3											
			4	2-4' Orange very fine to fine grained sand	SP	0			M			No Petro Odor		
G-10-2 (4-8 feet)	36		5											
			6											
			7											
G-10-3 (8-10 feet) G-10-W (7-12 feet)	42		8	Orange very fine to fine grained sand	SP			0			M		Petro Odor from 6-8 feet	
			9											
			10	8'-10' Orange fine to medium grained sand	SP									
			11											
			12	10'-12' Tan clayey sand with gravel	SC			0			W		Slight Odor	
				EOB 12 Feet. Borehole Abandoned. Groundwater sample G-10-W collected.										

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

Signature: 

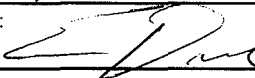
Firm: **METCO**

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

Facility / Project Name		License / Permit / Monitoring Number		Boring Number	
Kopat/Cronce Property				G-11	
Boring Drilled By: Name of crew chief (first, last) and Firm		Drilling Date Started	Drilling Date Completed	Drilling Method	
First: Darrin	Last:	04/09/13	04/09/13	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	Borehole Diameter
			Feet MSL		2 inches
Local Grid Origin (estimated X) or Boring Location			Local Grid Location		
State Plane	N, E	Lat 45° 08' 14.2"	N	E	
NE¼ of NW¼ of Section 28, T 31 N, R 02 E		Long 88° 01' 7.0"	Feet S	Feet W	
Facility ID	County	County Code	Civil Town / City / Village		
438109760	Marinette	38	Crivitz		

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-11-1 (0-4 feet)	36		1											
			2											
			3	0-3' Tan sand and gravel (Fill)	FILL									
G-11-2 (4-8 feet)	24		4	3-4' Orange very fine grained sand	SP			0			M			No Petro Odor
			5											
			6	4-6' Orange very fine grained sand	SP									
G-11-3 (8-10 feet) G-11-W (7-12 feet)	36		7											
			8	6-8' Tan clayey sand with gravel	SC			0			M			No Petro Odor
			9											
			10											
			11											
			12	Tan clayey sand with gravel	SC			0			W			No Petro Odor
				EOB 12 Feet. Borehole Abandoned. Groundwater sample G-11-W collected.										




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

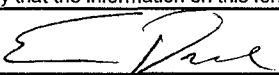
Signature: 

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	
Kopatz/Cronce Property				G-12	
Boring Drilled By: Name of crew chief (first, last) and Firm		Drilling Date Started	Drilling Date Completed	Drilling Method	
First: Darin	Last:	04/09/13	04/09/13	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	Borehole Diameter
			Feet MSL		2 inches
Local Grid Origin (estimated X) or Boring Location			Local Grid Location		
State Plane	N, E	Lat 45° 08' 14.2"	N E		
NE¼ of NW¼ of Section 28, T 31 N, R 02 E		Long 88° 01' 7.0"	Feet S Feet W		
Facility ID	County	County Code	Civil Town / City / Village		
438109760	Marinette	38	Crivitz		

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-12-1 (0-4 feet)	36		1 2 3 4	Tan sand and gravel (Fill)	FILL			0			M			No Petro Odor
G-12-2 (4-8 feet)	42		5 6 7 8	Tan clayey sand with gravel	SC			20			M			No Petro Odor
G-12-3 (8-10 feet) G-12-W (7-12 feet)	42		9 10 11 12	Tan clayey sand with gravel	SC			200			W			Petro Odor
				EOB 12 Feet. Borehole Abandoned. Groundwater sample G-12-W collected.										

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
Kopatz/Cronce Property				G-13
Boring Drilled By: Name of crew chief (first, last) and Firm		Drilling Date Started	Drilling Date Completed	Drilling Method
First: Darin	Last:	04/09/13	04/09/13	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 45° 08' 14.2"	N E	
NE¼ of NW¼ of Section 28, T31 N, R 02 E		Long 88° 01' 7.0"	Feet S Feet W	
Facility ID	County	County Code	Civil Town / City / Village	
438109760	Marinette	38	Crivitz	

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-13-1 (0-4 feet)	36	1 2 3 4	1	0-2' Brown organic topsoil	FILL									
			5	2-4' Orange very fine grained sand	SP			0			M		No Petro Odor	
			6	4-6' Orange fine to medium grained sand	SP									
G-13-2 (4-8 feet)	42	7 8 9 10	7	6-8' Tan clayey sand with gravel	SC			0				M		No Petro Odor
			11											
G-13-3 (8-10 feet) G-13-W (7-12 feet)	48	12	12	Tan clayey sand with gravel	SC			0				W		No Petro Odor
				EOB 12 Feet. Borehole Abandoned. Groundwater sample G-13-W collected.										

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: \_\_\_\_\_

Facility / Project Name		License / Permit / Monitoring Number		Boring Number	
Kopatz/Cronce Property				G-14	
Boring Drilled By: Name of crew chief (first, last) and Firm		Drilling Date Started	Drilling Date Completed	Drilling Method	
First: Darrin	Last:	04/09/13	04/09/13	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	Borehole Diameter
			Feet MSL		2 inches
Local Grid Origin (estimated X) or Boring Location			Local Grid Location		
State Plane	N, E	Lat 45° 08' 14.2"	N	E	
NE¼ of NW¼ of Section 28, T 31 N, R 02 E		Long 88° 01' 7.0"	Feet S	Feet W	
Facility ID	County	County Code	Civil Town / City / Village		
438109760	Marinette	38	Crivitz		

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-14-1 (0-4 feet)	36		1	0-2' Gray organic sand	PT									
			2											
			3											
G-14-2 (4-8 feet)	42		4	2'-4' Orange fine to medium grained sand	SP			0			M		No Petro Odor	
			5											
G-14-3 (8-10 feet) G-14-W (7-12 feet)	48		6	4'-5' Orange fine to medium grained sand	SP									
			7											
			8	5'-8' Tan clayey sand with gravel	SC			0			M		No Petro Odor	
			9											
			10	Tan clayey sand with gravel	SC			0			W		No Petro Odor	
			11											
				EOB 12 Feet. Borehole Abandoned. Groundwater sample G-14-W collected.										

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 Kopatz/Cronce Property		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 04/17/2014 MM / DD / YYYY		Drilling Date Completed 04/17/2014 MM / DD / YYYY	
Drilling Method Geoprobe/HSA		Final Static Water Level 665 Feet MSL		Surface Elevation 670 Feet MSL	
Well Name MW-1		Borehole Diameter 8.25 inches		Borehole Diameter	
Local Grid Origin (estimated X) or Boring Location State Plane N, E NE¼ of NW¼ of Section 28, T 31 N, R 20 E		Local Grid Location Lat 45° 08' 14.2" Long 88° 01' 7.0"		Local Grid Location N E Feet S Feet W	
Facility ID 438109760		County Marinette		County Code 38	
				Civil Town / City / Village Crivitz	

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	
			2	Concrete			See Well Construction Form								
MW-1-1 (0-4 ft)	48 30		2-4	Tan fine to medium grained sand	SP			0			M				No Petro Odor
			4-6	4-6' Tan fine to medium grained sand	SP										
MW-1-2 (4-8 ft)	48 30		6	6-8' Gray fine to medium grained clayey sand	SC			750			M/W				Petro Odor And Staining From 6-8 ft
			8	8-11' Gray fine to medium grained clayey sand	SC										
MW-1-3 (8-12 ft)	48 36		10	11-12 Gray sandy clay	CL			75				W			Petro Odor
			12												
MW-1-4 (12-16 ft)	48 48		14	Tan sandy clay w/ gravel	CL			35				W			Slight Petro Odor
			16												
MW-1-5 (16-20 ft)	48 48		18	Gray sandy clay w/ gravel	CL			220				W			Slight Petro Odor
			20	EOB 20 feet. Installed monitoring well MW-1 to 12 feet.											
			22												
			24												

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: \_\_\_\_\_

Facility / Project Name		License / Permit / Monitoring Number		Boring Number	
Kopatz/Cronce Property				MW-2	
Boring Drilled By: Name of crew chief (first, last) and Firm		Drilling Date Started		Drilling Date Completed	
First: Darrin Last: Prentice		04/17/2014		04/17/2014	
Firm: Geiss Soil & Samples, LLC		MM/ DD/ YYYY		MM /DD/ YYYY	
Drilling Method		Geoprobe/HSA			
WI Unique Well No.	DNR Well ID No.	Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
VO531		MW-2	665 Feet MSL	670 Feet MSL	8.25 inches
Local Grid Origin (estimated X) or Boring Location				Local Grid Location	
State Plane N, E		Lat 45° 08' 14.2"		N E	
NE¼ of NW¼ of Section 28, T 31 N, R 20 E		Long 88° 01' 7.0"		Feet S Feet W	
Facility ID		County	County Code	Civil Town / City / Village	
438109760		Marinette	38	Crivitz	

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		
MW-2-1 (0-4 ft)	48 24		2	Brown fine to medium grained sand	SP	See Well Construction Form	See Well Construction Form	0			M			No Petro Odor		
			4	4-7" Orange fine to medium grained sand	SP											
MW-2-2 (4-8 ft)	48 30		6	7-8" Gray fine to medium grained clayey sand	SC					1075			W			Petro Odor From 7-8 ft
MW-2-3 (8-12 ft)	48 48		8	Gray fine to medium grained clayey sand	SC					40			W			Petro Odor
			12	12-15' Tan fine to medium grained clayey sand	SC											
MW-2-4 (12-16 ft)	48 48		14	15-16' Gray sandy clay w/ gravel	CL			10			W			Slight Petro Odor		
			16													
MW-2-5 (16-20 ft)	48 48		18	Gray sandy clay w/ gravel	CL			0			W			No Petro Odor		
			20	EOB 20 feet. Installed monitoring well MW-2 to 12 feet.												
			22													
			24													

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: \_\_\_\_\_

Facility / Project Name <b>Kopatz/Cronce Property</b>		License / Permit / Monitoring Number <b>MW-3</b>		Boring Number <b>MW-3</b>	
Boring Drilled By: Name of crew chief (first, last) and Firm First: Darrin Last: Prentice Firm: Geiss Soil & Samples, LLC		Drilling Date Started 04/17/2014 MM/DD/YYYY		Drilling Date Completed 04/17/2014 MM/DD/YYYY	
Drilling Method Geoprobe/HSA		Final Static Water Level 665 Feet MSL		Surface Elevation 670 Feet MSL	
Well Name MW-3		Borehole Diameter 8.25 inches		Local Grid Origin (estimated X) or Boring Location	
State Plane N, E NE¼ of NW¼ of Section 28, T 31 N, R 20 E		Lat 45° 08' 14.2" Long 88° 01' 7.0"		Local Grid Location Feet S Feet W	
Facility ID 438109760		County Marinette		County Code 38	
				Civil Town / City / Village Crivitz	

Sample				Soil Properties											
Number & Type	Length Alt. & 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-3-1 (0-4 ft)	48 36		2	0-3' Tan fine to medium grained clayey sand	SC		See Well Construction Form	0				M			No Petro Odor
			4	3-4' Tan sandy clay	CL										M
6	Green to tan sandy clay	CL	0	M	No Petro Odor										
8															
MW-3-2 (4-8 ft)	48 48		6	Green to tan sandy clay	CL		0							No Petro Odor	
MW-3-3 (8-12 ft)	48 48		10	Tan fine to medium grained clayey sand w/ gravel	SC		60							Petro Odor From 9-11 ft	
MW-3-4 (12-16 ft)	48 48		12	12-14' Tan fine to medium grained clayey sand w/ gravel	SC		0							No Petro Odor	
			14	14-16' Gray sandy clay w/ gravel	CL		0							No Petro Odor	
			16	EOB 16 feet. Installed monitoring well MW-3 to 14 feet.											

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 <b>Kopatz/Cronce Property</b>		License / Permit / Monitoring Number		Boring Number <b>MW-4</b>	
Boring Drilled By: Name of crew chief (first, last) and Firm First: Darrin Last: Prentice Firm: Geiss Soil & Samples, LLC		Drilling Date Started 04/16/2014 MM/DD/YYYY		Drilling Date Completed 04/16/2014 MM/DD/YYYY	
Drilling Method Geoprobe/HSA		Final Static Water Level 665 Feet MSL		Surface Elevation 670 Feet MSL	
Well Name <b>MW-4</b>		Borehole Diameter 8.25 inches		Well Unique Well No. DNR Well ID No. <b>VO533</b>	
Local Grid Origin (estimated X) or Boring Location State Plane N, E NE¼ of NW¼ of Section 28, T 31 N, R 20 E			Local Grid Location Lat 45° 08' 14.2" N E Long 88° 01' 7.0" Feet S Feet W		
Facility ID <b>438109760</b>		County <b>Marinette</b>		County Code <b>38</b>	
		Civil Town / City / Village <b>Crivitz</b>			

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 12		2	Brown medium to coarse grained clayey sand	SC	See Well Construction Form		0			M			No Petro Odor	
MW-4-2 (4-8 ft)	48 6		6	Brown fine to medium grained sand	SP			0				W			No Petro Odor
MW-4-3 (8-12 ft)	48 42		10	8-11' Tan medium to coarse grained clayey sand	SC			0				W			No Petro Odor
			12	11-12' Tan sandy clay w/ gravel	CL										
			14	EOB 13 feet. Installed monitoring well MW-4 to 12 feet.											

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: \_\_\_\_\_ Page 1 of 1

Facility / Project Name <b>Kopatz/Cronce Property</b>		License / Permit / Monitoring Number		Boring Number <b>MW-5</b>	
Boring Drilled By: Name of crew chief (first, last) and Firm First: Darrin Last: Prentice Firm: Geiss Soil & Samples, LLC		Drilling Date Started 04/16/2014 MM/DD/YYYY		Drilling Date Completed 04/16/2014 MM/DD/YYYY	
Drilling Method Geoprobe/HSA		WI Unique Well No. DNR Well ID No.		Well Name	
VO534		MW-5		665 Feet MSL	
Surface Elevation 670 Feet MSL		Borehole Diameter 8.25 inches		Local Grid Origin (estimated X) or Boring Location	
State Plane N, E		Lat 45° 08' 14.2"		Local Grid Location N, E	
NE¼ of NW¼ of Section 28, T 31 N, R 20 E		Long 88° 01' 7.0"		Feet S Feet W	
Facility ID 438109760		County Marinette		County Code 38	
				Civil Town / City / Village Crittitz	

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-5-1 (0-4 ft)	48 30		0-4	Brown to tan fine to medium grained sand	SP		<b>See Well Construction Form</b>	0			M			No Petro Odor			
MW-5-2 (4-8 ft)	48 48		4-8	Tan sandy clay w/ gravel	CL			0			MW			No Petro Odor			
MW-5-3 (8-12 ft)	48 48		8-12	Tan fine to medium grained clayey sand	SC			0			W			No Petro Odor			
MW-5-4 (12-16 ft)	48 48		12-16	12-14' Tan fine to medium grained clayey sand 14-16' Tan sandy clay w/ gravel	SC CL			0			W			No Petro Odor			
			16-24	EOB 16 feet. Installed monitoring well MW-6 to 14 feet.													

