### Site Investigation Report

DX Service Station 308 Main Street Norwalk, Wisconsin

July 7, 2016 by METCO

WDNR File Reference #: 03-42-556192 PECFA Claim #: 54648-8064-08



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July 7, 2016

WDNR BRRTS#: 03-42-556192 PECFA Claim #: 54648-8064-08

Michael Larson 308 Main Street Norwalk, WI 54648

Dear Mr. Larson,

Enclosed is our "Site Investigation Report" concerning the DX Service Station site in Norwalk, Wisconsin. This report presents the complete data from all investigation activities.

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

Based on the results of the investigation, METCO recommends the the DX Service Station site be "closed" for the following reasons: 1) The extent and degree of petroleum contamination in soil and groundwater has been adequately defined. 2) Free product has not been encountered in any of the monitoring wells. 3) Groundwater contaminant levels appear to be stable to decreasing. 4) Residual soil contamination, including areas of NR720 Direct Contact RCL exceedances can be addressed by a Cap Maintenance Plan. 5) The downgradient extent of groundwater contamination has been adequately addressed and closed by the WDNR during the investigation of the down-gradient Town of Ridgeville site.

The Case Closure – GIS Registry (Form 4400-202) is being sent along with this report.

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

Sincerely,

Jason T. Powell Staff Scientist

C: Gina Keenan - WDNR

Tem T. Revell

### **EXECUTIVE SUMMARY**

Michael Larson has owned the subject property since 2008 and operates an auto repair and used car sales business on the property. A gas station operated on the subject property from approximately the 1930's until the 1960's. In the 1980's, a 1,000 gallon leaded gasoline UST was removed from the subject property.

Petroleum contamination was discovered at the DX Service Station site during the investigation of petroleum contamination at the Town of Ridgeville property, which is located approximately 100 feet to the southeast. Results of the Town of Ridgeville site investigation showed that petroleum contamination from the DX Service Station had commingled with the petroleum contamination at the Town of Ridgeville site. Because of this, the DX Service Station property was reported to the WDNR as an additional source of petroleum contamination. The WDNR then required that a site investigation be conducted at the DX Service Station property.

The site investigation consisted of a Geoprobe/Drilling Project and six 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:

- Geologic material in the area of investigation generally consists of sandy silt/clay from surface to depths ranging from 4 to 11 feet bgs. Underlying the sandy silt/clay exists a medium to coarse grained sand to silty sand (weathered sandstone), which extends to at least 14 feet bgs. Competent bedrock was not encountered during the site investigation, but competent sandstone bedrock is expected to exist at approximately 15 to 20 feet bgs.
- According to data collected from the monitoring wells, the depth to groundwater ranges from 3.73 to 8.26 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 east to southeast.
- An area of unsaturated soil contamination exceeding the NR720 Groundwater RCLs was found in the area of the removed UST systems. This soil contamination plume consists of an oval shaped area and appears to measure approximately 52 feet long, 27 feet wide, and up to 8 feet thick.
- An area of residual soil contamination exceeding the NR720 Direct Contact RCLs was found in the area of the former pump island. This soil contamination plume consists of an oval shaped area and appears to measure approximately 17 feet long, 9 feet wide, and up to 4 feet thick.
- A dissolved phase contaminant plume exceeding the NR140 ES and PAL has formed

at the watertable in the area of the former UST systems and has migrated toward the southeast. This plume appears to measure approximately 295 feet long and up to 92 feet wide. However, this groundwater contamination plume appears to be commingled with groundwater contamination from the Town of Ridgeville (BRRTS # 03-42-553428) site and these measurements include both sites .

 Based on the receptor survey, there does not appear to be any risk to any potable wells or surface waters. There also does not appear to be any risk of contaminant migration along utility corridors or vapor intrusion to nearby buildings.

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.

Based on the results of the investigation, METCO recommends the the DX Service Station site be "closed" for the following reasons: 1) The extent and degree of petroleum contamination in soil and groundwater has been adequately defined. 2) Free product has not been encountered in any of the monitoring wells. 3) Groundwater contaminant levels appear to be stable to decreasing. 4) Residual soil contamination, including areas of NR720 Direct Contact RCL exceedances can be addressed by a Cap Maintenance Plan. 5) The downgradient extent of groundwater contamination has been adequately addressed and closed by the WDNR during the investigation of the down-gradient Town of Ridgeville site.

The Case Closure – GIS Registry (Form 4400-202) is being sent along with this report.

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### 1.0 INTRODUCTION AND BACKGROUND

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

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

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

### 1.1 Responsible Party Information

Michael Larson 308 Main Street Norwalk, WI 54648 (608) 823-7706

#### 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

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: 308 Main Street Norwalk, Wisconsin

Latitude and Longitude: 43° 49' 48" N and 90° 37' 20" W

WTM Coordinates: 469977, 373204

Township/Range:

SE ¼, SW ¼, Section 28, Township 16 North, Range 2 West, Monroe County

### 1.4 Site History

Michael Larson has owned the subject property since 2008 and operates an auto repair and used car sales business on the property. A gas station operated on the subject property from approximately the 1930's until the 1960's. In the 1980's, a 1,000 gallon leaded gasoline UST was removed from the subject property.

Petroleum contamination was discovered at the DX Service Station site during the investigation of petroleum contamination at the Town of Ridgeville property, which is located approximately 100 feet to the southeast. Results of the Town of Ridgeville site investigation showed that petroleum contamination from the DX Service Station had commingled with the petroleum contamination at the Town of Ridgeville site. Because of this, the DX Service Station property was reported to the WDNR as an additional source of petroleum contamination. The WDNR then required that a site investigation be conducted at the DX Service Station property.

### 2.0 GEOLOGY AND RECEPTORS

### 2.1 Regional and Local Geology and Hydrogeology

#### Topography and Regional Setting

According to the USGS Hydrologic Atlas, Norwalk is located in the northwest portion of the Lower Wisconsin River Basin. Rugged, steep-walled valleys and high relief characterize this area, which is part of the unglaciated region.

The elevation of the site is approximately 1,015 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.

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

- From surface to depths ranging from 4 to 11 feet below ground surface (bgs) exists a brown to gray to green sandy silt/clay.
- From depths ranging from 4 to 11 feet bgs and extending to at least 14 feet bgs exists a tan to orange to gray, medium to coarse grained sand to silty sand (weathered sandstone).

Competent bedrock was not encountered during the site investigation, but competent sandstone bedrock is expected to exist at approximately 15 to 20 feet bgs.

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

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

### Hydrogeology

According to data collected from the monitoring wells, the depth to groundwater ranges from 3.73 to 8.26 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 east 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 soil appears to extend up to the onsite building and the extent of petroleum contamination in groundwater appears to extend underneath the on-site building. However, vapor intrusion does not

appear to be a risk at this time for the following reasons: 1) Free product has not been encountered in any monitoring wells. 2) Benzene concentrations in groundwater are less than 1,000 ppb. 3) The on-site building is situated upgradient of the groundwater flow direction. 4) The building does not have any basement or sumps.

The extent of petroleum contamination in soil and/or groundwater appears to intersect the following utility corridors:

- <u>Sewer and water service lines to the on-site building.</u> These are privately owned utility lines and there is no documentation of their construction. These are estimated to exist at approximately 6 to 8 feet bgs and located near the water table. However, since the watertable exists in sand, we do not expect any significant contaminant migration along the utility corridors.
- <u>Natural gas main and service line to on-site building.</u> Natural gas lines typically exist within three feet of ground surface and are backfilled with native soil. Therefore, these are not likely preferential contaminant migration pathways.
- <u>Storm sewer, sanitary sewer main, and water main in Main Street.</u> According to the Village of Norwalk, these utility lines exist at approximately 6 feet bgs and the backfill around the utility lines consists of native soil. Although the utility corridors exists near the watertable, these do not appear to be a preferential contaminant migration pathway since they are backfilled with native soil.

### **Municipal and Private Water Supply Wells**

The Village of Norwalk has two municipal wells, which exist approximately 1,800 feet to the south of the subject property. No private potable wells are known to exist within the village limits.

#### **Surface Waters**

The nearest surface water is an unnamed creek, which exists approximately 60 feet south of the former UST area. Based on the results of the groundwater samples collected during the investigation, it does not appear that the extent of petroleum contamination in soil and groundwater has migrated to any surface waters.

### 3.0 SITE INVESTIGATION RESULTS, RISK CRITERIA

### 3.1 Methods of Investigation

### Workscope

The workscope performed for the Site Investigation included the following:

- 1) Collected site background information.
- 2) On July 19, 2011, METCO prepared a LUST Investigation Field Procedures Workplan.
- 3) On March 18-19, 2013, METCO completed eleven Geoprobe borings. Thirty-three soil samples and five groundwater samples were collected for field and/or laboratory analysis. Monitoring wells were installed in four of the Geoprobe boring locations. Upon completion, the monitoring wells were properly developed.
- 4) On May 23, 2013, METCO collected groundwater samples from the four monitoring wells for field and laboratory analysis. The monitoring well network, including the Town of Ridgeville monitoring wells, was also surveyed at this time (Round 1).
- 5) On August 26, 2013, METCO collected groundwater samples from the four monitoring wells for field and laboratory analysis (Round 2).
- 6) On February 17, 2014, METCO collected groundwater samples from the four monitoring wells for field and laboratory analysis (Round 3).
- 7) On May 21, 2014, METCO collected groundwater samples from the four monitoring wells for field and laboratory analysis (Round 4).
- 8) On August 10, 2015, METCO collected groundwater samples from the four monitoring wells for field and laboratory analysis (Round 5).
- 9) On November 12, 2015, METCO collected groundwater samples from the four monitoring wells for field and laboratory analysis (Round 6).

#### **Site Access Problems**

No site access problems were encountered during the site 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.

#### 3.2 Data Discussion

### **Soil Sampling Data**

On March 18-19, 2013, during the Geoprobe/Drilling project, eleven soil borings were completed with thirty-three soil samples collected for field analysis (PID). Twenty-three of these were submitted for laboratory analysis (GRO, VOC, PVOC, Naphthalene, and Lead).

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

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

### **Groundwater Sampling Data**

On March 18, 2013, during the Geoprobe project, five groundwater samples were collected from the borings for PVOC and Naphthalene analysis.

On March 19, 2013, during the Drilling project, four monitoring wells were installed and subsequently developed.

On May 23, 2013, Round 1 groundwater samples were collected from the four monitoring wells and analyzed for VOC, Dissolved Lead, and natural attenuation parameters (Dissolved Iron, Dissolved Manganese, Sulfates, and Nitrate/Nitrite). Field measurements for water level, temperature, pH, ORP, Dissolved Oxygen and Specific Conductance were also collected from the four monitoring wells. Water level measurements were also collected from five monitoring wells at the Town of Ridgeville site.

On August 26, 2013, Round 2 groundwater samples were collected from the four monitoring wells and analyzed for PVOC and Naphthalene. Field measurements for water level, temperature, pH, ORP, Dissolved Oxygen and Specific Conductance were also collected from the four monitoring wells. Water level measurements were also collected from five monitoring wells at the Town of Ridgeville site.

On February 17, 2014, Round 3 groundwater samples were collected from the four monitoring wells and analyzed for PVOC and Naphthalene. Field measurements for water level, temperature, pH, ORP, Dissolved Oxygen and Specific Conductance were also collected from the four monitoring wells. Water level measurements were also collected from three monitoring wells at the Town of Ridgeville site.

On May 21, 2014, Round 4 groundwater samples were collected from the four monitoring wells and analyzed for PVOC and Naphthalene. Field measurements for water level, temperature, pH, ORP, Dissolved Oxygen and Specific Conductance were also collected from the four monitoring wells. Water level measurements were also collected from three monitoring wells at the Town of Ridgeville site.

On August 10, 2015, Round 5 groundwater samples were collected from the four monitoring wells and analyzed for PVOC and Naphthalene. Field measurements for water level, temperature, pH, ORP, Dissolved Oxygen and Specific Conductance were also collected from the four monitoring wells. A water level measurement was also collected from one monitoring well at the Town of Ridgeville site.

On November 12, 2015, Round 5 groundwater samples were collected from the four monitoring wells and analyzed for PVOC and Naphthalene. Field measurements for water level, temperature, pH, ORP, Dissolved Oxygen and Specific Conductance were also collected from the four monitoring wells. A water level measurement was also collected from one monitoring well at the Town of Ridgeville site.

Geoprobe boring and monitoring well groundwater analytical results are summarized in the Groundwater Analytical Tables 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.

### **Laboratory Certification**

Synergy Environmental Lab Wisconsin Lab Certification #445037560

### 3.3 Permeability and Hydraulic Conductivities

No analysis of permeability or hydraulic conductivity were conducted on the DX Service Station monitoring wells. However, on July 14, 2010, METCO conducted slug tests on monitoring wells MW-2, and MW-6 at the adjacent Town of Ridgeville site. 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 the following:

Monitoring Well MW-2 (Town of Ridgeville)
Hydraulic Conductivity = 0.000335 cm/sec

Transmissivity = 0.0704 cm<sup>2</sup>/sec Flow Velocity (V=KI/n) = 4.17 m/yr

Monitoring Well MW-6 (Town of Ridgeville)
Hydraulic Conductivity = 0.00112 cm/sec
Transmissivity = 0.262 cm²/sec
Flow Velocity (V=KI/n) = 13.87 m/yr

Since the thickness of the unconfined aquifer was unknown, the bottoms of monitoring wells MW-2 and MW-6 were assumed as the lower extent of the aquifer for calculation purposes. Slug test data is presented in Appendix D.

#### 3.4 Discussion of Results

Geologic material in the area of investigation generally consists of sandy silt/clay from surface to depths ranging from 4 to 11 feet bgs. Underlying the sandy silt/clay exists a medium to coarse grained sand to silty sand (weathered sandstone), which extends to at least 14 feet bgs. Competent bedrock was not encountered during the site investigation, but competent sandstone bedrock is expected to exist at approximately 15 to 20 feet bgs.

According to data collected from the monitoring wells, the depth to groundwater ranges from 3.73 to 8.26 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 east to southeast.

An area of unsaturated soil contamination exceeding the NR720 Groundwater RCLs was found in the area of the removed UST systems. This soil contamination plume consists of an oval shaped area and appears to measure approximately 52 feet long, 27 feet wide, and up to 8 feet thick.

An area of residual soil contamination exceeding the NR720 Direct Contact RCLs was found in the area of the former pump island. This soil contamination plume consists of an oval shaped area and appears to measure approximately 17 feet long, 9 feet wide, and up to 4 feet thick.

A dissolved phase contaminant plume exceeding the NR140 ES and PAL has formed at the watertable in the area of the former UST systems and has migrated toward the southeast. This plume appears to measure approximately 295 feet long and up to 92 feet wide. However, this groundwater contamination plume appears to be commingled with groundwater contamination from the Town of Ridgeville (BRRTS # 03-42-553428) site and these measurements include both sites.

Based on the receptor survey, there does not appear to be any risk to any potable wells or surface waters. There also does not appear to be any risk of

contaminant migration along utility corridors or vapor intrusion to nearby buildings.

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:

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

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

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

Based on the NR746.03 definitions, the DX Service Station site is currently a "medium 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

Based on the results of the investigation, METCO recommends the the DX Service Station site be "closed" for the following reasons: 1) The extent and degree of petroleum contamination in soil and groundwater has been adequately defined. 2) Free product has not been encountered in any of the monitoring wells. 3) Groundwater contaminant levels appear to be stable to decreasing. 4) Residual soil contamination, including areas of NR720 Direct Contact RCL exceedances can be addressed by a Cap Maintenance Plan. 5) The down-gradient extent of groundwater contamination has been adequately addressed and closed by the WDNR during the investigation of the down-gradient Town of Ridgeville site.

The Case Closure – GIS Registry (Form 4400-202) is being sent along with this report.

### 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.

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

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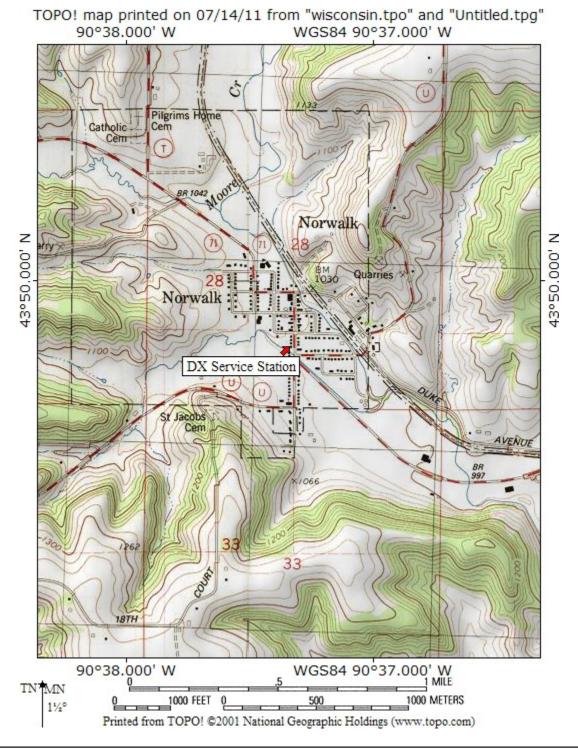
Walton, W.C., 1989, Groundwater Pumping Tests, Chelsea, Michigan.

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Hindall, S.M. and Borman R.G., 1974, Water Resources of Wisconsin – Lower Wisconsin River Basin, Hydrologic Investigations, Atlas HA-479, U.S. Geological Survey, Washington D.C.

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

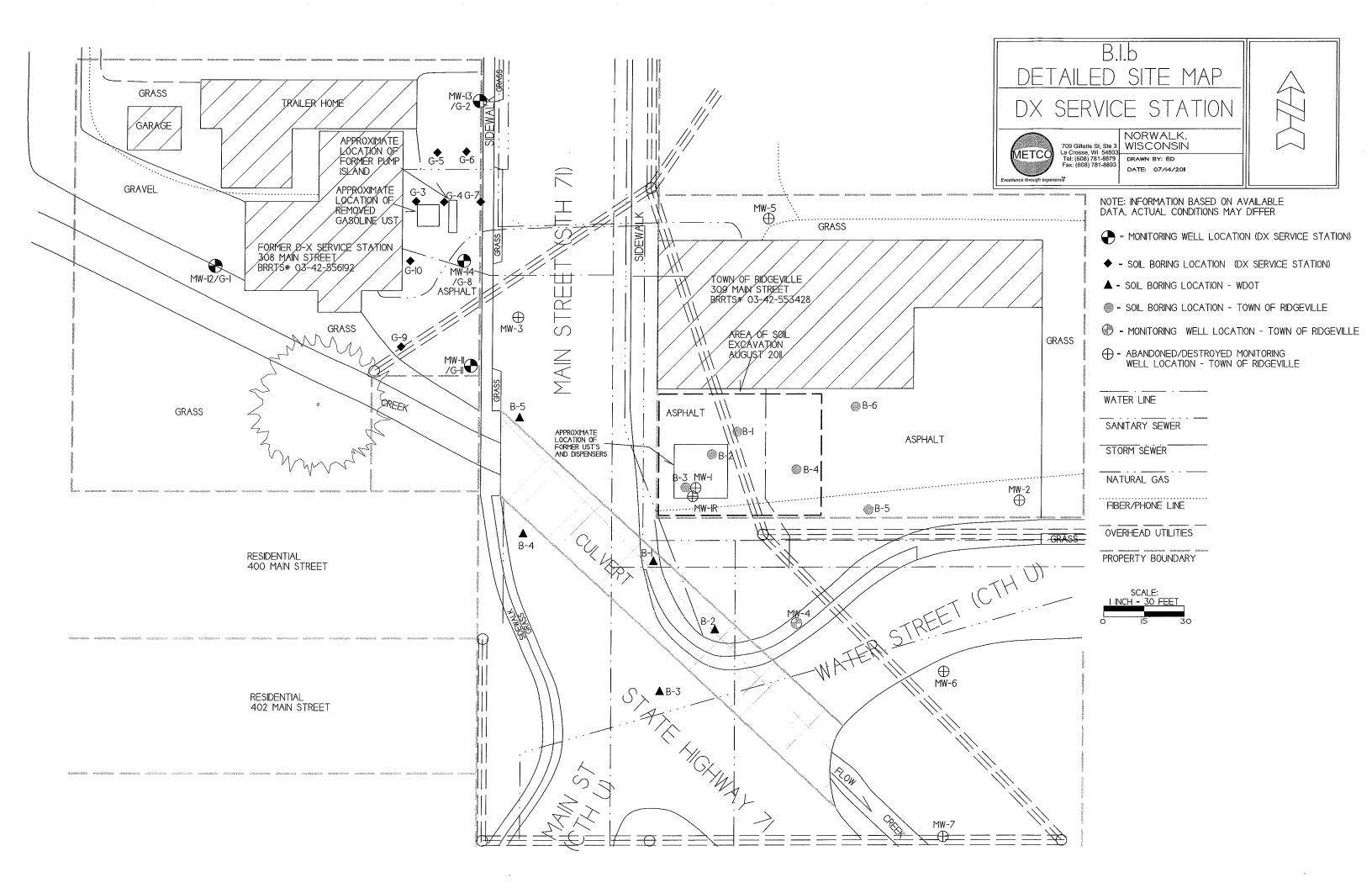
6.0 FIGURES

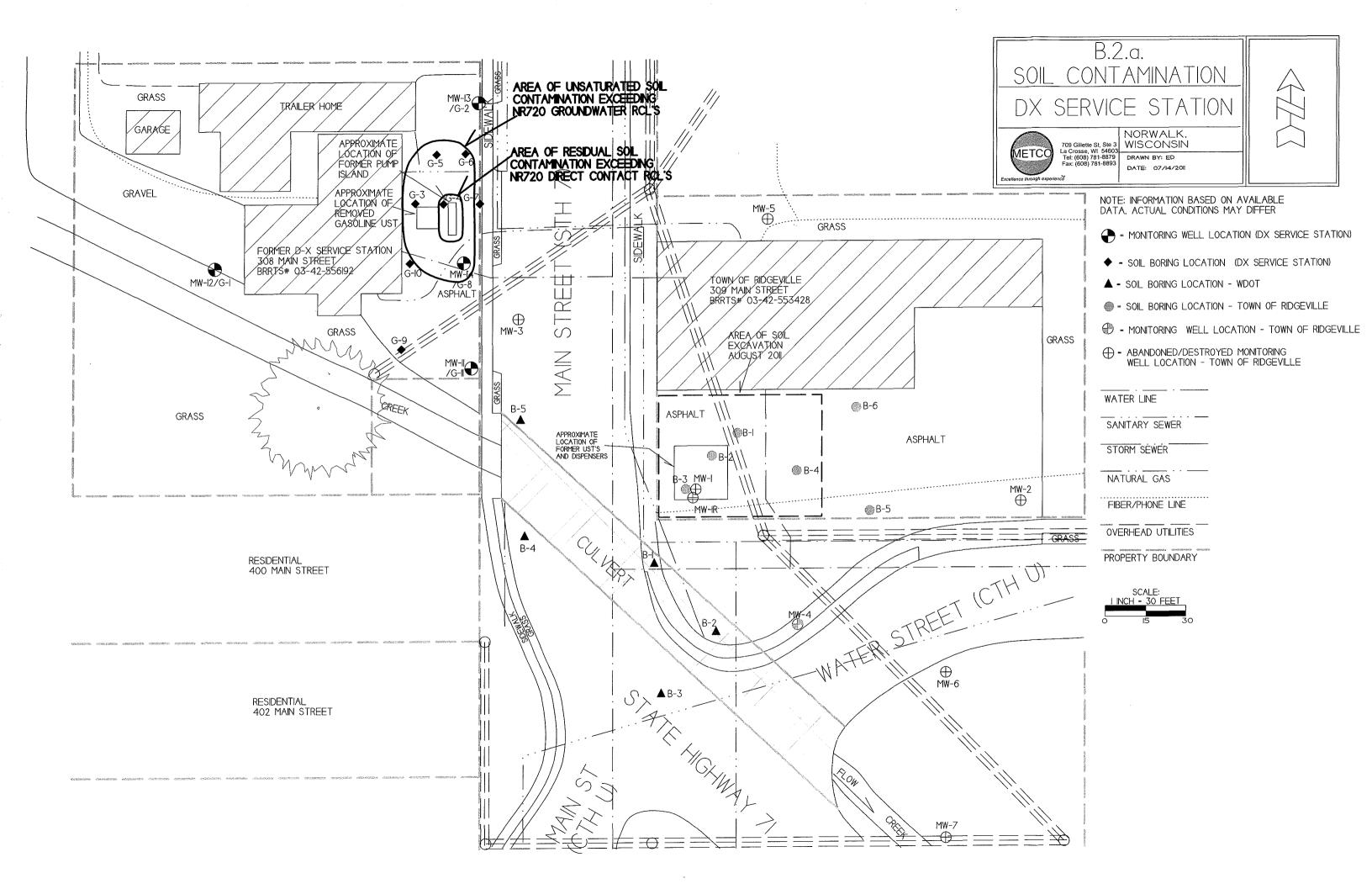


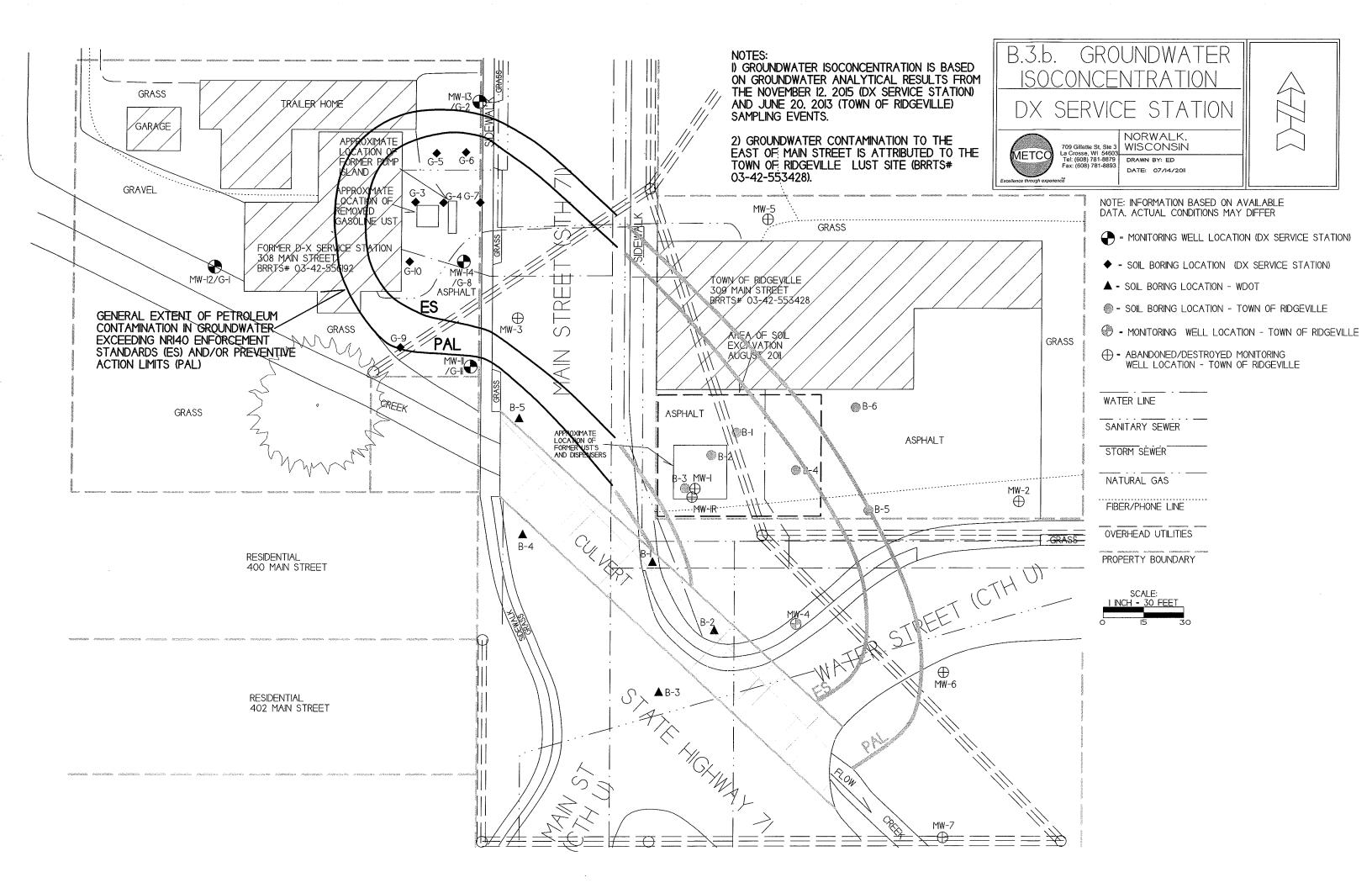
B.1.a. LOCATION MAP – CONTOUR INTERVAL 20 FEET

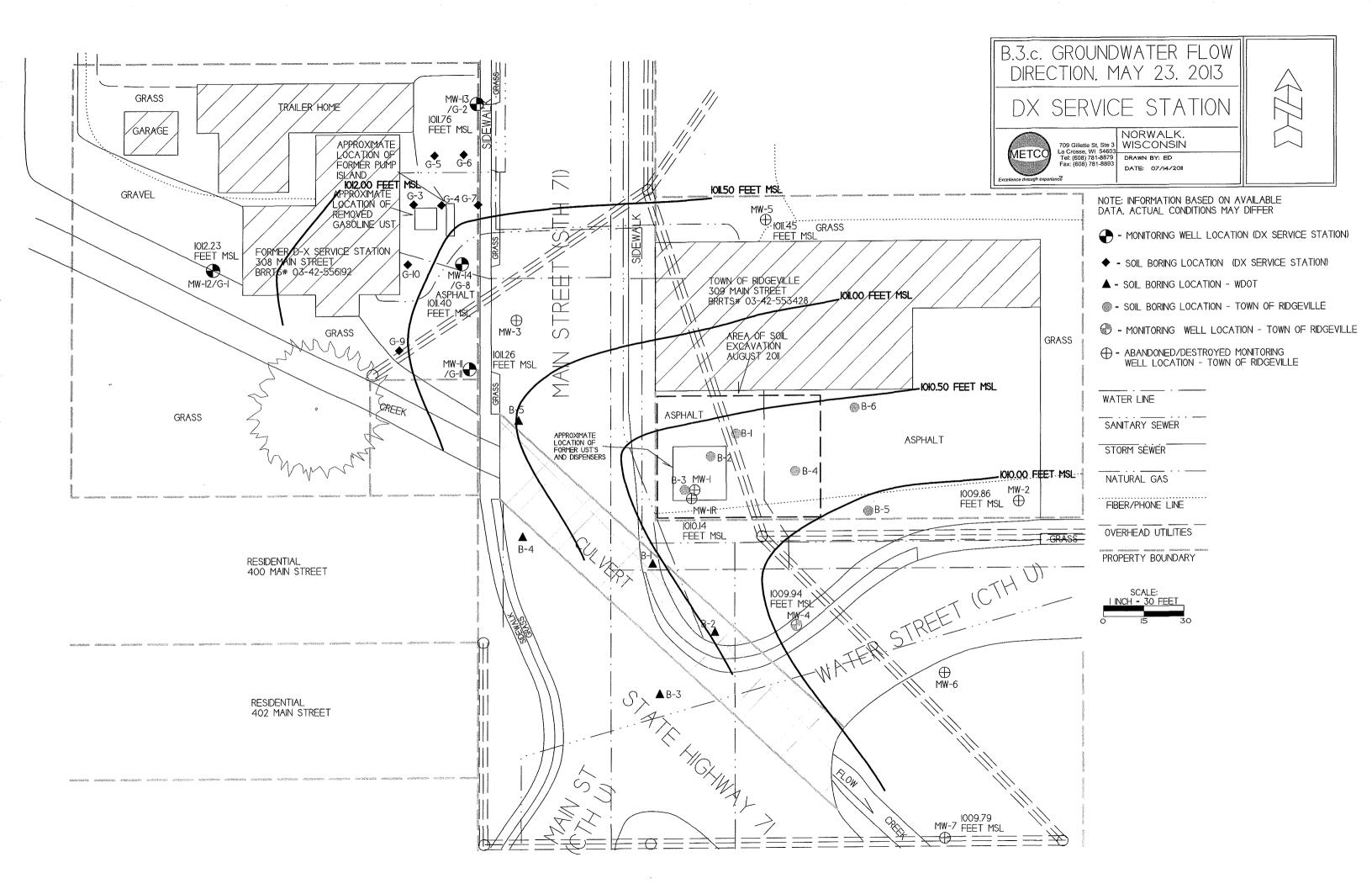
DX SERVICE STATION – NORWALK, WI

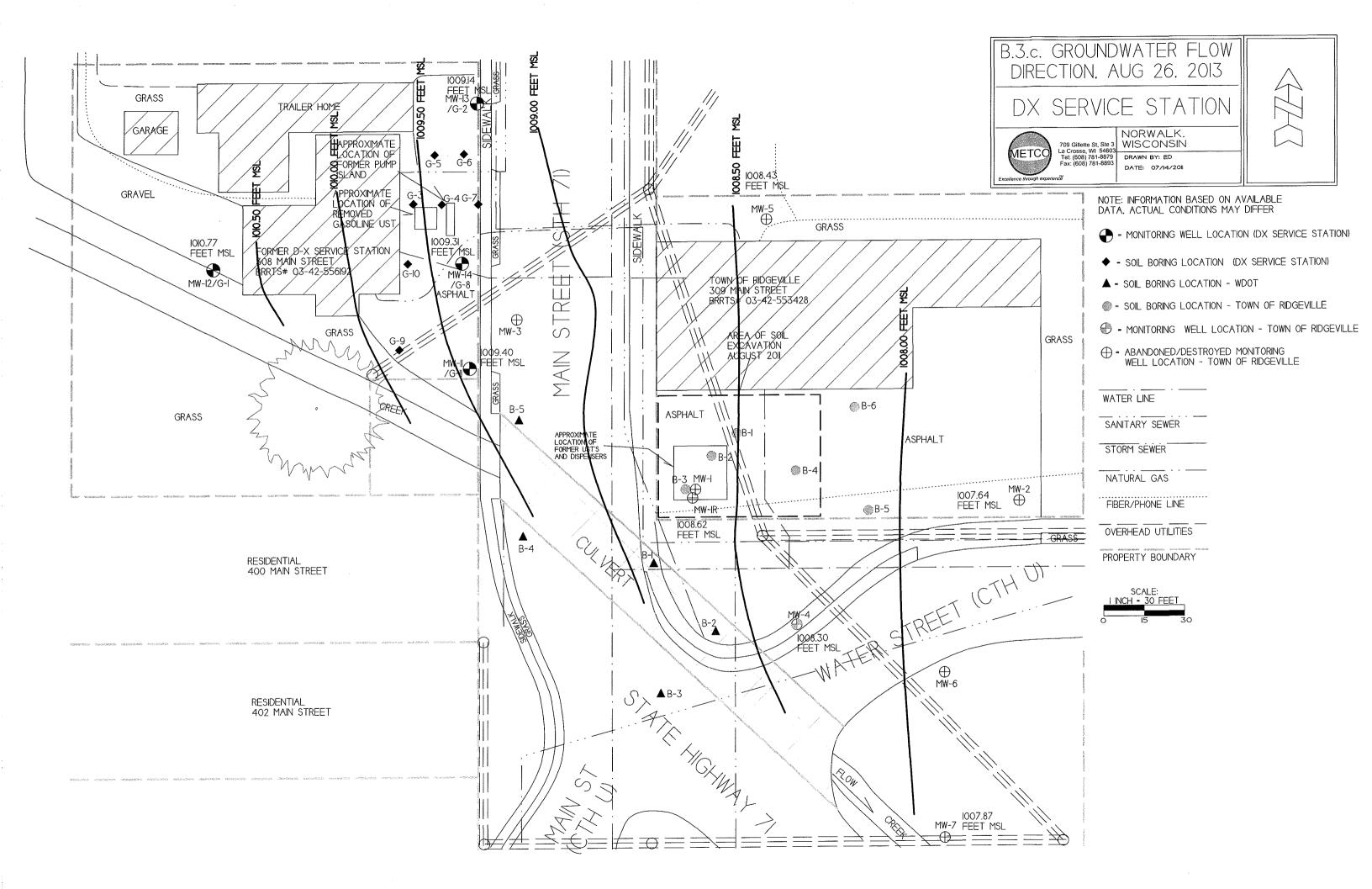
SEAMLESS USGS TOPOGRAPHIC MAPS ON CD-ROM