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	
Kopatz/Cronce Property				MW-6	
Boring Drilled By: Name of crew chief (first, last) and Firm		Drilling Date Started		Drilling Date Completed	
First: Darrin Last: Prentice		04/16/2014		04/16/2014	
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	Borehole Diameter
VO535		MW-6	665 Feet MSL	670 Feet MSL	8.25 inches
Local Grid Origin (estimated X) or Boring Location				Local Grid Location	
State Plane N, E		Lat 45° 08' 14.2"		N E	
NE¼ of NW¼ of Section 28, T 31 N, R 20 E		Long 88° 01' 7.0"		Feet S Feet W	
Facility ID		County		County Code	
438109760		Marinette		38	
				Civil Town / City / Village	
				Crivitz	

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 / FD	Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD / Comments	
MW-6-1 (0-4 ft)	48 30		2	Brown to tan fine to medium grained sand	SP		See Well Construction Form	0			M			No Petro Odor	
MW-6-2 (4-8 ft)	48 30		6	Tan fine to medium grained clayey sand	SC			0			MW			No Petro Odor	
			8	8-10' Tan fine to medium grained clayey sand	SC										
MW-6-3 (8-12 ft)	48 48		10	10-12' Tan sandy clay	CL			0				W			No Petro Odor
			12												
			14												
			16	EOB 14.5 feet. Installed monitoring well MW-6 to 14 feet.											
			18												
			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**

Route To: Watershed / Wastewater: Waste Management:  
Remediation / Redevelopment: X Other: \_\_\_\_\_  
 Page 1 of 1

Facility / Project Name <b>Kopatz/Cronce Property</b>		License / Permit / Monitoring Number		Boring Number <b>MW-7</b>	
Boring Drilled By: Name of crew chief (first, last) and Firm First: <b>Darrin</b> Last: <b>Prentice</b> Firm: <b>Geiss Soil &amp; Samples, LLC</b>		Drilling Date Started <b>05/18/2015</b> MM/ DD/ YYYY		Drilling Date Completed <b>05/18/2015</b> MM/ DD/ YYYY	
Drilling Method <b>Geoprobe/HSA</b>		Well Name <b>MW-7</b>		Borehole Diameter <b>8.25 inches</b>	
WI Unique Well No. <b>VO587</b>		DNR Well ID No.		Final Static Water Level <b>665 Feet MSL</b>	
Local Grid Origin (estimated X) or Boring Location		Local Grid Location		Surface Elevation <b>670 Feet MSL</b>	
State Plane <b>N, E</b>		Lat <b>45° 08' 14.2"</b>		Feet S Feet W	
NE¼ of NW¼ of Section 28, T 31 N, R 20 E		Long <b>88° 01' 7.0"</b>			
Facility ID <b>438109760</b>		County <b>Marinette</b>		County Code <b>38</b>	
				Civil Town / City / Village <b>Crivitz</b>	

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			
MW-7-1 (0-4 ft)	48 24		2	Orange fine to medium grained sand	SP		<b>See Well Construction Form</b>	0			M			No Petro Odor			
MW-7-2 (4-8 ft)	48 36		6	Tan clayey sand with gravel	SC			0			W			No Petro Odor			
MW-7-3 (8-12 ft)	48 36		10	Tan clayey sand with gravel	SC			0			W			No Petro Odor			
			14	EOB 13 feet. Installed monitoring well MW-7 to 13 feet.													

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 Kopatz/Cronce Property		License / Permit / Monitoring Number		Boring Number MW-8	
Boring Drilled By: Name of crew chief (first, last) and Firm First: Darrin Last: Prentice Firm: Geiss Soil & Samples, LLC		Drilling Date Started 05/18/2015 MM/ DD/ YYYY		Drilling Date Completed 05/18/2015 MM/ DD/ YYYY	
Drilling Method Geoprobe/HSA		WI Unique Well No. VO588		DNR Well ID No. MW-8	
Well Name MW-8		Final Static Water Level 665 Feet MSL		Surface Elevation 670 Feet MSL	
Borehole Diameter 8.25 inches		Local Grid Origin (estimated X) or Boring Location State Plane N, E NE¼ of NW¼ of Section 28, T.31 N, R. 20 E		Local Grid Location Lat 45° 08' 14.2" N E Long 88° 01' 7.0" Feet S Feet W	
Facility ID 438109760		County Marinette		County Code 38	
		Civil Town / City / Village Crivitz			

Sample				Soil Properties											
Number & Type	Length Alt. & 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-8-1 (0-4 ft)	48 24		2	Orange fine to medium grained sand	SP		<b>See Well Construction Form</b>	0			MW				No Petro Odor
MW-8-2 (4-8 ft)	48 42		6	Orange fine to medium grained sand	SP			0				W			No Petro Odor
MW-8-3 (8-12 ft)	48 36		10	Orange fine to medium grained sand	SP			0				W			No Petro Odor
			14	EOB 13 feet. Installed monitoring well MW-8 to 13 feet.											

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

Signature:

Firm: **METCO**

Facility/Project Name <b>Kopatz Property</b>	Local Grid Location of Well ft. <input type="checkbox"/> N. <input type="checkbox"/> S. <input type="checkbox"/> E. <input type="checkbox"/> W.	Well Name <b>MW-1</b>
Facility License, Permit or Monitoring No.	Local Grid Origin (estimated: <input type="checkbox"/> ) or Well Location <input type="checkbox"/> Lat. <b>45° 8' 14.2"</b> Long. <b>88° 1' 7"</b> or	Wis. Unique Well No. <b>10530</b> DNR Well ID No.
Facility ID	St. Plane ft. N. ft. E. S/C/N	Date Well Installed <b>8/17/2014</b> m m d d y y v v
Type of Well Well Code <b>11 / MW</b>	Section Location of Waste/Source <b>NE 1/4 of NW 1/4 of Sec. 28 T. 31 N. R. 20</b> <input checked="" type="checkbox"/> E <input type="checkbox"/> W	Well Installed By: Name (first, last) and Firm <b>Darrin Prentice</b> <b>Geiss Soil Samples LLC</b>
Distance from Waste/Source ft. <input type="checkbox"/> Enf. Sids. Apply <input type="checkbox"/>	Location of Well Relative to Waste/Source <input type="checkbox"/> Upgradient <input type="checkbox"/> s <input type="checkbox"/> Sidegradient <input type="checkbox"/> d <input type="checkbox"/> Downgradient <input type="checkbox"/> n <input type="checkbox"/> Not Known	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: <b>8</b> in. b. Length: <b>1</b> 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 <b>0</b> 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 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 <sup>3</sup> 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 checked="" 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. <b>#15 Red Flint</b> b. Volume added <b>ft<sup>3</sup></b>
17. Source of water (attach analysis, if required):		8. Filter pack material: Manufacturer, product name & mesh size a. <b>#40 Red Flint</b> b. Volume added <b>ft<sup>3</sup></b>
E. Bentonite seal, top	ft. MSL or <b>0.5</b> ft.	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"/>
F. Fine sand, top	ft. MSL or <b>1.3</b> ft.	10. Screen material: <b>PVC</b> a. Screen type: Factory cut <input checked="" type="checkbox"/> 11 Continuous slot <input type="checkbox"/> 01 Other <input type="checkbox"/>
G. Filter pack, top	ft. MSL or <b>1.5</b> ft.	b. Manufacturer <b>Monoflex</b> c. Slot size: <b>0.010</b> in. d. Slotted length: <b>10</b> ft.
H. Screen joint, top	ft. MSL or <b>2</b> ft.	11. Backfill material (below filter pack): None <input type="checkbox"/> 14 Other <input checked="" type="checkbox"/>
I. Well bottom	ft. MSL or <b>12</b> ft.	
J. Filter pack, bottom	ft. MSL or <b>13</b> ft.	
K. Borehole, bottom	ft. MSL or <b>13</b> ft.	
L. Borehole diameter	<b>8.25</b> in.	
M. O.D. well casing	<b>2.40</b> in.	
N. I.D. well casing	<b>2.06</b> 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 <b>Kovate Property</b>	Local Grid Location of Well ft. <input type="checkbox"/> N. <input type="checkbox"/> S. ft. <input type="checkbox"/> E. <input type="checkbox"/> W.		Well Name <b>MW-2</b>
Facility License, Permit or Monitoring No.	Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/> ) or Well Location <input type="checkbox"/>	Wis. Unique Well No. <b>VC531</b>	DNR Well ID No.
Facility ID	Lat. <b>45° 8' 14.2"</b> Long. <b>88° 1' 7"</b> or	Date Well Installed <b>8/17/2014</b>	
Type of Well Well Code <b>11 / MW</b>	Section Location of Waste/Source <b>NE 1/4 of NW 1/4 of Sec. 28, T. 31 N, R. 20</b> <input checked="" type="checkbox"/> E <input type="checkbox"/> W	Well Installed By: Name (first, last) and Firm <b>Darrin Prentice</b> <b>Geiss Soil &amp; Samples LLC</b>	
Distance from Waste/Source _____ ft.	Enf. Stds. Apply <input type="checkbox"/>	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): \_\_\_\_\_

E. Bentonite seal, top \_\_\_\_\_ ft. MSL or 5 ft.

F. Fine sand, top \_\_\_\_\_ ft. MSL or 1.3 ft.

G. Filter pack, top \_\_\_\_\_ ft. MSL or 1.5 ft.

H. Screen joint, top \_\_\_\_\_ ft. MSL or 2 ft.

I. Well bottom \_\_\_\_\_ ft. MSL or 12 ft.

J. Filter pack, bottom \_\_\_\_\_ ft. MSL or 13 ft.

K. Borehole, bottom \_\_\_\_\_ ft. MSL or 13 ft.

L. Borehole, diameter 8.25 in.

M. O.D. well casing 2.40 in.

N. I.D. well casing 2.06 in.

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  30  
 e. \_\_\_\_\_ Ft<sup>3</sup> 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 \_\_\_\_\_ ft<sup>3</sup>

8. Filter pack material: Manufacturer, product name & mesh size  
 a. #40 Red Flint  
 b. Volume added \_\_\_\_\_ ft<sup>3</sup>

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 Monotex  
 c. Slot size: 0.010 in.  
 d. Slotted length: 70 ft.

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

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

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

Facility/Project Name <b>Kopatz Property</b>	Local Grid Location of Well ft. <input type="checkbox"/> N. <input type="checkbox"/> E. ft. <input type="checkbox"/> S. <input type="checkbox"/> W.	Well Name <b>MW-3</b>
Facility License, Permit or Monitoring No.	Local Grid Origin (estimated: <input type="checkbox"/> ) or Well Location <input type="checkbox"/> Lat. <b>45° 8' 14.2"</b> Long. <b>88° 1' 7"</b> or	Wis. Unique Well No. <b>W0532</b> DNR Well ID No.
Facility ID	St. Plane ft. N. ft. E. S/C/N	Date Well Installed <b>8/17/2014</b> m m d d y y y y
Type of Well Well Code <b>11 / MW</b>	Section Location of Waste/Source <b>NE 1/4 of NW 1/4 of Sec. 28 T. 31 N. R. 20</b> <input checked="" type="checkbox"/> E <input type="checkbox"/> W	Well Installed By: Name (first, last) and Firm <b>Darrin Prentice</b> <b>Geiss Soil &amp; Samples LLC</b>
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	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: <b>8</b> in.
C. Land surface elevation ----- ft. MSL	b. Length: <b>1</b> ft.
D. Surface seal, bottom ----- ft. MSL or <b>0</b> ft.	c. Material: Steel <input checked="" type="checkbox"/> 04 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 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"/>	d. Additional protection? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, describe: _____
13. Sieve analysis performed? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	3. Surface seal: Bentonite <input checked="" type="checkbox"/> 10 Concrete <input checked="" type="checkbox"/> 01 Other <input type="checkbox"/>
14. Drilling method used: Rotary <input type="checkbox"/> 50 Hollow Stem Auger <input checked="" type="checkbox"/> 41 Other <input type="checkbox"/>	4. Material between well casing and protective pipe: Bentonite <input checked="" type="checkbox"/> 30 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	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"/> 37 d. ___ % Bentonite ... Bentonite-cement grout <input type="checkbox"/> 50 e. ___ Ft <sup>3</sup> volume added for any of the above
16. Drilling additives used? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Describe _____	f. How installed: Tremie <input type="checkbox"/> 01 Tremie pumped <input type="checkbox"/> 02 Gravity <input checked="" type="checkbox"/> 08
17. Source of water (attach analysis, if required): _____	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"/>
E. Bentonite seal, top ----- ft. MSL or <b>5</b> ft.	7. Fine sand material: Manufacturer, product name & mesh size a. <b>#15 Red Flint</b>
F. Fine sand, top ----- ft. MSL or <b>2</b> ft.	b. Volume added _____ ft <sup>3</sup>
G. Filter pack, top ----- ft. MSL or <b>3</b> ft.	8. Filter pack material: Manufacturer, product name & mesh size a. <b>#40 Red Flint</b>
H. Screen joint, top ----- ft. MSL or <b>4</b> ft.	b. Volume added _____ ft <sup>3</sup>
I. Well bottom ----- ft. MSL or <b>14</b> ft.	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"/>
J. Filter pack, bottom ----- ft. MSL or <b>14.5</b> ft.	10. Screen material: <b>PVC</b>
K. Borehole, bottom ----- ft. MSL or <b>14.5</b> ft.	a. Screen type: Factory cut <input checked="" type="checkbox"/> 11 Continuous slot <input type="checkbox"/> 01 Other <input type="checkbox"/>
L. Borehole, diameter <b>8.25</b> in.	b. Manufacturer <b>Monaflex</b>
M. O.D. well casing <b>2.40</b> in.	c. Slot size: <b>0.010</b> in.
N. I.D. well casing <b>2.06</b> in.	d. Slotted length: <b>10</b> 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**

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.

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

Facility/Project Name <b>Kopatz Property</b>	Local Grid Location of Well ft. <input type="checkbox"/> N. <input type="checkbox"/> E. <input type="checkbox"/> S. <input type="checkbox"/> W.	Well Name <b>MW-4</b>
Facility License, Permit or Monitoring No.	Local Grid Origin (estimated: <input type="checkbox"/> ) or Well Location <input type="checkbox"/> Lat. <b>45° 8' 14.2"</b> Long. <b>88° 1' 7"</b> or	Wis. Unique Well No. <b>V0533</b> DNR Well ID No.
Facility ID	St. Plane ft. N. ft. E. S/C/N	Date Well Installed <b>04/16/2014</b> m m d d y y y y
Type of Well Well Code <b>11 / MW</b>	Section Location of Waste/Source <b>NE 1/4 of NW 1/4 of Sec. 28, T. 31 N, R. 20</b> <input checked="" type="checkbox"/> E <input type="checkbox"/> W	Well Installed By: Name (first, last) and Firm <b>Darrin Prentice</b> <b>Geiss Soil &amp; Samples LLC</b>
Distance from Waste/Source ft.	Enf. Stds. Apply <input type="checkbox"/>	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

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): \_\_\_\_\_

E. Bentonite seal, top ----- ft. MSL or 5 ft.

F. Fine sand, top ----- ft. MSL or 1.3 ft.

G. Filter pack, top ----- ft. MSL or 1.5 ft.

H. Screen joint, top ----- ft. MSL or 2 ft.

I. Well bottom ----- ft. MSL or 12 ft.

J. Filter pack, bottom ----- ft. MSL or 13 ft.

K. Borehole, bottom ----- ft. MSL or 13 ft.

L. Borehole, diameter 8.25 in.

M. O.D. well casing 2.40 in.

N. I.D. well casing 2.06 in.

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. Ft<sup>3</sup> 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 \_\_\_\_\_ ft<sup>3</sup>

8. Filter pack material: Manufacturer, product name & mesh size  
 a. #40 Red Flint  
 b. Volume added \_\_\_\_\_ ft<sup>3</sup>

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 Monotex  
 c. Slot size: 0.010 in.  
 d. Slotted length: 10 ft.

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

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, 285, 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.