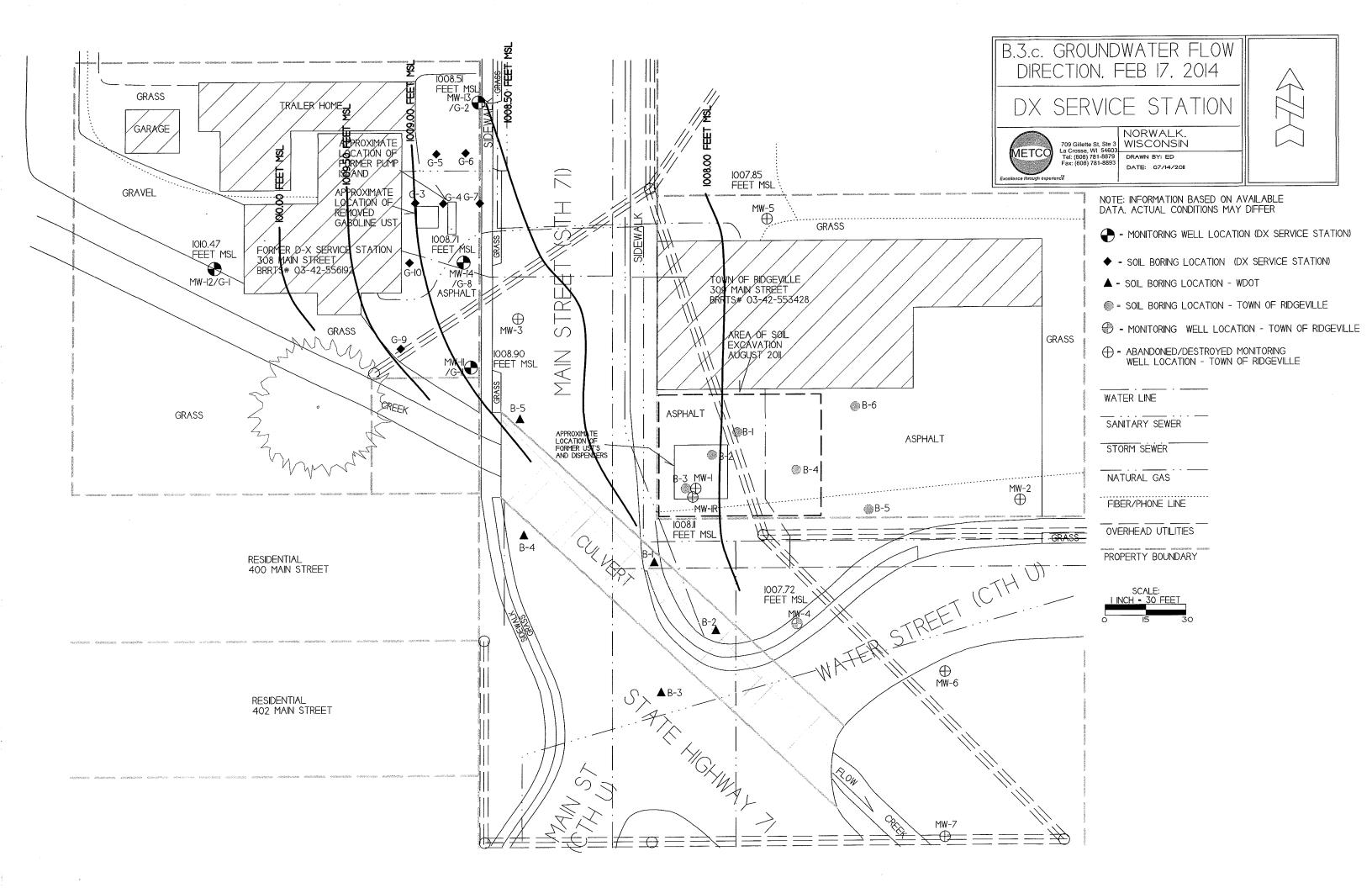


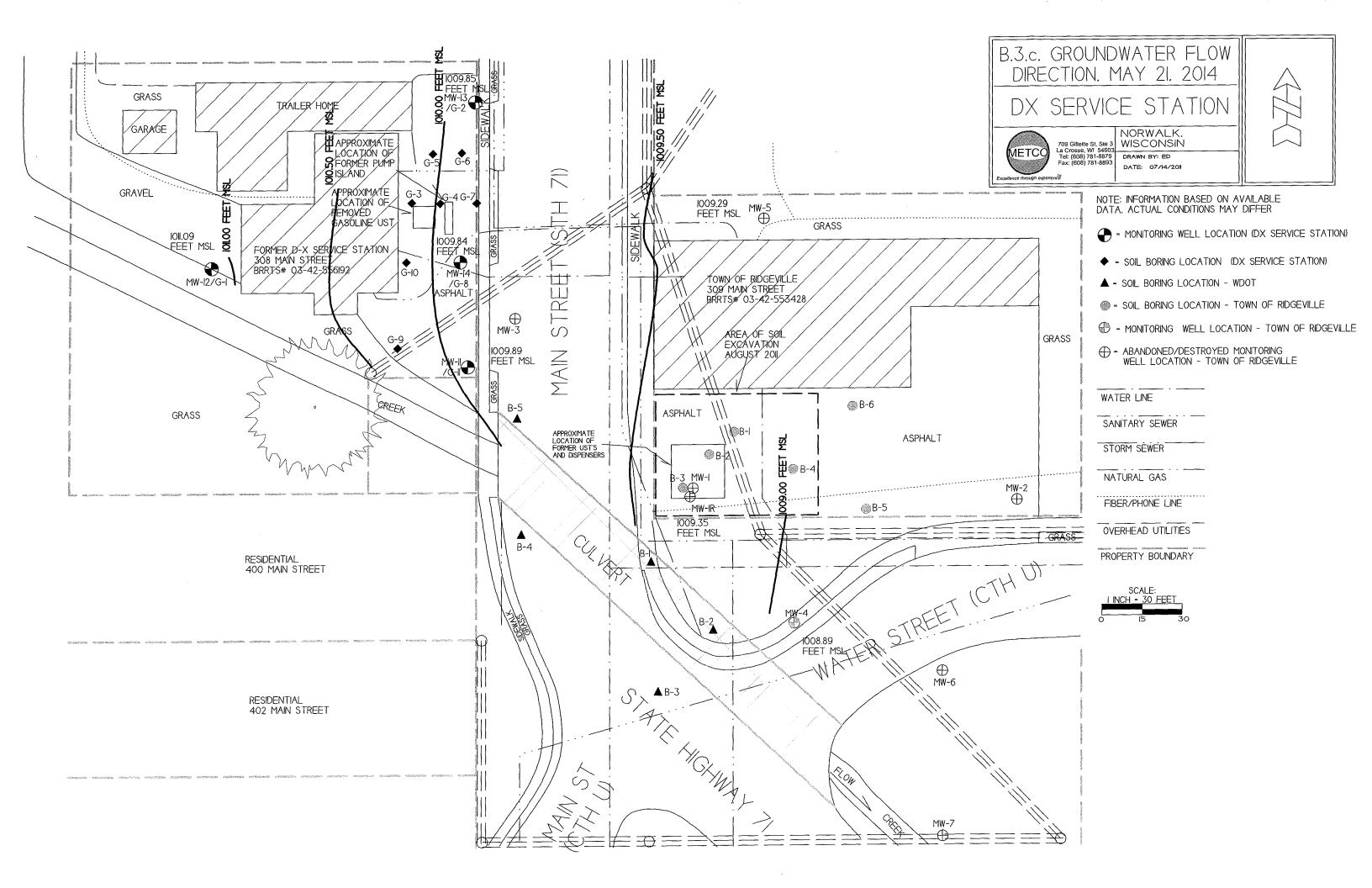


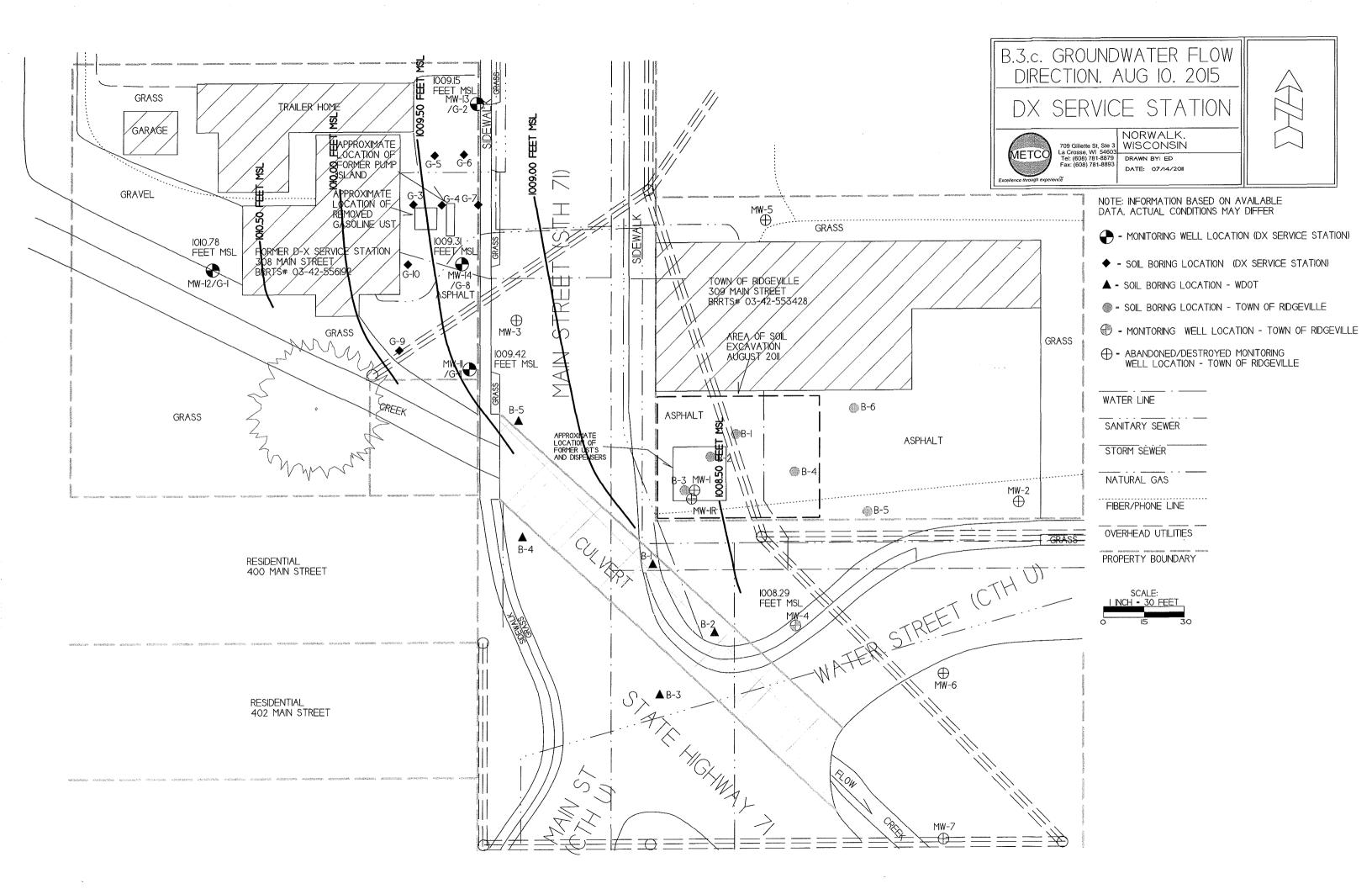


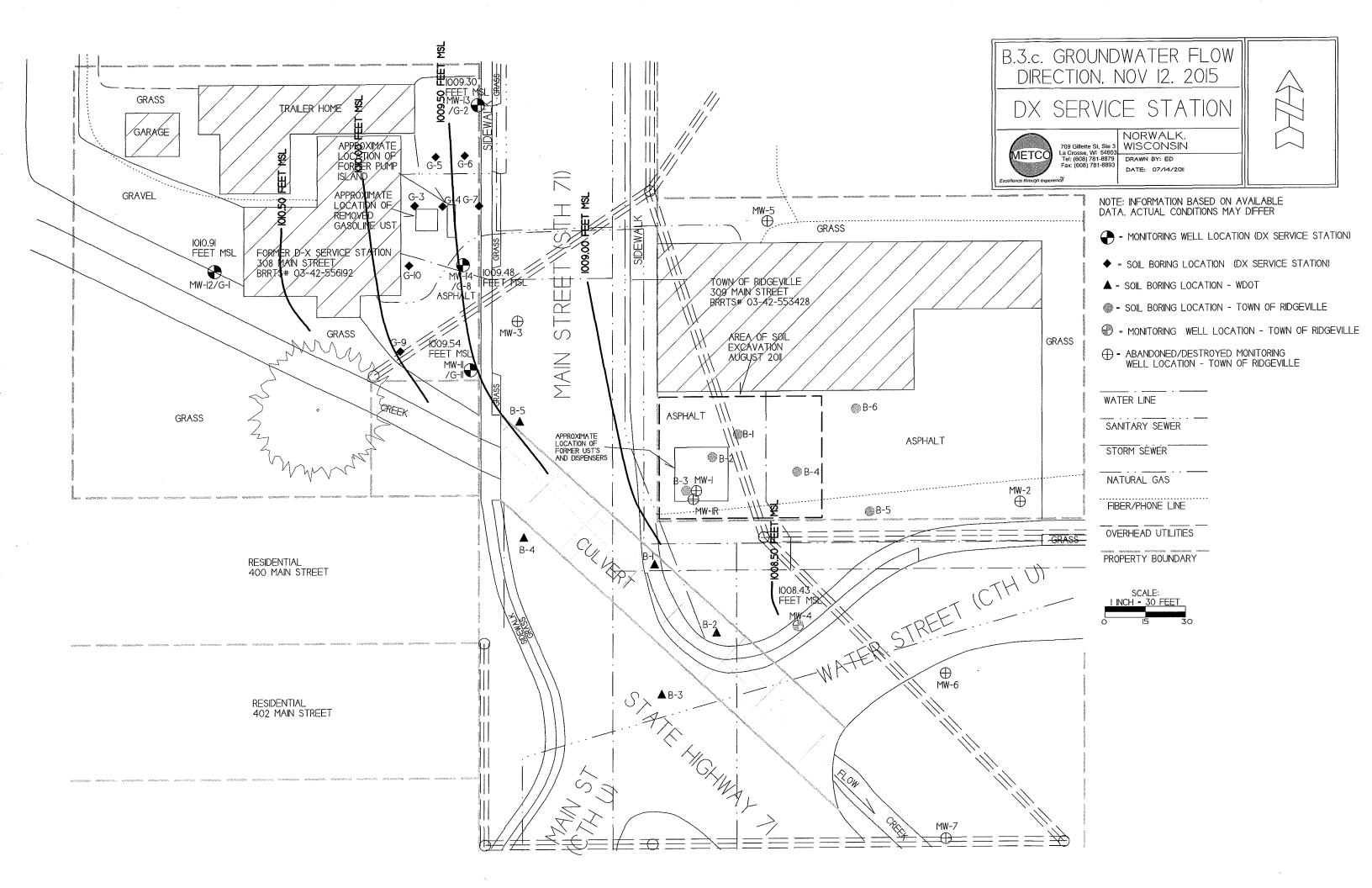


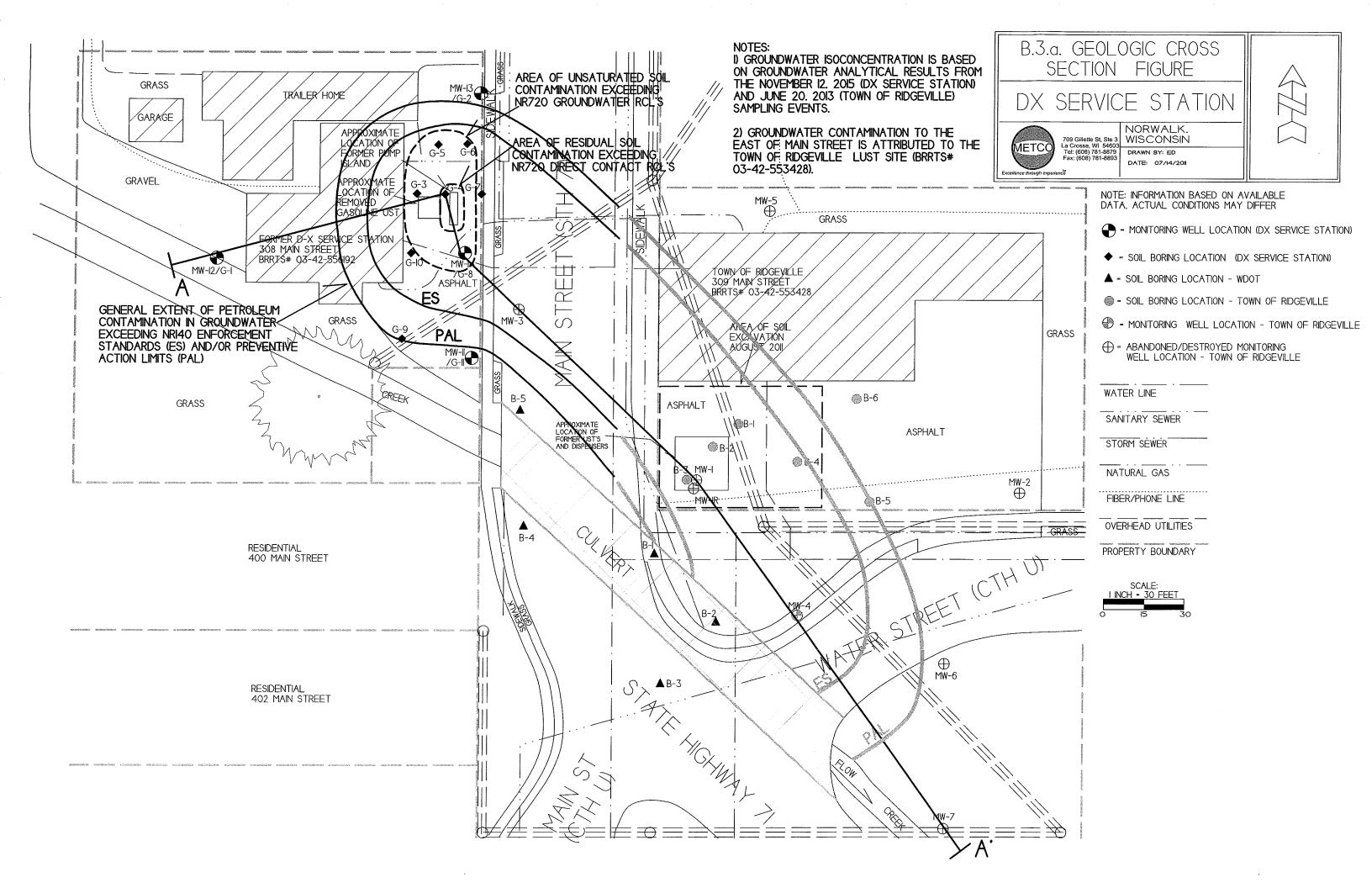


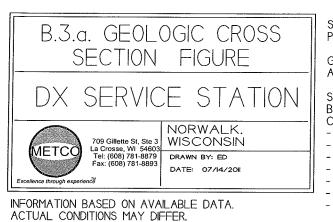












**NORTHWEST** 

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

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

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

- DRILLING PROJECT (12/7-9/09) - TOWN OF RIDGEVILLE - DRILLING PROJECT (6/24/10) - TOWN OF RIDGEVILLE

- GROUNDWATER MONITORING (7/14/10) - TOWN OF RIDGEVILLE (MW-3)

- SOIL EXCAVATION PROJECT (8/1/II) - TOWN OF RIDGEVILLE - DRILLING PROJECT (3/18/13) - DX SERVICE STATION

GROUNDWATER MONITORING (6/20/13) - TOWN OF RIDGEVILLE

- GROUNDWATER MONITORING (II/12/15) - DX SERVICE STATION

◆ = SOIL BORING LOCATION - DX SERVICE STATION

\* - SOIL BORING LOCATION - TOWN OF RIDGEVILLE

◆ - MONITORING WELL LOCATION - DX SERVICE STATION

- MONITORING WELL LOCATION - TOWN OF RIDGEVILLE

⊕ - MONITORING WELL ABANDONED OR DESTROYED

X = SOIL EXCAVATION SAMPLE - TOWN OF RIDGEVILLE

◆ = SOIL SAMPLE LOCATION - DX SERVICE STATION

SOIL SAMPLE LOCATION - TOWN OF RIDGEVILLE

▼ = WATERTABLE

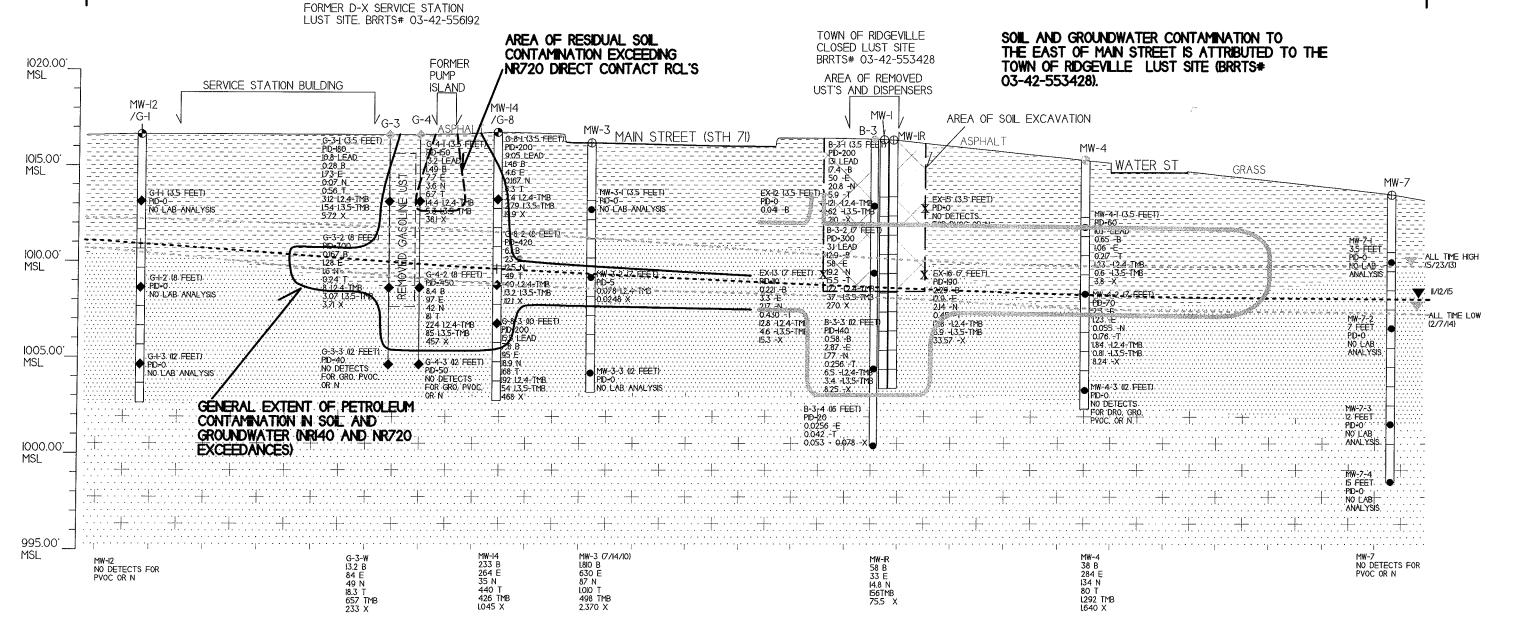
BROWN TO BLACK TO GRAY SILT/CLAY TO SANDY SILT/CLAY

GRAY TO GREEN TO TAN TO ORANGE, FINE TO COARSE GRAINED SAND WITH COBBLES

> TAN TO GREEN, VERY FINE TO FINE GRAINED SILTY SAND WITH COBBLES AND CHERT (WEATHERED SANDSTONE)

PID - PHOTO IONIZATION DETECTOR B = BENZENE E = ETHYLBENZENE N = NAPHTHALENE T = TOLUENE TMB - TRIMETHYLBENZENES X = XYLENE VERTICAL SCALE: I INCH - 5 FEET HORIZONTAL SCALE: I INCH - 30 FEET

SOUTHEAST



7.0 DATA TABLES, GRAPHS, AND STATISTICAL ANALYSIS

#### A.1 Groundwater Analytical Table DX Service Station BRRTS# 03-42-556192

Well MW-11 PVC Elevation =

1016.60 (feet)

(MSL)

	Water	Depth			Ethyl		Naph-		Trimethyl-	Xylene
i	Elevation	to Water	Lead	Benzene	Benzene	MTBE	thalene	Toluene	benzenes	(Total)
Date	(in feet msl)	(in feet)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)
05/23/13	1011.26	5.34	<0.7	2.08	5.8	<0.23	<1.7	5.1	10.55	17.9
08/26/13	1009.40	7.20	NS	0.32	<0.55	<0.23	<1.7	< 0.69	<3.6	<1.32
02/17/14	1008.90	7.70	NS	<0.27	<0.82	<0.37	<1.2	<0.8	<1.69	<2.41
05/21/14	1009.89	6.71	NS	2.01	7.7	<0.37	<1.2	4.3	8.1-8.96	12.6
08/10/15	1009.42	7.18	NS	<0.46	<0.73	<0.49	<2.6	< 0.39	<1.51	<2.06
11/12/15	1009.54	7.06	NS	<0.46	<0.73	<0.49	<2.6	<0.39	<1.51	<2.06
ENFORCE MEN	NT STANDARD	ES = Bold	15	5	700	60	100	800	480	2000
PREVENTIVE A	ACTION LIMIT F	PAL = Italics	1.5	0.5	140	12	10	160	96	400

(ppb) = parts per billion ns = not sampled

(ppm) = parts per million

nm = not measured Note: Elevations are presented in feet mean sea level (msl).

Well MW-12

PVC Elevation =

1016.19 (feet) (MSL)

	Water	Depth			Ethyl		Naph-		Trimethyl-	Xylene
i	Elevation	to Water	Lead	Benzene	Benzene	MTBE	thalene	Toluene	benzenes	(Total)
Date	(in feet msl)	(in feet)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)
05/23/13	1012.23	3.96	<0.7	<0.24	<0.55	<0.23	<1.7	< 0.69	<3.6	<1.32
08/26/13	1010.77	5.42	NS	<0.24	<0.55	<0.23	<1.7	< 0.69	<3.6	<1.32
02/17/14	1010.47	5.72	NS	<0.27	<0.82	< 0.37	<1.2	<0.8	<1.69	<2.41
05/21/14	1011.09	5.10	NS	<0.27	<0.82	<0.37	<1.2	<0.8	<1.69	<2.41
08/10/15	1010.78	5.41	NS	<0.46	<0.73	<0.49	<2.6	<0.39	<1.51	<2.06
11/12/15	1010.91	5.28	NS	<0.46	<0.73	<0.49	<2.6	<0.39	<1.51	<2.06
ENFORCE MEI	NT STANDARD	ES = Bold	15	5	700	60	100	800	480	2000
PREVENTIVE A	ACTION LIMIT F	PAL = Italics	1.5	0.5	140	12	10	160	96	400

(ppb) = parts per billion

(ppm) = parts per million

ns = not sampled

nm = not measured

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

Well MW-13 PVC Elevation =

1016.19 (feet)

(MSL)

	Water	Depth			Ethyl		Naph-		Trimethyl-	Xylene
	Elevation	to Water	Lead	Benzene	Benzene	MTBE	thalene	Toluene	benzenes	(Total)
Date	(in feet msl)	(in feet)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)
05/23/13	1011.76	4.43	<0.7	<0.24	<0.55	<0.23	<1.7	<0.69	<3.6	<1.32
08/26/13	1009.14	7.05	NS	<0.24	<0.55	<0.23	<1.7	< 0.69	<3.6	<1.32
02/17/14	1008.51	7.68	NS	<0.27	<0.82	<0.37	<1.2	<0.8	<1.69	<2.41
05/21/14	1009.85	6.34	NS	<0.27	<0.82	<0.37	<1.2	<0.8	<1.69	<2.41
08/10/15	1009.15	7.04	NS	<0.46	< 0.73	<0.49	<2.6	<0.39	<1.51	<2.06
11/12/15	1009.30	6.89	NS	<0.46	<0.73	<0.49	<2.6	<0.39	<1.51	<2.06
NFORCE ME	NT STANDARD	ES = Bold	15	5	700	60	100	800	480	2000
REVENTIVE	ACTION LIMIT F	PAL = Italics	1.5	0.5	140	12	10	160	96	400

(ppb) = parts per billion

(ppm) = parts per million

ns = not sampled

nm = not measured

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

Well MW-14

PVC Elevation =

1016.30 (feet)

(MSL)

	Water	Depth			Ethyl		Naph-		Trimethyl-	Xylene
1	Elevation	to Water	Lead	Benzene	Benzene	MTBE	thalene	Toluene	benzenes	(Total)
Date	(in feet msl)	(in feet)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)
05/23/13	1011.40	4.90	<0.7	370	1300	<11.5	223	2760	2200	5720
08/26/13	1009.31	6.99	NS	182	280	<11.5	<85	570	422	919
02/17/14	1008.71	7.59	NS	61	90	<3.7	61	44	110.8	181.6
05/21/14	1009.84	6.46	NS	188	350	<3.7	61	620	530	1210
08/10/15	1009.31	6.99	NS	213	247	<4.9	33	420	290	827
11/12/15	1009.48	6.82	NS	233	264	< 0.49	35	440	426	1045
ENFORCE ME	NT STANDARD	ES = Bold	15	5	700	60	100	800	480	2000
PREVENTIVE.	ACTION LIMIT F	PAL = Italics	1.5	0.5	140	12	10	160	96	400

(ppb) = parts per billion ns = not sampled

(ppm) = parts per million

nm = not measured

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

A.1 Groundwater Analytical Table DX Service Station BRRTS# 03-42-556192

Well MW-1

(Town of Ridgeville) 1016.09 (feet)

PVC Elevation =

(MSL)

	Water	Depth		Ethyl		Naph-		Trimethyl-	Xylene
1	Elevation	to Water	Benzene	Benzene	MTBE	thalene	Toluene	benzenes	(Total)
Date	(in feet msl)	(in feet)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)
01/19/10	-7.02	7.02	630	230	8.4	84	217	478	884
07/14/10	-6.06	6.06	740	380	<4.9	120	52	718	1376
08/01/11	MW-1 ABA	NDONED DUR	NG SOIL	EXCAVAT	ON PROJE	CT AND F	REPLACED	BY MW-1R	
ENFORCE ME	NT STANDARD	= ES – Bold	5	700	60	100	800	480	2000
PREVENTIVE	ACTION LIMIT =	PAL - Italics	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-1R

(Town of Ridgeville)

PVC Elevation =

1015.73 Resurveyed 5-23-13 1015.50 (feet) (MSL)

	Water	Depth			Ethyl		Naph-		Trimethyl-	Xylene
	Elevation	to Water	Lead	Benzene	Benzene	MTBE	thalene	Toluene	benzenes	(Total)
Date	(in feet msl)	(in feet)	(ppb)	(ppb)	(ppb)	(dqq)	(ppb)	(ppb)	(ppb)	(ppb)
12/22/2011	1008.29	7.21	NM	530	80	14.7	78	36	213	171
3/21/2012	1008.44	7.06	NM	510	110	15.4	54	39	209	238
9/20/2012	1008.00	7.50	NM	40	40	<5.7	30.4	19.8	80.2	108
12/17/2012	1008.21	7.29	NM	23.9	16.6	<8	<21	<5.3	17.7-25.10	24.9-32.90
3/13/2013	1008.34	7.16	NM	34	30.4	<0.37	12.9	1.52	72.9	51.07
05/23/13	1010.14	5.59				NC	OT SAMPLE	)		
06/20/13	1009.77	6.32	NS	58	33	<3.7	14.8	<8	156	75.5
08/26/13	1008.62	7.11				NC	OT SAMPLE	)		
02/17/14	1008.11	7.62				NC	OT SAMPLE	)		
05/21/14	1009.35	6.38				NC	OT SAMPLE	)		
11/25/14					WELL ABA	NDONED				
ENFORCE ME	NT STANDARD	ES = Bold	15	5	700	60	100	800	480	2000
PREVENTIVE /	ACTION LIMIT F	PAL = Italics	1.5	0.5	140	12	10	160	96	400
(ppb) = parts pe	er billion	(ppm) = parts p	er million							

(ppb) = parts per billion ns = not sampled

nm = not measured

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

Well MW-2

(Town of Ridgeville)

1014.68 Resurveyed 5-23-13

PVC Elevation =

1014.75 (feet) (MSL)

	Water	Depth			Ethyl		Naph-		Trimethyl-	Xylene
	Elevation	to Water	Lead	Benzene	Benzene	MTBE	thalene	Toluene	benzenes	(Total)
Date	(in feet msl)	(in feet)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)
01/19/10	1007.64	7.11	NM	<0.41	<0.87	<0.5	<1.7	<0.51	<2.6	<2.13
07/14/10	1008.67	6.08	NM	<0.4	< 0.65	<0.49	<1.2	<0.86	<1.49	<2.15
12/22/2011	1007.69	7.06	NM	<0.49	<0.98	<0.47	<2	<0.89	<2.7	<3.2
3/21/2012	1007.79	6.96	NM	<1.46	< 0.46	<0.57	<2.3	<0.48	<1.57	<1.45
9/20/2012	1007.31	7.44	NM	<0.46	<0.46	<0.57	<2.3	<0.48	<1.57	<1.45
12/17/2012	1007.49	7.26	NM	<0.5	<0.78	<0.8	<2.1	< 0.53	<1.54	<1.9
3/13/2013	1007.57	7.18	NM	<0.27	< 0.82	<0.37	<1.2	<0.8	<1.69	<2.41
05/23/13	1009.86	4.82				NC	OT SAMPLE	D		
06/20/13	1008.59	6.16	NS	<0.24	< 0.55	<0.23	<1.7	< 0.69	<3.6	<1.32
08/26/13	1007.64	7.04				NC	OT SAMPLE	D		
02/17/14					NOT SA	MPLED				
05/21/14			NOT SAMPLED							
11/25/14					WELL ABA	NDONED				
ENFORCE ME	NT STANDARD	ES = Bold	15	5	700	60	100	800	480	2000
PREVENTIVE A	ACTION LIMIT F	PAL = Italics	1.5	0.5	140	12	10	160	96	400

(ppb) = parts per billion ns = not sampled

(ppm) = parts per million

nm = not measured

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

### A.1 Groundwater Analytical Table DX Service Station BRRTS# 03-42-556192

Well MW-3

(Town of Ridgeville) 1015.73 (feet)

PVC Elevation =

(MSL)

	Water	Depth		Ethyl		Naph-		Trimethyl-	Xylene			
	Elevation	to Water	Benzene	Benzene	MTBE	thalene	Toluene	benzenes	(Total)			
Date	(in feet msl)	(in feet)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)			
01/19/10	-6.02	6.02	810	400	<5	48	169	368	1430			
07/14/10	-5.10	5.10	1810	630	<4.9	87	1010	498	2370			
12/22/11		COULD NOT LOCATE										
03/21/12				P.A	VED OVE	₹						
NFORCE ME	NT STANDARD	= ES – Bold	5	700	60	100	800	480	2000			
PREVENTIVE .	ACTION LIMIT =	PAL - Italics	0.5	140	12	10	160	96	400			
ppb) = parts p ns = not samp Note: Elevation		(ppm) = parts p nm = not meas in feet mean se	ured	sl).								