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

Facility/Project Name <u>Karate Property</u>	Local Grid Location of Well ft. <input type="checkbox"/> N. <input type="checkbox"/> S. <input type="checkbox"/> E. <input type="checkbox"/> W.	Well Name <u>MW-5</u>
Facility License, Permit or Monitoring No.	Local Grid Origin (estimated: <input type="checkbox"/> ) or Well Location <input type="checkbox"/> Lat. <u>45° 8' 14.2"</u> Long. <u>88° 1' 7"</u> or	Wis. Unique Well No. / DNR Well ID No. <u>W0534</u>
Facility ID	St. Plane <u>R. N.</u> <input type="checkbox"/> <u>R. E. S/C/N</u> <input type="checkbox"/>	Date Well Installed <u>8/16/2014</u> m m d d y y y y
Type of Well Well Code <u>11 / MW</u>	Section Location of Waste/Source <u>NE 1/4 of NW 1/4 of Sec. 28, T. 31 N. R. 20</u> <input checked="" type="checkbox"/> <input type="checkbox"/>	Well Installed By: Name (first, last) and Firm <u>Darrin Prentice</u> <u>Geiss Soil Samples LLC</u>
Distance from Waste/Source ft. <input type="checkbox"/>	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	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: <u>8</u> in. b. Length: <u>1</u> 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 <u>0</u> 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 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. <u>    </u> Lbs/gal mud weight... Bentonite-sand slurry <input type="checkbox"/> 35 c. <u>    </u> Lbs/gal mud weight... Bentonite slurry <input type="checkbox"/> 31 d. <u>    </u> % Bentonite... Bentonite-cement grout <input type="checkbox"/> 50 e. <u>    </u> Ft <sup>3</sup> 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. <u>    </u> Other <input type="checkbox"/>
16. Drilling additives used? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Describe: _____		7. Fine sand material: Manufacturer, product name & mesh size a. <u>#15 Red Flint</u> b. Volume added <u>    </u> ft <sup>3</sup>
17. Source of water (attach analysis, if required): _____		8. Filter pack material: Manufacturer, product name & mesh size a. <u>#40 Red Flint</u> b. Volume added <u>    </u> ft <sup>3</sup>
E. Bentonite seal, top	ft. MSL or <u>5</u> ft.	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"/>
F. Fine sand, top	ft. MSL or <u>2</u> ft.	10. Screen material: <u>PVC</u> a. Screen type: Factory cut <input checked="" type="checkbox"/> 11 Continuous slot <input type="checkbox"/> 01 Other <input type="checkbox"/>
G. Filter pack, top	ft. MSL or <u>3</u> ft.	b. Manufacturer <u>Monotlex</u> c. Slot size: <u>0.010</u> in. d. Slotted length: <u>70</u> ft.
H. Screen joint, top	ft. MSL or <u>4</u> ft.	11. Backfill material (below filter pack): None <input type="checkbox"/> 14 Other <input checked="" type="checkbox"/>
I. Well bottom	ft. MSL or <u>14</u> ft.	
J. Filter pack, bottom	ft. MSL or <u>14.5</u> ft.	
K. Borehole, bottom	ft. MSL or <u>14.5</u> ft.	
L. Borehole, diameter	<u>8.25</u> in.	
M. O.D. well casing	<u>2.40</u> in.	
N. I.D. well casing	<u>2.06</u> 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

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Facility/Project Name <b>Kopatz Property</b>	Local Grid Location of Well ft. <input type="checkbox"/> N. <input type="checkbox"/> S. <input type="checkbox"/> E. <input type="checkbox"/> W.		Well Name <b>MW-6</b>
Facility License, Permit or Monitoring No.	Local Grid Origin (estimated: <input type="checkbox"/> ) or Well Location <input type="checkbox"/> Lat. <b>45° 8' 14.2"</b> Long: <b>88° 1' 7"</b> or	Wis. Unique Well No. <b>V0535</b>   DNR Well ID No.	
Facility ID	St. Plane _____ ft. N. _____ ft. E. S/C/N	Date Well Installed <b>8/16/2014</b> m m d d y y y y	
Type of Well Well Code <b>11 / MW</b>	Section Location of Waste/Source <b>NE 1/4 of NW 1/4 of Sec. 28, T. 31 N, R. 20 W</b>		Well Installed By: Name (first, last) and Firm <b>Darrin Prentice</b> <b>Geiss Soil &amp; Samples LLC</b>
Distance from Waste/Source _____ ft.	Enf. Stds. Apply <input type="checkbox"/>	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	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: <b>8</b> in. b. Length: <b>1</b> 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 <b>0</b> 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 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 <sup>3</sup> 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. <b>#15 Red Flint</b> b. Volume added _____ ft <sup>3</sup>
17. Source of water (attach analysis, if required):	8. Filter pack material: Manufacturer, product name & mesh size a. <b>#40 Red Flint</b> b. Volume added _____ ft <sup>3</sup>
E. Bentonite seal, top _____ ft. MSL or <b>5</b> ft.	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"/>
F. Fine sand, top _____ ft. MSL or <b>2</b> ft.	10. Screen material: <b>PVC</b> a. Screen type: Factory cut <input checked="" type="checkbox"/> 11 Continuous slot <input type="checkbox"/> 01 Other <input type="checkbox"/>
G. Filter pack, top _____ ft. MSL or <b>3</b> ft.	b. Manufacturer <b>Monoflex</b> c. Slot size: <b>0.010</b> in. d. Slotted length: <b>70</b> ft.
H. Screen joint, top _____ ft. MSL or <b>4</b> ft.	11. Backfill material (below filter pack): None <input type="checkbox"/> 14 Other <input checked="" type="checkbox"/>
I. Well bottom _____ ft. MSL or <b>14</b> ft.	
J. Filter pack, bottom _____ ft. MSL or <b>14.5</b> ft.	
K. Borehole, bottom _____ ft. MSL or <b>14.5</b> ft.	
L. Borehole, diameter <b>8.25</b> in.	
M. O.D. well casing <b>2.40</b> in.	
N. I.D. well casing <b>2.06</b> 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**

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

Facility/Project Name <b>Kopatz Property</b>	Local Grid Location of Well ft. <input type="checkbox"/> N <input type="checkbox"/> S <input type="checkbox"/> E <input type="checkbox"/> W	Well Name <b>MW-7</b>
Facility License, Permit or Monitoring No.	Local Grid Origin (estimated: <input type="checkbox"/> ) or Well Location Lat. " Long. "	Wis. Unique Well No. <b>V0587</b> DNR Well ID No.
Facility ID	St. Plane ft. N. ft. E. S/C/N	Date Well Installed <b>05/18/2015</b> m m d d y y
Type of Well Well Code <b>11, MW</b>	Section Location of Waste/Source 1/4 of 1/4 of Sec. T. N. R. <input type="checkbox"/> E <input type="checkbox"/> W	Well Installed By: Name (first, last) and Firm <b>Darrin Prentice</b> <b>Geiss Soil &amp; Samples LLC</b>
Distance from Waste/Source ft. Apply <input type="checkbox"/>	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  Cap and lock?  Yes  No

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  S O  
 Hollow Stem Auger  4 1  
 Other

15. Drilling fluid used: Water  0 2 Air  0 1  
 Drilling Mud  0 3 None  9 9

16. Drilling additives used?  Yes  No  
 Describe \_\_\_\_\_

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

E. Bentonite seal, top ----- ft. MSL or **5** ft.

F. Fine sand, top ----- ft. MSL or **2** ft.

G. Filter pack, top ----- ft. MSL or **2.5** ft.

H. Screen joint, top ----- ft. MSL or **3** ft.

I. Well bottom ----- ft. MSL or **13** ft.

J. Filter pack, bottom ----- ft. MSL or **14** ft.

K. Borehole, bottom ----- ft. MSL or **14** ft.

L. Borehole, diameter **8.25** in.

M. O.D. well casing **2.40** in.

N. I.D. well casing **2.06** in.

2. Protective cover pipe:  
 a. Inside diameter: **8** in.  
 b. Length: **1** ft.  
 c. Material: Steel  0 4  
 Other   
 d. Additional protection?  Yes  No  
 If yes, describe: \_\_\_\_\_

3. Surface seal: Bentonite  3 0  
 Concrete  0 1  
 Other

4. Material between well casing and protective pipe:  
 Bentonite  3 0  
 Other

5. Annular space seal: a. Granular/Chipped Bentonite  3 3  
 b. \_\_\_\_\_ Lbs/gal mud weight \_\_\_\_\_ Bentonite-sand slurry  3 5  
 c. \_\_\_\_\_ Lbs/gal mud weight \_\_\_\_\_ Bentonite slurry  3 1  
 d. \_\_\_\_\_ % Bentonite \_\_\_\_\_ Bentonite-cement grout  5 0  
 e. \_\_\_\_\_ Ft<sup>3</sup> volume added for any of the above  
 f. How installed: Tremie  0 1  
 Tremie pumped  0 2  
 Gravity  0 8

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

7. Fine sand material: Manufacturer, product name & mesh size  
 a. **#15 Red Flint**  
 b. Volume added \_\_\_\_\_ ft<sup>3</sup>

8. Filter pack material: Manufacturer, product name & mesh size  
 a. **#40 Red Flint**  
 b. Volume added \_\_\_\_\_ ft<sup>3</sup>

9. Well casing: Flush threaded PVC schedule 40  2 3  
 Flush threaded PVC schedule 80  2 4  
 Other

10. Screen material: **PVC**  
 a. Screen type: Factory cut  1 1  
 Continuous slot  0 1  
 Other   
 b. Manufacturer **Johnson**  
 c. Slot size: **0.010** in.  
 d. Slotted length: **10** ft.

11. Backfill material (below filter pack): None  1 4  
 Other

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 <b>Kopatz Property</b>	Local Grid Location of Well ft. <input type="checkbox"/> N. <input type="checkbox"/> S. <input type="checkbox"/> E. <input type="checkbox"/> W.	Well Name <b>MW-8</b>
Facility License, Permit or Monitoring No.	Local Grid Origin (estimated: <input type="checkbox"/> ) or Well Location <input type="checkbox"/> Lat. " Long. " or " "	Wis. Unique Well No. <b>10588</b> DNR Well ID No.
Facility ID	St. Plane ft. N. ft. E. S/C/N	Date Well Installed <b>05/18/2015</b> m m d d y y v v y
Type of Well Well Code <b>11, MW</b>	Section Location of Waste/Source 1/4 of 1/4 of Sec. T. N. R. <input type="checkbox"/> E. <input type="checkbox"/> W.	Well Installed By: Name (first, last) and Firm <b>Darrin Prentice</b> <b>Geiss Soil &amp; Samples LLC</b>
Distance from Waste/Source ft. <input type="checkbox"/> Apply <input type="checkbox"/>	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	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.
C. Land surface elevation ----- ft. MSL	b. Length: ----- ft.
D. Surface seal, bottom ----- ft. MSL or ----- ft.	c. Material: Steel <input checked="" type="checkbox"/> 04 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 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"/>	d. Additional protection? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, describe: _____
13. Sieve analysis performed? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	3. Surface seal: Bentonite <input checked="" type="checkbox"/> 30 Concrete <input checked="" type="checkbox"/> 01 Other <input type="checkbox"/>
14. Drilling method used: Rotary <input type="checkbox"/> 50 Hollow Stem Auger <input checked="" type="checkbox"/> 41 Other <input type="checkbox"/>	4. Material between well casing and protective pipe: Bentonite <input type="checkbox"/> 30 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	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 <sup>3</sup> volume added for any of the above
16. Drilling additives used? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Describe _____	f. How installed: Tremie <input type="checkbox"/> 01 Tremie pumped <input type="checkbox"/> 02 Gravity <input checked="" type="checkbox"/> 08
17. Source of water (attach analysis, if required): _____	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"/>
E. Bentonite seal, top ----- ft. MSL or <b>0.5</b> ft.	7. Fine sand material: Manufacturer, product name & mesh size a. <b>#15 Red Flint</b>
F. Fine sand, top ----- ft. MSL or <b>2</b> ft.	b. Volume added ----- ft <sup>3</sup>
G. Filter pack, top ----- ft. MSL or <b>2.5</b> ft.	8. Filter pack material: Manufacturer, product name & mesh size a. <b>#40 Red Flint</b>
H. Screen joint, top ----- ft. MSL or <b>3</b> ft.	b. Volume added ----- ft <sup>3</sup>
I. Well bottom ----- ft. MSL or <b>13</b> ft.	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"/>
J. Filter pack, bottom ----- ft. MSL or <b>14</b> ft.	10. Screen material: <b>PVC</b> a. Screen type: Factory cut <input checked="" type="checkbox"/> 11 Continuous slot <input type="checkbox"/> 01 Other <input type="checkbox"/>
K. Borehole, bottom ----- ft. MSL or <b>14</b> ft.	b. Manufacturer <b>Johnson</b>
L. Borehole, diameter <b>8.25</b> in.	c. Slot size: <b>0.010</b> in.
M. O.D. well casing <b>2.40</b> in.	d. Slotted length: <b>10</b> ft.
N. I.D. well casing <b>2.06</b> in.	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**

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.

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

Facility/Project Name Kopatz/Cronce Property	County Name MARINETTE	Well Name MW-2
Facility License, Permit or Monitoring Number	County Code 38	Wis. Unique Well Number VO531
		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"/>	4 1
surged with bailer and pumped	<input checked="" type="checkbox"/>	6 1
surged with block and bailed	<input type="checkbox"/>	4 2
surged with block and pumped	<input type="checkbox"/>	6 2
surged with block, bailed and pumped	<input type="checkbox"/>	7 0
compressed air	<input type="checkbox"/>	2 0
bailed only	<input type="checkbox"/>	1 0
pumped only	<input type="checkbox"/>	5 1
pumped slowly	<input type="checkbox"/>	5 0
Other _____	<input type="checkbox"/>	

3. Time spent developing well 40 min.

4. Depth of well (from top of well casing) 12 ft.

5. Inside diameter of well 2 in.

6. Volume of water in filter pack and well casing 9.5 gal.

7. Volume of water removed from well 18 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>3.35</u> ft.	<u>9.85</u> ft.
Date	b. <u>04</u> / <u>17</u> / <u>2014</u>	<u>4</u> / <u>17</u> / <u>2014</u>
Time	c. <u>11</u> : <u>30</u> <input checked="" type="checkbox"/> a.m. <input type="checkbox"/> p.m.	<u>12</u> : <u>10</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>Light Tan</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

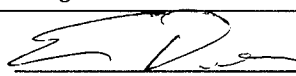
First Name: Eric Last Name: Dahl

Facility/Firm: METCO

Street: 709 Gillette Street, Ste 3

City/State/Zip: La Crosse WI 54603-

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 Kopatz/Cronce Property	County Name MARINETTE	Well Name MW-3
Facility License, Permit or Monitoring Number	County Code 38	Wis. Unique Well Number VO532
		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 30 min.
4. Depth of well (from top of well casing) 14 ft.
5. Inside diameter of well 2 in.
6. Volume of water in filter pack and well casing 10.2 gal.
7. Volume of water removed from well 16 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>4.7</u> ft.   | <u>13</u> ft.   |
| Date  | b. <u>04</u> / <u>17</u> / <u>2014</u>  | <u>4</u> / <u>17</u> / <u>2014</u>  |
|   | m m d d y y y y   | m m d d y y y y   |
| Time  | c. <u>10</u> : <u>15</u> <input checked="" type="checkbox"/> a.m. <input type="checkbox"/> p.m.                 | <u>10</u> : <u>45</u> <input checked="" type="checkbox"/> a.m. <input type="checkbox"/> p.m.                          |
| 12. Sediment in well bottom   | _____ inches  | _____ inches  |
| 13. Water clarity   | Clear <input type="checkbox"/> 1 0<br>Turbid <input checked="" type="checkbox"/> 1 5<br>(Describe)<br>Tan _____ | Clear <input checked="" type="checkbox"/> 2 0<br>Turbid <input type="checkbox"/> 2 5<br>(Describe)<br>Light Tan _____ |
|   | High 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: Eric Last Name: Dahl

Facility/Firm: METCO

Street: 709 Gillette Street, Ste 3

City/State/Zip: La Crosse WI 54603-

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

Signature: 

Print Name: Eric Dahl

Firm: METCO

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

Facility/Project Name Kopatz/Cronce Property	County Name MARINETTE	Well Name MW-4
Facility License, Permit or Monitoring Number	County Code 38	Wis. Unique Well Number VO533
		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 60 min.

4. Depth of well (from top of well casing) 12 ft.

5. Inside diameter of well 2 in.

6. Volume of water in filter pack and well casing 11.1 gal.

7. Volume of water removed from well 22 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)

11. Depth to Water Before Development After Development

(from top of well casing) a. 1.95 ft. 10.02 ft.

Date b. 04 / 17 / 2014 4 / 17 / 2014  
m m d d y y y y m m d d y y y y

Time c. 08 : 30  a.m. 09 : 30  a.m.  
 p.m.  p.m.

12. Sediment in well bottom \_\_\_\_\_ inches \_\_\_\_\_ inches

13. Water clarity Clear  1 0 Clear  2 0  
Turbid  1 5 Turbid  2 5  
(Describe) (Describe)  
Brown Light Tan

High Turbidity Low Turbidity

Fill in if drilling fluids were used and well is at solid waste facility:

14. Total suspended \_\_\_\_\_ mg/l \_\_\_\_\_ mg/l  
solids

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:

Putged dry 5 times

Name and Address of Facility Contact /Owner/Responsible Party

First Name: Eric Last Name: Dahl

Facility/Firm: METCO

Street: 709 Gillette Street, Ste 3

City/State/Zip: La Crosse WI 54603-

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

Signature: 

Print Name: Eric Dahl

Firm: METCO

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

Facility/Project Name Kopatz/Cronce Property	County Name MARINETTE	Well Name MW-5	
Facility License, Permit or Monitoring Number	County Code 38	Wis. Unique Well Number VO534	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 55 min.

4. Depth of well (from top of well casing) 14 ft.

5. Inside diameter of well 2 in.

6. Volume of water in filter pack and well casing 6.1 gal.

7. Volume of water removed from well 15 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)

11. Depth to Water Before Development After Development

(from top of well casing) a. 8.5 ft. 11.86 ft.

Date b. 04 / 16 / 2014 4 / 16 / 2014  
m m d d y y y y m m d d y y y y

Time c. 03 : 25  a.m.  p.m. 04 : 20  a.m.  p.m.

12. Sediment in well bottom \_\_\_\_\_ inches \_\_\_\_\_ inches

13. Water clarity Clear  1 0 Clear  2 0  
Turbid  1 5 Turbid  2 5  
(Describe) (Describe)  
Tan Light Tan

Medium Turbidity Low Turbidity

Fill in if drilling fluids were used and well is at solid waste facility:

14. Total suspended \_\_\_\_\_ mg/l \_\_\_\_\_ mg/l  
solids

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: Eric Last Name: Dahl

Facility/Firm: METCO

Street: 709 Gillette Street, Ste 3

City/State/Zip: La Crosse WI 54603-

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

Signature:

Print Name: Eric Dahl

Firm: METCO

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

Facility/Project Name Kopatz/Cronce Property	County Name MARINETTE	Well Name MW-6
Facility License, Permit or Monitoring Number	County Code 38	Wis. Unique Well Number VO535
		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 70 min.

4. Depth of well (from top of well casing) 14 ft.

5. Inside diameter of well 2 in.

6. Volume of water in filter pack and well casing 8 gal.

7. Volume of water removed from well 15 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)

11. Depth to Water Before Development After Development

(from top of well casing) a. 6.69 ft. 11.88 ft.

Date b. 04 / 16 / 2014 4 / 16 / 2014  
m m d d y y y y m m d d y y y y

Time c. 02 : 10  a.m. 03 : 20  p.m.

12. Sediment in well bottom \_\_\_\_\_ inches \_\_\_\_\_ inches

13. Water clarity Clear  1 0 Clear  2 0  
Turbid  1 5 Turbid  2 5  
(Describe) (Describe)  
Tan Light Tan

Medium Turbidity Low Turbidity

Fill in if drilling fluids were used and well is at solid waste facility:

14. Total suspended \_\_\_\_\_ mg/l \_\_\_\_\_ mg/l  
solids

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: Eric Last Name: Dahl

Facility/Firm: METCO

Street: 709 Gillette Street, Ste 3

City/State/Zip: La Crosse WI 54603-

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

Signature: 

Print Name: Eric Dahl

Firm: METCO

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

Facility/Project Name Kopatz Property	County Name MARINETTE	Well Name MW-7
Facility License, Permit or Monitoring Number	County Code 38	Wis. Unique Well Number VO587
		DNR Well ID Number

1. Can this well be purged dry?  Yes  No

2. Well development method

surged with bailer and bailed	<input checked="" type="checkbox"/>	4 1
surged with bailer and pumped	<input type="checkbox"/>	6 1
surged with block and bailed	<input type="checkbox"/>	4 2
surged with block and pumped	<input type="checkbox"/>	6 2
surged with block, bailed and pumped	<input type="checkbox"/>	7 0
compressed air	<input type="checkbox"/>	2 0
bailed only	<input type="checkbox"/>	1 0
pumped only	<input type="checkbox"/>	5 1
pumped slowly	<input type="checkbox"/>	5 0
Other _____	<input type="checkbox"/>	

3. Time spent developing well 70 min.

4. Depth of well (from top of well casing) 13 ft.

5. Inside diameter of well 2 in.

6. Volume of water in filter pack and well casing 5.8 gal.

7. Volume of water removed from well 10 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>7.77</u> ft.	<u>10.84</u> ft.
Date	b. <u>05</u> / <u>18</u> / <u>2015</u>	<u>5</u> / <u>18</u> / <u>015</u>
Time	c. <u>12</u> : <u>25</u> <input type="checkbox"/> a.m. <input checked="" type="checkbox"/> p.m.	<u>01</u> : <u>35</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) Tan _____	Clear <input checked="" type="checkbox"/> 2 0 Turbid <input type="checkbox"/> 2 5 (Describe) Clear _____
	High 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:

Name and Address of Facility Contact /Owner/Responsible Party

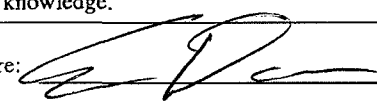
First Name: Dennis Last Name: Kopatz

Facility/Firm: \_\_\_\_\_

Street: N4510 Schacht Road

City/State/Zip: Marinette WI 54143-

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 Kopatz Property	County Name MARINETTE	Well Name MW-8
Facility License, Permit or Monitoring Number	County Code 38	Wis. Unique Well Number VO588
		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"/>	4 1
surged with bailer and pumped	<input checked="" type="checkbox"/>	6 1
surged with block and bailed	<input type="checkbox"/>	4 2
surged with block and pumped	<input type="checkbox"/>	6 2
surged with block, bailed and pumped	<input type="checkbox"/>	7 0
compressed air	<input type="checkbox"/>	2 0
bailed only	<input type="checkbox"/>	1 0
pumped only	<input type="checkbox"/>	5 1
pumped slowly	<input type="checkbox"/>	5 0
Other _____	<input type="checkbox"/>	

3. Time spent developing well 25 min.

4. Depth of well (from top of well casing) 13 ft.

5. Inside diameter of well 2 in.

6. Volume of water in filter pack and well casing 7.8 gal.

7. Volume of water removed from well 15 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>5.9</u> ft.	<u>10.7</u> ft.
Date	b. <u>05</u> / <u>18</u> / <u>2015</u>	<u>5</u> / <u>18</u> / <u>015</u>
	m m d d y y y y	m m d d y y y y
Time	c. <u>01</u> : <u>05</u> <input type="checkbox"/> a.m. <input checked="" type="checkbox"/> p.m.	<u>01</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>Light Gray</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

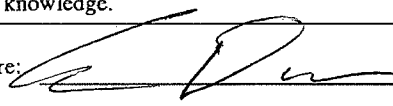
First Name: Dennis Last Name: Kopatz

Facility/Firm: \_\_\_\_\_

Street: N4510 Schacht Road

City/State/Zip: Marinette WI 54143-

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

<b>(1) GENERAL INFORMATION</b>		<b>(2) FACILITY/ OWNER INFORMATION</b>	
WI Unique Well No.	DNR Well ID No.	County <b>MARINETTE</b>	
Common Well Name <u>G-1</u> Gov't Lot (if applicable)		Facility Name Kopatz/Cronce Property	Facility ID <b>438109760</b>
Grid Location <u>NE</u> 1/4 of <u>NW</u> 1/4 of Sec. <u>28</u> ; T. <u>31</u> N; R. <u>2</u> <input checked="" type="checkbox"/> E <input type="checkbox"/> W		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 8317 County Highway P	
Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/> ) or Well Location <input type="checkbox"/>		City, Village, or Town Crivitz	
Lat. <u>45</u> ° <u>8</u> ' <u>14.2</u> " Long <u>88</u> ° <u>8</u> ' <u>7</u> " or		Present Well Owner Dennis Kopatz	
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 N4510 Schacht Rd	
WI Unique Well No. of Replacement Well _____		City, State, Zip Code Marinette WI 54143-	

<b>(3) WELL/DRILLHOLE/BOREHOLE INFORMATION</b>		<b>(4) PUMP, LINER, SCREEN, CASING, &amp; SEALING MATERIAL</b>	
Original Construction Date <u>4/9/2013</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 checked="" type="checkbox"/> No	
If a Well Construction Report is available, please attach.		Was Casing Cut Off Below Surface? <input checked="" 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>12</u> Casing Diameter (in.) <u>2</u>		<input type="checkbox"/> Screened & Poured (Bentonite Chips) <input checked="" type="checkbox"/> Other (Explain) <u>Gravity</u>	
(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>7</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
Bentonite Chips	Surface	12	18	

(6) Comments: Abandoned by Geiss under METCO supervision.

<b>(7) Name of Person or Firm Doing Sealing Work</b>		<b>Date of Abandonment</b>	
Eric Dahl (METCO)		4/9/2013	
Signature of Person Doing Work		Date Signed	
		5/13/13	
Street or Route		Telephone Number	
709 Gillette St. Ste. 3		(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 <b>MARINETTE</b>	Facility Name Kopatz/Cronce Property	
Common Well Name <u>G-2</u>		Gov't Lot (If applicable)	Facility ID <b>438109760</b>	License/Permit/Monitoring No.
Grid Location <u>NE 1/4 of NW 1/4 of Sec. 28</u> ; T. <u>31</u> N; R. <u>2</u> <input checked="" type="checkbox"/> E <input type="checkbox"/> W			Street Address of Well 8317 County Highway P	
ft. <input type="checkbox"/> N. <input type="checkbox"/> S., _____ ft. <input type="checkbox"/> E. <input type="checkbox"/> W.			City, Village, or Town Crivitz	
Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/> ) or Well Location <input type="checkbox"/>			Present Well Owner Dennis Kopatz	
Lat. <u>45</u> ° <u>8</u> ' <u>14.2</u> " Long <u>88</u> ° <u>8</u> ' <u>7</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 N4510 Schacht Rd	
Reason For Abandonment Sampling complete		WI Unique Well No. of Replacement Well _____	City, State, Zip Code Marinette WI 54143-	

(3) WELL/DRILLHOLE/BOREHOLE INFORMATION		(4) PUMP, LINER, SCREEN, CASING, & SEALING MATERIAL			
Original Construction Date <u>4/9/2013</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 checked="" type="checkbox"/> No			
Construction Type: <input type="checkbox"/> Drilled <input type="checkbox"/> Driven (Sandpoint) <input type="checkbox"/> Dug		Was Casing Cut Off Below Surface? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			
<input checked="" type="checkbox"/> Other (Specify) <u>Geoprobe</u>		Did Sealing Material Rise to Surface? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			
Formation Type: <input checked="" type="checkbox"/> Unconsolidated Formation <input type="checkbox"/> Bedrock		Did Material Settle After 24 Hours? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
Total Well Depth (ft.) <u>12</u> Casing Diameter (in.) <u>2</u>		If Yes, Was Hole Retopped? <input type="checkbox"/> Yes <input type="checkbox"/> No			
(From ground surface) Casing Depth (ft.) _____		Required Method of Placing Sealing Material			
Lower Drillhole Diameter (in.) <u>2</u>		<input type="checkbox"/> Conductor Pipe-Gravity <input type="checkbox"/> Conductor Pipe-Pumped			
Was Well Annular Space Grouted? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown		<input type="checkbox"/> Screened & Poured (Bentonite Chips) <input checked="" type="checkbox"/> Other (Explain) Gravity			
If Yes, To What Depth? _____ Feet		Sealing Materials			
Depth to Water (Feet) <u>7</u>		<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 type="checkbox"/> Bentonite Chips <input checked="" 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
	Bentonite Chips	Surface	12	18	

(6) Comments: Abandoned by Geiss under METCO supervision.

(7) Name of Person or Firm Doing Sealing Work Eric Dahl (METCO)		Date of Abandonment 4/9/2013	
Signature of Person Doing Work 		Date Signed 5/13/13	
Street or Route 709 Gillette St. Ste. 3		Telephone Number ( 608 ) 781-8879	
City, State, Zip Code LaCrosse WI 54603-			

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Date Received	Noted By
Comments	



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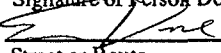
Route to:  Drinking Water  Watershed/Wastewater  Waste Management  Remediation/Redevelopment  Other \_\_\_\_\_

<b>(1) GENERAL INFORMATION</b>		<b>(2) FACILITY / OWNER INFORMATION</b>	
WI Unique Well No.	DNR Well ID No.	County <b>MARINETTE</b>	
Common Well Name <u>G-3</u> Gov't Lot (If applicable)		Facility Name <u>Kopatz/Cronce Property</u>	Facility ID <u>438109760</u>
Grid Location <u>NE 1/4 of NW 1/4 of Sec. 28 ; T. 31 N; R. 2 E</u>		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>8317 County Highway P</u>	
Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/> ) or Well Location <input type="checkbox"/>		City, Village, or Town <u>Crivitz</u>	
Lat. <u>45° 8' 14.2"</u> Long <u>88° 8' 7"</u> or		Present Well Owner <u>Dennis Kopatz</u>	
St. Plane _____ ft. N. _____ ft. E. <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Zone		Original Owner	
Reason For Abandonment <u>Sampling complete</u>		Street Address or Route of Owner <u>N4510 Schacht Rd</u>	
WI Unique Well No. of Replacement Well _____		City, State, Zip Code <u>Marinette WI 54143-</u>	

<b>(3) WELL/DRILLHOLE/BOREHOLE INFORMATION</b>		<b>(4) PUMP, LINER, SCREEN, CASING, &amp; SEALING MATERIAL</b>	
Original Construction Date <u>4/9/2013</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 checked="" type="checkbox"/> No	
Construction Type: <input type="checkbox"/> Drilled <input type="checkbox"/> Driven (Sandpoint) <input type="checkbox"/> Dug		Was Casing Cut Off Below Surface? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
<input checked="" type="checkbox"/> Other (Specify) <u>Geoprobe</u>		Did Sealing Material Rise to Surface? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Formation Type: <input checked="" type="checkbox"/> Unconsolidated Formation <input type="checkbox"/> Bedrock		Did Material Settle After 24 Hours? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Total Well Depth (ft.) <u>8</u> Casing Diameter (in.) <u>2</u>		If Yes, Was Hole Retopped? <input type="checkbox"/> Yes <input type="checkbox"/> No	
(From ground surface) Casing Depth (ft.) _____		Required Method of Placing Sealing Material	
Lower Drillhole Diameter (in.) <u>2</u>		<input type="checkbox"/> Conductor Pipe-Gravity <input type="checkbox"/> Conductor Pipe-Pumped	
Was Well Annular Space Grouted? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown		<input type="checkbox"/> Screened & Poured (Bentonite Chips) <input checked="" type="checkbox"/> Other (Explain) Gravity	
If Yes, To What Depth? _____ Feet		Sealing Materials	
Depth to Water (Feet) <u>3</u>		For monitoring wells and monitoring well boreholes only	

(5)	Material Used To Fill Well/Drillhole	From (Ft.)	To (Ft.)	lbs. Sealant	Mix Ratio or Mud Weight
	Bentonite Chips	Surface	8	12	

(6) Comments: Abandoned by Geiss under METCO supervision.