Well MW-4

(Town of Ridgeville)

1014.89 Resurveyed 5-23-13 1014.78 (feet) (MSL)

PVC Elevation =

	Water	Depth			Ethyl	***************************************	Naph-		Trimethyl-	Xylene
	Elevation	to Water	Lead	Benzene	Benzene	MTBE	thalene	Toluene	benzenes	(Total)
Date	(in feet msl)	(in feet)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)
01/19/10	1008.65	6.13	NM	360	19.3	<5	<17	<5.1	12-27	19.6-24.9
07/14/10	1009.57	5.21	NM	410	53	< 0.49	7	4.7	36.9	46.5
12/22/2011	1008.10	6.68	NM	214	790	<4.7	154	1320	1236	3060
3/21/2012	1008.29	6.49	NM	640	1220	<28.5	370	2710	2150	5530
9/20/2012	1007.69	7.09	NM	160	310	<0.57	95	490	580	1250
12/17/2012	1007.99	6.79	NM	56	166	<40	<105	242	324	598
3/13/2013	1008.16	6.62	NM	97	390	<3.7	127	247	1400	2390
05/23/13	1009.94	4.95				NC	T SAMPLE	D		
06/20/13	1008.86	5.92	NS	38	284	<2.3	134	80	1292	1640
08/26/13	1008.30	6.59				NC	T SAMPLE	D		
02/17/14	1007.72	7.17				NC	T SAMPLE	D		
05/21/14	1008.89	6.00				NC	T SAMPLE	D		
08/10/15	1008.29	6.60				NC	T SAMPLE	D		
11/12/15	1008.43	6.46				NC	T SAMPLE	D		
ENFORCE MEN	NT STANDARD	ES = Bold	15	5	700	60	100	800	480	2000
PREVENTIVE A	ACTION LIMIT F	PAL = Italics	1.5	0.5	140	12	10	160	96	400

(ppb) = parts per billion ns = not sampled

(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 DX Service Station BRRTS# 03-42-556192

Well MW-5

(Town of Ridgeville)

1016.14 Resurveyed 5-23-13

PVC Elevation =

1016.24 (feet) (MSL)

	Water	Depth			Ethyl		Naph-		Trimethyl-	Xylene
	Elevation	to Water	Lead	Benzene	Benzene	MTBE	thalene	Toluene	benzenes	(Total)
Date	(in feet msl)	(in feet)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)
01/19/10	1008.68	7.56	NM	<0.41	<0.87	<0.5	<1.7	<0.51	<2.6	<2.13
07/14/10	1009.88	6.36	NM	<0.4	<0.65	<0.49	<1.2	<0.86	<1.49	<2.15
12/22/2011	1008.52	7.72	NM	<0.49	<0.98	<0.47	<2	<0.89	<2.7	<3.2
3/21/2012	1008.74	7.50	NM	<1.46	<0.46	<0.57	<2.3	<0.48	<1.57	<1.45
9/20/2012	1008.10	8.14	NM	<0.46	< 0.46	<0.57	<2.3	<0.48	<1.57	<1.45
12/17/2012	1008.39	7.85	NM	<0.5	<0.78	<0.8	<2.1	< 0.53	<1.54	<1.9
3/13/2013	1008.46	7.78	NM	<0.27	<0.82	<0.37	<1.2	<0.8	<1.69	<2.41
05/23/13	1011.45	4.69				NC	T SAMPLE	D		
06/20/13	1009.60	6.64	NS	<0.24	<0.55	<0.23	<1.7	< 0.69	<3.6	<1.32
08/26/13	1008.43	7.71				NC	T SAMPLE	Ď		
02/17/14	1007.85	8.29				NC	T SAMPLE	Ď		
05/21/14	1009.29	6.85	NOT SAMPLED							
11/25/14			WELL ABANDONED							
ENFORCE MEN	NT STANDARD	ES = Bold	15	5	700	60	100	800	480	2000
PREVENTIVE A	CTION LIMIT F	PAL = Italics	talics 1.5 0.5 140 12 10 160 96 40							400

(ppb) = parts per billion ns = not sampled

(ppm) = parts per million nm = not measured

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

Well MW-6

(Town of Ridgeville)

PVC Elevation =

1014.05 (feet)

(MSL)

	Water	Depth		Ethyl		Naph-		Trimethyl-	Xylene
l l	Elevation	to Water	Benzene	Benzene	MTBE	thalene	Toluene	benzenes	(Total)
Date	(in feet msl)	(in feet)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)
07/14/10	-5.30	5.30	<0.4	<0.65	<0.49	<1.2	<0.86	<1.49	<2.15
12/22/11				COUL	NOT LO	CATE			
ENFORCE MEN	NT STANDARD	= ES – Bold	5	700	60	100	800	480	2000
PREVENTIVE A	ACTION LIMIT =	PAL - Italics	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-7 PVC Elevation =

(Town of Ridgeville)

1012.91 Resurveyed 5-23-13

1012.92 (feet) (MSL)

<u> </u>	Water	Depth			Ethyl		Naph-		Trimethyl-	Xylene	
	Elevation	to Water	Lead	Benzene	Benzene	MTBE	thalene	Toluene	benzenes	(Total)	
Date	(in feet msl)	(in feet)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)	
07/14/10	1008.72	4.20	NM	<0.4	< 0.65	<0.49	<1.2	<0.86	<1.49	<2.15	
12/22/2011	COULD NOT LOCATE										
9/20/2012	1007.52	5.40	NM	<0.46	<0.46	<0.57	<2.3	<0.48	<1.57	<1.45	
12/17/2012	1007.72	5.20	NM	<0.5	<0.78	<0.8	<2.1	< 0.53	<1.54	<1.9	
3/13/2013	1007.84	5.08	NM	<0.27	<0.82	<0.37	<1.2	<0.8	<1.69	<2.41	
05/23/13	1009.79	3.12	NOT SAMPLED								
08/26/13	1007.87	5.04	NOT SAMPLED								
02/17/14	NOT SAMPLED										
05/21/14	NOT SAMPLED										
11/25/14	WELL ABANDONED										
ENFORCE MEI	15	5	700	60	100	800	480	2000			
PREVENTIVE /	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 (Geoprobe)

DX Service Station BRRTS# 03-42-556192

Sample			Ethyl		Naph-		Trimethyl-	Xylene	Other VOC's
ID	Date	Benzene	Benzene	MTBE	thalene	Toluene	benzenes	(Total)	(ppb)
		_(ppb)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)	
G-3 <b>-</b> W	03/18/13	13.2	84	<3.7	49	18.3	657	233	NS
G-5-W	03/18/13	56	340	<3.7	110	10.8	742	1238	NS
G-7-W	03/18/13	285	430	<3.7	51	14.4	462	971.8	NS
G-9-W	03/18/13	0.92	4.7	< 0.37	13.4	6.4	15.3	22.3	NS
G-10-W	03/18/13	360	3300	<7.4	760	7900	4150	14100	NS
ENFORCE ME	ENFORCE MENT STANDARD <b>ES = Bold</b>		700	60	100	800	480	2000	
PREVENTIVE ACTION LIMIT PAL = Italics		0.5	140	12	10	160	96	400	

NS = Not Sampled

(ppb) = parts per billion

A.1 Groundwater Analytical Table DX Service Station BRRTS# 03-42-556192

Well Sampling Conducted on May 23, 2013

VOC's   Well Name						ENFORCE MENT STANDARD =	PREVENTIVE ACTION LIMIT =	
Baraenelppb	VOC's							
Bromodichloromethanelppb	Well Name	MW-11	MW-12	MW-13	MW-14			
Bromodichorenthanelppb	Benzene/nnh	2.08	<0.24	<0.24	370	5	0.5	
Bromofich connethane ppb	• •							
Bromoform/ppb	• •							
sert-Butylbenzene/pph	* *							
sec-Butylbenzene/pp	• •							
n-Butylbenzene/ppb								
Carbon Tetrachloridel/ppb								
Chlorobenzene/ppb								
Chlorothanelppb								
Chloroform/ppb	• •							
Chloromethanelppb	• •							
2-Chlorotoluene/ppb         <0.21	• •							
4-Chilorotoluene/ppb         0.21         0.21         0.21         0.21         0.21         0.21         0.21         0.22         0.22         0.22         0.22         0.22         0.22         0.22         0.22         1.1         ==         ==         1.4-Dichlorobenzene/ppb         0.3         0.3         0.3         0.15         ==         ==         1.4-Dichlorobenzene/ppb         0.28         0.28         0.28         0.28         1.4         ==         ==         1.4-Dichlorobenzene/ppb         0.26         0.28         0.28         0.28         1.4         ==         ==         1.2-Dichlorobenzene/ppb         0.36         0.36         0.36         0.36         0.36         0.36         0.36         0.36         148         ==         ==         Dichlorobenzene/ppb         0.34         0.05         0.05         1.1-Dichlorobenzene/ppb         0.03         0.03         0.03         0.03         0.03         0.03         0.03         0.03	• •							
1,2-Dibromo-3-chloropropane/ppb	• •							
Dibromochloromethane/ppb	• •							
1,4-Dichlorobenzene/pp								
1,3-Dichlorobenzene/ppb								
1,2-Dichlorodenzene/ppb								
Dichlorodifluoromethane/ppb	· · · · · · · · · · · · · · · · · · ·							
12-Dichloroethane/ppb	· · · · · · · · · · · · · · · · · · ·							
1,1-Dichloroethane/ppb	• •							
1,1-Dichloroethene/ppb	• •							
cis-1,2-Dichloroethene/ppb         <0.38         <0.38         <0.35         <0.35         <0.35         <0.35         <17.5         ==         ==         14         12-Dichloropropane/ppb         <0.32         <0.32         <0.32         <0.32         <0.32         <0.40         ==         ==         ==         2-Dichloropropane/ppb         <0.36         <0.36         <0.33         <0.33         <0.33         <0.33         <0.33         <0.33         <0.33         <0.65         ==	• •			•				
trans-1,2-Dichloroethene/ppb         <0.35	• • • • • • • • • • • • • • • • • • • •							
1,2-Dichloropropane/ppb	• • • • • • • • • • • • • • • • • • • •							
2,2-Dichloropropane/ppb         <0.36         <0.36         <0.36         <18         ==         ==           1,3-Dichloropropane/ppb         <0.33         <0.33         <0.33         <16.5         ==         ==           Di-isopropyle their/ppb         <0.23         <0.23         <0.23         <0.23         <0.23         <0.23         <0.23         <0.23         <0.23         <0.23         <0.23         <0.23         <0.23         <0.23         <0.23         <0.23         <0.23         <0.23         <0.23         <0.03         <0.03         <0.03         <0.03         <0.03         <0.03         <0.03         <0.03         <0.03         <0.03         <0.03         <0.03         <0.03         <0.03         <0.03         <0.03         <0.03         <0.03         <0.03         <0.03         <0.03         <0.03         <0.03         <0.03         <0.03         <0.03         <0.03         <0.03         <0.03         <0.03         <0.03         <0.03         <0.03         <0.03         <0.03         <0.03         <0.03         <0.03         <0.03         <0.03         <0.03         <0.03         <0.03         <0.03         <0.03         <0.03         <0.03         <0.03         <0.03         <0.03         <0.03	* *							
1,3-Dichloropropane/ppb								
Di-isopropyl ether/ppb   <0.23   <0.23   <0.23   <0.23   <11.5   ==	2,2-Dichloropropane/ppb			< 0.36	<18	==	==	
EDB (1,2-Dibromoethane)/ppb	1,3-Dichloropropane/ppb			<0.33		==	==	
Ethylbenzene/ppb	Di-isopropyl ether/ppb			<0.23				
Hexachlorobutadiene/ppb	EDB (1,2-Dibromoethane)/ppb		<0.44	<0.44		0.05	0.005	
Isopropylbenzene/ppb	Ethylbenzene/ppb			<0.55				
P-Isopropyltoluene/ppb   <0.31	Hexachlorobutadiene/ppb							
Methylene chloride/ppb         <0.5	Isopropylbenzene/ppb			< 0.3	88	==	==	
Methyl tert-butyl ether (MTBE)/ppb         <0.23	p-lsopropyltoluene/ppb	< 0.31	<0.31	< 0.31	<15.5	==	==	
Naphthalene/ppb	Methylene chloride/ppb	<0.5	<0.5	< 0.5	<25	==	==	
n-Propylbenzene/ppb         1.42         <0.25         <0.25         275         ==         ==           1,1,2,2-Tetrachloroethane/ppb         <0.45         <0.45         <0.45         <22.5         ==         ==           1,1,1,2-Tetrachloroethane/ppb         <0.33         <0.33         <0.33         <16.5         ==         ==           Tetrachloroethene (PCE)/ppb         <0.33         <0.33         <0.33         <16.5         5         0.5           Toluene/ppb         <0.98         <0.98         <0.98         <49         ==         ==           1,2,4-Trichlorobenzene/ppb         <0.98         <0.98         <49         ==         ==           1,2,3-Trichloroethane/ppb         <1.8         <1.8         <1.8         <90         ==         ==           1,1,1-Trichloroethane/ppb         <0.33         <0.33         <0.33         <16.5         ==         ==           1,1,2-Trichloroethane/ppb         <0.34         <0.34         <0.34         <17         ==         ==           1,2,4-Trimethylbenzene/ppb         <0.71         <0.71         <0.71         <35.5         ==         ==           1,3,5-Trimethylbenzene/ppb         <0.18         <0.18         <0.18         <0.18	Methyl tert-butyl ether (MTBE)/ppb	< 0.23	<0.23	< 0.23		60	12	
1,1,2,2-Tetrachloroethane/ppb       <0.45       <0.45       <0.45       <22.5       ==       ==         1,1,1,2-Tetrachloroethane/ppb       <0.33       <0.33       <0.33       <16.5       ==       ==         Tetrachloroethane (PCE)/ppb       <0.33       <0.33       <0.33       <16.5       5       <0.5         Toluene/ppb       <0.98       <0.69       <0.69       2760       800       160         1,2,4-Trichlorobenzene/ppb       <0.98       <0.98       <0.98       <49       ==       ==         1,2,3-Trichloroethane/ppb       <1.8       <1.8       <1.8       <90       ==       ==         1,1,1-Trichloroethane/ppb       <0.33       <0.33       <0.33       <16.5       ==       ==         1,1,2-Trichloroethane/ppb       <0.34       <0.34       <0.34       <17       ==       ==         1,1,2-Trichloroethane/ppb       <0.33       <0.33       <0.33       <16.5       ==       ==         1,2,4-Trimethylbenzene/ppb       <0.71       <0.71       <0.71       <35.5       ==       ==         1,3,5-Trimethylbenzene/ppb       <0.18       <0.18       <0.18       <0.18       <0.18       <0.9       ==       ==         m&	Naphthalene/ppb	<1.7		<1.7		100	10	
1,1,1,2-Tetrachloroethane/ppb       <0.33       <0.33       <0.33       <16.5       ==       ==         Tetrachloroethene (PCE)/ppb       <0.33       <0.33       <0.33       <16.5       5       0.5         Toluene/ppb       <0.69       <0.69       <0.69       2760       800       160         1,2,4-Trichlorobenzene/ppb       <0.98       <0.98       <0.98       <49       ==       ==         1,2,3-Trichloroethane/ppb       <1.8       <1.8       <90       ==       ==         1,1,1-Trichloroethane/ppb       <0.33       <0.33       <0.33       <16.5       ==       ==         1,1,2-Trichloroethane/ppb       <0.34       <0.34       <0.34       <17       ==       ==         1,1,2-Trichloroethane/ppb       <0.33       <0.33       <0.33       <16.5       ==       ==         1,1,2-Trichloroethane/ppb       <0.33       <0.33       <0.33       <16.5       ==       ==         Trichlorofluoromethane/ppb       <0.71       <0.71       <0.71       <35.5       ==       ==         1,2,4-Trimethylbenzene/ppb       8.7       <2.2       <2.2       1750         1,3,5-Trimethylbenzene/ppb       <0.18       <0.18       <0.18       <0.1	n-Propylbenzene/ppb	1.42	<0.25	<0.25	275	==	==	
Tetrachloroethene (PCE)/ppb   <0.33   <0.33   <0.33   <16.5   5   0.5	1,1,2,2-Tetrachloroethane/ppb	< 0.45	<0.45	<0.45	<22.5	==	==	
Toluene/ppb         5.1         <0.69	1,1,1,2-Tetrachloroethane/ppb	< 0.33	<0.33	< 0.33	<16.5	=	=	
1,2,4-Trichlorobenzene/ppb       <0.98       <0.98       <49       ==       ==         1,2,3-Trichlorobenzene/ppb       <1.8       <1.8       <90       ==       ==         1,1,1-Trichloroethane/ppb       <0.33       <0.33       <0.33       <16.5       ==       ==         1,1,2-Trichloroethane/ppb       <0.34       <0.34       <0.34       <17       ==       ==         Trichloroethane/ppb       <0.33       <0.33       <0.33       <16.5       5       <0.5         Trichlorofluoromethane/ppb       <0.71       <0.71       <0.71       <35.5       ==       ==         1,2,4-Trimethylbenzene/ppb       8.7       <0.22       <0.22       1750	Tetrachloroethene (PCE)/ppb	< 0.33	< 0.33	< 0.33	<16.5	5	0.5	
1,2,3-Trichlorobenzene/ppb       <1.8       <1.8       <90       ==       ==         1,1,1-Trichloroethane/ppb       <0.33       <0.33       <16.5       ==       ==         1,1,2-Trichloroethane/ppb       <0.34       <0.34       <0.34       <17       ==       ==         Trichloroethene (TCE)/ppb       <0.33       <0.33       <0.33       <16.5       5       0.5         Trichlorofluoromethane/ppb       <0.71       <0.71       <0.71       <35.5       ==       ==         1,2,4-Trimethylbenzene/ppb       8.7       <2.2       <2.2       1750	Toluene/ppb		<0.69	< 0.69	2760		160	
1,1,1-Trichloroethane/ppb       <0.33       <0.33       <0.33       <16.5       ==       ==         1,1,2-Trichloroethane/ppb       <0.34       <0.34       <0.34       <17       ==       ==         Trichloroethene (TCE)/ppb       <0.33       <0.33       <0.33       <16.5       5       0.5         Trichlorofluoromethane/ppb       <0.71       <0.71       <0.71       <35.5       ==       ==         1,2,4-Trimethylbenzene/ppb       8.7       <2.2       <2.2       1750	1,2,4-Trichlorobenzene/ppb	<0.98	<0.98	<0.98	<49	==	==	
1,1,2-Trichloroethane/ppb       <0.34       <0.34       <0.34       <17       ==       ==         Trichloroethene (TCE)/ppb       <0.33       <0.33       <0.33       <16.5       5       0.5         Trichlorofluoromethane/ppb       <0.71       <0.71       <35.5       ==       ==         1,2,4-Trimethylbenzene/ppb       8.7       <2.2       <2.2       1750       Total TMB's 480       Total TMB's 96         Vinyl Chloride/ppb       <0.18       <0.18       <0.18       <9       ==       ==         m&p-Xylene/ppb       9.7       <0.69       <0.69       4200        ==       ==								
Trichloroethene (TCE)/ppb         <0.33	1,1,1-Trichloroethane/ppb			< 0.33	<16.5	==		
Trichlorofluoromethane/ppb         <0.71	1,1,2-Trichloroethane/ppb	< 0.34	< 0.34	< 0.34	<17	==	==	
1,2,4-Trimethylbenzene/ppb     8.7     <2.2     <2.2     1750       1,3,5-Trimethylbenzene/ppb     1.85     <1.4     <1.4     450     Total TMB's 480     Total TMB's 96       Vinyl Chloride/ppb     <0.18     <0.18     <0.18     <9     ==     ==       m&p-Xylene/ppb     9.7     <0.69     <0.69     4200	Trichloroethene (TCE)/ppb	< 0.33	<0.33	< 0.33	<16.5	5	0.5	
1,3,5-Trimethylbenzene/ppb     1.85     <1.4	Trichlorofluoromethane/ppb	< 0.71	<0.71	<0.71	<35.5	==	==	
Vinyl Chloride/ppb     <0.18     <0.18     <0.18     <9     ==     ==       m&p-Xylene/ppb     9.7     <0.69     <0.69     4200	1,2,4-Trimethylbenzene/ppb	8.7	<2.2	<2.2	1750			
m&p-Xylene/ppb 9.7 <0.69 <0.69 4200	1,3,5-Trimethylbenzene/ppb	1.85	<1.4	<1.4	450	Total TMB's 480	Total TMB's 96	
	Vinyl Chloride/ppb	<0.18	<0.18	<0.18	<9	==	==	
o-Xvlene/ppb 8.2 < 0.63 < 0.63 1520 Total Xylenes 2000 Total Xylenes 400	m&p-Xylene/ppb	9.7	<0.69	<0.69	4200			
	o-Xylene/ppb	8.2	< 0.63	< 0.63	1520	Total Xylenes 2000	Total Xylenes 400	

Q = Analyte detected above laboratory method detection limit but below practical quantitation limit.

<sup>= =</sup> No Exceedences

<sup>(</sup>ppb) = parts per billion

A.2. Soil Analytical Results Table
DX Service Station BRRTS# 03-42-556192

																DIREC	CT CONTAC	T PVOC
Sample	Saturation	Date	Depth	PID	Lead	GRO		Ethyl		Naph-		1,2,4-Trime-	1,3,5-Trime-	Xylene	Other VOC's			Cumulative
ID	U/S	]	(feet)		(ppm)	(ppm)	Benzene	Benzene	MTBE	thalene	Toluene	thylbenzene	thylbenzene	(Total)	(ppm)	Exeedance	Hazard	Cancer
			` ,		,	``` ′	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)	, ,	Count	Index	Risk
G-1-1	U	03/18/13	3.5	0		• · · · · · · · · · · · · · · · · · · ·	1	Mark /	NO	T SAMPLED					NS			
G-1-2	S	03/18/13	8	0		NOT SAMPLED						NS						
G-1-3	S	03/18/13	12	0					NO	T SAMPLED					NS			
G-2-1	U	03/18/13	3.5	0		NOT SAMPLED						NS						
G-2-2	S	03/18/13	8	0		NOT SAMPLED						NS						
G-2-3	S	03/18/13	12	0		NOT SAMPLED					NS							
G-3-1	U	03/18/13	3.5	180	10.8	57	0.28	1.73	<0.025	0.070	0.560	3.12	1.54	. 5.72	NS	0	7.36E-02	4.3E-07
G-3-2	S	03/18/13	8	300	NS	78	0.167	1.28	<0.025	1.6	0.240	8	3.07	3.71	ŃS			
G-3-3	S	03/18/13	12	40	NS	<10	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.075	NS			
G-4-1	U	03/18/13	3.5	150	13.2	177	1.49	7.7	<0.250	3.6	6.7	14.4	5.3	38.1	NS	<u>2</u>	2.79E-01	2.7E-06
G-4-2	S	03/18/13	8	450	NS	3500	8.4	97	<1.250	42	81	224*	85	457*	NS			
G-4-3	S	03/18/13	12	50	NS	<10	<0.025	<0.025	< 0.025	<0.025	<0.025	< 0.025	<0.025	< 0.075	NS			
G-5-1	U	03/18/13	3.5	0	10.9	81	0.360	2.41	<0.025	0.390	0.126	7.2	2.67	8.834	NS	0	2.55E-01	6.5E-07
G-5-2	S	03/18/13	8	400	NS	490	1.58	22.9	<0.250	13.6	0.650	47	16.3	84.36	NS			
G-5-3	S	03/18/13	12	90	NS	<10	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.075	NS			
G-6-1	U	03/18/13	3.5	0	10.9	18	0.033	0.044	< 0.025	0.202	<0.025	0.247	0.124	0.225	NS	0	1.60E-01	7.2E-08
G-6-2	S	03/18/13	8	0	NS	<10	0.146	0.039	<0.025	0.032	<0.025	0.192	0.054	0.309	NS			
G-6-3	S	03/18/13	12	10	NS	<10	0.0315	0.0297	<0.025	<0.025	0.037	0.106	0.053	0.204	NS			
G-7-1	U	03/18/13	3.5	20	16.5	<10	<0.025	<0.025	<0.025	<0.025	0.0256	0.080	0.043	0.098	NS	0	4.23E-02	
G-7-2	S	03/18/13	8	140	NS	26	0.244	0.197	<0.025	0.330	0.196	3.4	1.14	4.25	NS			
G-7-3	S	03/18/13	12	120	NS	26	0.590	2.52	<0.025	0.151	0.0263	197	0.580	8.816	NS			
G-8-1	U	03/18/13	3.5	200	9.05	126	1.46	4.6	<0.025	0.167	6.3	7.4	2.79	19.9	NS	0	1.47E-01	1.6E-06
G-8-2	S	03/18/13	8	420	NS	540	6.1	23	<0.250	12.5	49	40	13.2	112.1	NS			
															SEE VOC			
G-8-3	s	03/18/13	10	800	15.5	3200	7.8	95	<1.500	18.9	168	192	54	468*	SPREADSHEET			
G-9-1	ŭ	03/18/13	3.5	20	NS	<10	<0.025	<0.025	<0.025	<0.025	0.0305	<0.025	<0.025	<0.075	NS		-	
G-9-2	S	03/18/13	8	0	NS	<10	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	< 0.075	NS			
G-9-3	S	03/18/13	12	0						SAMPLED					NS			
G-10-1	Ū	03/18/13	3.5	0	2.33	<10	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.075	NS	0	5.83E-03	
G-10-2	s	03/18/13	8	460	NS	850	1.84	21.3	<0.0250	9.1	9.1	51	19.4	93.3	NS			
G-10-3	S	03/18/13	12	100	NS	125	0.320	5.1	<0.0250	1.66	7.5	8.5	3.2	23.4	NS			
G-11-1		03/18/13	3.5	0						SAMPLED	· · · · · · · · · · · · · · · · · · ·		······		NS			
G-11-2	S	03/18/13	8	0			····			SAMPLED					NS			
G-11-3		03/18/13	12	0						SAMPLED	J				NS			
													I		NS			
Groundwat	er RCL				27	-	0.00512	1.57	0.027	0.659	1.11	1.3	38	3.94	_			
Non-Indust	rial Direct C	ontact RC	L		400	-	1.49	7.47	59.4	5.15	818	89.8	182	258	-		1.00E+00	1.00E-05
Soil Saturat							1820*	480*	8870*		818*	219*	182*	258*	-			
Dold - C											<u> </u>							

Bold = Groundwater RCL Exceedance

Bold & Underline = Non Industrial Direct Contact RCL Exceedance

Bold & Asteric \* = C-sat Exceedance

NS = Not Sampled

(ppm) = parts per million GRO = Gasoline Range Organics

PID = Photoionization Detector

PVOC's = Petroleum Volatile Organic Compounds

A.2. Soil Analytical Results Table DX Service Station BRRTS# 03-42-556192

Sampling Conducted on March 18, 2013

VOC's		Bold = Groundwater RCL	Underline & Bold = Direct Contact RCL	Asteric * & Bold =Soil Saturation (C-sat) RCL
			<u> </u>	(0 000) 1102
Sample ID#	G-8-3			
Sample Depth/ft.	10			
Benzene/ppm	7.8	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	4.1	= =	145	145
n-Butylbenzene/ppm	18.7	==	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	<b>=</b>	= =	= =
4-Chlorotoluene/ppm	<0.700	==	==	<b>TE TE</b>
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 cis-1,2-Dichloroethene/ppm	<1.050 <1.200	0.00502 0.0412	342	= =
trans-1,2-Dichloroethene/ppm	<1.450	0.0412	156 211	==
1,2-Dichloropropane/ppm	<0.475	0.00332	1.33	==
2,2-Dichloropropane/ppm	<2.300	0.00552	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	95	1.57	7.47	480
Hexachlorobutadiene/ppm	<4.750	= =	6.23	==
Isopropylbenzene/ppm	9.7	= =	==	==
p-lsopropyltoluene/ppm	2.64	==	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	18.9	0.659	5.15	= =
n-Propylbenzene/ppm	36	= =	= =	= =
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	168	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	192	1.38	89.8	219
1,3,5-Trimethylbenzene/ppm	<b>54</b>		182	182
Vinyl Chloride/ppm	<1.050	0.000138	0.07	· ==
m&p-Xylene/ppm o-Xylene/ppm	340 128	3.94	258	258
o-Aylene/ppiii	140			

(ppm) = parts per billion = = No Exceedences

#### A.6 Water Level Elevations DX Service Station BRRTS# 03-42-556192

	MW-11	MW-12	MW-13	MW-14	MW-1R (TR)	MW-2 (TR)	MW-4 (TR)	MW-5 (TR)	MW-7 (TR)
Ground Surface (feet msl)	1017.01	1016.64	1016.50	1016.61	1016.37	1015.03	1015.47	1016.49	1013.52
PVC top (feet msl)	1017.61	1016.04	1016.30	1016.30	1015.73	1013.03	1013.47	1016.49	1013.32
Well Depth (feet)	14.00	14.00	14.00	14.00	13.00	13.00	13.00	13.00	13.00
Top of screen (feet msl)	1013.01	1012.64	1012.50	1012.61	1013.37	1012.03	1012.47	1013.49	1010.52
Bottom of screen (feet msl)	1003.01	1002.64	1002.50	1002.61	1013.37	1002.03	1012.47	1013.49	1010.52
Depth to Water From Top of PV	C (feet)								
05/23/13	5.34	3.96	4.43	4.90	5.59	4.82	4.95	4.69	3.12
08/26/13	7.20	5.42	7.05	6.99	7.11	7.04	6.59	7.71	5.04
02/17/14	7.70	5.72	7.68	7.59	7.62	NM	7.17	8.29	NM
05/21/14	6.71	5.10	6.34	6.46	6.38	NM	6.00	6.85	NM
08/10/15	7.18	5.41	7.04	6.99	Α	A	6.60	A	A
11/12/15	7.06	5.28	6.89	6.82	A	A	6.46	A	A
Depth to Water From Ground St	urface (feet)								
05/23/13	5.75	4.41	4.74	5.21	6.23	5.17	5.53	5.04	3.73
08/26/13	7.61	5.87	7.36	7.30	7.75	7.39	7.17	8.06	5.65
02/17/14	8.11	6.17	7.99	7.90	8.26	NM	7.75	8.64	NM
05/21/14	7.12	5.55	6.65	6.77	7.02	NM	6.58	7.20	NM
08/10/15	7.59	5.86	7.35	7.30	Α	Α	7.18	Α	Α
11/12/15	7.47	5.73	7.20	7.13	Α	Α	7.04	Α	Α
Groundwater Elevation (feet ms	1)								
05/23/13	1011.26	1012.23	1011.76	1011.40	1010.14	1009.86	1009.94	1011.45	1009.79
08/26/13	1009.40	1010.77	1009.14	1009.31	1008.62	1007.64	1008.30	1008.43	1007.87
02/17/14	1008.90	1010.47	1008.51	1008.71	1008.11	NM	1007.72	1007.85	NM
05/21/14	1009.89	1011.09	1009.85	1009.84	1009.35	NM	1008.89	1009.29	NM
08/10/15	1009.42	1010.78	1009.15	1009.31	Α	Α,	1008.29	Α	Α
11/12/15	1009.54	1010.91	1009.30	1009.48	Α	Α	1008.43	Α	Α