<b>(7) Name of Person or Firm Doing Sealing Work</b>		<b>Date of Abandonment</b>	
<u>Eric Dahl (METCO)</u>		<u>4/9/2013</u>	
Signature of Person Doing Work 		Date Signed <u>5/13/13</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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Date Received	Noted By
Comments	

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

<b>(1) GENERAL INFORMATION</b>			<b>(2) FACILITY / OWNER INFORMATION</b>	
WI Unique Well No.	DNR Well ID No.	County MARINETTE	Facility Name Kopatz/Cronce Property	
Common Well Name G-4 Gov't Lot (If applicable)			Facility ID 438109760	License/Permit/Monitoring No.
Grid Location NE 1/4 of NW 1/4 of Sec. 28 ; T. 31 N; R. 2 <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 8317 County Highway P	
Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/> ) or Well Location <input type="checkbox"/>			City, Village, or Town Crivitz	
Lat. 45° 8' 14.2" Long 88° 8' 7" or			Present Well Owner Dennis Kopatz	Original Owner
St. Plane _____ ft. N. _____ ft. E. <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Zone			Street Address or Route of Owner N4510 Schacht Rd	
Reason For Abandonment Sampling complete		WI Unique Well No. of Replacement Well _____	City, State, Zip Code Marinette WI 54143-	

<b>(3) WELL/DRILLHOLE/BOREHOLE INFORMATION</b>		<b>(4) PUMP, LINER, SCREEN, CASING, &amp; SEALING MATERIAL</b>	
Original Construction Date 4/9/2013		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 <input checked="" type="checkbox"/> Other (Specify) Geoprobe		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 checked="" type="checkbox"/> No	
Total Well Depth (ft.) 16 Casing Diameter (in.) 2 (From ground surface) Casing Depth (ft.) _____		Was Casing Cut Off Below Surface? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Lower Drillhole Diameter (in.) 2		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	
Depth to Water (Feet) 6		If Yes, Was Hole Retopped? <input type="checkbox"/> Yes <input type="checkbox"/> No	
		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 type="checkbox"/> Bentonite Chips <input checked="" 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
	Bentonite Chips	Surface	16	24	

(6) Comments: Abandoned by Geiss under METCO supervision.

<b>(7) Name of Person or Firm Doing Sealing Work</b>		<b>Date of Abandonment</b>	
Eric Dahl (METCO)		4/9/2013	
Signature of Person Doing Work		Date Signed	
		5/13/13	
Street or Route		Telephone Number	
709 Gillette St. Ste. 3		( 608 ) 781-8879	
City, State, Zip Code			
LaCrosse WI		54603-	

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

<b>(1) GENERAL INFORMATION</b>		<b>(2) FACILITY/ OWNER INFORMATION</b>	
WI Unique Well No.	DNR Well ID No.	County <b>MARINETTE</b>	
Common Well Name <u>G-5</u> Gov't Lot (If applicable)		Facility Name Kopatz/Cronce Property	Facility ID <b>438109760</b>
NE <u>1/4</u> of NW <u>1/4</u> of Sec. <u>28</u> ; T. <u>31</u> N; R. <u>2</u> <input checked="" type="checkbox"/> E <input type="checkbox"/> W Grid Location _____ 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 <b>8317 County Highway P</b>	
Lat. <u>45</u> ° <u>8</u> ' <u>14.2</u> " Long <u>88</u> ° <u>8</u> ' <u>7</u> " or _____ " or _____ "		City, Village, or Town <b>Crivitz</b>	
St. Plane _____ ft. N. _____ ft. E. <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Zone		Present Well Owner <b>Dennis Kopatz</b>	Original Owner
Reason For Abandonment Sampling complete		Street Address or Route of Owner <b>N4510 Schacht Rd</b>	
WI Unique Well No. of Replacement Well _____		City, State, Zip Code <b>Marinette WI 54143-</b>	

<b>(3) WELL/DRILLHOLE/BOREHOLE INFORMATION</b>		<b>(4) PUMP, LINER, SCREEN, CASING, &amp; SEALING MATERIAL</b>	
Original Construction Date <u>4/9/2013</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 checked="" type="checkbox"/> No	
Total Well Depth (ft.) <u>12</u> Casing Diameter (in.) <u>2</u> (From ground surface) Casing Depth (ft.) _____		Was Casing Cut Off Below Surface? <input checked="" 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>7</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>	
		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 type="checkbox"/> Bentonite Chips	
		<input type="checkbox"/> Bentonite Chips	
		<input checked="" 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
Bentonite Chips	Surface	12	18	

(6) Comments: Abandoned by Geiss under METCO supervision.

<b>(7) Name of Person or Firm Doing Sealing Work</b>		<b>Date of Abandonment</b>	
Eric Dahl (METCO)		4/9/2013	
Signature of Person Doing Work <i>[Signature]</i>		Date Signed <u>5/13/13</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 \_\_\_\_\_

<b>(1) GENERAL INFORMATION</b>			<b>(2) FACILITY/ OWNER INFORMATION</b>	
WI Unique Well No.	DNR Well ID No.	County <b>MARINETTE</b>	Facility Name Kopatz/Cronce Property	
Common Well Name <u>G-6</u>		Gov't Lot (If applicable)	Facility ID <b>438109760</b>	License/Permit/Monitoring No.
Grid Location <u>NE</u> 1/4 of <u>NW</u> 1/4 of Sec. <u>28</u> ; T. <u>31</u> N; R. <u>2</u> <input checked="" type="checkbox"/> E <input type="checkbox"/> W			Street Address of Well 8317 County Highway P	
_____ ft. <input type="checkbox"/> N. <input type="checkbox"/> S., _____ ft. <input type="checkbox"/> E. <input type="checkbox"/> W.			City, Village, or Town Crivitz	
Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/> ) or Well Location <input type="checkbox"/>			Present Well Owner Dennis Kopatz	Original Owner
Lat. <u>45</u> ° <u>8</u> ' <u>14.2</u> " Long <u>88</u> ° <u>8</u> ' <u>7</u> " or			Street Address or Route of Owner N4510 Schacht Rd	
St. Plane _____ ft. N. _____ ft. E. <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Zone			City, State, Zip Code Marinette WI 54143-	
Reason For Abandonment Sampling complete		WI Unique Well No. of Replacement Well _____		

<b>(3) WELL/DRILLHOLE/BOREHOLE INFORMATION</b>		<b>(4) PUMP, LINER, SCREEN, CASING, &amp; SEALING MATERIAL</b>			
Original Construction Date <u>4/9/2013</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 checked="" type="checkbox"/> No			
Total Well Depth (ft.) <u>12</u> Casing Diameter (in.) <u>2</u> (From ground surface) Casing Depth (ft.) _____		Was Casing Cut Off Below Surface? <input checked="" 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>7</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 type="checkbox"/> Bentonite Chips	
		<input type="checkbox"/> Sand-Cement (Concrete) Grout		<input checked="" 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 Chips			

(5) Material Used To Fill Well/Drillhole	From (Ft.)	To (Ft.)	lbs. Sealant	Mix Ratio or Mud Weight
Bentonite Chips	Surface	12	18	

(6) Comments: Abandoned by Geiss under METCO supervision.

(7) Name of Person or Firm Doing Sealing Work Eric Dahl (METCO)		Date of Abandonment 4/9/2013
Signature of Person Doing Work <i>E Dahl</i>		Date Signed 5/13/13
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 \_\_\_\_\_

<b>(1) GENERAL INFORMATION</b>			<b>(2) FACILITY/ OWNER INFORMATION</b>	
WI Unique Well No.	DNR Well ID No.	County <b>MARINETTE</b>	Facility Name Kopatz/Cronce Property	
Common Well Name <u>G-7</u> Gov't Lot (If applicable)			Facility ID <b>438109760</b>	License/Permit/Monitoring No.
Grid Location <u>NE</u> 1/4 of <u>NW</u> 1/4 of Sec. <u>28</u> ; T. <u>31</u> N; R. <u>2</u> <input checked="" type="checkbox"/> E <input type="checkbox"/> W			Street Address of Well <b>8317 County Highway P</b>	
_____ ft. <input type="checkbox"/> N. <input type="checkbox"/> S., _____ ft. <input type="checkbox"/> E. <input type="checkbox"/> W.			City, Village, or Town <b>Crivitz</b>	
Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/> ) or Well Location <input type="checkbox"/>			Present Well Owner <b>Dennis Kopatz</b>	
Lat. <u>45</u> ° <u>8</u> ' <u>14.2</u> " Long <u>88</u> ° <u>8</u> ' <u>7</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 <b>N4510 Schacht Rd</b>	
Reason For Abandonment Sampling complete		WI Unique Well No. of Replacement Well _____	City, State, Zip Code <b>Marinette WI 54143-</b>	

<b>(3) WELL/DRILLHOLE/BOREHOLE INFORMATION</b>		<b>(4) PUMP, LINER, SCREEN, CASING, &amp; SEALING MATERIAL</b>			
Original Construction Date <u>4/9/2013</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 checked="" type="checkbox"/> No			
Total Well Depth (ft.) <u>12</u> Casing Diameter (in.) <u>2</u> (From ground surface) Casing Depth (ft.) _____		Was Casing Cut Off Below Surface? <input checked="" 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>7</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 type="checkbox"/> Sand-Cement (Concrete) Grout <input type="checkbox"/> Bentonite Chips <input type="checkbox"/> Concrete <input checked="" type="checkbox"/> Granular Bentonite <input type="checkbox"/> Clay-Sand Slurry (11 lb./gal. wt.) <input type="checkbox"/> Bentonite - Cement Grout <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
	Bentonite Chips	Surface	12	18	

(6) Comments: Abandoned by Geiss under METCO supervision.

<b>(7) Name of Person or Firm Doing Sealing Work</b>		<b>Date of Abandonment</b>	
<b>Eric Dahl (METCO)</b>		<b>4/9/2013</b>	
Signature of Person Doing Work <i>[Signature]</i>		Date Signed <b>5/13/13</b>	
Street or Route <b>709 Gillette St. Ste. 3</b>		Telephone Number <b>( 608 ) 781-8879</b>	
City, State, Zip Code <b>LaCrosse WI 54603-</b>			

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Date Received	Noted By
Comments	

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

<b>(1) GENERAL INFORMATION</b>		<b>(2) FACILITY / OWNER INFORMATION</b>	
WI Unique Well No.	DNR Well ID No.	County <b>MARINETTE</b>	
Common Well Name <u>G-8</u> Gov't Lot (If applicable)		Facility Name <u>Kopatz/Cronce Property</u>	Facility ID <u>438109760</u>
Grid Location <u>NE 1/4 of NW 1/4 of Sec. 28 ; T. 31 N; R. 2</u> <input checked="" type="checkbox"/> E <input type="checkbox"/> W		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>8317 County Highway P</u>	
Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/> ) or Well Location <input type="checkbox"/>		City, Village, or Town <u>Crivitz</u>	
Lat. <u>45° 8' 14.2"</u> Long <u>88° 8' 7"</u> or		Present Well Owner <u>Dennis Kopatz</u>	
St. Plane _____ ft. N. _____ ft. E. <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Zone		Original Owner	
Reason For Abandonment <u>Sampling complete</u>		Street Address or Route of Owner <u>N4510 Schacht Rd</u>	
WI Unique Well No. of Replacement Well _____		City, State, Zip Code <u>Marinette WI 54143-</u>	

<b>(3) WELL/DRILLHOLE/BOREHOLE INFORMATION</b>		<b>(4) PUMP, LINER, SCREEN, CASING, &amp; SEALING MATERIAL</b>	
Original Construction Date <u>4/9/2013</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 checked="" type="checkbox"/> No	
Total Well Depth (ft.) <u>12</u> Casing Diameter (in.) <u>2</u> (From ground surface) Casing Depth (ft.) _____		Was Casing Cut Off Below Surface? <input checked="" 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>7</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 type="checkbox"/> Bentonite Chips	
		<input type="checkbox"/> Sand-Cement (Concrete) Grout <input checked="" 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
	Bentonite Chips	Surface	12	18	

(6) Comments: Abandoned by Geiss under METCO supervision.

<b>(7) Name of Person or Firm Doing Sealing Work</b>		Date of Abandonment	
<u>Eric Dahl (METCO)</u>		<u>4/9/2013</u>	
Signature of Person Doing Work		Date Signed	
		<u>5/13/13</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 \_\_\_\_\_

<b>(1) GENERAL INFORMATION</b>			<b>(2) FACILITY/ OWNER INFORMATION</b>	
WI Unique Well No.	DNR Well ID No.	County <b>MARINETTE</b>	Facility Name Kopatz/Cronce Property	
Common Well Name <u>G-9</u> Gov't Lot (if applicable)			Facility ID <b>438109760</b>	License/Permit/Monitoring No.
NE <u>1/4</u> of NW <u>1/4</u> of Sec. <u>28</u> ; T. <u>31</u> N; R. <u>2</u> <input checked="" type="checkbox"/> E <input type="checkbox"/> W Grid Location _____ ft. <input type="checkbox"/> N. <input type="checkbox"/> S., _____ ft. <input type="checkbox"/> E. <input type="checkbox"/> W.			Street Address of Well <b>8317 County Highway P</b>	
Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/> ) or Well Location <input type="checkbox"/>			City, Village, or Town <b>Crivitz</b>	
Lat. <u>45</u> ° <u>8</u> ' <u>14.2</u> " Long <u>88</u> ° <u>8</u> ' <u>7</u> " or			Present Well Owner <b>Dennis Kopatz</b>	
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 <b>N4510 Schacht Rd</b>	
			City, State, Zip Code <b>Marinette WI 54143-</b>	

<b>(3) WELL/DRILLHOLE/BOREHOLE INFORMATION</b>		<b>(4) PUMP, LINER, SCREEN, CASING, &amp; SEALING MATERIAL</b>			
Original Construction Date <u>4/9/2013</u>		Pump & Piping Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable Liner(s) Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable Screen Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable Casing Left in Place? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
<input type="checkbox"/> Monitoring Well <input type="checkbox"/> Water Well <input checked="" type="checkbox"/> Borehole / Drillhole		Was Casing Cut Off Below Surface? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Did Sealing Material Rise to Surface? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No 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			
Construction Type: <input type="checkbox"/> Drilled <input type="checkbox"/> Driven (Sandpoint) <input type="checkbox"/> Dug <input checked="" type="checkbox"/> Other (Specify) <u>Geoprobe</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>			
Formation Type: <input checked="" type="checkbox"/> Unconsolidated Formation <input type="checkbox"/> Bedrock		Sealing Materials For monitoring wells and monitoring well boreholes only <input type="checkbox"/> Neat Cement Grout <input type="checkbox"/> Bentonite Chips <input type="checkbox"/> Sand-Cement (Concrete) Grout <input checked="" 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			
Total Well Depth (ft.) <u>12</u> Casing Diameter (in.) <u>2</u> (From ground surface) Casing Depth (ft.) _____ Lower Drillhole Diameter (in.) <u>2</u>		Was Well Annular Space Grouted? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown If Yes, To What Depth? _____ Feet Depth to Water (Feet) <u>7</u>			

(5)	Material Used To Fill Well/Drillhole	From (Ft.)	To (Ft.)	lbs. Sealant	Mix Ratio or Mud Weight
	Bentonite Chips	Surface	12	18	

(6) Comments: Abandoned by Geiss under METCO supervision.