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

NI = Not installed

CNL = Could Not Locate

TR = (Town of Ridgeville)

A = Abandoned

#### A.7 Other

**Groundwater NA Indicator Results** 

DX Service Station BRRTS# 03-42-556192

#### Well MW-11

	Dissolved					Nitrate +	Total	Dissolved	Man-
Date	Oxygen	pН	ORP	Temp	Specific	Nitrite	Sulfate	Iron	ganese
	(ppm)	<u> </u>		( C)	Conductance	(ppm)	(ppm)	(ppm)	(ppb)
05/23/13	0.15	7.15	246	9.1	498	0.83	16.1	< 0.06	979
08/26/13	0.16	7.01	19	17.8	612	NS	NS	NS	NS
02/17/14	2.64	6.30	216	3.7	374	NS	NS	NS	NS
05/21/14	0.67	7.12	83	6.8	NS	NS	NS	NS	NS
08/10/15	3.14	6.64	-1	20.4	1047	NS	NS	NS	NS
11/12/15	2.99	6.97	51	12.8	701	NS	NS	NS	NS
NFORCE MEN	T STANDARD =	ES – Bold		l		10	-	-	300
REVENTIVE A	CTION LIMIT = F	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-12

	Dissolved					Nitrate +	Total	Dissolved	Man-
Date	Oxygen	pН	ORP	Temp	Specific	Nitrite	Sulfate	Iron	ganese
	(ppm)			(C)	Conductance	(ppm)	(ppm)	(ppm)	(ppb)
05/23/13	0.96	6.65	257	9.9	487	0.75	15	<0.06	2040
08/26/13	5.23	6.66	-39	18.2	485	NS	NS	NS	NS
02/17/14	1.76	6.97	156	1.3	246	NS	NS	NS	NS
05/21/14	0.82	7.07	42	6.9	NS	NS	NS	NS	NS
08/10/15	4.72	7.04	110	20.0	731	NS	NS	NS	NS
11/12/15	4.53	7.03	211	12.9	812	NS	NS	NS	NS
ENFORCE MEN	T STANDARD =	ES - Bold		<u> </u>		10		-	300
PREVENTIVE AC	CTION LIMIT = F	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-13

Dissolved					Nitrate +	Total	Dissolved	Man-
Oxygen	pН	ORP	Temp	Specific	Nitrite	Sulfate	Iron	ganese
(ppm)			( C)	Conductance	(ppm)	(ppm)	(ppm)	(ppb)
0.21	6.24	237	10.4	878	20.5	40.1	<0.06	1430
0.39	6.76	7	17.5	989	NS	NS	NS	NS
1.68	6.59	152	5.8	623	NS	NS	NS	NS
1.14	7.01	-8	7.2	NS	NS	NS	NS	NS
3.57	6.85	74	20.2	849	NS	NS	NS	NS
4.68	7.18	189	12.8	674	NS	NS	NS	NS
STANDARD =	ES – Bold			L	10	-	-	300
TION LIMIT = P	PAL - Italics			2		-	60	
	Oxygen (ppm) 0.21 0.39 1.68 1.14 3.57 4.68	Oxygen (ppm)         pH (21           0.21         6.24           0.39         6.76           1.68         6.59           1.14         7.01           3.57         6.85	Oxygen (ppm)         pH         ORP           0.21         6.24         237           0.39         6.76         7           1.68         6.59         152           1.14         7.01         -8           3.57         6.85         74           4.68         7.18         189           STANDARD = ES - Bold	Oxygen (ppm)         pH (ppm)         ORP (C)         Temp (C)           0.21         6.24         237         10.4           0.39         6.76         7         17.5           1.68         6.59         152         5.8           1.14         7.01         -8         7.2           3.57         6.85         74         20.2           4.68         7.18         189         12.8           STANDARD = ES - Bold	Oxygen (ppm)         pH         ORP (C)         Temp (C)         Specific Conductance           0.21         6.24         237         10.4         878           0.39         6.76         7         17.5         989           1.68         6.59         152         5.8         623           1.14         7.01         -8         7.2         NS           3.57         6.85         74         20.2         849           4.68         7.18         189         12.8         674           STANDARD = ES - Bold	Oxygen (ppm)         pH         ORP         Temp (C)         Specific Conductance (ppm)         Nitrite (ppm)           0.21         6.24         237         10.4         878         20.5           0.39         6.76         7         17.5         989         NS           1.68         6.59         152         5.8         623         NS           1.14         7.01         -8         7.2         NS         NS           3.57         6.85         74         20.2         849         NS           4.68         7.18         189         12.8         674         NS           STANDARD = ES - Bold	Oxygen (ppm)         pH         ORP         Temp (C)         Specific Conductance         Nitrite (ppm)         Sulfate (ppm)           0.21         6.24         237         10.4         878         20.5         40.1           0.39         6.76         7         17.5         989         NS         NS           1.68         6.59         152         5.8         623         NS         NS           1.14         7.01         -8         7.2         NS         NS         NS           3.57         6.85         74         20.2         849         NS         NS           4.68         7.18         189         12.8         674         NS         NS           STANDARD = ES - Bold         10         -	Oxygen (ppm)         pH         ORP (C)         Temp (C)         Specific Conductance (ppm)         Nitrite (ppm) (ppm)         Sulfate (ppm) (ppm)         Iron (ppm) (ppm)           0.21         6.24         237         10.4         878         20.5         40.1         <0.06

(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-14

	Dissolved					Nitrate +	Total	Dissolved	Man-
Date	Oxygen	pН	ORP	Temp	Specific	Nitrite	Sulfate	Iron	ganese
	(ppm)			(C)	Conductance	(ppm)	(ppm)	(ppm)	(ppb)
05/23/13	0.17	7.19	17	11.8 .	517	0.27	6.97	2.34	496
08/26/13	0.10	6.98	-123	20.2	611	NS	NS	NS	NS
02/17/14	0.88	6.74	-44	6.9	741	NS -	NS	NS	NS
05/21/14	0.53	6.84	-102	6.5	NS	NS	NS	NS	NS
08/10/15	1.93	6.97	-210	20.3	1384	NS	NS	NS	NS
11/12/15	1.71	7.22	-88	12.9	610	NS	NS	NS	NS
ENFORCE MEN	T STANDARD =	ES – Bold		<u> </u>		10	-	-	300
PREVENTIVE A	CTION LIMIT = F	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 Flow Velocity Calculations DX Service Station

<del>-1111 = 11</del>	om or magorino	1		
	ft/s	ft/year	cm/s	m/yr
K	1.10E-05	3.47E+02	3.35E-04	105.73
	sq ft/s	sq cm/s		
Ţ	7.58E-05	7.04E-02		

MW-6	(Town	of Rid	geville	)

K	<b>ft/s</b>	<b>ft/year</b>	<b>cm/s</b>	<b>m/yr</b>
	3.66E-05	1.15E+03	1.12E-03	351.81
Т	<b>sq ft/s</b> 2.82E-04	<b>sq cm/s</b> 2.62E-01		

Date	Elv. (High)	Elv. (Low)	Distance (ft)	Hyd Grad (I)
05/23/13	1012.00	1010.00	210	9.52E-03
08/26/13	1010.50	1008.00	232	1.08E-02
02/17/14	1010.00	1008.00	163	1.23E-02
05/21/14	1011.00	1009.50	155	9.68E-03
08/10/15	1010.50	1009.00	104	1.44E-02
11/12/15	1010.50	1009.00	105	1.43E-02
			Average	1.18E-02

		Average		Flow Velocity
	K (m/yr)	Hyd Grad (I)	Porosity (n)	(m/yr)
MW-2 (Towi	105.73	1.18E-02	0.3	4.1680
MW-6 (Towi	351.81	1.18E-02	0.3	13.8681
			Average	9.0181

**8.0 SITE PHOTOGRAPHS** 



Photo 1: Looking northwest at service station building and asphalt lot.



Photo 2: Looking north at asphalt cap to maintained (area of fmr UST systems).



Photo 3: Looking south at asphalt cap to maintained (area of fmr UST systems).

### **APPENDIX A/ METHODS OF INVESTIGATION**

#### **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

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 65-105 gallons of groundwater was then removed with a

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 December 30, 2014, DKS Transport Services, LLC, of Menomonie, Wisconsin picked-up and disposed of one drum of soil cuttings and one drum of purge water to the Advanced Disposal Seven Mile Creek Landfill in Eau Claire, Wisconsin.

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

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

MARCELLA DAMASCHKE MARCELLA DAMASCHKE 1210 ROBIN HOOD WATERFORD, WI 53185

Report Date 01-Apr-13

Project Name   Project #	OX SERVIC	E STATION	Invoice # E24925								
Lab Code Sample ID Sample Matrix Sample Date	5024925A MEOH BL Soil 3/18/2013	ANK									
Dampie Bate	5/10/2015	Result	Unit	LOD LO	00 D	il	Method	Ext Date	Run Date	Analyst	Code
Organic			•		- 🕻 –					- 11211-3	
GRO/PVOC +	Nachthalen	e									
Gasoline Range Org Benzene Ethylbenzene Methyl tert-butyl et Naphthalene Toluene 1,2,4-Trimethylbens m&p-Xylene o-Xylene	zanics her (MTBE) zene	<10 <25 <25 <25 <25 <25 <25 <25 <25 <25 <25	mg/kg ug/kg ug/kg ug/kg ug/kg ug/kg ug/kg ug/kg ug/kg	2.3 7.9 7.7 8.1 22 8.4 10 9.3 16	7.3 25 25 26 70 27 33 30 50	1 1 1 1 1 1 1 1	GRO95/8021 GRO95/8021 GRO95/8021 GRO95/8021 GRO95/8021 GRO95/8021 GRO95/8021 GRO95/8021 GRO95/8021 GRO95/8021		3/25/2013 3/25/2013 3/25/2013 3/25/2013 3/25/2013 3/25/2013 3/25/2013 3/25/2013 3/25/2013	CIR CIR CIR CIR CIR CIR CIR CIR CIR CIR	1 1 1 2 1 1 1
Lab Code Sample ID Sample Matrix Sample Date	5024925B G-3-1 Soil 3/18/2013	Result	Unit	LOD LO	о п	il	Method	Ext Date	Run Date	Analyst	Code
General		Account	Cint		JQ D	••	Method	Lat Dute	Itun Dute	zxnazjst	Cour
General Solids Percent Inorganic		77.0	%			1	5021		3/20/2013	MDK	1
Metals Lead, Total Organic		10.8	mg/Kg	0.6	1.92	2	6010B		3/21/2013	CWT	l 49
GRO/PVOC + Gasoline Range Org Benzene Ethylbenzene Methyl tert-butyl eth Naphthalene	anies	57 280 1730 <25	mg/kg ug/kg ug/kg ug/kg ug/kg	2.3 7.9 7.7 8.1 22	7.3 25 25 26 70	1 1 1 1	GRO95/8021 GRO95/8021 GRO95/8021 GRO95/8021 GRO95/8021		3/27/2013 3/27/2013 3/27/2013 3/27/2013 3/27/2013	CJR CJR CJR CJR CJR	1 1 1 1

WI DNR Lab Certification # 445037560

Page I of 14

Project Name Project #	DX SERVIC	E STATION	Invoice # E24925								
Lab Code Sample ID Sample Matrix Sample Date	5024925B G-3-1 Soil 3/18/2013	Result	Unit	LOD )	LOQ D	il	Method	Ext Date	Run Date	Analyst	Code
Toluene 1,2,4-Trimethylber 1,3,5-Trimethylber m&p-Xylene o-Xylene		560 3120 1540 4800 920	ug/kg ug/kg ug/kg ug/kg ug/kg	8.4 10 9.3 16 10	27 33 30 50 32	1 1 1 1 1	GRO95/8021 GRO95/8021 GRO95/8021 GRO95/8021 GRO95/8021	Ext Duto	3/27/2013 3/27/2013 3/27/2013 3/27/2013 3/27/2013	CJR CJR CJR CJR CJR CJR	1 1 1 1
Lab Code Sample ID Sample Matrix Sample Date	5024925C G-3-2 Soil 3/18/2013	n k	<b>T</b> 794	LOD 1	. 00 P	••	Notatho d	Evet Data	Dun Data	Analyat	Code
C 1		Result	Unit	LOD	LOQ D	п	Method	Ext Date	Run Date	Analyst	Code
General General Solids Percent		79.9	%			1	5021		3/20/2013	MDK	1
Organic	NT1-411										
GRO/PVOC + Gasoline Range Or	_	<del>?</del> 78	mg/kg	2.3	7.3	1	GRO95/8021		3/27/2013	CJR	1
Benzene	ganics	167	ug/kg	7.9	25	1	GRO95/8021		3/27/2013	CJR	1
Ethylbenzene		1280	ug/kg	7.7	25	1	GRO95/8021		3/27/2013	CJR	1
Methyl tert-butyl e	ther (MTBE)	< 25	ug/kg	8.1	26 70	1	GRO95/8021		3/27/2013 3/27/2013	CJR CJR	1 1
Naphthalene		1600 240	ug/kg ug/kg	22 8.4	70 27	ľ	GRO95/8021 GRO95/8021		3/27/2013	CJR	1
Toluene 1,2,4-Trimethylber	izene	8000	ug/kg ug/kg	10	33	ì	GRO95/8021		3/27/2013	CJR	1
1,3,5-Trimethylber		3070	ug/kg	9.3	30	I	GRO95/8021		3/27/2013	CJR	1
m&p-Xylene		2940	ug/kg	16	50	1	GRO95/8021		3/27/2013	CJR	1
o-Xylene		770	ug/kg	10	32	I	GRO95/8021		3/27/2013	CJR	1
Lab Code	5024925D										
Sample ID	G-3-3										
Sample Matrix	Soil										
Sample Date	3/18/2013										~ .
		Result	Unit	LOD 1	LOQ D	il	Method	Ext Date	Run Date	Analyst	Code
General											
General									0.000.000	L (D)	,
Solids Percent		86.9	%			1	5021		3/20/2013	MDK	1
Organic											
GRO/PVOC +	-			0.0	<b>5</b> 2	4	GB-005/0001	-	1/20/2012	CID	
Gasoline Range Or	ganics	< 10 < 25	mg/kg ug/kg	2.3 7.9	7.3 25	1	GRO95/8021 GRO95/8021		3/29/2013 3/29/2013	CJR CJR	1 1
Benzene Ethylbenzene		< 25 < 25	ug/kg ug/kg	7.9	25 25	1	GRO95/8021 GRO95/8021		3/29/2013	CJR	i
Methyl tert-butyl e	ther (MTBE)	< 25	ug/kg	8.1	26	Î	GRO95/8021		3/29/2013	CJR	1
Naphthalene		< 25	ug/kg	22	70	1	GRO95/8021		3/29/2013	CJR	ţ
Toluene		< 25	ug/kg	8.4	27	l	GRO95/8021		3/29/2013	CJR	1 1
1,2,4-Trimethylben		< 25	ug/kg	10 9.3	33 30	1 1	GRO95/8021 GRO95/8021		3/29/2013 3/29/2013	CJR CJR	1
1,3,5-Trimethylben m&p-Xylene	zene	< 25 < 50	ug/kg ug/kg	9.5	50 50	I	GRO95/8021 GRO95/8021		3/29/2013	CJR	i
o-Xylene		< 25	ug/kg	10	32	1	GRO95/8021		3/29/2013	CJR	i
•											

			٠								
Project Name Project #	DX SERVIC	E STATION	TION Invoice # E24925								
Lab Code	5024925E										
Sample ID	G-4-1										
Sample Matrix	Soil										
Sample Date	3/18/2013										
•		Result	Unit	LOD	LOQ I	Dil	Method	Ext Date	Run Date	Analyst	Code
General											
General											
Solids Percent		75.9	%			I	5021		3/20/2013	MDK	I
Inorganic			,,,			•			3,23,2012		•
Metals											
Lead, Total		13,2	mg/Kg	0.6	5 1.92	2	6010B		3/21/2013	CWT	1 49
Organic			- 6 0								
GRO/PVOC+	Naphthalene	3									
Gasoline Range Org		177	mg/kg	23	3 73	10	GRO95/8021		3/28/2013	CJR	1
Benzene		1490	ug/kg	79	250	10	GRO95/8021		3/28/2013	CJR	I
Ethylbenzene		7700	ug/kg	77		1,0	GRO95/8021		3/28/2013	CJR	1
Methyl tert-butyl et	her (MTBE)	< 250	ug/kg	8			GRO95/8021		3/28/2013	CJR	i
Naphthalene		3600	ug/kg	220			GRO95/8021		3/28/2013	CJR	1
Toluene		6700	ug/kg	84	_,		GRO95/8021		3/28/2013	CJR	1
1,2,4-Trimethylben: 1,3,5-Trimethylben:		14400 5300	ug/kg ug/kg	100 93		10	GRO95/8021 GRO95/8021		3/28/2013 3/28/2013	CJR CJR	1
m&p-Xylene	zene	28600	ug/kg ug/kg	160		10	GRO95/8021		3/28/2013	CJR	1
o-Xylene		9500	ug/kg	100		10			3/28/2013	CJR	i
Lab Code	5024925F										
	G-4-2										
Sample ID											
Sample Matrix											
Sample Date	3/18/2013	**	TT .	D				×			٠.
_		Result	Unit	LOD	LOQ I	)ıl	Method	Ext Date	Run Date	Analyst	Code
General											
General											
Solids Percent		81.2	%			l	5021		3/20/2013	MDK	1
Organic											
GRO/PVOC +											
Gasoline Range Org	anics	3500	mg/kg	115		50	GRO95/8021		3/30/2013	CJR	1
Benzene		8400	ug/kg	395		50	GRO95/8021		3/30/2013	CJR	1
Ethylbenzene Methyl test bytyl eth	ner (MTDE)	97000 < 1250	ug/kg	385 405		50 50	GRO95/8021 GRO95/8021		3/30/2013	CJR CJR	] [
Methyl tert-butyl eth Naphthalene	ier (IALLDE)	42000	ug/kg ug/kg	1100		50	GRO95/8021		3/30/2013 3/30/2013	CJR	1
n i		01000	n El v B	1100	1200	50	GNO75/0041		3/30/2013	CIT	

Ethylbenzene		97000	ug/kg	383	1250	20	GRU95/8021		3/30/2013	CJK	,
Methyl tert-butyl et	her (MTBE)	< 1250	ug/kg	405	1300	50	GRO95/8021		3/30/2013	CJR	I
Naphthalene		42000	ug/kg	1100	3500	50	GRO95/8021		3/30/2013	CJR	1
Toluene		81000	ug/kg	420	1350	50	GRO95/8021		3/30/2013	CJR	1
1,2,4-Trimethylben	zenc	224000	ug/kg	500	1650	50	GRO95/8021		3/30/2013	CJR	I
1,3,5-Trimethylben	zene	85000	ug/kg	465	1500	50	GRO95/8021		3/30/2013	CJR	1
m&p-Xylene		340000	ug/kg	800	2500	50	GRO95/8021		3/30/2013	CJR	i
o-Xylene		117000	ug/kg	500	1600	50	GRO95/8021		3/30/2013	CJR	1
Lab Code	5024925G										
Sample ID	G-4-3										
Sample Matrix											
Nample Watrix	Soil										
Sample Date	3/18/2013										
		Result	Unit	LOD L	OQ D	il	Method	Ext Date	Run Date	Analyst	Code
		Result	Unit	LOD L	OQ D	il	Method	Ext Date	Run Date	Analyst	Code
Sample Date		Result	Unit	LOD L	OQ D	il	Method	Ext Date	Run Date	Analyst	Code
Sample Date General		Result	Unit %	LOD L	OQ D	<b>il</b>	Method 5021	Ext Date	Run Date	<b>Analyst</b> MDK	Code
Sample Date  General  General		·		LOD L	OQ D	<b>il</b>		Ext Date		•	Code
General General Solids Percent	3/18/2013	92.0		LOD L	OQ D	<b>il</b>		Ext Date		•	Code
General General Solids Percent Organic GRO/PVOC +	3/18/2013 Naphthalene	92.0	%	LOD L	OQ D	<b>il</b> 1		Ext Date		•	Code
General General Solids Percent Organic	3/18/2013 Naphthalene	92.0			-	il 1	5021	Ext Date	3/20/2013	MDK	Code  1  1  1  1

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Project Name Project #	DX SERVIC	E STATION					Invoice :	# E249	25		
Lab Code Sample ID Sample Matrix Sample Date	5024925G G-4-3 Soil 3/18/2013										
Ethylbenzene Methyl tert-butyl et Naphthalene Toluene 1,2,4-Trimethylben 1,3,5-Trimethylben m&p-Xylene o-Xylene	zene	Result	Unit  ug/kg ug/kg ug/kg ug/kg ug/kg ug/kg ug/kg ug/kg ug/kg	7.7 8.1 22 8.4 10 9.3 16 10	25 26 70 27 33 30 50	1 1 1 1 1	Method GRO95/8021 GRO95/8021 GRO95/8021 GRO95/8021 GRO95/8021 GRO95/8021 GRO95/8021 GRO95/8021	Ext Date	Run Date 3/29/2013 3/29/2013 3/29/2013 3/29/2013 3/29/2013 3/29/2013 3/29/2013	Analyst CJR	Code  1 1 1 1 1 1 1 1 1
Lab Code Sample ID Sample Matrix Sample Date	5024925H G-5-1 Soil 3/18/2013										
General		Result	Unit	LOD LO	OQ Dil		Method I	Ext Date	Run Date	Analyst	Code
General											
Solids Percent Inorganic Metals		77.8	%		1	1	5021		3/20/2013	MDK	1
Lead, Total Organic GRO/PVOC +	Naphthalene	10.9	mg/Kg	0.6	1.92 2	2	6010B		3/21/2013	CWT	1 49
Gasoline Range Org Benzene Ethylbenzene Methyl tert-butyl et Naphthalene Toluene 1,2,4-Trimethylbenz 1,3,5-Trimethylbenz m&p-Xylene o-Xylene	ganics her (MTBE) zene	81 360 2410 <25 390 126 7200 2670 8600 234	mg/kg ug/kg ug/kg ug/kg ug/kg ug/kg ug/kg ug/kg ug/kg	2.3 7.9 7.7 8.1 22 8.4 10 9.3 16	25 I 26 I 70 I 27 I 33 I	1 1 1 1 1 1 1	GRO95/8021 GRO95/8021 GRO95/8021 GRO95/8021 GRO95/8021 GRO95/8021 GRO95/8021 GRO95/8021 GRO95/8021 GRO95/8021		3/27/2013 3/27/2013 3/27/2013 3/27/2013 3/27/2013 3/27/2013 3/27/2013 3/27/2013 3/27/2013 3/27/2013	CJR	
Lab Code Sample ID Sample Matrix Sample Date	5024925I G-5-2 Soil 3/18/2013										
-	0,10,2012	Result	Unit	LOD LO	Q Dil		Method E	xt Date	Run Date	Analyst	Code
General General Solids Percent Organic		70.6	%		1	!	5021		3/20/2013	MDK	1
GRO/PVOC + Casoline Range Org Benzene Ethylbenzene Methyl tert-butyl eth Naphthalene Toluene 1,2,4-Trimethylbenz 1,3,5-Trimethylbenz m&p-Xylene o-Xylene	anics ner (MTBE) ene	490 1580 22900 < 250 13600 650 47000 16300 82000 2360	mg/kg ug/kg ug/kg ug/kg ug/kg ug/kg ug/kg ug/kg ug/kg	23 79 77 81 220 84 100 93 160	700 10 270 10 330 10	0 0 0 0 0 0 0 0 0 0 0	GRO95/8021 GRO95/8021 GRO95/8021 GRO95/8021 GRO95/8021 GRO95/8021 GRO95/8021 GRO95/8021 GRO95/8021 GRO95/8021 GRO95/8021		3/28/2013 3/28/2013 3/28/2013 3/28/2013 3/28/2013 3/28/2013 3/28/2013 3/28/2013 3/28/2013 3/28/2013	CJR CJR CJR CJR CJR CJR CJR CJR CJR CJR	1 1 1 1 1 1 1 1 1

Project Name	DX SERVICE STATION	Invoice #	E24925
Project #			

Froject#	
Lab Code	5024925J
Sample ID	G-5-3
Sample Matrix	Soil

Sample Matrix											
Sample Date	3/18/2013	Result	Unit	LOD L	00 1	M	Method	Evt Data	Run Date	Analyst	Cod
General		Result	Onn	LOD L	OQ L	711	Method	Ext Date	Kun Dan	напум	Cou
General		0.7.0	a,			,	5001		2/00/0010	) (DI	
Solids Percent		87.0	%			ł	5021		3/20/2013	MDK	1
Organic											
GRO/PVOC ∃											
Gasoline Range O	rganics	< 10	mg/kg	2.3	7.3	1			3/29/2013	CJR	1
Benzene		< 25 < 25	ug/kg	7.9	25 25	1 1			3/29/2013	CJR	! 1
Ethylbenzene Methyl tert-butyl e	ther (MTRF)	< 25	ug/kg ug/kg	7.7 8.1	26	1			3/29/2013 3/29/2013	CJR CJR	1
Naphthalene	aner (IIII DE)	< 25	ug/kg	22	70	i			3/29/2013	CJR	i
Toluene		< 25	ug/kg	8.4	27	1	GRO95/8021		3/29/2013	CJR	ì
1,2,4-Trimethylber	nzene	< 25	ug/kg	10	33	1	GRO95/8021		3/29/2013	CJR	1
1,3,5-Trimethylber	nzene	< 25	ug/kg	9.3	30	1			3/29/2013	CJR	1
m&p-Xylene		< 50	ug/kg	16	50	I			3/29/2013	CJR	1
o-Xylene		< 25	ug/kg	10	32	1	GRO95/8021		3/29/2013	CJR	1
Lab Code	5024925K										
Sample ID	G-6-1										
Sample Matrix	Soil										
Sample Date	3/18/2013										
Sumple Date	5.10.2015	Result	Unit	LOD L	00 n	il	Method	Ext Date	Run Date	Analyst	Cod
General		Result	Ome	LOD L	OQ D	11	14XCtHQu	Ext Date	Kun Date	rangot	Cou
General		7//	0.7			,	c001		2/20/2012	MDIZ	
Solids Percent		76.6	%			1	5021		3/20/2013	MDK	1
Inorganic											
Metals											
Lead, Total		10.9	ıng/Kg	0.6	1.92	2	6010B		3/21/2013	CWT	1 49
Organic											
GRO/PVOC +	•	3									
Gasoline Range Or	ganics	18	mg/kg	2.3	7.3	!	GRO95/8021		3/27/2013	CJR	Ì
Benzene		33	ug/kg	7.9 7.7	25 25	1 1	GRO95/8021		3/27/2013	CJR CJR	1
Ethylbenzene Methyl tert-butyl e	ther (MTRF)	44 < 25	ug/kg ug/kg	8.1	26	1	GRO95/8021 GRO95/8021		3/27/2013 3/27/2013	CJR	1
Naphthalene	mer (MITBL)	202	ug/kg	22	70	i	GRO95/8021		3/27/2013	CJR	í
Toluene		< 25	ug/kg	8.4	27	1	GRO95/8021		3/27/2013	CJR	Ĩ
1,2,4-Trimethylben	zene	247	ug/kg	01	33	1	GRO95/8021		3/27/2013	CJR	1
1,3,5-Trimethylben	zene	124	ug/kg	9.3	30	I	GRO95/8021		3/27/2013	CJR	1
m&p-Xylene		119	ug/kg	16	50	1	GRO95/8021		3/27/2013	CJR	i
o-Xylene		106	ug/kg	10	32	1	GRO95/8021		3/27/2013	CJR	1
Lab Code	5024925L										
Sample ID	G-6-2										
Sample Matrix											
Sample Date	3/18/2013										
	5.15.2015	Result	Unit	LOD LO	оо в	il	Method	Ext Date	Run Date	Analyst	Code
General				L.	- ~ ~			22.2			~ vu•
General		971	9/			,	5031		2/20/2012	MDr	
Solids Percent		87.1	%			l	5021		3/20/2013	MDK	I
Organic	X7 1.1 1										
GRO/PVOC +	•					_				~~~	
Gasoline Range Org	ganics	< 10	mg/kg	2.3	7.3	1	GRO95/8021		3/27/2013	CJR	1
Benzene		146	ug/kg	7.9	25	į	GRO95/8021		3/27/2013	CJR	1

Project Name     Project #	DX SERVIC	E STATION	TION Invoice # E24925							
Lab Code Sample ID Sample Matrix Sample Date	5024925L G-6-2 Soil 3/18/2013			100 1	00 Pi	Madad	Ent Date	Dun Data	Analyst	Codo
Ethylbenzene Methyl tert-butyl et Naphthalene Toluene 1,2,4-Trimethylben 1,3,5-Trimethylben m&p-Xylene o-Xylene	zene	Result 39	Unit ug/kg ug/kg ug/kg ug/kg ug/kg ug/kg ug/kg ug/kg ug/kg	7.7 8.1 22 8.4 10 9.3 16 10	25 1 26 1 70 1 27 1 33 1 30 1 50 1 32 1	Method GRO95/8021 GRO95/8021 GRO95/8021 GRO95/8021 GRO95/8021 GRO95/8021 GRO95/8021	Ext Date	Run Date 3/27/2013 3/27/2013 3/27/2013 3/27/2013 3/27/2013 3/27/2013 3/27/2013	CJR	Code  ! !! !! !! !! !!
Lab Code Sample ID Sample Matrix Sample Date	5024925M G-6-3 Soil 3/18/2013		· .	TOP TO	00 Pu	Mr.dd	Eu4 D - 4 -	Dun Data	A w o Year	Codo
General		Result	Unit	LOD LO	DQ Dil	Method	Ext Date	Run Date	Analyst	Code
General Solids Percent		76.6	%		1	5021		3/20/2013	MDK	1
Organic	Manhthalana									
GRO/PVOC + Gasoline Range On Benzene Ethylbenzene Methyl tert-butyl et Naphthalene Toluene 1,2,4-Trimethylben 1,3,5-Trimethylben m&p-Xylene o-Xylene	ganics her (MTBE) zene	<10 31.5 29.7 <25 <25 37 106 53 115 89	mg/kg ug/kg ug/kg ug/kg ug/kg ug/kg ug/kg ug/kg ug/kg	2.3 7.9 7.7 8.1 22 8.4 10 9.3 16	7.3 1 25 1 25 1 26 1 70 1 27 1 33 1 30 1 50 1 32 1	GRO95/8021 GRO95/8021 GRO95/8021 GRO95/8021 GRO95/8021 GRO95/8021 GRO95/8021 GRO95/8021 GRO95/8021 GRO95/8021		3/27/2013 3/27/2013 3/27/2013 3/27/2013 3/27/2013 3/27/2013 3/27/2013 3/27/2013 3/27/2013	CJR	! 1 1 1 1 1 1 1
Lab Code Sample ID Sample Matrix Sample Date	5024925N G-7-1 Soil 3/18/2013									
		Result	Unit	LOD LO	OQ Dil	Method	Ext Date	Run Date	Analyst	Code
General General Solids Percent Inorganic		75.9	%		I	5021		3/20/2013	MDK	1
Metals Lead, Total Organic		16.5	mg/Kg	0.6	1.92 2	6010B		3/21/2013	CWT	1 49
GRO/PVOC + Gasoline Range Org Benzene Ethylbenzene Methyl tert-butyl et Naphthalene Toluene 1,2,4-Trimethylben: m&p-Xylene o-Xylene	ganics her (MTBE) zene	<10 <25 <25 <25 <25 <25 25.6 "J" 80 43 57 41	mg/kg ug/kg ug/kg ug/kg ug/kg ug/kg ug/kg ug/kg ug/kg ug/kg	2.3 7.9 7.7 8.1 22 8.4 10 9.3 16	7.3 i 25 l 25 l 26 l 70 l 27 i 33 l 30 l 50 l 32 l	GRO95/8021 GRO95/8021 GRO95/8021 GRO95/8021 GRO95/8021 GRO95/8021 GRO95/8021 GRO95/8021 GRO95/8021 GRO95/8021		3/29/2013 3/29/2013 3/29/2013 3/29/2013 3/29/2013 3/29/2013 3/29/2013 3/29/2013 3/29/2013	CJR CJR CJR CJR CJR CJR CJR CJR CJR CJR	i: 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1

Lab Code 50249250 Sample ID G-7-2

Sample Matrix Sample Date	x Soil 3/18/2013									
bampic Date	3/10/2013	Result	Unit	TOD 1	OQ Dil	Method	Ext Data	Run Date	o Analyst	Codo
General					.oq Dii	nicilou	Ext Date	Kun Dau	e Analysi	Coue
General										
Solids Percent		74.4	%			1 5021		3/20/2013	MDK	1
Organic						. 3021		312012013	MDK	1
GRO/PVOC	+ Naphthaler	ne								
Gasoline Range O		26	ıng/kg	2.3	7.3	I GRO95/8021		3/27/2013	CJR	1
Benzene	-	244	ug/kg	7.9		GRO95/8021		3/27/2013	CJR	1
Ethylbenzene	.1 (2 (755.5)	197	ug/kg	7.7	25			3/27/2013	CJR	l
Methyl tert-butyl o Naphthalene	ether (MTBE)	< 25 330	ug/kg	8.1		GRO95/8021		3/27/2013	CJR	1
Toluene		196	ug/kg ug/kg	22 8.4	70 27			3/27/2013	CJR	1
1,2,4-Trimethylbe	nzene	3400	ug/kg	10	33			3/27/2013 3/27/2013	CJR CJR	1
1,3,5-Trimethylbe		1140	ug/kg	9.3	30			3/27/2013	CJR	1
m&p-Xylene		3400	ug/kg	16	50	GRO95/8021		3/27/2013	CJR	1
o-Xylene		850	ug/kg	10	32	GRO95/8021		3/27/2013	CJR	1
Lab Code	5024925P									
Sample ID	G-7-3									
Sample Matrix	Soil									
Sample Date	3/18/2013									
•		Result	Unit	LOD L	OO Dif	Method	Ext Date	Run Date	Analyet	Codo
General				~~~ _	o Q DA	11XVIII G	DAI DAIC	Run Date	Anaryst	Coue
General										
Solids Percent		69.4	%		1	5021		3/20/2013	MOV	,
Organic		07.1	70		1	3021		3/20/2013	MDK	1
GRO/PVOC +	Naphthalene	e								
Gasoline Range Or		26	mg/kg	2.3	7.3 1	GRO95/8021		3/27/2013	CJR	1
Benzene		590	ug/kg	7.9	25 1			3/27/2013	CJR	1 1
Ethylbenzene		2520	ug/kg	7.7	25 I			3/27/2013	CJR	i
Methyl tert-butyl e	ther (MTBE)	< 25	ug/kg	8.1	26 1	GRO95/8021		3/27/2013	CJR	1
Naphthalene Toluene		151 26.3 "J"	ug/kg	22	70 1	GRO95/8021		3/27/2013	CJR	1
1,2,4-Trimethylben	zene	1970	ug/kg ug/kg	8.4 10	27 I 33 I	GRO95/8021 GRO95/8021		3/27/2013	CJR	Į
1,3,5-Trimethylben		580	ug/kg	9.3	30 1	GRO95/8021		3/27/2013 3/27/2013	CJR CJR	1 1
ın&p-Xylene		8700	ug/kg	16	50 [	GRO95/8021		3/27/2013	CJR	i
o-Xylene		116	ug/kg	10	32 1	GRO95/8021		3/27/2013	CJR	Ī
Lab Code	5024925Q									
Sample ID	G-8-1									
Sample Matrix	Soil									
Sample Date	3/18/2013									
		Result	Unit	LOD LO	OO Dil	Method	Ext Date	Dun Noto	Analyst	Codo
General		105411	CHIL	DOD DO	JQ DII	Memou	Ext Date	Kun Date	Analyst	Code
General										
Solids Percent		77.2	%			5021				
Inorganic		11.2	70		1	5021		3/20/2013	MDK	i
Metals										
Lead, Total		9.05	m = /1/ -	0.7	1.00	(010D				
Organic		7.03	mg/Kg	0.6	1.92 2	6010B		3/21/2013	CWT	1 49
GRO/PVOC +	Nanhthalana									
	•		n	2.2	7.3	CD One (coo.)				
Gasoline Range Org Benzene	antes	126 1460	mg/kg ug/kg	2.3 7.9	7.3 1 25 I	GRO95/8021 GRO95/8021		3/27/2013	CIR	1
		- · <del>- ·</del>	~B.vP	1.5	<i>2.3</i> 1	GRO/3/0021		3/27/2013	CJR	1

Project #	on oblevio	B B I I I I I I I I I I I I I I I I I I									
Lab Code Sample ID	5024925Q G-8-1										
Sample Matrix	Soil										
Sample Date	3/18/2013										
Ethylbenzene Methyl tert-butyl et Naphthalene Toluene 1,2,4-Trimethylben 1,3,5-Trimethylben m&p-Xylene o-Xylene	zene zene	Result 4600 < 25 167 6300 7400 2790 15300 4600	Unit  ug/kg ug/kg ug/kg ug/kg ug/kg ug/kg ug/kg ug/kg ug/kg	7.7 8.1 22 8.4 10 9.3 16 10	25 26 70 27 33 30 50 32	1	Method GRO95/8021 GRO95/8021 GRO95/8021 GRO95/8021 GRO95/8021 GRO95/8021 GRO95/8021	Ext Date	Run Date 3/27/2013 3/27/2013 3/27/2013 3/27/2013 3/27/2013 3/27/2013 3/27/2013	Analyst CJR	Code
Lab Code Sample ID Sample Matrix	5024925R G-8-2 Soil										
Sample Date	3/18/2013	Result	Unit	LOD LO	oq D	il	Method	Ext Date	Run Date	Analyst	Code
General	٠.										
General Solids Percent Organic		65.7	%			1	5021		3/20/2013	MDK	1
GRO/PVOC + Gasoline Range On Benzene Ethylbenzene Methyl tert-butyl et Naphthalene Toluene 1,2,4-Trimethylbene 1,3,5-Trimethylbene m&p-Xylene o-Xylene	ganics her (MTBE) zene	540 6100 23000 <250 12500 49000 40000 13200 81000 31100	mg/kg ug/kg ug/kg ug/kg ug/kg ug/kg ug/kg ug/kg ug/kg	23 79 77 81 220 84 100 93 160	73 250 250 260 700 270 330 300 500 320	10 10 10 10 10 10	GRO95/8021 GRO95/8021 GRO95/8021 GRO95/8021 GRO95/8021 GRO95/8021 GRO95/8021		3/27/2013 3/27/2013 3/27/2013 3/27/2013 3/27/2013 3/27/2013 3/27/2013 3/27/2013 3/27/2013 3/27/2013	CJR CJR CJR CJR CJR CJR CJR CJR CJR CJR	1 1 1 1 1 1 1 1
Lab Code Sample ID Sample Matrix Sample Date	5024925S G-8-3 Soil 3/18/2013								_		
		Result	Unit	LOD LO	OQ D	il	Method	Ext Date	Run Date	Analyst	Code
General General Solids Percent Inorganic		75.3	%			1	5021		3/20/2013	MDK	1
Metals Lead, Total Organic		15.5	mg/Kg	0.6	1.92	2	6010B		3/21/2013	CWT	1 49
General											
Gasoline Range On VOC's	ganics	3200	mg/kg	115	365	50	GRO95/8021		3/28/2013	CJR	1
Benzene		7800	ug/kg	460	1450	50 50	8260B 8260B		3/25/2013 3/25/2013	CJR CJR	1 1
Bromobenzene Bromodichlorometl	nane	< 650 < 1350	ug/kg ug/kg	650 1350	2000 4250		8260B		3/25/2013	CJR	I
Bromoform	·u.11~	< 1500	ug/kg	1500	4750	50	8260B		3/25/2013	CJR	1
tert-Butylbenzene		< 1000	ug/kg	1000	3200		8260B		3/25/2013	CJR	1
sec-Butylbenzene		4100 "J"	ug/kg	2050	6600		8260B		3/25/2013	CJR CJR	1
n-Butylbenzene Carbon Tetrachlorio	le	18700 < 1250	ug/kg ug/kg	1300 1250	4100 3950		8260B 8260B		3/25/2013 3/25/2013	CJR CJR	l

Project Name DX SERVICE STATION

DX SERVICE STATION **Project Name** 

Project #

Lab Code 5024925S Sample ID G-8-3 Sample Matrix Soil 3/18/2013 Sample Date

Sample Date 3/10/2013	Result	Unit	LOD I	00 D	il	Method	Ext Date	Run Date	Analyst	Code
Chlorobenzene	< 800	ug/kg	800	2600	50	8260B		3/25/2013	CJR	l
Chloroethane	< 2100	ug/kg	2100	6650	50	8260B		3/25/2013	CJR	1
Chloroform	< 2450	ug/kg	2450	7850	50	8260B		3/25/2013	CJR	1
Chloromethane	< 9050	ug/kg	9050	28850	50	8260B		3/25/2013	CJR	1
2-Chlorotoluene	< 800	ug/kg	800	2600	50	8260B		3/25/2013	CJR	1
4-Chlorotoluene	< 700	ug/kg	700	2150	50	8260B		3/25/2013	CJR	1
	< 2400	ug/kg	2400	7700	50	8260B		3/25/2013	CJR	1
1,2-Dibromo-3-chloropropane	< 700	ug/kg ug/kg	700	2250	50	8260B		3/25/2013	CJR	Ī
Dibromochloromethane	< 1650	ug/kg ug/kg	1650	5150	50	8260B		3/25/2013	CJR	1
1,4-Dichlorobenzene	< 1500 < 1500	ug/kg ug/kg	1500	4750	50	8260B		3/25/2013	CJR	ī
1,3-Dichlorobenzene	< 1900	ug/kg ug/kg	1900	6100	50	8260B		3/25/2013	CJR	1
1,2-Dichlorobenzene	< 2850		2850	9100	50	8260B		3/25/2013	CJR	27
Dichlorodifluoromethane	< 1800	ug/kg ug/kg	1800	5700	50	8260B		3/25/2013	CJR	1
1,2-Dichloroethane			950	3000	50	8260B		3/25/2013	CJR	i
1,1-Dichloroethane	< 950	ug/kg	1050	3300	50	8260B		3/25/2013	CJR	7
1,1-Dichloroethene	< 1050 < 1200	ug/kg ug/kg	1200	3850	50	8260B		3/25/2013	CJR	1
cis-1,2-Dichloroethene				4650	50	8260B		3/25/2013	CJR	Î
trans-1,2-Dichloroethene	< 1450	ug/kg	1450 475	1500	50	8260B		3/25/2013	CJR	ì
1,2-Dichloropropane	< 475	ug/kg	2300	7400	50	8260B		3/25/2013	CJR	i
2,2-Dichloropropane	< 2300	ug/kg	1050	3400	50	8260B		3/25/2013	CJR	1
1,3-Dichloropropane	< 1050	ug/kg	550	1700	50	8260B		3/25/2013	CJR	i
Di-isopropyl ether	< 550 < 1000	ug/kg	1000	3200	50	8260B		3/25/2013	CJR	i
EDB (1,2-Dibromoethane)		ug/kg	500	1650	50	8260B		3/25/2013	CJR	1
Ethylbenzene	95000	ug/kg		15200	50	8260B		3/25/2013	CJR	i
Hexachlorobutadiene	< 4750	ug/kg	4750 1250	4000	50	8260B		3/25/2013	CJR	1
Isopropylbenzene	9700	ug/kg			50	8260B		3/25/2013	CJR	Ī
p-Isopropyltoluene	2640 "J"	ug/kg	1550	4900 9100	50	8260B		3/25/2013	CJR	1
Methylene chloride	< 2850	ug/kg	2850	4800	50	8260B		3/25/2013	CJR	î
Methyl tert-butyl ether (MTBE)	< 1500	ug/kg	1500		50	8260B		3/25/2013	CJR	1
Naphthalene	18900	ug/kg	5700	18150 3750	50	8260B		3/25/2013	CJR	i
n-Propylbenzene	36000	ug/kg	1200 600	1900	50	8260B		3/25/2013	CJR	1
1,1,2,2-Tetrachloroethane	< 600	ug/kg		3700	50	8260B		3/25/2013	CJR	1
1,1,1,2-Tetrachloroethane	< 1150	ug/kg	1150 2450	7850	50	8260B		3/25/2013	CJR	i
Tetrachloroethene	< 2450	ug/kg	1000	3250	50	8260B		3/25/2013	CJR	ì
Toluene	168000	ug/kg		12550	50	8260B		3/25/2013	CJR	1
1,2,4-Trichlorobenzene	< 3950	ug/kg	3950 6450	20550	50	8260B		3/25/2013	CJR	1
1,2,3-Trichlorobenzene	< 6450	ug/kg	1900	6000	50	8260B		3/25/2013	CJR	i
1,1,1-Trichloroethane	< 1900	ug/kg		3700	50	8260B		3/25/2013	CJR	1
1,1,2-Trichloroethane	< 1150	ug/kg	1150 1400	4400	50	8260B		3/25/2013	CJR	i
Trichloroethene (TCE)	< 1400	ug/kg		13650	50	8260B		3/25/2013	CJR	i
Trichlorofluoromethane	< 4300	ug/kg	4300		50	8260B		3/25/2013	CJR	1
1,2,4-Trimethylbenzene	192000	ug/kg	1300	4050 4200	50	8260B		3/25/2013	CJR	į
1,3,5-Trimethylbenzene	54000	ug/kg	1300 1050	3300	50	8260B		3/25/2013	CJR	7
Vinyl Chloride	< 1050	ug/kg						3/25/2013	CJR	1
m&p-Xylene	340000	ug/kg	3400 1550	10800 4900	50 50	8260B 8260B		3/25/2013	CJR	1
o-Xylene	128000	ug/kg	1220	4900		8260B 8260B		3/25/2013	CJR	1
SUR - 1,2-Dichloroethane-d4	102	Rec %			50			3/25/2013	CJR	İ
SUR - 4-Bromofluorobenzene	111	Rec %			50 50	8260B 8260B		3/25/2013	CJR	1
SUR - Dibromofluoromethane	104	Rec %			50			3/25/2013	CJR	j
SUR - Toluene-d8	102	Rec %			J()	8260B		312312013	CJK	
Tab Code 5004005T										

Lab Code 5024925T Sample ID G-9-1 Sample Matrix Soil 3/18/2013 Sample Date

LOD LOQ Dil Result General General 3/20/2013 MDK ľ 75.5 % 1 5021 Solids Percent

Unit

Method

Ext Date Run Date Analyst Code

Project #

Lab Code5024925TSample IDG-9-1Sample MatrixSoilSample Date3/18/2013

Sample Matrix											
Sample Date	3/18/2013										
		Result	Unit	LOD L	OQ D	il	Method	Ext Date	Run Date	Analyst	Code
Organic											
GRO/PVOC+	- Naphthalen	e									
Gasoline Range Or	ganics	< 10	mg/kg	2.3	7.3	1	GRO95/8021		3/29/2013	CJR	1
Benzene		< 25	ug/kg	7.9	25	1	GRO95/8021		3/29/2013	CJR	1
Ethylbenzene	41 (8 (TDE)	< 25	ug/kg	7.7	25	1	GRO95/8021		3/29/2013	CJR	I I
Methyl tert-butyl e Naphthalene	mer (MIBE)	< 25 < 25	ug/kg ug/kg	8.1 22	26 70	1	GRO95/8021 GRO95/8021		3/29/2013 3/29/2013	CJR CJR	1
Toluene		30.5	ug/kg	8.4	27	1	GRO95/8021		3/29/2013	CJR	1
1,2,4-Trimethylber	zene	< 25	ug/kg	10	33	i	GRO95/8021		3/29/2013	CJR	1
1,3,5-Trimethylben	zene	< 25	ug/kg	9.3	30	1	GRO95/8021		3/29/2013	CJR	I
m&p-Xylene		< 50	ug/kg	16	50	1	GRO95/8021		3/29/2013	CJR	1
o-Xylene		< 25	ug/kg	10	32	1	GRO95/8021		3/29/2013	CJR	1
Lab Code	5024925U										
Sample ID	G-9-2										
Sample Matrix	Soil										
Sample Date	3/18/2013										
		Result	Unit	LOD L	OQ Di	I	Method	Ext Date	Run Date	Analyst	Code
General											
General											
Solids Percent		77.9	%			1	5021		3/20/2013	MDK	1
Organic											
GRO/PVOC+	-										
Gasoline Range Or	ganics	< 10	mg/kg	2.3	7.3	1	GRO95/8021		3/29/2013	CJR	l
Benzene Ethylbenzene		< 25 < 25	ug/kg	7.9 7.7	25 25	l l	GRO95/8021 GRO95/8021		3/29/2013 3/29/2013	CJR CJR	l Ť
Methyl tert-butyl et	her (MTRF)	< 25	ug/kg ug/kg	8.1	26	1	GRO95/8021		3/29/2013	CJR	1
Naphthalene	nor (MTBE)	< 25	ug/kg	22	70	Î	GRO95/8021		3/29/2013	CJR	1
Toluene		< 25	ug/kg	8.4	27	1	GRO95/8021		3/29/2013	CJR	1
1,2,4-Trimethylben		< 25	ug/kg	10	33	1	GRO95/8021		3/29/2013	CJR	I
1,3,5-Trimethylben	zene	< 25	ug/kg	9.3	30	1	GRO95/8021		3/29/2013	CJR	l
m&p-Xylene		< 50 < 25	ug/kg ug/kg	16 10	50 32	I I	GRO95/8021 GRO95/8021		3/29/2013 3/29/2013	CJR CJR	1
o-Xylene		~ 25	ug/kg	10	32	ı	GRO95/8021		3/29/2013	CJK	1
Lab Code	5024925V										
Sample ID	G-10-1										
Sample Matrix											
Sample Date	3/18/2013										
		Result	Unit	LOD LO	OQ Di	l	Method	Ext Date	Run Date	Analyst	Code
General											
General											
Solids Percent		88.6	%			1	5021		3/20/2013	MDK	1
Inorganic											
Metals											
Lead, Total		2.33	mg/Kg	0.6	1.92	2	6010B		3/21/2013	CWT	1 49
Organic											
GRO/PVOC +	-										
Gasoline Range Org	anics	< 10	mg/kg	2.3	7.3	1	GRO95/8021		3/29/2013	CJR	1
Benzene		< 25	ug/kg	7.9	25	l	GRO95/8021		3/29/2013	CJR	1
Ethylbenzene Methyl tert-butyl etl	ner (MTRF)	< 25 < 25	ug/kg ug/kg	7.7 1.8	25 26	I I	GRO95/8021 GRO95/8021		3/29/2013 3/29/2013	CJR CJR	] 
Naphthalene	ior (itt i Dre)	< 25	ug/kg ug/kg	22	70	1	GRO95/8021		3/29/2013	CJR	ì
Toluene		< 25	ug/kg	8.4	27	i	GRO95/8021		3/29/2013	CJR	į
			•								

Project Name   Project #	DX SERVIC	E STATION					Invoi	ce# E2492	25		
Lab Code Sample ID Sample Matrix Sample Date  1,2,4-Trimethylben 1,3,5-Trimethylben m&p-Xylene o-Xylene	3/18/2013 zene	Result	Unit ug/kg ug/kg ug/kg ug/kg	LOD LO 10 9.3 16 10	33 30 50 32	il 1 1 1	Method GRO95/8021 GRO95/8021 GRO95/8021 GRO95/8021	Ext Date	Run Date 3/29/2013 3/29/2013 3/29/2013 3/29/2013	Analyst CJR CJR CJR CJR CJR	Code 1 1 1 1
Lab Code Sample ID Sample Matrix Sample Date	5024925W G-10-2 Soil 3/18/2013	Result	Unit	LOD LO	ററ ന	iI	Method	Ext Date	Run Date	Analyst	Code
General		Kesum	Omt	LOD LO	JŲ D	11	Method	Line grate	Atun 2 mic	1111111	
General General Solids Percent		83.7	%	,		1	5021		3/20/2013	MDK	1
Organic											
GRO/PVOC+	Naphthalene	:									
Gasoline Range Or	ganics	850	mg/kg	23	73	10			3/30/2013	CJR	1
Benzene		1840	ug/kg	79	250	10			3/30/2013 3/30/2013	CJR CJR	1 1
Ethylbenzene	1 (NATRE)	21300 < 250	ug/kg ug/kg	77 81	250 260	10 10			3/30/2013	CJR	1
Methyl tert-butyl et Naphthalene	ner (MIBE)	9100	ug/kg ug/kg	220	700	10			3/30/2013	CJR	ī
Toluene		9100	ug/kg	84	270		GRO95/8021		3/30/2013	CJR	l
1,2,4-Trimethylben	zene	51000	ug/kg	100	330	10	GRO95/8021		3/30/2013	CJR	1
1,3,5-Trimethylben		19400	ug/kg	93	300	10			3/30/2013	CJR	1
m&p-Xylene		75000	ug/kg	160	-500	10	-		3/30/2013	CJR	l 1
o-Xylene		18300	ug/kg	100	320	10	GRO95/8021		3/30/2013	CJR	1
Lab Code Sample ID Sample Matrix Sample Date	5024925X G-10-3 Soil 3/18/2013	Result	Unit	LOD LO	OO D:	il	Method	Ext Date	Run Date	Analyst	Code
General				~	· · ·					•	
General											
Solids Percent		84.1	%			ı	5021		3/20/2013	MDK	ſ
		04.1	70			•	3021				
Organic	Nonhthalane										
GRO/PVOC + Gasoline Range Or		; 125	mg/kg	23	73	10	GRO95/8021		3/30/2013	CJR	1
Benzene	ganics	320	ug/kg	79	250	10	GRO95/8021		3/30/2013	CJR	Í
Ethylbenzene		5100	ug/kg	77	250	10			3/30/2013	CJR	1
Methyl tert-butyl et	her (MTBE)	< 250	ug/kg	81	260	10			3/30/2013	CJR	1
Naphthalene		1660	ug/kg	220	700	10			3/30/2013	CJR	1
Toluene		7500	ug/kg	84	270	01			3/30/2013	CJR	]
1,2,4-Trimethylben		8500	ug/kg	100	330	10			3/30/2013 3/30/2013	CJR CJR	ı l
1,3,5-Trimethylben	zene	3200	ug/kg	93 160	300 500	10 10			3/30/2013	CJR	1
m&p-Xylene		17600 5800	ug/kg ug/kg	100	320	10			3/30/2013	CJR	1
o-Xylene		2000	45/12 5	100	2-0	-0	2-10-2-00-21				

۲.,	voice	. #	E24925
ш	VUICE	: #	ヒンサラムフ

Project #	DA SERVIC	ESTATION					111 7 01	CC # 1.2472			
Lab Code Sample ID Sample Matrix Sample Date	5024925Y TB Water 3/18/2013	Result	Unit	LOD L	OO Dil	N	<b>1</b> ethod	Ext Date	Run Date	Analyst	Code
Organic		recourt		202 ~	- Q					•	
PVOC + Naph	thalene			- 4-						CID.	•
Benzene Ethylbenzene Methyl tert-butyl e Naphthalene Toluene 1,2,4-Trimethylben 1,3,5-Trimethylben m&p-Xylene o-Xylene	zene	<0.27 <0.82 <0.37 <1.2 <0.8 <0.83 <0.86 <1.6 <0.81	ug/l ug/l ug/l ug/l ug/l ug/l ug/l ug/l	0.27 0.82 0.37 1.2 0.8 0.83 0.86 1.6	2.6 1.2 3.8 2.6 2.6 2.7 5.2	1 Gl 1 Gl 1 Gl 1 Gl 1 Gl 1 Gl	RO95/8021 RO95/8021 RO95/8021 RO95/8021 RO95/8021 RO95/8021 RO95/8021 RO95/8021 RO95/8021		3/22/2013 3/22/2013 3/22/2013 3/22/2013 3/22/2013 3/22/2013 3/22/2013 3/22/2013	CJR	1 1 1 1 1 1 1 1
Lab Code Sample ID Sample Matrix Sample Date	5024925Z G-3-W Water 3/18/2013	D. 1/	TT ž4	TOD T	oo bu	T.	Cathod	Ent Data	Dun Data	Anolyst	Cada
Organic	,	Result	Unit	LOD L	OQ DII	į¥.	<b>Iethod</b>	Ext Date	Run Date	Allaiyst	Cout
Organic PVOC + Naph Benzene Ethylbenzene Methyl tert-butyl et Naphthalene Toluene 1,2,4-Trimethylben 1,3,5-Trimethylben m&p-Xylene o-Xylene	ther (MTBE) zene	13.2 84 <3.7 49 18.3 "J" 470 187 186 47	ug/l ug/l ug/l ug/l ug/l ug/l ug/l ug/l	2.7 8.2 3.7 12 8 8.3 8.6 16	26 1 12 1 38 1 26 1 26 1 27 1 52 1	10 Gl 10 Gl 10 Gl 10 Gl 10 Gl 10 Gl	RO95/8021 RO95/8021 RO95/8021 RO95/8021 RO95/8021 RO95/8021 RO95/8021 RO95/8021 RO95/8021		3/22/2013 3/22/2013 3/22/2013 3/22/2013 3/22/2013 3/22/2013 3/22/2013 3/22/2013	CJR	1 1 1 1 1 1 1 1
Lab Code Sample ID Sample Matrix Sample Date	524925AA G-5-W Water 3/18/2013	Result	Unit	LOD L	OO Dil	M	<b>l</b> ethod	Ext Date	Run Date	Analyst	Code
Organic		Result	Onic	LOD E	oq z.	1,,		2311 2 1111			
PVOC + Naph Benzene Ethylbenzene Methyl tert-butyl et Naphthalene Toluene 1,2,4-Trimethylben 1,3,5-Trimethylben m&p-Xylene o-Xylene	her (MTBE) zene	56 340 < 3.7 110 10.8 "J" 570 172 1220 18 "J"	ug/l ug/l ug/l ug/l ug/l ug/l ug/l ug/l	2.7 8.2 3.7 12 8 8.3 8.6 16	26 1 12 1 38 1 26 1 26 1 27 1 52 1	10 Gl 10 Gl 10 Gl 10 Gl 10 Gl 10 Gl	RO95/8021 RO95/8021 RO95/8021 RO95/8021 RO95/8021 RO95/8021 RO95/8021 RO95/8021 RO95/8021		3/28/2013 3/28/2013 3/28/2013 3/28/2013 3/28/2013 3/28/2013 3/28/2013 3/28/2013	CJR	1 1 1 1 1 1 1 1
Lab Code Sample ID Sample Matrix Sample Date	524925BB G-7-W Water 3/18/2013	Result	Unit	LOD L	OO Dii	M	<b>I</b> ethod	Ext Date	Run Date	Analyst	Code
Organic PVOC + Naph	thalene				_		RO95/8021		3/27/2013	CJR	1
Benzene		285	ug/l	2.7							•
			W	I DNR Lab C	ertificatio	n # 44	5037560		Pa	ge 12 of 14	

**Project Name** DX SERVICE STATION

Project Name I Project #	OX SERVIC	E STATION					Invoi	ce # E2492	25		
Lab Code Sample ID Sample Matrix Sample Date	524925BB G-7-W Water 3/18/2013										
Ethylbenzene Methyl tert-butyl et Naphthalene Toluene 1,2,4-Trimethylben 1,3,5-Trimethylben m&p-Xylene o-Xylene	zene	Result 430 < 3.7 51 14.4 "J" 370 92 950 21.8 "J"	Unit  ug/l   8.2 3.7 12 8.3 8.6 16 8.1	12 238 38 26 3 26 5 27 5 52	10 10 10 10	Method GRO95/8021 GRO95/8021 GRO95/8021 GRO95/8021 GRO95/8021 GRO95/8021 GRO95/8021	Ext Date	Run Date 3/27/2013 3/27/2013 3/27/2013 3/27/2013 3/27/2013 3/27/2013 3/27/2013	Analyst CJR	Code  1 1 1 1 1 1 1 1 1 1	
Lab Code Sample ID Sample Matrix Sample Date	524925CC G-9-W Water 3/18/2013	Result	Unit	LOD	LOQ D	il	Method	Ext Date	Run Date	Analyst	Code
Organic		Kesun	Omt	DOD	LOQ 2	~~	1,100,100	2		J	
PVOC + Naph Benzene Ethylbenzene Methyl tert-butyl et Naphthalene Toluene 1,2,4-Trimethylben 1,3,5-Trimethylben m&p-Xylene o-Xylene	her (MTBE) zene	0.92 4.7 <0.37 13.4 6.4 11.2 4.1 16.2 6.1	ug/l ug/l ug/l ug/l ug/l ug/l ug/l ug/l	0.21 0.82 0.37 1.2 0.83 0.83 0.86 1.6	2 2.6 7 1.2 2 3.8 3 2.6 3 2.6 5 2.7 5 5.2	1 1 1 1 1 1 1	GRO95/8021 GRO95/8021 GRO95/8021 GRO95/8021 GRO95/8021 GRO95/8021 GRO95/8021 GRO95/8021 GRO95/8021		3/28/2013 3/28/2013 3/28/2013 3/28/2013 3/28/2013 3/28/2013 3/28/2013 3/28/2013	CJR CJR CJR CJR CJR CJR CJR CJR CJR	1 1 1 1 1 1 1
Lab Code Sample ID Sample Matrix Sample Date	524925DD G-10-W Water 3/18/2013	D 14	¥1*/	LOD	100 D		Method	Ext Doto	Run Date	Analyet	Code
Organic		Result	Unit	LOD	LOQ D	11	Method	Ext Date	Kun Date	Anaryst	Cour
PVOC + Naph Benzene Ethylbenzene Methyl tert-butyl et Naphthalene Toluene 1,2,4-Trimethylben 1,3,5-Trimethylben m&p-Xylene o-Xylene	her (MTBE) zene	360 3300 < 7.4 760 7900 3130 1020 10400 3700	ug/l ug/l ug/l ug/l ug/l ug/l ug/l	5.4 16.4 7.4 24 16.6 17.3 32	52 4 24 5 76 5 52 6 52 2 54 2 104	20 20 20 20 20 20 20 20 20 20	GRO95/8021 GRO95/8021 GRO95/8021 GRO95/8021 GRO95/8021 GRO95/8021 GRO95/8021 GRO95/8021 GRO95/8021		3/29/2013 3/29/2013 3/29/2013 3/29/2013 3/29/2013 3/29/2013 3/29/2013 3/29/2013	CJR CJR CJR CJR CJR CJR CJR CJR	; 1 1 1 1 1 1 1

Project Name DX SERVICE STATION Invoice # E24925
Project #

"J" Flag: Analyte detected between LOD and LOQ LOD Limit of Detection LOQ Limit of Quantitation

\*\*Code\*\*

Comment\*\*

1 Laboratory QC within limits.
2 Relative percent difference failed for laboratory spiked samples.
7 The LCS 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 6. CUSTODY RECORD

Quote No.:

Lab LD. #

Account No. :

## Synergy

## Environmental Lab, Inc.

Sample Handling Request Rush Analysis Date Required

243

Chain # No

Project #:	And the state of t	1990 Prospect Ct. • Appleton, WI 54914							A STATE OF THE STA	(Rushes accepted only with prior authorization)  Normal Turn Around						
Sampler: (signature)			0-830-2455	• FAX 920-7	33-063	31					الم	VOITE	artur	n Aro	unci	
Project (Name / Location): DX 52/V	ice statio	Jord .				Anal	ysis	Req	uesi	ted	-CTTTON AND SERVE		Othe	ır An	alysis	s ·
Aepons To: Marcella Damaschke	Involce To:		sidile do	I Dwall		-		- The second								
Company	Company M	ETLO													.	
Address 1210 Robin hand	Address 70%		5+ 5	11/2 3	DRO (Mod DRO Sep 95) GRO ( Mod GRO Sep 95)											
City State Zipherforfold, WI 53185	City State Zip /				Ser O Se	IFFON LEAD	311		HA.	8 254						
Phone (608) 823-7705	Phone (60%)				HOH		Ž	827C	AT.	ETA BOOK						
FAX	FAX						L E		Ž 11							PID/
Lab LD: Sample I.D. Collection Date Time C	omp Grab Filtered	Filtered No. of Sample Prospersion						PVOC	PVOC	SOLFA E VOC DW (EPA 524.2) VOC (EPA 8260) 8-RCRA WETALS				70000		FID
SOLYTS A Melly Blank 11813		1		MicH	X				X							
B G-3-1   1 10-15		1_3		1/More	<u>  }</u>	$  \bot   X$		_	X			1				
D 6-3-3 1055		2 2	<b></b>	<u> </u>	X		++	1	X .				++	-	<del>                                     </del>	
B 63-3   10.55 E 6-4-1   17:20		3		/Acaz	-	$  \cdot  _{X}$	1		X X	+++	-	++	1		<del>                                     </del>	
G-4-2 11.30		2		7,740.					X							
G-4-3 (635)		1_1_			X				X							
HG-5-1 112751		3	\$50,000,000,000,000,000,000,000,000,000,	1/6,10	LX.	X	$\downarrow \downarrow$		X.		<del>                                      </del>		$\dashv$			
1 6.5.2 1 11.50 1 6.5.3 1 11.55		2		1.1		-		-	<u>Χ</u> Χ		-	++		-	-	}
Comments/Special Instructions (*Specify grounds Lab to send copy of (	vater "GW", Drinking apart to	MITO		"WW", Soil "S	1. 153. ", Air "A	Ļ √", Òil;	, Slu	ige e			<u></u>		_1_1	1	<u></u>	A STATE OF THE STA
URC Rotes	Agent ?	STATUS	<b>)</b>		~~~~	معمر عدد و المار در د و و		<b>Providence</b> (Confedence of Confedence of Co			~~~	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~				
Sample Integrity - To be completed by receiving  Method of Shipmant : Duvy		Relinquished By: (slgn) Time						eivec	By:	: (sign )				Time		Date
Cooler seal intact upon receipt: <u>Ves</u> No								······································	Tim	1e: 8:0	<u>ـــــ</u>			Date:		

### CHAIN 6. CUSTODY RECORD

# Scheray

Inc.