(7) Name of Person or Firm Doing Sealing Work <b>Eric Dahl (METCO)</b>		Date of Abandonment <b>4/9/2013</b>
Signature of Person Doing Work <i>[Signature]</i>		Date Signed <b>5/13/13</b>
Street or Route <b>709 Gillette St. Ste. 3</b>		Telephone Number <b>(608) 781-8879</b>
City, State, Zip Code <b>LaCrosse WI 54603-</b>		

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

<b>(1) GENERAL INFORMATION</b>			<b>(2) FACILITY / OWNER INFORMATION</b>	
WI Unique Well No.	DNR Well ID No.	County <b>MARINETTE</b>	Facility Name Kopatz/Cronce Property	
Common Well Name <u>G-10</u> Gov't Lot (If applicable) <u>NE 1/4 of NW 1/4 of Sec. 28</u> ; T. <u>31</u> N; R. <u>2</u> <input checked="" type="checkbox"/> E <input type="checkbox"/> W Grid Location _____ ft. <input type="checkbox"/> N. <input type="checkbox"/> S, _____ ft. <input type="checkbox"/> E. <input type="checkbox"/> W. Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/> ) or Well Location <input type="checkbox"/> Lat. <u>45</u> ° <u>8</u> ' <u>14.2</u> " Long <u>88</u> ° <u>8</u> ' <u>7</u> " or St. Plane _____ ft. N. _____ ft. E. <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Zone			Facility ID <u>438109760</u> License/Permit/Monitoring No.	
Reason For Abandonment Sampling complete			Street Address of Well <u>8317 County Highway P</u>	
WI Unique Well No. of Replacement Well _____			City, Village, or Town <u>Crivitz</u>	
			Present Well Owner <u>Dennis Kopatz</u> Original Owner	
			Street Address or Route of Owner <u>N4510 Schacht Rd</u>	
			City, State, Zip Code <u>Marinette WI 54143-</u>	

<b>(3) WELL/DRILLHOLE/BOREHOLE INFORMATION</b>		<b>(4) PUMP, LINER, SCREEN, CASING, &amp; SEALING MATERIAL</b>	
Original Construction Date <u>4/9/2013</u> <input type="checkbox"/> Monitoring Well <input type="checkbox"/> Water Well <input checked="" type="checkbox"/> Borehole / Drillhole If a Well Construction Report is available, please attach. Construction Type: <input type="checkbox"/> Drilled <input type="checkbox"/> Driven (Sandpoint) <input type="checkbox"/> Dug <input checked="" type="checkbox"/> Other (Specify) <u>Geoprobe</u> Formation Type: <input checked="" type="checkbox"/> Unconsolidated Formation <input type="checkbox"/> Bedrock Total Well Depth (ft.) <u>12</u> Casing Diameter (in.) <u>2</u> (From ground surface) Casing Depth (ft.) _____ Lower Drillhole Diameter (in.) <u>2</u> Was Well Annular Space Grouted? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown If Yes, To What Depth? _____ Feet Depth to Water (Feet) <u>7</u>		Pump & Piping Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable Liner(s) Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable Screen Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable Casing Left in Place? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Was Casing Cut Off Below Surface? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Did Sealing Material Rise to Surface? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No 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 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 type="checkbox"/> Bentonite Chips <input checked="" 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
Bentonite Chips	Surface	12	18	

(6) Comments: Abandoned by Geiss under METCO supervision.

(7) Name of Person or Firm Doing Sealing Work <u>Eric Dahl (METCO)</u>		Date of Abandonment <u>4/9/2013</u>
Signature of Person Doing Work <u>[Signature]</u>		Date Signed <u>5/17/13</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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Comments	



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

<b>(1) GENERAL INFORMATION</b>		<b>(2) FACILITY/ OWNER INFORMATION</b>	
WI Unique Well No.	DNR Well ID No.	County <b>MARINETTE</b>	
Common Well Name <u>G-11</u> Gov't Lot (If applicable)		Facility Name Kopatz/Cronce Property	Facility ID <b>438109760</b>
NE <u>1/4</u> of NW <u>1/4</u> of Sec. <u>28</u> ; T. <u>31</u> N; R. <u>2</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 8317 County Highway P	
Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/> ) or Well Location <input type="checkbox"/>		City, Village, or Town Crivitz	
Lat. <u>45</u> ° <u>8</u> ' <u>14.2</u> " Long <u>88</u> ° <u>8</u> ' <u>7</u> " or		Present Well Owner Dennis Kopatz	Original Owner
St. Plane _____ ft. N. _____ ft. E. <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Zone		Street Address or Route of Owner N4510 Schacht Rd	
Reason For Abandonment Sampling complete	WI Unique Well No. of Replacement Well _____	City, State, Zip Code Marinette WI 54143-	

<b>(3) WELL/DRILLHOLE/BOREHOLE INFORMATION</b>		<b>(4) PUMP, LINER, SCREEN, CASING, &amp; SEALING MATERIAL</b>	
Original Construction Date <u>4/9/2013</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 checked="" type="checkbox"/> No	
Total Well Depth (ft.) <u>12</u> Casing Diameter (in.) <u>2</u> (From ground surface) Casing Depth (ft.) _____		Was Casing Cut Off Below Surface? <input checked="" 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	
Depth to Water (Feet) <u>7</u>		If Yes, Was Hole Retopped? <input type="checkbox"/> Yes <input type="checkbox"/> No	
		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 type="checkbox"/> Bentonite Chips <input checked="" 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
Bentonite Chips	Surface	12	18	

(6) Comments: Abandoned by Geiss under METCO supervision.

(7) Name of Person or Firm Doing Sealing Work Eric Dahl (METCO)		Date of Abandonment 4/9/2013
Signature of Person Doing Work <i>[Signature]</i>		Date Signed 5/13/13
Street or Route 709 Gillette St. Ste. 3		Telephone Number (608) 781-8879
City, State, Zip Code LaCrosse WI 54603-		

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Date Received	Noted By
Comments	

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

<b>(1) GENERAL INFORMATION</b>		<b>(2) FACILITY / OWNER INFORMATION</b>	
WI Unique Well No.	DNR Well ID No.	County <b>MARINETTE</b>	
Common Well Name <u>G-12</u> Gov't Lot (If applicable)		Facility Name <u>Kopatz/Cronce Property</u>	Facility ID <u>438109760</u>
Grid Location <u>NE 1/4 of NW 1/4 of Sec. 28</u> ; T. <u>31</u> N; R. <u>2</u> <input checked="" type="checkbox"/> E <input type="checkbox"/> W		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>8317 County Highway P</u>	
Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/> ) or Well Location <input type="checkbox"/>		City, Village, or Town <u>Crivitz</u>	
Lat. <u>45° 8' 14.2"</u> Long <u>88° 8' 7"</u> or		Present Well Owner <u>Dennis Kopatz</u>	
St. Plane _____ ft. N. _____ ft. E. <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Zone		Original Owner	
Reason For Abandonment <u>Sampling complete</u>		Street Address or Route of Owner <u>N4510 Schacht Rd</u>	
WI Unique Well No. of Replacement Well _____		City, State, Zip Code <u>Marinette WI 54143-</u>	

<b>(3) WELL/DRILLHOLE/BOREHOLE INFORMATION</b>		<b>(4) PUMP, LINER, SCREEN, CASING, &amp; SEALING MATERIAL</b>	
Original Construction Date <u>4/9/2013</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 checked="" type="checkbox"/> No	
Construction Type:		Was Casing Cut Off Below Surface? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
<input type="checkbox"/> Drilled <input type="checkbox"/> Driven (Sandpoint) <input type="checkbox"/> Dug		Did Sealing Material Rise to Surface? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
<input checked="" type="checkbox"/> Other (Specify) <u>Geoprobe</u>		Did Material Settle After 24 Hours? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Formation Type:		If Yes, Was Hole Retopped? <input type="checkbox"/> Yes <input type="checkbox"/> No	
<input checked="" type="checkbox"/> Unconsolidated Formation <input type="checkbox"/> Bedrock		Required Method of Placing Sealing Material	
Total Well Depth (ft.) <u>12</u> Casing Diameter (in.) <u>2</u>		<input type="checkbox"/> Conductor Pipe-Gravity <input type="checkbox"/> Conductor Pipe-Pumped	
(From ground surface) Casing Depth (ft.) _____		<input type="checkbox"/> Screened & Poured (Bentonite Chips) <input checked="" type="checkbox"/> Other (Explain) <u>Gravity</u>	
Lower Drillhole Diameter (in.) <u>2</u>		Sealing Materials	
Was Well Annular Space Grouted? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown		<input type="checkbox"/> Neat Cement Grout	
If Yes, To What Depth? _____ Feet		<input type="checkbox"/> Sand-Cement (Concrete) Grout	
Depth to Water (Feet) <u>7</u>		<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	

(5)	Material Used To Fill Well/Drillhole	From (Ft.)	To (Ft.)	lbs. Sealant	Mix Ratio or Mud Weight
	Bentonite Chips	Surface	12	18	

(6) Comments: Abandoned by Geiss under METCO supervision.

(7) Name of Person or Firm Doing Sealing Work <u>Eric Dahl (METCO)</u>		Date of Abandonment <u>4/9/2013</u>
Signature of Person Doing Work <u>E Dahl</u>		Date Signed <u>5/13/13</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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Date Received	Noted By
Comments	

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

<b>(1) GENERAL INFORMATION</b>			<b>(2) FACILITY / OWNER INFORMATION</b>	
WI Unique Well No.	DNR Well ID No.	County MARINETTE	Facility Name Kopatz/Cronce Property	
Common Well Name G-13 Gov't Lot (If applicable)			Facility ID 438109760	License/Permit/Monitoring No.
Grid Location NE 1/4 of NW 1/4 of Sec. 28 ; T. 31 N; R. 2 E			Street Address of Well 8317 County Highway P	
Local Grid Origin (estimated: ) or Well Location			City, Village, or Town Crivitz	
Lat. 45° 8' 14.2" Long 88° 8' 7" or			Present Well Owner Dennis Kopatz	Original Owner
St. Plane ft. N. ft. E. Zone			Street Address or Route of Owner N4510 Schacht Rd	
Reason For Abandonment Sampling complete		WI Unique Well No. of Replacement Well	City, State, Zip Code Marinette WI 54143-	

<b>(3) WELL/DRILLHOLE/BOREHOLE INFORMATION</b>		<b>(4) PUMP, LINER, SCREEN, CASING, &amp; SEALING MATERIAL</b>			
Original Construction Date 4/9/2013		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 <input checked="" type="checkbox"/> Other (Specify) Geoprobe		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 checked="" type="checkbox"/> No			
Total Well Depth (ft.) 12 Casing Diameter (in.) 2 (From ground surface) Casing Depth (ft.)		Was Casing Cut Off Below Surface? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			
Lower Drillhole Diameter (in.) 2		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) 7		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 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 type="checkbox"/> Bentonite Chips <input checked="" 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
Bentonite Chips	Surface	12	18	

(6) Comments: Abandoned by Geiss under METCO supervision.

<b>(7) Name of Person or Firm Doing Sealing Work</b> Eric Dahl (METCO)		<b>Date of Abandonment</b> 4/9/2013	
Signature of Person Doing Work <i>E. Dahl</i>		Date Signed 5/13/13	
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 \_\_\_\_\_

<b>(1) GENERAL INFORMATION</b>			<b>(2) FACILITY / OWNER INFORMATION</b>	
WI Unique Well No.	DNR Well ID No.	County <b>MARINETTE</b>	Facility Name Kopatz/Cronce Property	
Common Well Name <u>G-14</u> Gov't Lot (if applicable)			Facility ID <b>438109760</b>	License/Permit/Monitoring No.
Grid Location <u>NE</u> 1/4 of <u>NW</u> 1/4 of Sec. <u>28</u> ; T. <u>31</u> N; R. <u>2</u> <input checked="" type="checkbox"/> E <input type="checkbox"/> W			Street Address of Well 8317 County Highway P	
_____ ft. <input type="checkbox"/> N. <input type="checkbox"/> S., _____ ft. <input type="checkbox"/> E. <input type="checkbox"/> W.			City, Village, or Town Crivitz	
Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/> ) or Well Location <input type="checkbox"/>			Present Well Owner Dennis Kopatz	
Lat. <u>45</u> ° <u>8</u> ' <u>14.2</u> " Long <u>88</u> ° <u>8</u> ' <u>7</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 N4510 Schacht Rd	
Reason For Abandonment Sampling complete		WI Unique Well No. of Replacement Well _____	City, State, Zip Code Marinette WI 54143-	

<b>(3) WELL/DRILLHOLE/BOREHOLE INFORMATION</b>		<b>(4) PUMP, LINER, SCREEN, CASING, &amp; SEALING MATERIAL</b>	
Original Construction Date <u>4/9/2013</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 checked="" type="checkbox"/> No	
Total Well Depth (ft.) <u>12</u> Casing Diameter (in.) <u>2</u> (From ground surface) Casing Depth (ft.) _____		Was Casing Cut Off Below Surface? <input checked="" 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	
Depth to Water (Feet) <u>7</u>		If Yes, Was Hole Retopped? <input type="checkbox"/> Yes <input type="checkbox"/> No	
		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 type="checkbox"/> Bentonite Chips <input checked="" 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
Bentonite Chips	Surface	12	18	

(6) Comments: Abandoned by Geiss under METCO supervision.

(7) Name of Person or Firm Doing Sealing Work Eric Dahl (METCO)		Date of Abandonment 4/9/2013
Signature of Person Doing Work <i>[Signature]</i>		Date Signed 5/13/13
Street or Route 709 Gillette St. Ste. 3		Telephone Number (608) 781-8879
City, State, Zip Code LaCrosse WI 54603-		

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Date Received	Noted By
Comments	

Site Investigation Report - METCO  
Kopatz Property

## APPENDIX D/ WASTE DISPOSAL DOCUMENTATION



**Site Investigation Report - METCO  
Kopatz Property**

**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 <sup>5</sup>	Site Investigation, Pretreatment and Posttreatment Sample Analysis <sup>11</sup>
Regular Gasoline	GRO <sup>2</sup>	Free Liquids <sup>6</sup> GRO Benzene <sup>7</sup> Pb <sup>7</sup> Haz. Waste Deter. <sup>8</sup>	GRO VOC/PVOC <sup>15</sup> Pb <sup>12</sup>
Unleaded Gasoline; Grades 80 100, and 100 LL (Low Lead) Aviation Fuel	GRO <sup>2</sup>	Free Liquids <sup>6</sup> GRO Benzene <sup>7</sup> Pb <sup>7</sup> Haz. Waste Deter. <sup>8</sup>	GRO PVOC
Diesel; Jet Fuels; and No's 1, 2, and 4 Fuel Oil	DRO <sup>3</sup>	Free Liquids <sup>6</sup> DRO Benzene <sup>7</sup> Haz. Waste Deter. <sup>8</sup>	DRO <sup>3</sup> PVOC PAH <sup>13 14</sup>
Crude Oil; Lubricating Oils; No. 6 Fuel Oil	DRO <sup>3</sup>	Free Liquids <sup>6</sup> DRO Haz. Waste Deter. <sup>8</sup>	DRO <sup>3</sup> PAH <sup>13 14</sup>
Unknown Petroleum	GRO <sup>7</sup> and DRO <sup>3 4</sup>	Free Liquids <sup>6</sup> GRO and DRO Pb, Cd <sup>7</sup> Haz. Waste Deter. <sup>8</sup> CN <sup>19</sup> S <sup>2 10</sup>	GRO and DRO <sup>3 4</sup> VOC/PVOC <sup>15</sup> PAH <sup>13 14</sup> Pb, Cd <sup>12</sup>
Waste Oil	DRO <sup>3</sup>	Free Liquids <sup>6</sup> DRO Pb, Cd <sup>7</sup> Haz. Waste Deter. <sup>8</sup> CN <sup>19</sup> S <sup>2 10</sup>	DRO <sup>3</sup> VOC/PVOC <sup>15</sup> PAH <sup>13 14</sup> PCBs <sup>16</sup> Pb, Cd <sup>12</sup>

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
<b>WET CHEMISTRY</b>			
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 <sub>2</sub> SO <sub>4</sub>	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 <sub>2</sub> SO <sub>4</sub>	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 <sub>3</sub>	180 days
TKN EPA 351.2	1 Liter HDPE	4°C, pH<2 with H <sub>2</sub> SO <sub>4</sub>	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 <sub>2</sub> SO <sub>4</sub>	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 <sub>2</sub> SO <sub>4</sub>	28 days
Organic Carbon SW846 9060/ EPA 415.1	40 ml Glass	4°C, pH<2 with H <sub>2</sub> SO <sub>4</sub> or HCL	28 days
Phenol, Total EPA 420.1	1 Liter Glass	4°C, pH<2 with H <sub>2</sub> SO <sub>4</sub>	28 days
Phosphorus, Total EPA 365.3	250 mL HDPE	4°C, pH<2 with H <sub>2</sub> SO <sub>4</sub>	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
<b>METALS</b>			
Metals	250 mL HDPE	4°C, pH<2 with HNO <sub>3</sub>	6 months
Mercury SW8467470/EPA 245.1	250 mL HDPE	4°C, pH<2 with HNO <sub>3</sub>	28 days
<b>ORGANICS</b>			
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
<b>METALS</b>						
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
<b>ORGANICS</b>						
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. Do Not Exceed D.C.R.C.Ls from web-calculator at [http://epa-prgs.onsl.gov.gov/biochemists/rd\\_search](http://epa-prgs.onsl.gov.gov/biochemists/rd_search) (Chicago as climatic zone)

Basin ca

1. Cancer: nc = non cancer. Csat = soil saturation concentration ceiling = 10%.

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

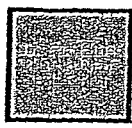
3. Enter data in yellow cells. Numerical only values under 'INPUT Site Data'. For HQ, use detection limit. Do not type " " for "not space bar". Leave purple cells "as is".