# Chain # Nº 244 Page Zol 3

Lab∦D:#			J J
Account No. :	Quote No.:	Environmental	Lab,
Project #			

Sample Handling Request

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

Sampler: (signature)			0 -rospect Ст. • Аррівібіі 20-830-2455 • FAX 920-7		X Normal Turn Around
Project (Name / Location): DX 5c/	1.ce 54	Lation	10.8	Analysis Requested	Other Analysis
Reports To: See Page 1	Invoice	-To:>			
Company	Compa	any	A Company of the Comp		
Address	Addres	65		Sep 95) Sep 95) Sep 95) Sep 95) ITE HALENE	
City State Zip	City Sta	ate Zip	<del></del>	1 Sep 1 AL	(c)
Phone	Phone			(Mod DRO (Mod GRC (Mod GRC ATE / NITR (EPA 8270) 3 (EPA 802 5 + NAPHT ATE DW (EPA 5260) (EPA 8260)	
FAX	FAX			Mod	PID
Lab/LD. Sample LD. Collection Oate Time	io - I o - i	Filtered No. of Y/N Containers	Sample Type Preservation (Matrix)*		FID STORY
50777518 6-6-1 VI8/3/13			5 MOH/Non	4 X X X X	
1 6-6-2 1 1 12°	~~ <del> </del>	2			
N G-G-3   12		3	1 ///		The state of the s
6.7-1 1/23	4 mg 100 mm minutes of 22,399 second minutes	2			
8 6-2-3 1 127	man 1.7 y young married and a second and a second and a second	1 1	7.00		
0 6-8-1 1:0			1/1/00/05		
R G-3-2 160	Andreas Services Services Services	2.			
2 68-3			Hane		
Comments/Special Instructions (*Specify grou		Drinking Water "DW",		S", Air "A", Oil, Sludge etc.)	
Sample Integrity - To be completed by rece	ang lab:	Relinquished By; (sig		Date Received By: (sign	) Time Date
Method of Shipment: Duwkton Temp. of Temp. Blank. "C On Ice!"	_	The second secon	4:04/1	7570	
Cooler seal infact upon receipt:	No F	Received in Laborato	ony By: (W)	Time: &	200 Date: 3-2013

### CHAIN O. CUSTODY RECORD

## Synergy

## Page 3 of 3

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ab l.D. #		- Andread Section 201		684
ccount No. :	Quote No.:	Environmental	Lago,	
with the control of t				

Sample Handling Request
Rush Analysis Date Required
Rushes accepted only with prior authorization

Normal Turn Around

Chain # Nº . 902

Sampler: (signature)	1990 Prospect Ct. • Applet 920-830-2455 • FAX 92					on, wr 54914						(Rushes accepted only with prior authorization  Normal Turn Around				
Project (Name / Location): DX 5e/V C	e station	Annual An		, CATTURE, M. A. CALIN	Ana	lysis	Requ	este	d		Paris Color	Oth	ner An	alysi	s	
Reports To: See Page 1.	Invoice To: 7	Production of the Confession of Confession o	and the standard and states are constituted by the standard and the standard and the standard and the standard													
Сотрапу	Company	<del>от постоя на вой в вой на постоя на пост</del>	\$\frac{1}{2}\delta(\frac{1}2\delta(\frac{1}{2}\delta(\frac{1}{2}\delta(\frac{1}2\delta(\fr									V0000000000000000000000000000000000000	7-11-70-70-11-11-11-11-11-11-11-11-11-11-11-11-11			
Address	Address			88			i i			perc 780 a Ciliborat						
City State Zip	City State Zip	h christopy y (1,40 time 1,440)	magatan uniterna pada la commune e e uniter la gaza, A.C. A.C. Cycos vanca	Sep		買	_   -   -		25 25 25 25 25 25 25 25 25 25 25 25 25 2	,				A part of the same		
Phone	Phone		The state of the s	HOHO GHO		E NITHITE	800 2		A 280			- Acceptance			PACE STATE AND ADDRESS AND ADD	
FAX	FAX	So Northean Company of the State of the Stat	. <del>Маркания, с раз РССС И Р</del> -того (РРССС), ф. обобразу <u>дация те</u> чения	Policy			Z d	+ WAFFITHAL	PAG						]   pi	
Lab I.D. Sample I.D. Collection tale Time Co	amp Grab Filtered	No. of Samp Containers (Matri	Preservation	ORO (Mod DRO Sep 95) GRO / Mod GRO Sep 95)	HON	NITRATE / WITH	PVOC (EPA 8021)	SULFA	VOC DW (EPA 524,2 VOC (EPA 8260) 8.EICRA METALS			4777			T	
591405 V G9-2 VX13140	X	2 3	MEDIT	1												
V 6-10-1 1 2:00	mmar a control of the state of	3	1/1/61	κ . ×	(_)		more increase from	X								
Q (3-10-2   1 1209				· 2 · . · · · · · · · · · · · · · ·		1	, 0272200. 30 11111 <del>  1111</del> 1	4	_			1	44		<u> </u>	
$\times 6.10.3$				_   <u>`</u>		-	manin a barrer a sant				Santas in their		+	-	+	
7 718 Bhah 1 1505		3 64	y Hel	┩		++		X X		-			+	+		
521925 AA 6-5-W 120						++		<del>à</del> i	******	+-			-		1	
B8 6-7-W 1 12-15						11										
SS 6-9-W 11:45	N	C. C			n especial y Birlands area of the		)									
18 610-W V 615				<u> </u>												
Comments/Special instructions ('Specify groundwater) Sample Integrity - To be completed by receiving	Date: "aka	ater "DW", Waste W	Fime	Da	te	on the state of th	dge etc		sign )	the firm an agriculture	AWWalaugurya 131 skyly	Martin and the Chick are waster	Time	Ð	Date	
Method of Shipment: You Voul-\ Temp, of Temp. Blank C On Ice: Cooler yeal intact upon receipt: Yes No		Laboratory By:	9:00hm	3/9	<u> </u>	o opposition de la communicación de la communi		lime	. (0)		handaria di managa					

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

MARCELLA DAMASCHKE MARCELLA DAMASCHKE 1210 ROBIN HOOD WATERFORD, WI 53185

Report Date 06-Jun-13

Project Name DX SERVICE STATION

Project #

Lab Code -5025219A

MW-12 Sample ID Sample Matrix Water

Sample Date	5/23/2013										
		Result	Unit	LOD L	OQ D	il	Method	Ext Date	Run Date	Analyst	Code
Inorganic											
Metals											
Iron, Dissolved		< 0.06	mg/l	0.06	0.21	1	200.7		5/28/2013	CWT	1
Lead, Dissolved		< 0.7	ug/L	0.7	2.5	I	7421		5/28/2013	CWT	1
Manganese, Dissol	ved	2040	ug/L	4.8	15.4	1	200.7		5/28/2013	CWT	I
Organic											
VOC's											
		< 0.24	ug/l	0.24	0.77	1	8260B		5/29/2013	CJR	1
Benzene		< 0.32	ug/l	0.32	1	1	8260B		5/29/2013	CJR	1
Bromobenzene	1	< 0.37	ug/l	0.37	1.2	1	8260B		5/29/2013	CJR	Ī
Bromodichloromet	nane	< 0.35	ug/l	0.35	1.1	i	8260B		5/29/2013	CJR	1
Bromoform		< 0.36	ug/l	0.36	1.2	1	8260B		5/29/2013	CJR	1
tert-Butylbenzene	=	< 0.33	ug/l ug/l	0.33	1.2	1	8260B		5/29/2013	CJR	ī
sec-Butylbenzene		< 0.35	ug/l	0.35	1.1	1	8260B		5/29/2013	CJR	1
n-Butylbenzene	٠.	< 0.33	ug/l	0.33	1.1	1	8260B		5/29/2013	CJR	1
Carbon Tetrachlori	ae	< 0.24	ug/l	0.24	0.77	1	8260B		5/29/2013	CJR	1
Chlorobenzene		< 0.63	ug/l	0.63	2	1	8260B		5/29/2013	CJR	1
Chloroethane		< 0.28	ug/I	0.28	0.88	1	8260B		5/29/2013	CJR	i
Chloroform		< 0.28	ug/l	0.81	2.6	1	8260B		5/29/2013	CJR	1
Chloromethane		< 0.21	ug/l	0.31	0.66	1	8260B		5/29/2013	CJR	1
2-Chlorotoluene		< 0.21	ug/l	0.21	0.68	1	8260B		5/29/2013	CJR	Ī
4-Chlorotoluene		< 0.88	ug/l	0.88	2.8	1	8260B		5/29/2013	CJR	1
1,2-Dibromo-3-chl		< 0.22	ug/i	0.22	0.7	í	8260B		5/29/2013	CJR	ī
Dibromochloromet		< 0.22	ug/l	0.22	0.96	1	8260B		5/29/2013	CJR	1
1,4-Dichlorobenzer		< 0.28	ug/l	0.28	0.89	1	8260B		5/29/2013	CJR	i
1,3-Dichlorobenzer		< 0.26	ug/l	0.26	1.2	ſ	8260B		5/29/2013	CJR	ī
1,2-Dichlorobenzer				0.44	1.4	1	8260B		5/29/2013	CJR	i
Dichlorodifluorom		< 0.44	ug/l	0.44	1.3	1	8260B		5/29/2013	CJR	î
1,2-Dichloroethane		< 0.41	ug/l	0.41	0.97	1	8260B		5/29/2013	CJR	í
1,1-Dichloroethane		< 0.3	ug/l	0.4	1.3	1	8260B		5/29/2013	CJR	ì
1,1-Dichloroethene		< 0.4	ug/l		1.3	1	8260B		5/29/2013	CJR	i
cis-1,2-Dichloroeth		< 0.38	ug/l	0.38		-	8260B		5/29/2013	CJR	l
trans-1,2-Dichloroe		< 0.35	ug/l	0.35	1.1	1	8260B		5/29/2013	CJR	i
1,2-Dichloropropar		< 0.32	ug/l	0.32	1	1	8260B		5/29/2013	CJR	1
2,2-Dichloropropat	ne	< 0.36	ug/I	0.36	1.2	1	020UB		3/27/2013	CJK	1

**Invoice** # E25219

Project Name DX SERVICE STATION

Project #

Lab Code 5025219A Sample ID MW-12 Sample Matrix Water

Sumple natural of the											
Sample Date 5/23	3/2013										
	R	esult	Unit	TOD T	OQ D	il	Method	Ext Date	Run Date		Code
1,3-Dichloropropane		< 0.33	ug/I	0.33	1	1	8260B		5/29/2013	CJR	1
Di-isopropyl ether		< 0.23	ug/l	0.23	0.73	1	8260B		5/29/2013	CJR	1
EDB (1,2-Dibromoethane	:)	< 0.44	ug/l	0.44	1.4	1	8260B		5/29/2013	CJR	1
Ethylbenzene	•	< 0.55	ug/l	0.55	1.7	1	8260B		5/29/2013	CJR	1
Hexachlorobutadiene		< 1.5	ug/l	1.5	4.8	1	8260B		5/29/2013	CJR	1
Isopropylbenzene		< 0.3	ug/l	0.3	0.96	1	8260B		5/29/2013	CJR	I
p-Isopropyltoluene		< 0.31	ug/l	0.31	0.98	1	8260B		5/29/2013	CJR	1
Methylene chloride		< 0.5	ug/l	0.5	1.6	1	8260B		5/29/2013	CJR	1
Methyl tert-butyl ether (M	ITBE)	< 0.23	ug/l	0.23	0.74	1	8260B		5/29/2013	CJR	1
Naphthalene	,	< 1.7	ug/l	1.7	5.5	1	8260B		5/29/2013	CJR	1
n-Propylbenzene		< 0.25	ug/l	0.25	0.81	1	8260B		5/29/2013	CJR	1
1,1,2,2-Tetrachloroethane	:	< 0.45	ug/l	0.45	1.4	1	8260B		5/29/2013	CJR	1
1,1,1,2-Tetrachloroethane		< 0.33	ug/l	0.33	1.1	1	8260B		5/29/2013	CJR	1
Tetrachloroethene		< 0.33	ug/l	0.33	1.1	1	8260B		5/29/2013	CJR	1
Toluene		< 0.69	ug/l	0.69	2.2	1	8260B		5/29/2013	CJR	1
1,2,4-Trichlorobenzene		< 0.98	ug/l	0.98	3.1	I	8260B	_	5/29/2013	CJR	1
1,2,3-Trichlorobenzene		< 1.8	ug/l	1.8	5.8	1	8260B	<i>2</i> *	5/29/2013	CJR	1
1,1,1-Trichloroethane		< 0.33	ug/l	0.33	1	1	8260B		5/29/2013	CJR	1
1,1,2-Trichloroethane		< 0.34	ug/l	0.34	1.1	1	8260B		5/29/2013	CJR	1
Trichloroethene (TCE)		< 0.33	ug/l	0.33	1	1	8260B		5/29/2013	CJR	1
Trichlorofluoromethane		< 0.71	ug/l	0.71	2.3	1	8260B		5/29/2013	CJR	1
1,2,4-Trimethylbenzene		< 2.2	ug/l	2.2	6.9	İ	8260B		5/29/2013	CJR	l .
1,3,5-Trimethylbenzene		< 1.4	ug/l	1.4	4.5	1	8260B		5/29/2013	CJR	i
Vinyl Chloride		< 0.18	ug/l	0.18	0.57	1	8260B		5/29/2013	CJR	1
m&p-Xylene		< 0.69	ug/l	0.69	2.2	1	8260B		5/29/2013	CJR	l .
o-Xylene		< 0.63	ug/l	0.63	2	1	8260B		5/29/2013	CJR	Ţ
SUR - 1,2-Dichloroethane	e-d4 99	)	REC %			1	8260B		5/29/2013	CJR	1
SUR - 4-Bromofluoroben:		)2	REC %			Ī	8260B		5/29/2013	CJR	l .
SUR - Dibromofluoromet	hane 90	)	REC %			1	8260B		5/29/2013	CJR	1
SUR - Toluene-d8	10	)0	REC %			1	8260B		5/29/2013	CJR	1
Wet Chemistry											
General											
Nitrite Plus Nitrate	0.	75	mg/l	0.1	0.31	I	4500B/F		5/31/2013	CWT	1
Sulfate		5.0	mg/l	3.4	10.6	2	300.0		5/28/2013	CWT	1
•											

Project Name DX SERVICE STATION Invoice # E25219

Project #

Lab Code5025219BSample IDMW-13Sample MatrixWaterSample Date5/23/2013

	Result	Unit	LOD L	OQ I	)il	Method	Ext Date	Run Date	Analyst	Code
m&p-Xylene	< 0.69	ug/l	0.69	2.2	1	8260B		5/30/2013	CJR	1
o-Xylene	< 0.63	ug/l	0.63	2	1	8260B		5/30/2013	CJR	î
SUR - 1,2-Dichloroethane-d4	99	REC %			1	8260B		5/30/2013	CJR	1
SUR - Toluene-d8	100	REC %			1	8260B		5/30/2013	CJR	i
SUR - 4-Bromofluorobenzene	99	REC %			1	8260B		5/30/2013	CJR	í
SUR - Dibromofluoromethane	92	REC %			1	8260B		5/30/2013	CJR	1
Wet Chemistry								0.00,2015	CJIC	*
General										
Nitrite Plus Nitrate	20.5	mg/l	0.2	0.62	2	4500B/F		5/31/2013	CWT	1
Sulfate	40.1	mg/l	3.4	10.6	2	300.0		5/28/2013	CWT	î

Project #

**Project Name** DX SERVICE STATION

Lab Code

5025219B

Sample ID MW-13 Sample Matrix Water Sample Date 5/23/2013

Sample Date 3/23/20	13								~ .
	Result	Unit	LOD L	OQ Dil	Method	Ext Date	Run Date	Analyst	Code
Inorganic									
-									
Metals							5000010	an m	
Iron, Dissolved	< 0.06	mg/l	0.06	0.21 1	200.7		5/28/2013	CWT	1
Lead, Dissolved	< 0.7	ug/L	0.7	2.5 <b>1</b>	7421		5/28/2013	CWT	1
Manganese, Dissolved	1430	ug/L	4.8	15.4 I	200.7		5/28/2013	CWT	Ī
Organic									
VOC's									
	.004	. 11	0.24	0.77 1	9240D		5/30/2013	CJR	1
Benzene	< 0.24	ug/l	0.24	0.77 1	8260B		5/30/2013	CJR	1
Bromobenzene	< 0.32	ug/l	0.32	1 1	8260B		5/30/2013	CJR	1
Bromodichloromethane	< 0.37	ug/l	0.37	1.2 1			5/30/2013	CJR	1
Bromoform	< 0.35	ug/l	0.35	1.1	8260B			CJR	ı İ
tert-Butylbenzene	< 0.36	ug/l	0.36	1.2	8260B		5/30/2013	CJR	1
sec-Butylbenzene	< 0.33	ug/l	0.33	1 1	8260B		5/30/2013	CJR	1
n-Butylbenzene	< 0.35	ug/l	0.35	1.1			5/30/2013		1
Carbon Tetrachloride	< 0.33	ug/l	0.33	1.1 1	8260B		5/30/2013	CJR CJR	i
Chlorobenzene	< 0.24	ug/l	0.24	0.77 1			5/30/2013		1
Chloroethane	< 0.63	ug/l	0.63	2 1	8260B		5/30/2013	CJR	-
Chloroform	< 0.28	ug/l	0.28	0.88 1			5/30/2013	CJR	1
Chloromethane	< 0.81	ug/l	0.81	2.6	8260B		5/30/2013	CJR	1
2-Chlorotoluene	< 0.21	ug/l	0.21	0.66 1			5/30/2013	CJR	1
4-Chlorotoluene	< 0.21	ug/l	0.21	0.68 1	8260B		5/30/2013	CJR	1
1,2-Dibromo-3-chloropropane		ug/l	0.88	2.8 I	8260B		5/30/2013	CJR	1
Dibromochloromethane	< 0.22	ug/l	0.22	0.7	8260B		5/30/2013	CJR	1
1,4-Dichlorobenzene	< 0.3	ug/l	0.3	0.96 1			5/30/2013	CJR	l
1,3-Dichlorobenzene	< 0.28	ug/l	0.28	0.89 1			5/30/2013	CJR	1
1,2-Dichlorobenzene	< 0.36	ug/l	0.36	1.2	8260B		5/30/2013	CJR	1
Dichlorodifluoromethane	< 0.44	ug/l	0.44	1.4 1	8260B		5/30/2013	CJR	1
1,2-Dichloroethane	< 0.41	ug/l	0.41	1.3 1	8260B		5/30/2013	CJR	1
1,1-Dichloroethane	< 0.3	ug/l	0.3	0.97 1	8260B		5/30/2013	CJR	I
1,1-Dichloroethene	< 0.4	ug/l	0.4	1.3 1	8260B		5/30/2013	CJR	1
cis-1,2-Dichloroethene	< 0.38	ug/l	0.38	1.2 1	8260B		5/30/2013	CJR	1
trans-1,2-Dichloroethene	< 0.35	ug/l	0.35	1.1 1	8260B		5/30/2013	CJR	1
1,2-Dichloropropane	< 0.32	ug/l	0.32	1 1	8260B		5/30/2013	CJR	1
2,2-Dichloropropane	< 0.36	ug/l	0.36	1.2	8260B		5/30/2013	CJR	1
1,3-Dichloropropane	< 0.33	ug/l	0.33	1 1	8260B		5/30/2013	CJR	1
Di-isopropyl ether	< 0.23	ug/i	0.23	0.73 1	8260B		5/30/2013	CJR	1
EDB (1,2-Dibromoethane)	< 0.44	ug/l	0.44	1.4 1	8260B		5/30/2013	CJR	1
Ethylbenzene	< 0.55	ug/l	0.55	1.7 1	8260B		5/30/2013	CJR	I
Hexachlorobutadiene	< 1.5	ug/l	1.5	4.8 1	8260B		5/30/2013	CJR	1
Isopropylbenzene	< 0.3	ug/l	0.3	0.96 1	8260B		5/30/2013	CJR	1
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.98 1	8260B		5/30/2013	CJR	ì
Methylene chloride	< 0.5	ug/l	0.5	1.6 1	8260B		5/30/2013	CJR	l
Methyl tert-butyl ether (MTBE	< 0.23	ug/l	0.23	0.74 1	8260B		5/30/2013	CJR	1
Naphthalene	< 1.7	ug/l	1.7	5.5 1	8260B		5/30/2013	CJR	1
n-Propylbenzene	< 0.25	ug/l	0.25	0.81 1	8260B		5/30/2013	CJR	1
1,1,2,2-Tetrachloroethane	< 0.45	ug/l	0.45	1.4	8260B		5/30/2013	CJR	i
1,1,1,2-Tetrachloroethane	< 0.33	ug/l	0.33	1.1 1	8260B		5/30/2013	CJR	1
Tetrachloroethene	< 0.33	ug/i	0.33	1.I I	8260B		5/30/2013	CJR	1
Toluene	< 0.69	ug/l	0.69	2.2	8260B		5/30/2013	CJR	1
1,2,4-Trichlorobenzene	< 0.98	ug/l	0.98	3.1 1	8260B		5/30/2013	CJR	1
1,2,3-Trichlorobenzene	< 1.8	ug/l	1.8	5.8 1	8260B		5/30/2013	CJR	1
1,1,1-Trichloroethane	< 0.33	ug/l	0.33	1 1	8260B		5/30/2013	CJR	1
1,1,1-Trichloroethane	< 0.34	ug/l	0.34	1.1 1	8260B		5/30/2013	CJR	1
Trichloroethene (TCE)	< 0.33	ug/l	0.33	i i	8260B		5/30/2013	CJR	1
Trichlorofluoromethane	< 0.71	ug/l	0.71	2.3 1	8260B		5/30/2013	CJR	1
1,2,4-Trimethylbenzene	< 2.2	ug/l	2.2	6.9	8260B		5/30/2013	CJR	1
1,3,5-Trimethylbenzene	< 1.4	ug/l	1,4	4.5	8260B		5/30/2013	CJR	l
Vinyl Chloride	< 0.18	ug/l	0.18	0.57 1	8260B		5/30/2013	CJR	ì
+ High Cimoride	· 0.10		0.10	V · 1	<del>-</del>				

Project Name DX SERVICE STATION

Project #

Lab Code5025219CSample IDMW-11Sample MatrixWaterSample Date5/23/2013

Sample Date	5/23/2013										
r		Result	Unit	LOD 1	LOQ Di	1	Method	Ext Date	Run Date	Analyst	Code
Ingrania											
Inorganic											
Metals										CVI III	
Iron, Dissolved		< 0.06	mg/l	0.06	0.21	1	200.7		5/28/2013	CWT	İ
Lead, Dissolved		< 0.7	ug/L	0.7	2.5	1	7421		5/28/2013	CWT	1
Manganese, Dissol	ved	979	ug/L	4.8	15.4	I	200.7		5/28/2013	CWT	1
Organic											
_											
VOC's				0.04	0.77		00/00		5/30/2013	CJR	1
Benzene		2.08	ug/l	0.24	0.77	l	8260B		5/30/2013	CJR	1
Bromobenzene		< 0.32	ug/l	0.32	1	1	8260B				1
Bromodichloromet	hane	< 0.37	ug/l	0.37	1.2	1	8260B		5/30/2013	CJR CJR	
Bromoform		< 0.35	ug/l	0.35	1.1	I	8260B		5/30/2013		1
tert-Butylbenzene		< 0.36	ug/l	0.36	1.2	l	8260B		5/30/2013	CJR	1
sec-Butylbenzene		0.67 "J"	ug/l	0.33	1	1	8260B		5/30/2013	CJR	1
n-Butylbenzene		0.43 "J"	ug/l	0.35	1.1	1	8260B		5/30/2013	CJR	1
Carbon Tetrachlori	de	< 0.33	ug/l	0.33	1.1	1	8260B		5/30/2013	CJR	1
Chlorobenzene		< 0.24	ug/l	0.24	0.77	1	8260B		5/30/2013	CJR	I
Chloroethane		< 0.63	ug/l	0.63	2	1	8260B		5/30/2013	CJR	1
Chloroform		< 0.28	ug/l	0.28	0.88	1	8260B		5/30/2013	CJR	1
Chloromethane		< 0.81	ug/l	0.81	2.6	1	8260B		5/30/2013	CJR	I
2-Chlorotoluene		< 0.21	ug/l	0.21	0.66	l	8260B		5/30/2013	CJR	1
4-Chlorotoluene		< 0.21	ug/l	0.21	0.68	1	8260B		5/30/2013	CJR	1
1,2-Dibromo-3-chle	oropropane	< 0.88	ug/l	0.88	2.8	1	8260B		5/30/2013	CJR	l
Dibromochloromet	hane	< 0.22	ug/l	0.22	0.7	l	8260B		5/30/2013	CJR	1
1,4-Dichlorobenzer	ne	< 0.3	ug/l	0.3	0.96	1	8260B		5/30/2013	CJR	1
1,3-Dichlorobenzer		< 0.28	ug/l	0.28	0.89	1	8260B		5/30/2013	CJR	l
1,2-Dichlorobenzer		< 0.36	ug/l	0.36	1.2	1	8260B		5/30/2013	CJR	1
Dichlorodifluorome		< 0.44	ug/l	0.44	1.4	1	8260B		5/30/2013	CJR	1
1,2-Dichloroethane	:	< 0.41	ug/l	0.41	1.3	1	8260B		5/30/2013	CJR	1
1,1-Dichloroethane		< 0.3	ug/l	0.3	0.97	1	8260B		5/30/2013	CJR	1
1,1-Dichloroethene		< 0.4	ug/l	0.4	1.3	i	8260B		5/30/2013	CJR	1
cis-1,2-Dichloroeth		< 0.38	ug/l	0.38	1.2	1	8260B		5/30/2013	CJR	1
trans-1,2-Dichloroe		< 0.35	ug/l	0.35	1.1	1	8260B		5/30/2013	CJR	1
1,2-Dichloropropar		< 0.32	ug/l	0.32	1	1	8260B		5/30/2013	CJR	1
2,2-Dichloropropar		< 0.36	ug/l	0.36	1.2	1	8260B		5/30/2013	CJR	1
1,3-Dichloropropar		< 0.33	ug/l	0.33	1	l	8260B		5/30/2013	CJR	1
Di-isopropyl ether		< 0.23	ug/l	0.23	0.73	1	8260B		5/30/2013	CJR	Ī
EDB (1,2-Dibromo	ethane)	< 0.44	ug/l	0.44	1.4	1	8260B		5/30/2013	CJR	1
Ethylbenzene	,	5.8	ug/l	0.55	1.7	l	8260B		5/30/2013	CJR	1
Hexachlorobutadies	ne	< 1.5	ug/l	1.5	4.8	1	8260B		5/30/2013	CJR	1
Isopropylbenzene		1.8	ug/l	0.3	0.96	1	8260B		5/30/2013	CJR	1
p-Isopropyltoluene		< 0.31	ug/l	0.31	0.98	1	8260B		5/30/2013	CJR	1
Methylene chloride	:	< 0.5	ug/l	0.5	1.6	1	8260B		5/30/2013	CJR	1
Methyl tert-butyl et		< 0.23	ug/l	0.23	0.74	1	8260B		5/30/2013	CJR	1
Naphthalene		< 1.7	ug/l	1.7	5.5	ì	8260B		5/30/2013	CJR	1
n-Propylbenzene		1.42	ug/l	0.25	0.81	1	8260B		5/30/2013	CJR	1
1,1,2,2-Tetrachloro	ethane	< 0.45	ug/l	0.45	1.4	1	8260B		5/30/2013	CJR	1
1,1,2,2-Tetrachloro	ethane	< 0.33	ug/l	0.33	1.1	1	8260B		5/30/2013	CJR	1
Tetrachloroethene	cinano	< 0.33	ug/l	0.33	1.1	1	8260B		5/30/2013	CJR	1
Toluene		5.1	ug/l	0.69	2.2	1	8260B		5/30/2013	CJR	Í
1,2,4-Trichlorobenz	en e	< 0.98	ug/l	0.98	3.1	l	8260B		5/30/2013	CJR	1
1,2,3-Trichlorobenz		< 1.8	ug/l	1.8	5.8	j	8260B		5/30/2013	CJR	1
1,1,1-Trichloroetha		< 0.33	ug/l	0.33	1	i	8260B		5/30/2013	CJR	i
		< 0.34	ug/l	0.34	1.1	1	8260B		5/30/2013	CJR	ī
1,1,2-Trichloroetha		< 0.33	ug/l	0.33	1.1	i	8260B		5/30/2013	CJR	1
Trichloroethene (To	•	< 0.7I		0.33	2.3	1	8260B		5/30/2013	CJR	1
Trichlorofluoromet			ug/l	2,2	6.9	l	8260B		5/30/2013	CJR	1
1,2,4-Trimethylben		8.7 1.85 <b>"J</b> "	ug/l ug/l	1.4	4.5	İ	8260B		5/30/2013	CJR	1
1,3,5-Trimethylben	zene	< 0.18		0.18	0.57	1	8260B		5/30/2013	CJR	1
Vinyl Chloride		~ 0.10	ug/l	V.10	0.37	1	0.600 <b>D</b>		5.5012013		-

Project Name DX SERVICE STATION Invoice # E25219

Project #

Lab Code5025219CSample IDMW-11Sample MatrixWaterSample Date5/23/2013

•	Result	Unit	LOD L	OQ I	il	Method	Ext Date	Run Date	Analyst	Code
m&p-Xylene	9.7	ug/l	0.69	2.2	i	8260B		5/30/2013	CJR	1
o-Xylene	8.2	ug/l	0.63	2	1	8260B		5/30/2013	CJR	i
SUR - 1,2-Dichloroethane-d4	97	REC %			1	8260B		5/30/2013	CJR	i
SUR - 4-Bromofluorobenzene	103	REC %			1	8260B		5/30/2013	CJR	1
SUR - Dibromofluoromethane	88	REC %			1	8260B		5/30/2013	CJR	1
SUR - Toluene-d8	103	REC %			1	8260B		5/30/2013	CJR	1
Wet Chemistry										
General										
Nitrite Plus Nitrate	0.83	mg/l	0.1	0.31	1	4500B/F		5/31/2013	CWT	1
Sulfate	16.1	mg/l	3.4	10.6	2	300.0		5/28/2013	CWT	1

Project Name DX SERVICE STATION

Project #

Lab Code5025219DSample IDMW-14Sample MatrixWater

**Sample Date** 5/23/2013

Sample Date	5/23/2013												
		Resu	ult	Unit	LOD	LOQ	D	il	Method	Ext Date	Run Date	Analyst	Code
Inorganic													
-													
Metals					0.00				000 7		6/20/2012	CWT	1
Iron, Dissolved		2.34		mg/l	0.06			1	200.7		5/28/2013	CWT	I [
Lead, Dissolved			< 0.7	ug/L	0.7		.5	I	7421		5/28/2013		
Manganese, Dissolv	ved	496		ug/L	4.8	15	.4	1	200.7		5/28/2013	CWT	1
Organic													
VOC's													
Benzene		370		ug/l	12	38	.5	50	8260B		5/30/2013	CJR	1
Bromobenzene		570	< 16	ug/l	16		50	50	8260B		5/30/2013	CJR	1
Bromodichlorometh	hane		< 18.5	ug/l	18.5		60	50	8260B		5/30/2013	CJR	1
Bromoform			< 17.5	ug/l	17.5		55	50	8260B		5/30/2013	CJR	I
tert-Butylbenzene			< 18	ug/l	18		50	50	8260B		5/30/2013	CJR	1
sec-Butylbenzene		19 "J'		ug/l	16.5	:	50	50	8260B		5/30/2013	CJR	1
n-Butylbenzene		66		ug/l	17.5		55	50	8260B		5/30/2013	CJR	1
Carbon Tetrachlorio	de		< 16.5	ug/l	16.5	;	55	50	8260B		5/30/2013	CJR	1
Chlorobenzene			< 12	ug/l	12	. 38	.5	50	8260B		5/30/2013	CJR	i
Chloroethane			< 31.5	ug/l	31.5	11	00		8260B		5/30/2013	CJR	1
Chloroform			< 14	ug/l	14		14	50	8260B		5/30/2013	CJR	1
Chloromethane			< 40.5	ug/l	40.5		30		8260B		5/30/2013	CJR	1
2-Chlorotoluene			< 10.5	ug/l	10.5		33		8260B		5/30/2013	CJR	1
4-Chlorotoluene			< 10.5	ug/I	10.5		34		8260B		5/30/2013	CJR	1
1,2-Dibromo-3-chlo	propropane		< 44	ug/l	44		10		8260B		5/30/2013	CJR	1
Dibromochlorometl			< 11	ug/l	11		35		8260B		5/30/2013	CJR	1
1,4-Dichlorobenzen			< 15	ug/l	15		48	50			5/30/2013	CJR	1
1,3-Dichlorobenzen			< 14	ug/l	14		.5		8260B		5/30/2013	CJR CJR	1 1
1,2-Dichlorobenzen			< 18	ug/l	18		50	50	8260B 8260B		5/30/2013 5/30/2013	CJR	ľ
Dichlorodifluorome			< 22	ug/l	22		70 65		8260B		5/30/2013	CJR	1
1,2-Dichloroethane			< 20.5	ug/l	20.5 15		.5		8260B	₹	5/30/2013	CJR	1
1,1-Dichloroethane			< 15 < 20	ug/l ug/l	20		 55	50	8260B		5/30/2013	CJR	ī
1,1-Dichloroethene			< 19	ug/l	19		50		8260B		5/30/2013	CJR	1
cis-1,2-Dichloroethe trans-1,2-Dichloroe			< 17.5	ug/l	17.5		55	50	8260B		5/30/2013	CJR	1
1,2-Dichloropropan			< 16	ug/l	16		50		8260B		5/30/2013	CJR	1
2,2-Dichloropropan			< 18	ug/l	18		50	50	8260B		5/30/2013	CJR	1
1,3-Dichloropropan			< 16.5	ug/I	16.5		50	50	8260B		5/30/2013	CJR	i
Di-isopropyl ether			< 11.5	ug/l	11.5			50	8260B		5/30/2013	CJR	1
EDB (1,2-Dibromo	ethane)		< 22	ug/l	22		70	50	8260B		5/30/2013	CJR	1
Ethylbenzene	,	1300		ug/I	27.5	; ;	35	50	8260B		5/30/2013	CJR	i
Hexachlorobutadien	ne		< 75	ug/l	75	2	40	50	8260B		5/30/2013	CJR	1
Isopropylbenzene		88		ug/l	I 5		48		8260B		5/30/2013	CJR	1
p-Isopropyltoluene			< 15.5	ug/l	15.5		49	50	8260B		5/30/2013	CJR	I
Methylene chloride			< 25	ug/l	25		30	50	8260B		5/30/2013	CJR	1
Methyl tert-butyl et	her (MTBE)		< 11.5	ug/l	11.5		37	50	8260B		5/30/2013	CJR	1
Naphthalene		223 ".	J"	ug/l	85		75				5/30/2013	CJR	1
n-Propylbenzene		275	_	ug/l	12.5		.5	50	8260B		5/30/2013	CJR	1
1,1,2,2-Tetrachloroe	ethane		< 22.5	ug/l	22.5		70	50			5/30/2013	CJR	
1,1,1,2-Tetrachloroe	ethane		< 16.5	ug/l	16.5		55	50	8260B		5/30/2013	CJR CJR	1 1
Tetrachloroethene			< 16.5	ug/l	16.5		55	50			5/30/2013 5/30/2013	CJR	ī
Toluene		2760	. 40	ug/l	34.5		10	50	8260B		5/30/2013	CJR	1
1,2,4-Trichlorobenz			< 49	ug/l	49		55		8260B 8260B		5/30/2013	CJR	1
1,2,3-Trichlorobenz			< 90	ug/l	90		90 so		8260B		5/30/2013	CJR	1
1,1,1-Trichloroethan			< 16.5	ug/l	16.5		50 55		8260B		5/30/2013	CJR	1
1,1,2-Trichloroethan			< 17 < 16.5	ug/l	17 16.5		50		8260B		5/30/2013	CJR	1
Trichloroethene (TC	•		< 35.5	ug/l ug/l	35.5		15	50	8260B		5/30/2013	CJR	1
Trichlorofluorometh 1,2,4-Trimethylbenz		1750	~ JJ.J	ug/i ug/l	110		15 15	50	8260B		5/30/2013	CJR	1
1,2,4-1 rimethylbenz		450		ug/l	70		25	50	8260B		5/30/2013	CJR	Ĩ
Vinyl Chloride	CO.IIC	730	< 9	ug/l	9		.5		8260B		5/30/2013	CJR	1
ingi Omondo			•	<del></del>	•								

**Project Name** DX SERVICE STATION **Project** # Invoice # E25219

Lab Code 5025219D Sample ID MW-1 Sample Matrix Water MW-14 Sample Date 5/23/2013

•	Result	Unit	LOD L	OQ E	il	Method	Ext Date	Run Date	Analyst	Code
m&p-Xylene	4200	ug/l	34.5	110	50	8260B		5/30/2013	CJR	ī
o-Xylene	1520	ug/l	31.5	100	50	8260B		5/30/2013	CJR	1
SUR - 4-Bromofluorobenzene	101	REC %			50	8260B		5/30/2013	CJR	1
SUR - Dibromofluoromethane	92	REC %			50	8260B		5/30/2013	CJR	1
SUR - Toluene-d8	101	REC %			50	8260B		5/30/2013	CJR	l
SUR - 1,2-Dichloroethane-d4	97	REC %			50	8260B		5/30/2013	CJR	1
Wet Chemistry										
General										
Nitrite Plus Nitrate	0.27 "J"	mg/l	0.1	0.31	1	4500B/F		5/31/2013	CWT	1
Sulfate	6.97 "J"	mg/l	3.4	10.6	2	300.0		5/28/2013	CWT	1

Project Name DX SERVICE STATION

Project #

Lab Code

5025219E

Sample ID TB Sample Matrix Water Sample Date 5/23/20

5/23/2013

Sample Date 3/23/201		~~		00 700	3.5 (3.3)	277 . 275 .	D D (		G. 1.
	Result	Unit	TOD I	OQ Dil	Method	Ext Date	Run Date	Analyst	Code
Organic									
VOC's									
	-0.04		0.24	0.77 1	926AD		5/29/2013	CJR	1
Benzene	< 0.24	ug/l	0.24		8260B		5/29/2013	CJR	1
Bromobenzene	< 0.32	ug/l	0.32	1 1	8260B				
Bromodichloromethane	< 0.37	ug/l	0.37	1.2 1	8260B		5/29/2013	CJR	1
Bromoform	< 0.35	ug/l	0.35	1.1 1	8260B		5/29/2013	CJR	1
tert-Butylbenzene	< 0.36	ug/l	0.36	1.2 1	8260B		5/29/2013	CJR	1
sec-Butylbenzene	< 0.33	ug/l	0.33	1 1	8260B		5/29/2013	CJR	l
n-Butylbenzene	< 0.35	ug/l	0.35	1.1 1	8260B		5/29/2013	CJR	I
Carbon Tetrachloride	< 0.33	ug/l	0.33	1.1	8260B		5/29/2013	CJR	I
Chlorobenzene	< 0.24	ug/l	0.24	0.77	8260B		5/29/2013	CJR	1
Chloroethane	< 0.63	ug/l	0.63	2 1			5/29/2013	CJR	1
. Chloroform	< 0.28	ug/l	0.28	0.88 1	8260B		5/29/2013	CJR	1
Chloromethane	< 0.81	ug/l	0.81	2.6 1			5/29/2013	CJR	1
2-Chlorotoluene	< 0.21	ug/l	0.21	0.66 1	8260B		5/29/2013	CJR	1
4-Chlorotoluene	< 0.21	ug/l	0.21	0.68 1	8260B		5/29/2013	CJR	1
1,2-Dibromo-3-chloropropane	< 0.88	ug/l	0.88	2.8 1	8260B		5/29/2013	CJR	1
Dibromochloromethane	< 0.22	ug/l	0.22	0.7 1			5/29/2013	CJR	1
1,4-Dichlorobenzene	< 0.3	ug/l	0.3	0.96 1	8260B		5/29/2013	CJR	1
1,3-Dichlorobenzene	< 0.28	ug/l	0.28	0.89 1	8260B		5/29/2013	CJR	1
1,2-Dichlorobenzene	< 0.36	ug/l	0.36	1.2 1	8260B		5/29/2013	CJR	1
Dichlorodifluoromethane	< 0.44	ug/l	0.44	1.4 <b>1</b>	8260B		5/29/2013	CJR	1
1,2-Dichloroethane	< 0.41	ug/l	0.41	1.3 1	8260B		5/29/2013	CJR	I
1,1-Dichloroethane	< 0.3	ug/l	0.3	0.97 1	8260B		5/29/2013	CJR	1
I,1-Dichloroethene	< 0.4	ug/l	0.4	1.3 I	8260B		5/29/2013	CJR	1
cis-1,2-Dichloroethene	< 0.38	ug/l	0.38	1.2	8260B		5/29/2013	CJR	1
trans-1,2-Dichloroethene	< 0.35	ug/l	0.35	1.1 1	8260B		5/29/2013	CJR	1
1,2-Dichloropropane	< 0.32	ug/l	0.32	1 1	8260B		5/29/2013	CJR	l
2,2-Dichloropropane	< 0.36	ug/l	0.36	1.2	8260B		5/29/2013	CJR	1
1,3-Dichloropropane	< 0.33	ug/l	0.33	1 1	8260B		5/29/2013	CJR	1
Di-isopropyl ether	< 0.23	ug/l	0.23	0.73 1	8260B		5/29/2013	CJR	1
EDB (1,2-Dibromoethane)	< 0.44	ug/l	0.44	1.4 1	8260B		5/29/2013	CJR	1
Ethylbenzene	< 0.55	ug/l	0.55	1.7 1	8260B		5/29/2013	CJR	1
Hexachlorobutadiene	< 1.5	ug/l	1.5	4.8 1	8260B		5/29/2013	CJR	1
Isopropylbenzene	< 0.3	ug/l	0.3	0.96 1	8260B		5/29/2013	CJR	1
p-lsopropyltoluene	< 0.31	ug/l	0.31	0.98 1	8260B		5/29/2013	CJR	1
Methylene chloride	< 0.5	ug/l	0.5	1.6 1	8260B		5/29/2013	CJR	1
Methyl tert-butyl ether (MTBE)		ug/l	0.23	0.74 1	8260B		5/29/2013	CJR	1
Naphthalene	< 1.7	ug/l	1.7	5.5 1	8260B		5/29/2013	CJR	1
n-Propylbenzene	< 0.25	ug/l	0.25	0.81	8260B		5/29/2013	CJR	1
1,1,2,2-Tetrachloroethane	< 0.45	ug/l	0.45	1.4 1	8260B		5/29/2013	CJR	1
1,1,1,2-Tetrachloroethane	< 0.33	ug/l	0.33	1.1	8260B		5/29/2013	CJR	1
Tetrachloroethene	< 0.33	ug/l	0.33	1.1	8260B		5/29/2013	CJR	1
Toluene	< 0.69	ug/l	0.69	2.2	8260B		5/29/2013	CJR	1
1,2,4-Trichlorobenzene	< 0.98	ug/l	0.98	3.1 1	8260B		5/29/2013	CJR	1
1,2,3-Trichlorobenzene	< 1.8	ug/l	1.8	5.8 1	8260B		5/29/2013	CJR	ì
	< 0.33		0.33	1 1			5/29/2013	CJR	1
1,1,1-Trichloroethane	< 0.34	ug/l	0.34	1.1 1	8260B		5/29/2013	CJR	ì
1,1,2-Trichloroethane	< 0.33	ug/l	0.34	1.1 1	8260B		5/29/2013	CJR	1
Trichloroethene (TCE)		ug/l		2.3 1	8260B		5/29/2013	CJR	1
Trichlorofluoromethane	< 0.71	ug/l	0.71	6.9	8260B		5/29/2013	CJR	1
1,2,4-Trimethylbenzene	< 2.2	ug/l	2.2				5/29/2013	CJR	·
1,3,5-Trimethylbenzene	< 1.4	ug/l	1.4	4.5 1	8260B				1
Vinyl Chloride	< 0.18	ug/l	0.18	0.57 1	8260B		5/29/2013	CJR	1
m&p-Xylene	< 0.69	ug/l	0.69	2.2	8260B		5/29/2013	CJR	1
o-Xylene	< 0.63	ug/l	0.63	2 1	8260B		5/29/2013	CJR	1
SUR - Toluene-d8	101	REC %		1	8260B		5/29/2013	CJR	1
SUR - 1,2-Dichloroethane-d4	95	REC %		I .	8260B		5/29/2013	CJR	1
SUR - 4-Bromofluorobenzene	101	REC %		l .	8260B		5/29/2013	CJR	Į 1
SUR - Dibromofluoromethane	91	REC %		I	8260B		5/29/2013	CJR	1

Project Name DX SERVICE STATION Invoice # E25219
Project #

"J" Flag: Analyte detected between LOD and LOQ

LOD Limit of Detection

LOQ Limit of Quantitation

Code Comment

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 & CUSTODY RECORD

Lab I.D.#

# Synergy

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Chain #	Nº	(	63
Page	∠ of	1	:

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

MARCELLA DAMASCHKE MARCELLA DAMASCHKE 1210 ROBIN HOOD WATERFORD, WI 53185

Report Date 06-Sep-13

Project Name Project #	DX SERVIC	E STATION				Inve	pice # E256	68	•	
Lab Code Sample ID Sample Matrix Sample Date	5025668A MW-12 Water 8/26/2013									
		Result	Unit	LOD L	OQ Dil	Method	Ext Date	Run Date	Analyst	Code
Organic		-								
PVOC + Napl	nthalene									
Benzene Ethylbenzene Methyl tert-butyl e Naphthalene Toluene 1,2,4-Trimethylber 1,3,5-Trimethylber m&p-Xylene o-Xylene Lab Code Sample ID Sample Matrix Sample Date	sther (MTBE)  nzene  5025668B  MW-13	< 0.24 < 0.55 < 0.23 < 1.7 < 0.69 < 2.2 < 1.4 < 0.69 < 0.63	ug/l ug/l ug/l ug/l ug/l ug/l ug/l ug/l	0.24 0.55 0.23 1.7 0.69 2.2 1.4 0.69 0.63	0.77	8260B 8260B 8260B 8260B 8260B 8260B		9/4/2013 9/4/2013 9/4/2013 9/4/2013 9/4/2013 9/4/2013 9/4/2013 9/4/2013	CJR CJR CJR CJR CJR CJR CJR CJR CJR CJR	1 1 1 1 1 1 1
		Result	Unit	LOD L	OQ Dil	Method	Ext Date	Run Date	Analyst	Code
Organic PVOC + Naph	thalene									
Benzene Ethylbenzene Methyl tert-butyl et Naphthalene Toluene 1,2,4-Trimethylben 1,3,5-Trimethylben m&p-Xylene o-Xylene	zene	< 0.24 < 0.55 < 0.23 < 1.7 < 0.69 < 2.2 < 1.4 < 0.69 < 0.63	ug/l ug/l ug/l ug/l ug/l ug/l ug/l ug/l	0.24 0.55 0.23 1.7 0.69 2.2 1.4 0.69 0.63	0.77 1 1.7 1 0.74 1 5.5 1 2.2 1 6.9 1 4.5 1 2.2 1	8260B 8260B 8260B 8260B 8260B 8260B 8260B 8260B 8260B		9/4/2013 9/4/2013 9/4/2013 9/4/2013 9/4/2013 9/4/2013 9/4/2013 9/4/2013	CJR CJR CJR CJR CJR CJR CJR CJR CJR CJR	1 1 1 1 1 1 1 1

Invoice # E25668 **Project Name** DX SERVICE STATION Project # Lab Code 5025668C Sample ID MW-11 Sample Matrix Water Sample Date 8/26/2013 Ext Date Run Date Analyst Code Unit LOD LOQ Dil Method Result Organic PVOC + Naphthalene 0.77 8260B 9/4/2013 CJR 0.32 "J" 0.24 ľ ug/l Benzene CJR 9/4/2013 < 0.55 ug/l 0.55 1.7 1 8260B Ethylbenzene 8260B 9/4/2013 CJR 0.23 0.74 1 < 0.23 ug/l Methyl tert-butyl ether (MTBE) 9/4/2013 CJR 5.5 I 8260B < 1.7 ug/l 1.7 Naphthalene 8260B 9/4/2013 CJR 0.69 2.2 1 < 0.69 ug/I Toluene 9/4/2013 CJR 2.2 6.9 1 8260B < 2.2 ug/l 1,2,4-Trimethylbenzene 9/4/2013 СJR 8260B 1.4 4.5 1 1,3,5-Trimethylbenzene < 1.4 ug/l CJR 0.69 2.2 1 8260B 9/4/2013 < 0.69 ug/l m&p-Xylene 9/4/2013 CJR 8260B 2 1 o-Xylene < 0.63 ug/l 0.63 Lab Code 5025668D MW-14 Sample ID Sample Matrix Water Sample Date 8/26/2013 Ext Date Run Date Analyst Code LOD LOQ Dil Method Result Unit Organic PVOC + Naphthalene 9/6/2013 CJR 38.5 50 8260B 182 ug/l 12 Benzene CJR 27.5 85 50 8260B 9/6/2013 ug/l Ethylbenzene 280 9/6/2013 CJR 8260B 50 Methyl tert-butyl ether (MTBE) < 11.5 ug/l 11.5 37 CJR 275 50 8260B 9/6/2013 < 85 85 ug/l Naphthalene 9/6/2013 CJR 8260B 570 ug/l 34.5 110 50 Toluene 9/6/2013 CJR 50 8260B 330 "J" ug/l 110 345 1,2,4-Trimethylbenzene 9/6/2013 CJR 225 50 8260B 70 92 "J" ug/[ 1.3,5-Trimethylbenzene CJR 9/6/2013 34.5 110 50 8260B 680 ug/l m&p-Xylene 9/6/2013 CJR 8260B o-Xylene 31.5 100 50 239 ug/l Lab Code 5025668E TB Sample ID Sample Matrix Water Sample Date 8/26/2013 LOD LOQ Dil Method Ext Date Run Date Analyst Code Unit Result Organic PVOC + Naphthalene 9/4/2013 CJR 0.77 8260B

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Benzene

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Naphthalene

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Project Name DX SERVICE STATION Invoice # E25668

Project #

"J" Flag: Analyte detected between LOD and LOQ

LOD Limit of Detection

LOQ Limit of Quantitation

Code Comment

1 Laboratory QC within limits.

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

**Authorized Signature** 

Michael Ricker

### CHAIN O. CUSTODY RECORD

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Received in Laboratory By:

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

MARCELLA DAMASCHKE MARCELLA DAMASCHKE 1210 ROBIN HOOD WATERFORD, WI 53185

Report Date 27-Feb-14

Project Name Project #	DX SERVIC	E STATION					Invo	ice# E265	42		
Lab Code Sample ID Sample Matrix Sample Date	5026542A MW-12 Water 2/17/2014										
		Result	Unit	LOD L	OQ D	il	Method	Ext Date	Run Date	Analyst	Code
Organic											
PVOC + Naph	thalene										
Benzene Ethylbenzene Methyl tert-butyl et Naphthalene Toluene 1,2,4-Trimethylben 1,3,5-Trimethylben m&p-Xylene o-Xylene Lab Code Sample ID	zene zene 5026542B MW-13	< 0.27 < 0.82 < 0.37 < 1.2 < 0.8 < 0.83 < 0.86 < 1.6 < 0.81	ug/l ug/l ug/l ug/l ug/l ug/l ug/l ug/l	0.27 0.82 0.37 1.2 0.8 0.83 0.86 1.6 0.81	0.85 2.6 1.2 3.8 2.6 2.6 2.7 5.2 2.6	1 1 1 1 1 1 1	GRO95/8021 GRO95/8021 GRO95/8021 GRO95/8021 GRO95/8021 GRO95/8021 GRO95/8021 GRO95/8021		2/26/2014 2/26/2014 2/26/2014 2/26/2014 2/26/2014 2/26/2014 2/26/2014 2/26/2014	CJR CJR CJR CJR CJR CJR CJR CJR CJR	1 1 1 1 1 1 1
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Sample Date	2/17/2014	Υ)14	TT14	LODI	00 B	••	3.5 (1. 1	<b>5</b> . <b>5</b> .	<b>.</b>		
Organic PVOC + Napht	halene	Result	Unit	LOD L	og n	Il	Method	Ext Date	Run Date	Analyst	Code
Benzene Ethylbenzene Methyl tert-butyl etl Naphthalene Toluene 1,2,4-Trimethylbenz 1,3,5-Trimethylbenz m&p-Xylene o-Xylene	ene	< 0.27 < 0.82 < 0.37 < 1.2 < 0.8 < 0.83 < 0.86 < 1.6 < 0.81	ug/l ug/l ug/l ug/l ug/l ug/l ug/l	0.27 0.82 0.37 1.2 0.8 0.83 0.86 1.6	0.85 2.6 1.2 3.8 2.6 2.6 2.7 5.2 2.6	] 1 1 1 1 1 1 1	GRO95/8021 GRO95/8021 GRO95/8021 GRO95/8021 GRO95/8021 GRO95/8021 GRO95/8021 GRO95/8021 GRO95/8021		2/26/2014 2/26/2014 2/26/2014 2/26/2014 2/26/2014 2/26/2014 2/26/2014 2/26/2014 2/26/2014	CJR CJR CJR CJR CJR CJR CJR CJR CJR CJR	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1

Project Name DX SERVICE STATION Project # Lab Code 5026542C MW-11 Sample ID Sample Matrix Water 2/17/2014 Sample Date Method Ext Date Run Date Analyst Code Unit LOD LOQ Dil Result Organic PVOC + Naphthalene CJR 2/26/2014 1 0.85 GRO95/8021 < 0.27 ug/l 0.27 1 Benzene GRO95/8021 2/26/2014 CJR 1 Ethylbenzene 0.82 2.6 1 < 0.82 ug/l GRO95/8021 2/26/2014 CJR 1 < 0.37 ug/I 0.37 1.2 1 Methyl tert-butyl ether (MTBE) GRO95/8021 2/26/2014 CJR 1 ug/l < 1.2 1.2 3.8 1 Naphthalene GRO95/8021 2/26/2014 CJR 1 0.8 2.6 1 ug/l Toluene < 0.82/26/2014 GRO95/8021 CJR 1 1,2,4-Trimethylbenzene < 0.83 0.83 2.6 1 ug/l GRO95/8021 2/26/2014 CJR 1 0.86 2.7 1 1,3,5-Trimethylbenzene < 0.86 ug/l GRO95/8021 CJR 2/26/2014 Ī 1.6 5.2 1 m&p-Xylene < 1.6 ug/l 2.6 Ī GRO95/8021 2/26/2014 CJR 1 0.81 o-Xylene < 0.81 ug/l Lab Code 5026542D Sample ID MW-14 Sample Matrix Water Sample Date 2/17/2014 Ext Date Run Date Analyst Code LOD LOQ Dil Method Unit Result Organic PVOC + Naphthalene 2/27/2014 CJR 10 GRO95/8021 2.7 8.5 61 ug/l Benzene CJR 10 GRO95/8021 2/27/2014 1 ug/l 8.2 26 90 Ethylbenzene 3.7 CJR 12 10 GRO95/8021 2/27/2014 < 3.7 ug/l Methyl tert-butyl ether (MTBE) CJR GRO95/8021 2/27/2014 1 12 38 10 ug/l Naphthalene 61 2/27/2014 CJR GRO95/8021 8 26 10 44 ug/l Toluene 2/27/2014 CJR ug/l 8.3 26 10 GRO95/8021 Ī 1,2,4-Trimethylbenzene 86 GRO95/8021 2/27/2014 CJR 27 24.8 "J" 8.6 10 1,3,5-Trimethylbenzene ug/l 2/27/2014 CJR GRO95/8021 ì 16 52 10 150 ug/l m&p-Xylene GRO95/8021 2/27/2014 CJR 1 8.1 26 10 31.6 ug/l o-Xylene Lab Code 5026542E Sample ID TB Sample Matrix Water 2/17/2014 Sample Date Ext Date Run Date Analyst Code Unit LOD LOQ Dil Method Result Organic PVOC + Naphthalene CJR GRO95/8021 2/26/2014 1 ug/l 0.270.85 1 < 0.27 Benzene CJR GRO95/8021 2/26/2014 Ŧ 0.82 2.6 1 Ethylbenzene < 0.82 ug/l GRO95/8021 2/26/2014 CJR ug/l 0.37 1.2 1 Methyl tert-butyl ether (MTBE) < 0.37 GRO95/8021 2/26/2014 CJR ļ < 1.2 1.2 3.8 1 ug/l Naphthalene GRO95/8021 2/26/2014 CJR 1 8.0 2.6 1 ug/i Toluene < 0.8 GRO95/8021

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Project Name DX SERVICE STATION Invoice # E26542

Project #

"J" Flag: Analyte detected between LOD and LOQ

LOD Limit of Detection

LOQ Limit of Quantitation

Code

Comment

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 ( STODY RECORD

# Synergy

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Project (Name / Loc	ation):	> <u>x</u>	Ser	vice	<i>-</i> 57	Atron	< - \	Nor.	walk		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,				Д	naly	sis	Req	Jest	ed	***********	5 (9) (20) (12.29				Ot	her A	nalys	is
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# Synergy Environmental Lab, 1990 Prospect Ct., Appleton, WI 54914 \*P 920-830-2455 \* F 920-733-0631

MARCELLA DAMASCHKE MARCELLA DAMASCHKE 1210 ROBIN HOOD WATERFORD, WI 53185

Report Date 30-May-14

Project Name   Project #	DX SERVIC	E STATION					Invoi	ce# E2703	32		
Lab Code Sample ID Sample Matrix Sample Date	5027032A MW-12 Water 5/21/2014										
•		Result	Unit	LOD L	OQ Di	il	Method	Ext Date	Run Date	Analyst	Code
Organic PVOC + Naph Benzene Ethylbenzene Methyl tert-butyl et Naphthalene Toluene 1,2,4-Trimethylben 1,3,5-Trimethylben m&p-Xylene o-Xylene	her (MTBE) zene	<0.27 <0.82 <0.37 <1.2 <0.8 <0.83 <0.86 <1.6 <0.81	ug/l ug/l ug/l ug/l ug/l ug/l ug/l ug/l	0.27 0.82 0.37 1.2 0.8 0.83 0.86 1.6	0.85 2.6 1.2 3.8 2.6 2.6 2.7 5.2 2.6	1 1 1 1 1 1 1	GRO95/8021 GRO95/8021 GRO95/8021 GRO95/8021 GRO95/8021 GRO95/8021 GRO95/8021 GRO95/8021 GRO95/8021		5/29/2014 5/29/2014 5/29/2014 5/29/2014 5/29/2014 5/29/2014 5/29/2014 5/29/2014	CJR CJR CJR CJR CJR CJR CJR CJR	1 1 1 1 1 1 1 1
Lab Code Sample ID Sample Matrix Sample Date	5027032B MW-13 Water 5/21/2014	Result	Unit	LOD L	OQ Di	il	Method	Ext Date	Run Date	Analyst	Code
Organic PVOC + Naphi	thalene				•					·	
Benzene Ethylbenzene Methyl tert-butyl et Naphthalene Toluene 1,2,4-Trimethylbenz 1,3,5-Trimethylbenz m&p-Xylene o-Xylene	her (MTBE) zene	<0.27 <0.82 <0.37 <1.2 <0.8 <0.83 <0.86 <1.6 <0.81	ug/l ug/l ug/l ug/l ug/l ug/l ug/l ug/l	0.27 0.82 0.37 1.2 0.8 0.83 0.86 1.6 0.81	0.85 2.6 1.2 3.8 2.6 2.6 2.7 5.2 2.6	1 1 1 1 1 1 1 1	GRO95/8021 GRO95/8021 GRO95/8021 GRO95/8021 GRO95/8021 GRO95/8021 GRO95/8021 GRO95/8021 GRO95/8021		5/29/2014 5/29/2014 5/29/2014 5/29/2014 5/29/2014 5/29/2014 5/29/2014 5/29/2014	CJR CJR CJR CJR CJR CJR CJR CJR CJR CJR	1 1 1 1 1 1 1

Project #	DA BEKVIC	ESTATION				2				
Lab Code Sample ID Sample Matrix Sample Date	5027032C MW-11 Water 5/21/2014	Result	Unit	LOD L	OQ Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naph	thalene									
Benzene		2.01	ug/l	0.27	0.85	GRO95/8021		5/29/2014	CJR	1
Ethylbenzene		7.7	ug/l	0.82	2.6 1	GRO95/8021		5/29/2014 5/29/2014	CJR CJR	! 1
Methyl tert-butyl e	ther (MTBE)	< 0.37 < 1.2	ug/l	0.37 1.2	1.2 f 3.8 1	GRO95/8021 GRO95/8021		5/29/2014	CJR	1
Naphthalene Toluene		4.3	ug/l ug/l	0.8	2.6	GRO95/8021		5/29/2014	CJR	i
1,2,4-Trimethylben	zene	8.1	ug/l	0.83	2.6 I	GRO95/8021		5/29/2014	CJR	I
1,3,5-Trimethylber		< 0.86	ug/l	0.86	2.7 1	GRO95/8021		5/29/2014	CJR	1
m&p-Xylene		7.3	ug/l	1.6	5.2	GRO95/8021		5/29/2014	CJR CJR	] [
o-Xylene		5.3	ug/l	18.0	2.6 1	GRO95/8021		5/29/2014	CJK	ι
Lab Code	5027032D									
Sample ID	MW-14									
Sample Matrix	Water									
Sample Date	5/21/2014									
		Result	Unit	LOD L	OQ Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naph	thalene									
Benzene		188	ug/l	2.7		GRO95/8021		5/30/2014	CJR	1 1
Ethylbenzene	t (AMPDE)	350 < 3.7	ug/l	8.2 3.7	26 10 12 10			5/30/2014 5/30/2014	CJR CJR	ı l
Methyl tert-butyl et Naphthalene	ner (MIBE)	61	ug/l ug/l	12		GRO95/8021		5/30/2014	CJR	i
Toluene		620	ug/l	8	26 10			5/30/2014	CJR	1
1,2,4-Trimethylben	zene	410	ug/l	8.3	26 10			5/30/2014	CJR	l
1,3,5-Trimethylben	zene	120	ug/l	8.6		GRO95/8021		5/30/2014 5/30/2014	CJR CJR	I 1
m&p-Xylene		950 260	ug/l ug/l	16 8.1	52 10 26 10	GRO95/8021 GRO95/8021		5/30/2014	CJR	1
o-Xylene		200	ug/1	0.1	20 10	0.003370027				
Lab Code	5027032E									
Sample ID	TB									
Sample Matrix										
Sample Date	5/21/2014		~~	100 1	00 D''	D 6 41 1	₽-4 D.4-	D D.4.	A malinat	Codo
		Result	Unit	LOD L	og bu	Method	Ext Date	Run Date	Anaryst	Coue
Organic										
PVOC + Naph	thalene			0.55	0.05	CD OOS (000)		5/29/2014	CJR	1
Benzene		< 0.27 < 0.82	ug/l ug/l	0.27 0.82	0.85 1 2.6 I	GRO95/8021 GRO95/8021		5/29/2014	CJR	1
Ethylbenzene Methyl tert-butyl et	her (MTRE)	< 0.82	ug/i ug/l	0.82	1.2	GRO95/8021		5/29/2014	CJR	1
Naphthalene	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	< 1.2	ug/l	1.2	3.8	GRO95/8021		5/29/2014	CJR	1
Toluene		< 0.8	ug/l	0.8	2.6	GRO95/8021		5/29/2014	CJR	Ţ
1,2,4-Trimethylben		< 0.83	ug/l	0.83	2.6 I	GRO95/8021		5/29/2014 5/29/2014	CJR CJR	l 1
1,3,5-Trimethylben	zene	< 0.86 < 1.6	ug/l ug/l	0.86 1.6	2.7 1 5.2 1	GRO95/8021 GRO95/8021		5/29/2014	CJR	1
IDOXD-A VICIL		~ 1.0	ugii	1.0	. ا					

< I.6

< 0.81

m&p-Xylene

o-Xylene

ug/l ug/l

18.0

Project Name DX SERVICE STATION

CJR

5/29/2014 5/29/2014

1

5.2

2.6

I GRO95/8021

Project Name DX SERVICE STATION Invoice # E27032

Project #

"J" Flag: Analyte detected between LOD and LOQ

1

LOD Limit of Detection

LOQ Limit of Quantitation

Code Comment

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 ( )TODY RECORD

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Lab LD.#			1987 T. 1842 Historica (1841				:				, t.				<b>y</b> -	P	age	/	_ 0	1_/				
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Project #:			——————————————————————————————————————		······································	<del>,,,</del> 1	1990	Prospect G	t. • Appleton,	WI 5	491	4				(Ru						Requestion as		zation)
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Eab LD.	Sample I.D.	1	ection Time	Comp	Grab	Filtered Y/N	No: of Containers	Sample Type (Matrix)*	Preservation	DRO (Mod DRO	EAD	MITRATE/NITRITE	OIL & GREASE	PVOC (#	PVOC + NAPHTHALE	SULFATE	VOC DW (EPA	VOC (E)	8-RCRA METAL	t there is the Polytography N.S. and Address		The second secon		:
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Concession south	act upon receipt:_	Charles data	digital (miii)	184 (65.8)		eived in L	aboratory By:	1	70					<del>-</del>	ationis extens	Fir	ne:			participal & traction of constitutions	1	Date:		war was promoted the back to religion

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

MICHAEL LARSON MICHAEL LARSON 308 MAIN STREET NORWALK, WI 54648

Report Date 17-Aug-15

Project Name Project #	DX SERVIC	E STATION				Invoi	ce# E2943	37		
Lab Code Sample ID Sample Matrix Sample Date	5029437A MW-12 Water 8/10/2015	Result	Unit	LOD LO	OQ Dil	Method	Ext Date	Run Date	Analyst	Code
Organic PVOC + Naph Benzene Ethylbenzene Methyl tent-butyl et Naphthalene Toluene 1,2,4-Trimethylben 1,3,5-Trimethylben m&p-Xylene o-Xylene	ther (MTBE) zene	< 0.46 < 0.73 < 0.49 < 2.6 < 0.39 < 0.68 < 0.83 < 1.4 < 0.66	ug/l ug/l ug/l ug/l ug/l ug/l ug/l ug/l	0.46 0.73 0.49 2.6 0.39 0.68 0.83 1.4	1.5 I 2.3 I 1.6 I 8.3 I 1.2 I 2.2 I 2.6 I 4.4 I 2.1 I	GRO95/8021 GRO95/8021 GRO95/8021 GRO95/8021 GRO95/8021 GRO95/8021 GRO95/8021 GRO95/8021 GRO95/8021		8/14/2015 8/14/2015 8/14/2015 8/14/2015 8/14/2015 8/14/2015 8/14/2015 8/14/2015	CJR CJR CJR CJR CJR CJR CJR CJR CJR	1 1 1 1 1 1
Lab Code Sample ID Sample Matrix Sample Date	5029437B MW-13 Water 8/10/2015	Result	Unit	LOD LO	OQ Dil	Method	Ext Date	Run Date	Analyst	Code
Organic PVOC + Naph Benzene Ethylbenzene Methyl tert-butyl et Naphthalene Toluene 1,2,4-Trimethylben m&p-Xylenc o-Xylene	ther (MTBE) zene	< 0.46 < 0.73 < 0.49 < 2.6 < 0.39 < 0.68 < 0.83 < 1.4 < 0.66	ug/l ug/l ug/l ug/l ug/l ug/l ug/l ug/l	0.46 0.73 0.49 2.6 0.39 0.68 0.83 1.4 0.66	1.5   1 2.3   1 1.6   1 8.3   1 1.2   1 2.2   1 2.6   1 4.4   1 2.1   1	GRO95/8021 GRO95/8021 GRO95/8021 GRO95/8021 GRO95/8021 GRO95/8021 GRO95/8021 GRO95/8021 GRO95/8021		8/14/2015 8/14/2015 8/14/2015 8/14/2015 8/14/2015 8/14/2015 8/14/2015 8/14/2015	CJR CJR CJR CJR CJR CJR CJR CJR CJR	]               

Project #											
Lab Code Sample ID	5029437C MW-11										
Sample Matrix											
Sample Date	8/10/2015							_			~ .
•		Result	Unit	LOD 1	LOQ D	il	Method	Ext Date	Run Date	Analyst	Code
Organic PVOC + Naph	thalene										
Benzene		< 0.46	ug/l	0.46	1.5	I	GRO95/8021		8/14/2015 8/14/2015	CJR CJR	l I
Ethylbenzene	L/MTDE	< 0.73 < 0.49	ug/l ug/l	0.73 0.49	2.3 1.6	1	GRO95/8021 GRO95/8021		8/14/2015	CJR	j
Methyl ten-butyl et Naphthalene	ner (Wilbe)	< 2.6	ug/l	2.6	8.3	Ī	GRO95/8021		8/14/2015	CJR	!
Toluene		< 0.39	ug/l	0.39	1.2	1	GRO95/8021		8/14/2015 8/14/2015	CJR CJR	1 1
1,2,4-Trimethylben		< 0.68 < 0.83	ug/l ug/l	0.68 0.83	2.2 2.6	l ŧ	GRO95/8021 GRO95/8021		8/14/2015	CJR	į
1,3,5-Trimethylben m&p-Xylene	zene	< 1.4	ug/l	1.4	4.4	Ì	GRO95/8021		8/14/2015	CJR	1
o-Xylene		< 0.66	ug/l	0.66	2.1	[	GRO95/8021		8/14/2015	CJR	i
Lab Code	5029437D										
Sample ID	MW-14										
Sample Matrix	Water										
Sample Date	8/10/2015							E ( D. 4.	Dun Data	A no luct	Codo
		Result	Unit	TOD 1	LOQ D	il	Method	Ext Date	Run Date	Allaryst	Code
Organic PVOC + Naph	thalene						GD 005/0001		8/13/2015	CID	1
Benzene		213	ug/l	4.6 7.3	[5 23	10			8/13/2015	CJR CJR	i
Ethylbenzene Methyl tert-butyl et	her (MTRF)	247 < 4.9	ug/l ug/l	4.9	16	10			8/13/2015	CJR	J
Naphthalene	ner (wit be)	ייניי 33 יי"	ug/l	26	83	10			8/13/2015	CJR	1
Toluene		420	ug/l	3.9	12	10			8/13/2015 8/13/2015	CJR CJR	1
1,2,4-Trimethylben		224 66	ug/l ug/l	6.8 8.3	22 26	10			8/13/2015	CJR	ĺ
1,3,5-Trimethylben m&p-Xylene	zenc	680	ug/l	14	44	10			18/13/2015	CJR	1
o-Xylene		147	ug/l	6.6	21	10	GRO95/8021		8/13/2015	CJR	Į
Lab Code Sample ID	5029437E TB										
Sample Matrix	Water										
Sample Date	8/10/2015		•••	ron I		.,	Mathad	Ext Data	Run Date	Analyet	Code
		Result	Unit	LOD	LOQ D	11	Method	EXI Date	Kun Date	Anaiyst	Couc
Organic											
PVOC + Naph	thatene	< 0.46	ug/l	0.46	1.5	ì	GRO95-8021		8/12/2015	CJR	i
Benzene Ethylbenzene		< 0.73	ug/l	0.73	2.3	i	GRO95/8021		8/12/2015	CJR	!
Methyl tert-butyl et	her (MTBE)	< (),49	ug/l	0.49	1.6	l ,	GRO95:8021		8/12/2015 8/12/2015	CJR CJR	1
Naphthalene		< 2.6 < 0.39	иg/l ug/l	2.6 0.39	8.3 1.2	1	GRO95/8021 GRO95/8021		8/12/2015	CJR	i
Toluene 1,2,4-Trimethylben	zene	< 0.39 < 0.68	иgл иg/1	0.53	2.2	i	GRO95/8021		8/12/2015	CJR	I
1,3,5-Trimethylben		< 0.83	ug/l	0.83	2.6	I	GRO95/8021		8/12/2015	CJR	i
m&p-Xylene		< 1.4	ug/l	1.4	4.4 2.1	I I	GRO95/8021 GRO95/8021		8/12/2015 8/12/2015	CJR CJR	i i
o-Xylenc		< 0.66	ug/l	0.66	۵.۱	'	GRQ 7.8 0021		U		