4. After completing data entry. See Summary in Row 612.

Site Name:

Sample ID:

Contaminant	CSat (mg/kg)	Site Data (mg/kg)	D.C.R.C.L. (mg/kg)	Exceedance	Classification
Benzene	71-23-2	111	149	149	ca
Ethylbenzene	100-41-4	4220	7.47	7.47	ca
Toluene	108-88-3	5300	-	618	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-	108-67-8	762	-	162	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[e]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
Dibenzo[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-	57835-92-4	-	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



INPUT Site Data (mg/kg)

Comparison Hazard Index / Cumulative Cancer Risk	Exceedance Count	Hazard Index	Cumulative Cancer Risk
Exceedance Count	0	0.00E+00	0.00E+00
Hazard Index	1.00E+00	1.00E+00	1e-05

Type BRRTS No. (How (If Known))

Exceedance Count / Hazard Index / Cumulative Cancer Risk: 0, 0.00E+00, 0.00E+00

To Pass, data must meet all these criteria: Exceedance HI Count = 0, 1.00E+00, Cumulative CR ≤ 1e-05

Bottom-Line: Soil Data Entry Needed!

DRAFT

Residual Contaminant Levels Protective of Groundwater Quality  
 (List 1) Groundwater Occurrence Results from the Data provided on groundwater occurrence (list 1) search)

NR140 Substance	NR 140 CAS	Fed MCL (ug/l) (If Fed 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
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				
Bulylate	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)	124-48-1	80	60	1.60E-02				
1,2-Dibromo-3-chloropropane (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				
1,4-Dioxane, cyclic ether (C6H10O)	94-75-7	70	70	1.81E-02				
1,2-Dichloropropane	78-87-5	5	5	1.66E-03				
1,3-Dichloropropane (C3H5Cl2) (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 BRRTS Ho  
Here (If Known).  
Assess groundwater  
levels separately.

Re-assess if Cr-VI present

DRAT

Residual Contaminant Levels Protective of Groundwater Quality  
 (Soils Groundwater Monitoring Results from 2010-2014 and 2016 coverage for chemicals list 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 Exceeded
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	1.26E-02				
n-Hexane	110-54-3	-	600	4.22E+00				
Lead	7439-92-1	15	15	1.35E+01				
Lindane	56-89-9	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				
Metolachlor's-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				
Nitrocodiphenylamine (NDPA)	86-30-6	-	7	3.82E-02				
Polychlorophenol (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	1.97E-03				
Styrene	100-42-5	100	100	1.10E-01				
Tertiary Butyl Alcohol (TBA)	75-85-0	-	12	2.45E-03				
1,1,1-Trichloroethane	630-20-6	-	70	2.67E-02				
1,1,2-Trichloroethane	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				
1,1,1,2-Tetrachloroethane	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				
Vanadium	95-63-6/ 108-67-8	-	480	6.90E-01				
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 BRRS 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 <sub>r</sub> (exposure duration - resident) year	30
ET <sub>re</sub> (exposure time - resident) hour	24
ED <sub>c</sub> (exposure duration - child) year	6
ED <sub>a</sub> (exposure duration - adult) year	24
BW <sub>a</sub> (body weight - adult) kg	70
BW <sub>c</sub> (body weight - child) kg	15
SA <sub>a</sub> (skin surface area - adult) cm <sup>2</sup> /day	5700
SA <sub>c</sub> (skin surface area - child) cm <sup>2</sup> /day	2800
THQ (target hazard quotient) unitless	1
LT (lifetime - resident) year	70
EF <sub>r</sub> (exposure frequency) day/year	350
IRS <sub>a</sub> (soil intake rate - adult) mg/day	100
IRS <sub>c</sub> (soil intake rate - child) mg/day	200
AF <sub>a</sub> (skin adherence factor - adult) mg/cm <sup>2</sup>	0.07
AF <sub>c</sub> (skin adherence factor - child) mg/cm <sup>2</sup>	0.2
IFS <sub>a,di</sub> (age-adjusted soil ingestion factor) mg-year/kg-day	114
DFS <sub>a,di</sub> (age-adjusted soil dermal factor) mg-year/kg-day	361
IFSM <sub>a,di</sub> (mutagenic age-adjusted soil ingestion factor) mg-year/kg-day	489.5
DFSM <sub>a,di</sub> (mutagenic age-adjusted soil dermal factor) mg-year/kg-day	1445
ED <sub>0-2</sub> (exposure duration first phase) year	2
ED <sub>2-6</sub> (exposure duration second phase) year	4
ED <sub>6-16</sub> (exposure duration third phase) year	10
ED <sub>16-30</sub> (exposure duration fourth phase) year	14
City (Climate Zone) PEF Selection	Chicago, IL (7)
A <sub>c</sub> (acres) PEF Selection	0.5
Q/C <sub>wp</sub> (g/m <sup>2</sup> -s per kg/m <sup>3</sup> ) PEF Selection	98.43071
PEF (particulate emission factor) m <sup>3</sup> /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
$\rho_b$ (dry soil bulk density) $g/cm^3$	1.5
$\rho_s$ (soil particle density) $g/cm^3$	2.65
$\theta_w$ (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  
 RSLs are derived from the following: (Where no SL is shown, the SL is 100 µg/kg)  
 Inorganic: SL = 100 µg/kg (or 100 mg/kg)  
 Organic: SL = 100 µg/kg (or 100 mg/kg) (See Users Guide) (SL = SL exceeds SL and has been substituted with the max value (See Users Guide))  
 VOC: SL = 100 µg/kg (or 100 mg/kg) (See Users Guide)  
 SVOC: SL = 100 µg/kg (or 100 mg/kg) (See Users Guide)

Chemical	CAS Number	Mutagen?	VOC?	Ingestion SF (mg/kg-day)	SFO Ref.	Inhalation Unit Risk (ug/m <sup>3</sup> )	IUR Ref.	Chronic RfD (mg/kg-day)	RfD Ref.	Chronic RfC (mg/m <sup>3</sup> )	RfC Ref.	GIABS	ABS	RBA
												1	1	1
Benzene	71-43-2	No	Yes	5.50E-02	T	7.80E-06	T	4.00E-03	T	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	T	6.00E-06	T	4.00E-03	T	1.00E-01	I	T	-	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, 1,1-	107-06-2	No	Yes	9.10E-02	T	2.60E-05	T	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-trans-	156-60-5	No	Yes	-		-		2.00E-02	I	6.00E-02	P	1	-	1
Triphenylene	100-41-4	No	Yes	1.10E-02	C	2.50E-06	C	1.00E-01	T	1.00E+00	T	1	-	1
Lead and Compounds	7439-92-1	No	No	-		-		-		-		1	-	1
Methylmercaptan (Methyl Mercaptan)	1694-04-4	No	Yes	1.30E-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	T	-		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	205-82-5	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[ghi]perylene	192-65-4	No	No	1.20E+01	C	1.10E-04	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	206-14-0	No	No	-		-		4.00E-02	T	-		1	0.13	1
Fluorene	86-73-7	No	Yes	-		-		4.00E-02	I	-		1	0.13	1
Indeno[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	T	-		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, ga=(Wherein SL < 100 x ca/SL)  
 can=(Wherein SL < 100 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 Ssat and has been substituted with the Ssat

Chemical	Volatilization Factor (m <sup>3</sup> /kg)	Soil Saturation Concentration (mg/kg)	Particulate Emission Factor (m <sup>3</sup> /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	Dermal	Inhalation
								SL Child (mg/kg) HQ=1	SL Child (mg/kg) HQ=1	SL Child (mg/kg) HQ=1
Benzene	5.49E+03	1.82E+03	1.56E+09	1.16E+01	-	1.71E+00	1.49E+00	3.19E+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
Dibromochloroethane, 1,1-	7.1E+03	2.99E+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-cis	3.88E+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
Dibutyltin dioxide	3.81E+03	2.80E+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	-	-	-	-	-	-	-
Methyl tert-butyl ether (MTBE)	7.62E+03	3.37E+03	1.56E+09	3.56E+02	-	7.7E+01	5.92E+01	-	-	2.38E+04
Acenaphthene	2.19E+05	-	1.56E+09	-	-	-	-	4.69E+03	1.29E+04	-
Anthracene	3.1E+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]fluoranthene	-	-	1.56E+09	5.34E-01	1.20E+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	-	-	-
Dibenz[a,h]anthracene	-	-	1.56E+09	2.04E-01	5.32E-01	1.36E+04	1.48E-01	-	-	-
Dibenz[a,h]anthracene	-	-	1.56E+09	5.34E-02	1.20E-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	-	-	-
Fluorene	4.37E+05	-	1.56E+09	-	-	-	-	3.13E+03	8.59E+03	-
Methylanthracene	-	-	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	9.07E+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

1. Cancer risk: Noncarcinogenic. Where no SL is calculated (see User's Guide) or where SL exceeds residential limit (see User's Guide) or where SL exceeds residential limit and has been substituted with the limit value (see User's Guide).

2. Where no SL is calculated (see User's Guide) or where SL exceeds residential limit (see User's Guide) or where SL exceeds residential limit and has been substituted with the limit value (see User's Guide).

3. Where no SL is calculated (see User's Guide) or where SL exceeds residential limit (see User's Guide) or where SL exceeds residential limit and has been substituted with the limit value (see User's Guide).

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)	SL Adult HI=1 (mg/kg)	
Benzene	1.11E+02	2.92E+03	-	1.72E+02	1.62E+02	1.29E+02	1.29E+02
Cadmium (Diet)	7.00E+01	7.30E+02	4.57E+03	1.63E+04	6.06E+02	7.00E+01	7.00E+01
Carbon tetrachloride	1.37E+02	2.92E+03	-	2.72E+02	2.24E+02	3.54E+01	3.54E+01
Dibromoethane, 1,2-	1.07E+02	6.57E+03	-	1.26E+02	1.24E+02	1.07E+02	1.07E+02
Dichloroethane, 1,2-	2.67E+01	2.38E+03	-	5.19E+01	5.13E+01	3.08E+01	3.08E+01
Dichloroethylene, 1,1-	3.42E+02	3.65E+04	-	3.75E+02	3.71E+02	3.42E+02	3.42E+02
Dichloroethylene, 1,2-cis	1.56E+02	1.46E+04	-	-	1.46E+03	1.56E+02	1.56E+02
Dichloroethylene, 1,2-trans	2.11E+02	1.46E+04	-	2.44E+02	2.40E+02	2.11E+02	2.11E+02
Fluorobenzene	4.22E+03	7.30E+04	-	9.18E+03	8.16E+03	7.47E+03	7.47E+03
Lead and Compounds	-	-	-	-	-	4.00E+02	4.00E+02
Methyl tert-butyl ether (MTBE)	2.38E+04	-	-	2.38E+04	2.38E+04	5.92E+01	5.92E+01
Acenaphthene	3.44E+03	4.38E+04	8.44E+04	-	2.88E+04	3.44E+03	3.44E+03
Anthracene	2.17E+04	2.19E+05	4.22E+05	-	1.44E+05	1.72E+04	1.72E+04
Benz[a]anthracene	-	-	-	-	-	1.31E+02	1.31E+02
Benzo[a]fluoranthene	-	-	-	-	-	5.28E+01	5.28E+01
Benzo[a]pyrene	-	-	-	-	-	1.38E+02	1.38E+02
Benzo[b]fluoranthene	-	-	-	-	-	1.18E+01	1.18E+01
Benzo[k]fluoranthene	-	-	-	-	-	1.18E+01	1.18E+01
Chrysene	-	-	-	-	-	1.18E+01	1.18E+01
Dibenz[a,h]anthracene	-	-	-	-	-	1.38E+02	1.38E+02
Dibenz[a,i]perylene	-	-	-	-	-	1.78E+02	1.78E+02
Dimethylbenz(a)anthracene, 7,12-	-	-	-	-	-	4.31E+02	4.31E+02
Fluoranthene	5.29E+03	2.92E+04	5.63E+04	-	1.92E+04	2.29E+03	2.29E+03
Fluorene	2.29E+03	2.92E+04	5.63E+04	-	1.92E+04	2.29E+03	2.29E+03
Indeno[1,2,3-cd]pyrene	-	-	-	-	-	1.28E+01	1.28E+01
Methylnaphthalene, 1-	4.01E+03	5.11E+04	9.85E+04	-	3.36E+04	4.01E+03	4.01E+03
Methylnaphthalene, 2-	2.29E+02	2.92E+03	5.63E+03	-	1.92E+03	2.29E+02	2.29E+02
Naphthalene	1.88E+02	1.46E+04	2.81E+04	2.25E+02	2.20E+02	1.88E+02	1.88E+02

Site-specific

Resident Screening Levels (RSL) for Soil  
 = Cancer and Noncancer (C) (Where the SL is 100x less than the CSAT)  
 = Where the SL is 10x greater than the CSAT (See US EPA's Guidance on SLs that exceeds CSAT)  
 = Max Soil SLs exceeds the CSAT and has been substituted with the max value (See US EPA's Guidance)  
 = Soil Inhalation SLs exceeds CSAT and has been substituted with the CSAT

Chemical	CAS Number	Mutagen?	VOC? (mg/kg-day)	Ingestion SF		Inhalation		Chronic RfD		Chronic RfC		GIABS	ABS	RBA
				SFO Ref	Unit Risk (ug/m <sup>3</sup> )	Ref (mg/kg-day)	Ref (mg/m <sup>3</sup> )	Ref	Ref (mg/m <sup>3</sup> )					
Nitrobenzene	5783-192-4	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
Tetraglycylamine	127716-4	No	Yes	2.10E-03	-	2.60E-03	-	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
Trichloroethylene	71-95-6	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
Triethylbenzene	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
Trisulfonide	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 = Noncarcinogenic (Where  $CS_{ca} = 100 \times ca \times SL$ )

ca\* (Where  $nc \leq 100 \times ca \times SL$ ); max = SL exceeds ceiling limit (see User's Guide); SL = SL exceeds  $CS_{ca}$

S<sub>max</sub> = Soil SL exceeds ceiling limit and has been substituted with the max value (see User's Guide)

S<sub>soi</sub> = Soil inhalation SL exceeds  $CS_{ca}$  and has been substituted with the  $CS_{ca}$

Chemical	Volatilization Factor (m <sup>3</sup> /kg)	Soil Saturation Concentration (mg/kg)	Particulate Emission Factor (m <sup>3</sup> /kg)	Ingestion	Dermal	Inhalation	Carcinogenic	Ingestion	Dermal	Inhalation
				SL TR=1.0E-6 (mg/kg)	SL TR=1.0E-6 (mg/kg)	SL TR=1.0E-6 (mg/kg)	SL TR=1.0E-6 (mg/kg)	SL Child HQ=1 (mg/kg)	SL Child HQ=1 (mg/kg)	SL Child HQ=1 (mg/kg)
Nitrobenzene, 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	-
1,1-dichloroethylene	3.05E+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
1,1-dichloroethane	2.76E+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
1-methylbenzene, 2,4,6-	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	1.19E+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  
Where no SL < 100, max = SL exceeds ceiling limit (see User's Guide); - = SL exceeds SL max  
Where no SL < 100, max = SL exceeds ceiling limit (see User's Guide); - = SL exceeds SL max  
Where no SL < 100, max = SL exceeds ceiling limit (see User's Guide); - = SL exceeds SL max  
Where no SL < 100, max = SL exceeds ceiling limit (see User's Guide); - = SL exceeds SL max

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)	
Nitropyrene, 4-						5.73E+01
Pyrene	1.72E+03	2.19E+04	4.22E+04	-	1.44E+04	7.71E+01
Tetrachloroethylene	1.15E+02	4.38E+03	-	1.52E+02	1.27E+02	3.07E+01
Toluene	5.30E+03	5.84E+04	-	3.47E+04	2.18E+04	3.0E+02
Trichloroethane, 1,1,1-	1.23E+04	1.46E+06	-	1.34E+04	1.32E+04	1.23E+02
Trichloroethylene	6.05E+00	3.65E+02	-	7.16E+00	7.02E+00	6.21E+01
Trimethylbenzene, 1,2,4-	8.98E+01			8.98E+01	8.98E+01	8.98E+01
Trimethylbenzene, 1,3,5-	7.82E+02	7.30E+03	-	-	7.30E+03	7.57E+02
Vinyl chloride	3.33E+01	2.19E+03	-	1.55E+02	1.45E+02	6.71E+02
Xylenes	8.90E+02	1.46E+05	-	9.44E+02	9.37E+02	3.90E+02

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

(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: C. Register, September, 1985, No. 357, eff. 10-1-85, or (1m), am (7), (17) and (18), Register, October, 1988, No. 394, eff. 11-1-88, am (6), or (20), and (20m), Register, March, 1994, No. 459, eff. 4-1-94; or (1s), (10e), (10s), (20k), r and res. (12), (13), Register, August, 1995, No. 476, eff. 9-1-95; or (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 or (1u), (1w), (1y) and (20); 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 <sup>1</sup>	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 <sup>2</sup>	0.3 <sup>2</sup>
Bacteria, Total Coliform	0 <sup>3</sup>	0 <sup>3</sup>
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

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

Table I – Continued  
Public Health Groundwater Quality Standards

Substance <sup>1</sup>	Enforcement Standard (micrograms per liter – except as noted)	Preventive Action Limit (micrograms per liter – except as noted)
Colic	40	8
Copper	1300	130
Cyanazine	1	0.1
Cyanide, free <sup>4</sup>	200	40
Daedhal	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 <sup>5</sup>	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 <sup>1</sup>	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 + oxamic 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
<i>N</i> -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
Thifluralin	7.5	0.75
Trimethylbenzenes (1,2,4- and 1,3,5- combined)	480	96
Vanadium	30	6



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

Table 1 - Continued  
Public Health Groundwater Quality Standards

Substance <sup>1</sup>	Enforcement Standard (micrograms per liter - except as noted)	Preventive Action Limit (micrograms per liter - except as noted)
Vinyl chloride <sup>2</sup>	0.2	0.02
Xylene <sup>3</sup>	2 mg/l	0.4 mg/l

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

<sup>2</sup> Total chlorinated triazine residues includes parent compound and the following metabolites of health concern: 2-chloro-4-amino-6-isopropylamino-s-triazine (formerly desylsulfazine), 2-chloro-4-amino-6-ethylamino-s-triazine (formerly deisopropylsulfazine) and 2-chloro-4,6-diamino-s-triazine (formerly diaminosulfazine).

<sup>3</sup> 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 (MMO-MUG) test or not present in any 10 ml portion of the 10-tube multiple tube fermentation (MTF) technique.

<sup>4</sup> "Cyanide, free" refers to the simple cyanides (HCN, CN<sup>-</sup>) 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".

<sup>5</sup> Dinitrotoluene, 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.

<sup>6</sup> 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, boxon, 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 MIBAS (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

A.7 Other  
 Kopatz Property  
 Slug Test Calculations

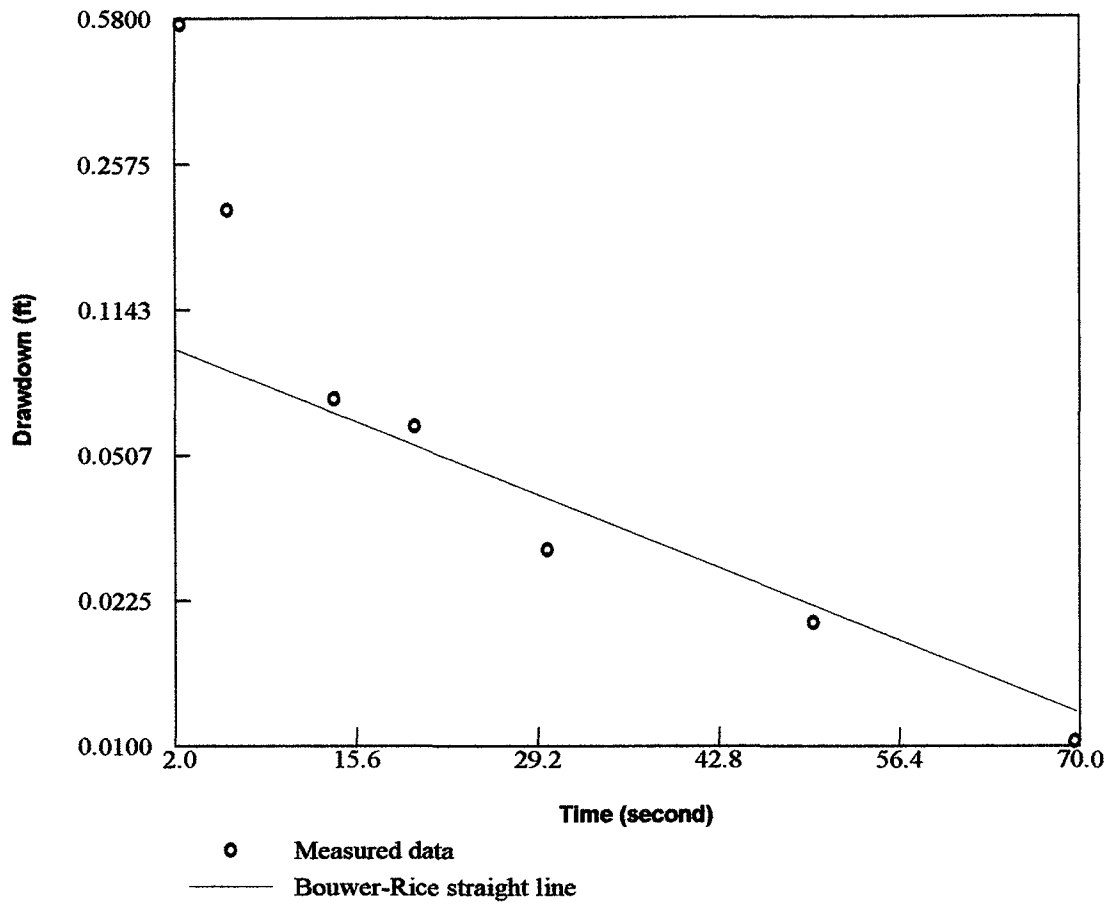
MW-1

	<b>ft/s</b>	<b>cm/s</b>	<b>m/yr</b>
<b>K</b>	3.57E-05	1.09E-03	343.15
	<b>sq ft/s</b>	<b>sq cm/s</b>	
<b>T</b>	2.24E-04	2.08E-01	

<b>Date</b>	<b>Elv. (High)</b>	<b>Elv. (Low)</b>	<b>Distance (ft)</b>	<b>Hyd Grad (I)</b>
6/18/2014	665.50	663.50	116	0.0172414
9/18/2014	665.50	663.50	110	0.0181818
5/26/2015	664.50	658.50	96	0.0625000
8/31/2015	662.00	657.00	82	0.0609756

**Average** 0.0397247

	<b>K (m/yr)</b>	<b>I</b>	<b>n</b>	<b>Flow Velocity (m/yr)</b>
<b>MW-1</b>	343.15	0.0397247	0.3	45.43844



**Aquifer Parameters by the Bouwer and Rice Slug Test**

Hydraulic Conductivity (ft/s):	3.57e-005
Transmissivity (sq ft/s):	2.24e-004

**Kopatz Property MW-1 Slug Out**

Kopatz Property  
 MW-1 Slug Out

LEVEL[ft]	TEMPERATURE[°C]	Time (seconds)	Drawdown
40.35	12.99	0	0.56
40.33	12.99	2	0.58
40.57	12.99	4	0.34
40.71	12.99	6	0.2
40.78	12.99	8	0.13
40.81	12.99	10	0.1
40.82	12.99	12	0.09
40.84	12.99	14	0.07
40.85	12.99	16	0.06
40.85	12.99	18	0.06
40.85	12.99	20	0.06
40.86	12.99	22	0.05
40.87	12.99	24	0.04
40.87	12.99	26	0.04
40.88	12.99	28	0.03
40.88	12.98	30	0.03
40.88	12.98	32	0.03
40.88	12.98	34	0.03
40.88	12.98	36	0.03
40.89	12.98	38	0.02
40.89	12.98	40	0.02
40.89	12.98	42	0.02
40.89	12.98	44	0.02
40.89	12.98	46	0.02
40.89	12.98	48	0.02
40.89	12.98	50	0.02
40.89	12.98	52	0.02
40.89	12.98	54	0.02
40.89	12.98	56	0.02
40.89	12.98	58	0.02
40.89	12.98	60	0.02
40.9	12.98	62	0.01
40.9	12.98	64	0.01
40.9	12.98	66	0.01
40.9	12.98	68	0.01
40.9	12.97	70	0.01
40.9	12.98	72	0.01
40.9	12.97	74	0.01
40.9	12.98	76	0.01
40.9	12.98	78	0.01
40.91	12.98	80	0
40.9	12.97	82	0.01
40.9	12.98	84	0.01
40.9	12.97	86	0.01
40.9	12.97	88	0.01
40.9	12.97	90	0.01
40.9	12.97	92	0.01

Kopatz Property  
MW-1 Slug Out

40.9	12.97	94	0.01
40.9	12.97	96	0.01
40.9	12.97	98	0.01
40.9	12.97	100	0.01
40.9	12.97	102	0.01
40.9	12.97	104	0.01
40.9	12.97	106	0.01
40.9	12.97	108	0.01
40.9	12.97	110	0.01
40.9	12.97	112	0.01
40.9	12.97	114	0.01
40.9	12.97	116	0.01
40.9	12.97	118	0.01
40.9	12.97	120	0.01
40.9	12.97	122	0.01
40.9	12.97	124	0.01
40.9	12.97	126	0.01
40.9	12.97	128	0.01
40.9	12.97	130	0.01
40.9	12.97	132	0.01
40.91	12.97	134	0
40.9	12.97	136	0.01
40.91	12.97	138	0
40.9	12.97	140	0.01
40.9	12.97	142	0.01
40.9	12.97	144	0.01
40.9	12.97	146	0.01
40.9	12.97	148	0.01
40.9	12.97	150	0.01
40.91	12.97	152	0
40.91	12.97	154	0
40.91	12.97	156	0
40.91	12.97	158	0
40.91	12.97	160	0
40.91	12.97	162	0
40.91	12.97	164	0
40.91	12.97	166	0
40.9	12.97	168	0.01
40.91	12.97	170	0
40.91	12.97	172	0
40.91	12.97	174	0
40.91	12.97	176	0
40.91	12.97	178	0
40.91	12.97	180	0
40.91	12.97	182	0
40.91	12.97	184	0
40.91	12.97	186	0
40.91	12.97	188	0

Kopatz Property  
MW-1 Slug Out

40.91	12.97	190	0
40.91	12.97	192	0
40.91	12.97	194	0
40.91	12.97	196	0
40.92	12.97	198	0.01
40.91	12.97	200	0
40.91	12.97	202	0
40.91	12.97	204	0
40.91	12.97	206	0
40.91	12.96	208	0
40.91	12.96	210	0
40.91	12.96	212	0
40.91	12.96	214	0
40.91	12.96	216	0
40.91	12.96	218	0
40.91	12.96	220	0
40.9	12.96	222	0.01
40.91	12.96	224	0
40.91	12.96	226	0
40.91	12.96	228	0
40.91	12.96	230	0
40.91	12.96	232	0
40.91	12.96	234	0
40.91	12.96	236	0
40.92	12.96	238	0.01
40.91	12.96	240	0
40.91	12.96	242	0
40.91	12.96	244	0
40.91	12.96	246	0
40.91	12.96	248	0
40.91	12.96	250	0
40.91	12.96	252	0
40.91	12.96	254	0
40.91	12.96	256	0
40.91	12.96	258	0
40.92	12.96	260	0.01
40.92	12.96	262	0.01
40.92	12.96	264	0.01
40.91	12.96	266	0
40.91	12.96	268	0
40.91	12.96	270	0
40.91	12.96	272	0

**Site Investigation Report - METCO  
Kopatz Property**

**APPENDIX F/ QUALIFICATIONS OF METCO PERSONNEL**

**Site Investigation Report - METCO  
Kopatz Property**

**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 Technologists, 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.



**Site Investigation Report - METCO  
Kopatz Property**

**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.

**Site Investigation Report - METCO  
Kopatz Property**

**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.

**Site Investigation Report - METCO  
Kopatz Property**

**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.

**Site Investigation Report - METCO  
Kopatz Property**

**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.

**Site Investigation Report - METCO  
Kopatz Property**

**Dillon Plamann**

**Professional Title**

- Hydrogeologist

**Credentials**

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

**Education**

Includes B.S. in Hydrogeology with a Geology minor, University of Wisconsin, Stevens Point. Applicable courses successfully completed include Groundwater Geochemistry, Hydrogeology, Physical Geology, Mineralogy and Petrology, Sedimentary Geology, Structural Geology, Geomorphology, Glacial Geology, and Field Geology.

**Work Experience**

With METCO since May, 2015 as a Hydrogeologist. 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.

**Site Investigation Report - METCO  
Kopatz Property**

**APPENDIX G/ STANDARD OF CARE**

**Site Investigation Report - METCO  
Kopatz Property**

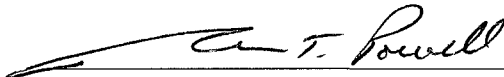
**STANDARD OF CARE**

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.

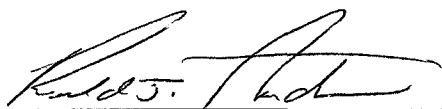
We appreciate the opportunity to be of service to you. If you have any questions or require additional information, please do not hesitate to contact us.

"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

11-17-15  
\_\_\_\_\_  
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

11/17/15  
\_\_\_\_\_  
Date