Project Name DX SERVICE STATION

Project Name

DX SERVICE STATION

Project #

"J" Flag: Analyte detected between LOD and LOQ

D and LOQ LOD Limit of Detection

LOQ Limit of Quantitation

E29437

Invoice #

Code

1

Comment

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 JSTODY RECO

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Lab LD. Sample I.D.	Collection Date Time	Comp Grab	Filtered Y/N +	No. of Containers	Sample Type (Matrix)*	Preservation	DHO (Mod [	GRO (Mor	MITATENITAITE	OIL & GRI	PAH (EPA 8270) PCB	PVOC (EPA 8021)	PVOC + NAPHTHALENE	SULFATE	O AL SUSPENDED S	VOC (FP)	ž					F
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Time: 8000

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

MIKE LARSON MICHAEL LARSON 308 MAIN STREET NORWALK, WI 54648

Report Date 20-Nov-15

Project Name Project #	DX SERVIC	E STATION				Invoi	ce# E3004	11		
Lab Code Sample ID Sample Matrix Sample Date	5030041A MW-12 Water 11/12/2015	Result	Unit	LOD LO	OQ Dil	Method	Ext Date	Run Date	Analyst	Code
Organic PVOC + Naph Benzene Ethylbenzene Methyl tert-butyl er Naphthalene Toluene 1,2,4-Trimethylben 1,3,5-Trimethylben m&p-Xylene o-Xylene	ther (MTBE) zene	< 0.46 < 0.73 < 0.49 < 2.6 < 0.39 < 0.68 < 0.83 < 1.4 < 0.66	ug/1 ug/1 ug/1 ug/1 ug/1 ug/1 ug/1 ug/1	0.46 0.73 0.49 2.6 0.39 0.68 0.83 1.4 0.66	1.5 I 2.3 I 1.6 I 8.3 I 1.2 I 2.2 I 2.6 I 4.4 I 2.1 I	GRO95/8021 GRO95/8021 GRO95/8021 GRO95/8021 GRO95/8021 GRO95/8021 GRO95/8021 GRO95/8021 GRO95/8021		11/20/2015 11/20/2015 11/20/2015 11/20/2015 11/20/2015 11/20/2015 11/20/2015 11/20/2015	CJR CJR CJR CJR CJR CJR CJR CJR CJR	   !   !   !   !
Lab Code Sample ID Sample Matrix Sample Date	5030041B MW-13 Water 11/12/2015	Result	Unit	LOD LO	DQ Dil	Method	Ext Date	Run Date	Analyst	Code
Organic PVOC + Naph Benzene Ethylbenzene Methyl tert-butyl et Naphthalene Toluene 1.2,4-Trimethylben 1.3,5-Trimethylben m&p-Xylene o-Xylene	her (MTBE) zene	< 0.46 < 0.73 < 0.49 < 2.6 < 0.39 < 0.68 < 0.83 < 1.4 < 0.66	ug/l ug/l ug/l ug/l ug/l ug/l ug/l ug/l	0.46 0.73 0.49 2.6 0.39 0.68 0.83 1.4 0.66	1.5 l 2.3 l 1.6 l 8.3 l 1.2 l 2.2 l 2.6 l 4.4 l 2.1 l	GRO95/8021 GRO95/8021 GRO95/8021 GRO95/8021 GRO95/8021 GRO95/8021 GRO95/8021 GRO95/8021 GRO95/8021		11/20/2015 11/20/2015 11/20/2015 11/20/2015 11/20/2015 11/20/2015 11/20/2015 11/20/2015 11/20/2015	CJR CJR CJR CJR CJR CJR CJR CJR CJR CJR	 

Project Name       Project #	OX SERVIC	E STATION				Invoi	ce # E3004	41	
Lab Code Sample ID Sample Matrix Sample Date	5030041C MW-11 Water 11/12/2015	Result	Unit	LOD LO	OQ Dil	Method	Ext Date	Run Date Analyst	Code
Organic PVOC + Naph Benzene Ethylbenzene Methyl ten-butyl et Naphthalene Toluene 1,2,4-Trimethylben m&p-Xylene o-Xylene	her (MTBE) zene	< 0.46 < 0.73 < 0.49 < 2.6 < 0.39 < 0.68 < 0.83 < 1.4 < 0.66	ug/l ug/l ug/l ug/l ug/l ug/l ug/l ug/l	0.46 0.73 0.49 2.6 0.39 0.68 0.83 1.4 0.66	1.5	GRO95/8021 GRO95/8021 GRO95/8021 GRO95/8021 GRO95/8021 GRO95/8021 GRO95/8021 GRO95/8021 GRO95/8021		11/20/2015 CJR 11/20/2015 CJR 11/20/2015 CJR 11/20/2015 CJR 11/20/2015 CJR 11/20/2015 CJR 11/20/2015 CJR 11/20/2015 CJR 11/20/2015 CJR 11/20/2015 CJR	 
Lab Code Sample ID Sample Matrix Sample Date	5030041D MW-14 Water 11/12/2015	Result	Unit	LOD LO	OQ Dil	Method	Ext Date	Run Date Analyst	Code
Organic PVOC + Naph Benzene Ethylbenzene Methyl tert-butyl et Naphthalene Toluene 1,2,4-Trimethylben: m&p-Xylene o-Xylene	her (MTBE) zene	233 264 < 0.49 35 440 320 106 810 235	ug/l ug/l ug/l ug/l ug/l ug/l ug/l ug/l	0.46 0.73 0.49 2.6 0.39 0.68 0.83 i.4 0.66	1.5   1 2.3   1 1.6   1 8.3   1 1.2   1 2.2   1 2.6   1 4.4   1 2.1   1	GRO95/8021 GRO95/8021 GRO95/8021 GRO95/8021 GRO95/8021 GRO95/8021 GRO95/8021 GRO95/8021 GRO95/8021		11/20/2015 CJR 11/20/2015 CJR 11/20/2015 CJR 11/20/2015 CJR 11/20/2015 CJR 11/20/2015 CJR 11/20/2015 CJR 11/20/2015 CJR 11/20/2015 CJR	] ]             
Lab Code Sample ID Sample Matrix Sample Date	5030041E TB Water 11/12/2015	Result	Unit	LOD LO	OQ Dil	Method	Ext Date	Run Date Analyst	Code
Organic PVOC + Naphu Benzene Ethylbenzene Methyl tert-hutyl et Naphthalene Toluene 1,2,4-Trimethylben: 1,3,5-Trimethylben: m&p-Xylene o-Xylene	her (MTBE) zene	< 0.46 < 0.73 < 0.49 < 2.6 < 0.39 < 0.68 < 0.83 < 1.4	ug/l ug/l ug/l ug/l ug/l ug/l ug/l ug/l	0.46 0.73 0.49 2.6 0.39 0.68 0.83 1.4 0.66	1.5 I 2.3 I 1.6 I 8.3 I 1.2 I 2.2 I 2.6 I 4.4 I 2.1 I	GRO95/8021 GRO95/8021 GRO95/8021 GRO95/8021 GRO95/8021 GRO95/8021 GRO95/8021 GRO95/8021 GRO95/8021		11/20/2015	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1

**Project Name** DX SERVICE STATION **Project #** 

VICE STATION Invoice # E30041

LOQ Limit of Quantitation

Code Comment

"J" Flag: Analyte detected between LOD and LOQ

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.

LOD Limit of Detection

**Authorized Signature** 

Michael Ricker

### CHAIN OF STODY RECORD

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Site Investigation Report - METCO DX Service Station

#### APPENDIX C/ WELL AND BOREHOLE DOCUMENTATION

GROUNDWATER MONITORING WELL INFORMATION FORM Chapter 281 and 289, Wis. Stats.
Form 4400-89

Rev. 7-98

Facility I	Name rvice Statio	<b>^</b>		Fac	ility	ID Number	License	, Pern	it or Monitorin				Comple	ted By (Name a	nd Firm)	718.44					
WI	vice Stati	DNR		Ι'n	ir.		Well (	Jacin -	T21		20/201		Erio	Dahl/METCO							
Unique Well No	Well Name	Well ID	Well Location	Ä	S W	Date Established	Diam.		Top of	Ground Surface		rence Site Datum	Screen Top	Depths Initial Groundwater	Well Depth	Screen Length	Well Type				Distance to Waste
			338022.06	x											-						
VN013	MW-11		676155.67	x		3/18/2013	2	P	1016.6	1017.01	X		4	7.5	14	10	11/mw	A	<sub>v</sub>	s	50
			338066.03	х	П						1				K-7	10	11/111/4	A	_^	3	50
VN014	MW-12		676057.67	X		3/18/2013	2	P	1016.19	1016.64	X		4	5.62	14	10	11/mw	A	v	U	75
			338120.45	X												<del>*</del>	11/11(1)			Ŭ	75
VN015	MW-13		676156.25	X		3/18/2013	2	P	1016,19	1016.5	X		4	7.27	14	10	11/mw	A	x	S	35
			338058.78	X		•													1	. J	
VN016	MW-14		676151.99	x		3/18/2013	2	P	1016.3	1016.61	X		4	7.35	14	10	11/mw	A	x		
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Completion of this form is mandatory under s. NR. 507.14 and NR 110.25 Wis. Adm. Code. Pailure 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.

	Vatershed/Wastewater	Waste Management	MONITORING WELL CONSTRUCTION Form 4400-113A Rev. 7-98
Facility/Project Name  DX Service Station (Forms)	Local Grid Location of Well _		Well Name MW-11
Facility License, Permit or Monitoring No.	Local Grid Origin 🔲 (estimat	ted: D) or Well Location	Wis. Unique Well No. DNR Well ID No.
Facility ID	Lat. "L St. Plane ft. N.	ongft. E. S/C/I	Day Mall Town
Type of Well	Section Location of Waste/Sour	ce.	mm' 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7
Well Code 11 1 MW	1/4 of1/4 of Sec_ Location of Well Relative to W	T. N.R. Suite/Source Gov. Lot Number	Darrin Prontice
Distance from Waste/ Euf. Stds. Sourceit. Apply	u □ Upgradient s □ d □ Downgradient n □	Sidegradient	Geiss Soil & Samples 4
A. Protective pips, top elevation	ft. MSL.	1. Cap and lock?	A Yes No
B. Well casing, top elevation	ft MSL	2. Protective cove	` "
•	ft.MSL	b, Length:	_ <u> </u>
D. Surface seal, bottom ft. M3	22 XX 5 4 1	C. Material:	Steel 237 04  Other □
12. USCS classification of soil near screen	SW CI SP CI   NI	d. Additional p	· · · · · · · · · · · · · · · · · · ·
SM SC ML MHO (	3. g GH g	3, Surface scal:	Bentonite 💆 30
, ** *** <del></del>	Yes X No		Concrete 20 01
14. Drilling method used: Ro Hollow Stem A	tary 0.50	4. Material between	en well casing and protective pipe:
Addidw stem At	ther D		Bentonite 🗵 3.0 Other 🗆
15. Drilling fluid used: Water □ 0.2	Air 🗆 01	5. Annular space	
	None X 99	cLbs/ga	mud weight Bentonite slurry [] 31
16. Drilling additives used?	Yes Di No	d% Bent	onite Bentonite-cement grout [] 50
Describe		f. How installe	zd: Tremie 🛘 01
17. Source of water (attach analysis, if requ			Tremie pumped 🔲 02 Gravity 🕱 08
		6. Bentonite seal:	a. Bentonite granules [] 33 3/8 in. [] 1/2 in. Bentonite chips X 32
E. Bentonite seal, topft. MS	1. or <u>. o 5</u> ft.	/ c	Other D
F. Fine sand, top ft. MS	Lor_3_A		rial: Manufacturer, product name & mesh size
G. Filter pack, top ft. MS	3.5	R. (1)	td Pint
	11 入間	b. Volume add 8. Filter pack man	erial: Manufacturer, product name & mesh size
H. Screen joint, top ft. MS	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	a 40 K	ed Plint
I. Well bottomft. MS	ila	9. Well casing;	Flush threaded PVC schedule 40 X 23
1. Filter pack, bottomft_MS			Flush threaded PVC schedule 80  24
K. Borehole, bostom ft. MS	sl or 15 A.	10. Screen materia  a. Screen type	
Ø 25			Continuous slot 🔲 01
		b. Manufacture	r Monoflex Other   Sile
M. O.D. well casing 240 in.		c. Slot size: d. Slotted leng	0. <i>0[0</i> în. 10 în.
N. I.D. well casing 2.06 in.		• • •	al (below filter pack): None 🗓 14
I hereby certify that the information on this	form is true and correct to the i	est of my knowledge.	Other A 🕸
Signature Barrin Prentice	e Firm Ge	155 Soil 45	amples 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 che. 160, 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with che. 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. NO IE: See the instructions for more information, including where the completed forms should be

State of Wisconnin Department of Natural Resources Route to: Watershed/Wastewater Waste Management MONITORING WELL CONSTRUCTIO	N
Ramediation/Redevelopment Other Matt Name  Pacility/Project Name    Name	
DX Service Station (forms) R. B R. B. MW-12	
Facility License, Permit or Monitoring No. Local Grid Origin (estimated: ) or Well Location Wis. Unique Well No. IDNR Well ID No.	****
Facility ID   Lat.   Long.   Or   VNOLY    St. Plane   ft. N,   ft. E. S/C/N   Date Well Installed 3, 18, 2013	<del>-</del>
Section Location of Waste/Source m m d d y y y y	<u>}</u>
Well Code / MW 1/4 of	m
Distance from Waste/ Enf. Stds. u Upgradient s Sidegradient Stds. u Upgradient s Sidegradient	. / 1 .
Source	ع سيد
2. Protective cover pipe;	
x. Inside diameter:	
C. Lend surface elevationft. MSL b. Longth:ft.  Steel El 0 4	4
D. Surface seal, bottom R. MSL or D. R. Surface seal, bottom Other D	ĝ
12. USCS classification of soil near screen:   Yes   No   OF   GM   GC   GW   SW   SP   SM   SC   ML   MH   CL   CH   GM   GM   GM   GM   GM   GM   GM   G	
Rednek (7) Surface scale Sentennie M 30	}
13. Sieve analysis performed? CI Ves 10 No.	L ás
14. Drilling method used: Rotary D, 50 4. Material between well casing and protective pipe:	<u>5</u>
Hollow Stem Auger M 4 1  Other C	
S Annulus offices made a Granular/Chinesed Bastonite W 3.3	
15. Drilling fluid used: Water 🗆 0.2 Air 🗆 0.1  Drilling Mud 🗆 0.2 Air 🗎 0.1  Drilling Mud 🗆 0.2 Air 🗎 0.1  Drilling Mud 🗆 0.2 Air 🗎 0.1	
c. Losgai mud weight Bentonite siurry I 3 1	
eFt volume added for any of the above	,
Describe	
Gravity N 7.8	-
6. Bentonite seal: a. Bentimite granules   5. b. 1/4 in. 3/3/8 in. 1/2 in. Bentonite chips 3 3 2	
E. Bentonite seal, topft. MSL or _o 5 ft 6	
F. Fine sand, top ft. MSL or 3 ft. 7. Fine sand material: Manufacturer, product name & mesh size	
G. Filter pack, top ft. MSL or ft. MSL or ft.	
H. Screen joint, topft. MSL or	
b. Volume added ft <sup>3</sup>	ř
I. Well bottom  1. Well casing:  9. Well casing:  Flush threaded PVC schedule 40 2 2 3  Flush threaded PVC schedule 80 2 24	
I. Filter pack, bottom ft. MSL or ft. Other	
10. Screen material: PVC	30
Continuous slot 0 01	
L. Borehole, diameter 5.00 in.	
M. O.D. well easing 2.40 in. b. Manufacturer Monottex c. Stot size: 0.000 in	í.
d. Slotted length: 10 ft	i.
N. I.D. well casing OLOG in. 11. Backfill material (below filter pack): None 1 14	8
I hereby certify that the information on this form is true and correct to the best of my knowledge.	<u>£</u>
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. 150, 281, 283, 291, 292, 293, 295, and 299, Wis. State., and ch. NR 141, Wis. Adm. Code. In secondance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. State., failuse 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.

	Vatershed/Wastewater	Waste Management Other	MONITORING WELL CONSTRUCTION A400-113A Rev. 7-98	CTION
Facility/Project Name	soul find I ansels - ut Willett		Well Name	<del></del>
DX Service Station (Forms)	n.	] N	Well Name	
Facility License, Permit or Monitoring No.	[ ~ 1024 O-22	ated: (1) or Well Location (1)	MW-13	
	le. 5: 3: 11	Long. or Well Location C		No.
Facility ID	St. Plime ft. N	îî. e. s/c/n	Date Well Installed 3, 18, 30	
	Section Location of Waste/Son			
Type of Well	7 7 7		Well Installed By: Name (first, last) a	od Firm
Well Code/	1/4 of1/4 of Sec. Location of Well Relative to V		- Darrin Prontice	77. 9-19115
Distance from Waste/ Enf. Stds.	u Upgradient s	Vaste/Source Gov. Lot Number Sidegradient	PARTITION TO A PARTITION OF THE PARTITIO	····
Source ft Apply		Not Known ———	GUSS Soil & Samo	JAC LI.
	n. MSL	L. Cap and lock?	<u> </u>	
the a constitute belong and another than the man		2. Protective cover	X Yes 🗖	NO
B. Well casing, top elevation	n. MSL	Inside diamete		) .
20 X - 03 - 04 00 00 - 15 - 15 - 15 - 15 - 15 - 15 - 1	E yeer	1 1	* _ <u>_</u> _	)_ in.
C. Land surface elevation	fLMSL	b. Length:		ft.
D. Surface seal, bottom ft. MS	iLorO_fL 强强:	c. Material:	Swel 2	
12. USCS classification of soil pear screen		1.00 · · · · · · · · · · · · · · · · · ·	Other []	
	W 🗆 SP 🖂	d. Additional pro		No
SM SC ML MH C	Ti dadi 👊	If yes, describ	<b>*</b>	
Bedrock 🗆		3. Surface scal:	Bentomite A	30
	Yes X No		Concrete A	01
	1 200	<b></b>	Other 🛘	246
The state of the s	агу □ 5 0	4. Material between	well casing and protective pipe:	100 ATT
Hollow Stem Au	8 <sup>ca</sup> [ 4]		Bentonite A	30
Q Q	ther 🕽 🎇		Other 🗆	
	_	5. Annular space se		
15. Drilling fluid used: Water □ 0.2	Air 🛛 01		mud weight Bentonite-sand sharry	
Drilling Mud □ 03 N	ione 🛛 99 📗 🎇		mud weight Bentonite slurry D	
	ا الله	d 95 Renion	nite Bentonite-cement grout	50
16. Drilling additives used?	Yes DINo	Pi	3 volume added for any of the above	2.0
1		f. How installed		
Describe	<b> </b>	I. How installed	Tremie pumped.	7 -
17. Source of water (attach analysis, if requ	ired):			,
		6. Bentonite seal:	Gravity X	. 08
			(3/8 in. 11/2 in. Bentonite chips X	33
E. Bentonite seal, top ft. MS	Lor o On W	B	· ·	
			Other []	
F. Fine sand, top fr. MS	Lor		al: Manufacturer, product name & mes	
	. 35. 入村	A LOVE	d Plint	20
G. Filter pack, top fr. MS	La _ Si Si fi	b. Volume adde		
H. Screen joint, top ft. MSI	La_4_a_	8. Filter pack mater	rial: Manufacturer, product name & me:	sh size
	10 M	b. Volume adde		September
I. Well bottom ft. MS	LorLT_ft、 図	9. Well casing:	Flush threaded PVC schedule 40	2.3
	15	34	Flush threaded PVC schedule 80	
J. Filter pack, bottom ft MS			Other []	
** ** ** ** ** ** ** ** ** ** ** ** **	מעול -	10. Screen material:	PVC	9000 <del>17 11</del> 86000
K. Herchole, bottom ft. MSI	Lor_ 15_A.			352
		a. Screen type:	Factory cut	•
L. Borebole, diameter 8.35 in.			Continuous slot	55.50
		E 285-mortuur	Monoflex Other U	22.00
M. O.D. well casing 240 in.		b. Manufacturer c. Slot size:		IA ta
aris Oslawich toming we in him III.		Α .		Qin.
N. I.D. well casing 2.06 in.		d. Slotted length		டி ர்.
N. I.D. well casing OLOO in.		11. Hackfull material	(below filter pack); None	1.4
I hereby certify that the information on this	form is true and assessed to the	met af my brand day	Other 💆	<u> </u>
		wat of my knowledge.	·	
Signature Orvin Prentice	Firm C.P.	155 SNI 450	imples 110	

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, 283, 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 those 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.

	Waste Management	MONITORING WELL CONSTRUCTION Form 4400-113A Rev, 7-98
Facility/Project Name  DX Service Station (Forms)  Local Grid	Location of Well N. ft.	E. Well Name MW-14
Facility License, Permit or Monitoring No. Local Grid	Origin (estimated: ) or Well Location	Wis. Unique Well No. DNR Well ID No.
Facility ID St. Planc	Long. ft. E. SA	
Type of Well Code // / MW 1/40		Well Installed By: Name (first, last) and Firm
Distance from Waste/ Ent. Stos. u Upg	of Well Relative to Waste/Source   Gov. Lot Number gradient   Sidegradient   Gov. Lot Number   Gov. L	Geiss Soil + Samples 4
A. Protective pipe, top elevationft.	MSL 1. Cap and lock	?
B. Well casing, top elevation ft.	a. Inside diar	
C. Land surface elevation ft.	Description of the second of	
D. Surface seal, bottom ft. MSL or (		Other D
GP GM GC GW SW SP SP SM G SC ML MH CL C	If yes, dec	enbe:
Bedrock 🗆	3. Surface scale	Bentonite 20 30 Concrete 20 01
13. Sieve analysis performed? ☐ Yes No. 14. Drilling method used: Rotary ☐ 5.0	1501 ESA	Other   Other   Ween well casing and protective pipe:
Hollow Stem Auger X 41	1 🐰 🔛	Bentonite Ø 30
Other D	200 800	Other D
15. Drilling fluid used: Water □ 0 2 Air □ 0		ce seal: s. Granular/Chipped Bentonite Ø 33 gai mud weight Bontonite-sand slurry 🗀 35
Drilling Mud □ 0.3 Name Ø 9		gal mud weight Bentonite slurry   31
16. Drilling additives used?	650 000 a 07. Da	entonite Bentonite-cement grout   50  Ft 3 volume added for any of the above
<b>1 1 1 1 1 1 1 1 1 1</b>	e. How insta	
Describe		Tremie pumped 🗆 02
11. Business of a mark function analysis, it requires;		Gravity 💆 0 8
	6. Bentonite se	A.A.
E. Bentonite scal, topft MSL oro	2 n / c	Other D
F. Fine sand, top ft. MSL or	7. Fine sand m	sterial: Manufacturer, product name & mesh size
G. Filter pack, top ft. MSL or 3.	5 ft. 15 ft. Volume s	Red Flint 88
H. Screen joint, top ft. MSL or	8. Filter pack n	naterial: Manufacturer, product name & mesh size
to the same of the	b. Volume a	added fi <sup>3</sup>
I. Well boutonft. MSL orft.	1_ft. 9. Well casing:	Flush threaded PVC schedule 40 X 23 Flush threaded PVC schedule 80  24
171	うず ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) (	Other 🗓 💥
K. Borehole, bottomft. MSL or	10. Screen mater	
L Borehole, diameter \$135 in.		Continuous slot  0 1
M. O.D. well casing 240 in.	b. Manufact c. Slot size:	wrer <u>Monoflex</u>
N. I.D. well casing 2.06 in.	d. Slotted le	erial (below filter pack): None 0 14
Thereby certify that the information on this form is true	e and correct to the best of my knowledge.	Other X
Signature Deal	Firm O	
Barrin Frentice	1 GUSS SOIL 43	Damples 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 this 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

Route to: Watershed/Wa	stewater	Waste Management	t	
Remediation/R	Redevelopment [X]	Other		
Facility/Project Name	County Name		Well Name	
DX Service Station (Former)		MONROE	MW-17	1
Facility License, Permit or Monitoring Number	County Code 42_	Wis. Unique Well N	lumber DNR W N013	eli ID Number — — —
1. Can this well be purged dry? □	Yes X No	11. Depth to Water		at After Development
2. Well development method		(from top of	a. $\frac{7.5}{}$ ft.	
surged with bailer and bailed	4 1	well casing)		
surged with bailer and pumped [X	61			
surged with block and bailed	42	Date	b 03 / 19 / 2013	$\frac{3}{y} = \frac{3}{m} / \frac{9}{d} / \frac{013}{y} = \frac{3}{y}$
surged with block and pumped	62		m m d d y y	yy mm'ddyyy;
surged with block, bailed and pumped	70		X a.m	X a.m.
compressed air	20	Time	c. <u>08</u> : <u>15</u> 🗆 p.m	. <u>10</u> : <u>00</u>
bailed only	10			
	51	12. Sediment in well	inches	inches
pumped slowly	5.0	bottom		
Other	<b>44</b>	13. Water clarity	Clear	Clear  X 20 Turbid□ 25
	5min.		(Describe) Color: Tan	(Describe) Color: Clear
1	ft.		High Turbidity No Odor	Low Turbidity No Odor
5. Inside diameter of well $\frac{2}{}$	in.			
6. Volume of water in filter pack and well casing 7.1	gal.			
7. Volume of water removed from well 105	5 gal.		ds were used and well is	·
8. Volume of water added (if any)	gal.	14. Total suspended solids	mg/l	mg/i
9. Source of water added		15. COD	mg/l	mg/l
		16 Well developed b	by: Name (first, last) and Fir	
<del>-</del>	Yes 🗆 No	First Name: Mate		m ne: Michalski
(If yes, attach results)		Pi METCO		
17. Additional comments on development:		Firm: METCO		
17. Additional comments on development:				
			•	
Name and Address of Facility Contact/Owner/Respons	sible Party	1		
First Last Damaschk Name: Marcella Name:		I hereby certify the of my knowledge.	at the above information	is true and correct to the best
Facility/Firm:		Signature: Ma	to Milal	La .
Street: 1210 Robinhood		Print Name: Matt M	Iichalski	
Waterford NA	- 	E. METO	0	
City/State/Zip: Waterford WI	53185-	Firm: METC	<u> </u>	

Route to: Watershe	d/Wastev	vater	Waste Managemen	ıt 🗀		
Remediat	ion/Rede	velopment [X]	Other			
Facility/Project Name		County Name		Well Name	. ,	
DX Service Station (Former)			MONROE		MW-12	
Facility License, Permit or Monitoring Number	r	County Code 42_	Wis. Unique Well N	Number	DNR We	ll ID Number
1. Can this well be purged dry?	X Ye	s 🗆 No	11. Depth to Water			After Development
2. Well development method			(from top of	a. <u>5.62</u>	ft.	
surged with bailer and bailed	□ 4	1	well casing)			
surged with bailer and pumped	X 6	1				
surged with block and bailed	□ 4	2	Date	b. 03 / 19	/ 2013	$\frac{3}{\sqrt{y}} = \frac{3}{m} / \frac{9}{d} / \frac{013}{y} = \frac{3}{y}$
surged with block and pumped	□ 6	2		m m d c	d y y y	y w m m ddyyy
surged with block, bailed and pumped	□ 7	0		11 4	Z X a.m.	$01$ : $20$ $\times$ $p.m$ .
compressed air	□ 2	0	Time	c. 11_: _4	<u>&gt;</u> □ p.m.	01: $20$ X p.m.
bailed only	1	0				
pumped only	□ 5	1	12. Sediment in well	1 <u> </u>	inches	inches
pumped slowly	□ 5	0	bottom			
Other			13. Water clarity	Clear   1 Turbid X 1		Clear IX 20 Turbid□ 25
3. Time spent developing well	95	min.	1	(Describe)		(Describe)
				Color: Tan	<u> </u>	Color: Clear
4. Depth of well (from top of well casisng)	<u> 14</u> _	ft.		High Turbi	idity	Low Turbidity
5. Inside diameter of well	_2	in.		No Odor		No Odor
6. Volume of water in filter pack and well						
casing	9.2	gal.				
-			Fill in if drilling flu	ids were used a	nd well is a	at solid waste facility:
7. Volume of water removed from well	_95	gal.				
			14. Total suspended	1	mg/l	mg/i
8. Volume of water added (if any)		gal.	solids			
9. Source of water added			15. COD		mg/l	mg/l
			16. Well developed	by: Name (first,	last) and Firm	n
10. Analysis performed on water added?	☐ Ye	s 🗆 No	First Name: Ma	_	-	e; Michałski
(If yes, attach results)		- wa 110	THE TAILO	• •	Past Light	W1
			Firm: METCO			
17. Additional comments on development:						
-				•		
Nome and Address of Essility Contact (Own In	mnone!L1	a Dasty	<u></u>			
Name and Address of Facility Contact/Owner/Re	≈ponsible	z rany			formation i	is true and correct to the best
First Last Dam Name: Marcella Name: Dam	aschke		of my knowledge	•		,
ivalie,			~	20 1000	101.	
Facility/Firm:			Signature:	ett) Mac	elekti'	
i womey/1 mm.						
Street: 1210 Robinhood		<del></del>	Print Name: Matt	Michalski		<u> </u>
City/State/Zip: Waterford	WI 5	3185-	Firm: METO	CO		
Chylotate/Lip.						

Route to: Watershed/Wast	ewater 🔲	Waste Management			
Remediation/Re	development [X]	Other	<del></del> .		
Facility/Project Name	County Name		Well Name		
DX Service Station (Former)	I	MONROE		MW-13	
Facility License, Permit or Monitoring Number	County Code 42_	Wis. Unique Well No.	umber N015	DNR Wel	ID Number
1. Can this well be purged dry?	les □ No	11. Depth to Water			After Development
2. Well development method			a7.27	ft.	
surged with bailer and bailed	4 1	well casing)			
surged with bailer and pumped X	61				
surged with block and bailed	42	Date	b. 03 / 19	_/_2013	$\frac{3}{y} \frac{3}{m} \frac{9}{d} \frac{9}{d} \frac{13}{y} \frac{9}{y} \frac{1}{y}$
surged with block and pumped	62		m m d d	ууу	y mm ddyyyy
surged with block, bailed and pumped	70		10 0	X a.m.	$11$ : $40 \square \text{ m.}$
compressed air	20	Time	c. 10 :	<u>⊃</u> □ p.m.	$11$ : $40$ $\square$ p.m.
bailed only	10				
pumped only	5 1	12. Sediment in well		inches	inches
pumped slowly	50	bottom			
Other		13. Water clarity	Clear   1 1   Turbid   X   1		Clear  X 20 Turbid□ 25
3. Time spent developing well 95	min.	·	(Describe) Color: Brow		(Describe) Color: Clear
4. Depth of well (from top of well casisng) $\frac{14}{}$	ft.		High Turbi No Odor		Low Turbidity No Odor
5, Inside diameter of well 2	in.		10 0001		- No Outil
6. Volume of water in filter pack and well casing 7.4	gal.	Fill in if drilling fluid		ad wall is a	t colld weets facility
7. Volume of water removed from well	gal.				mg/l
8. Volume of water added (if any)	gal.	solids		- — <sup>111</sup> 8/1	
9. Source of water added		15. COD		mg/l	mg/l
		16. Well developed b	W. Nama (first I	net) and Eins	
10. Analysis performed on water added?	Yes 🛚 No	First Name: Matt	•		: Michalski
(11 yes, attach results)		Firm: METCO			
17. Additional comments on development:	•••				
Name and Address of Facility Contact/Owner/Responsi	ble Party	I hereby certify the	at the above inf	formation is	true and correct to the best
First Last Damaschke Name: Name:	<del>:</del>	of my knowledge.			
Facility/Firm:		Signature: Ma	th Mu	duble	
Street: 1210 Robinhood		Print Name: Matt M	lichalski –		<u></u>
City/State/Zip: Waterford WI	53185-	Firm: METC	0		

Route to: Watershed/Wast	tewater	Waste Management			
Remediation/Re	development [X]	Other 🔲			
Facility/Project Name	County Name		Well Name		
DX Service Station (Former)	]	MONROE		MW-14	
Facility License, Permit or Monitoring Number	County Code _42	Wis. Unique Well Nu	mber 1016	DNR We	11 ID Number 
1. Can this well be purged dry?	Yes □ No	11. Depth to Water			After Development
2. Well development method		(from top of well casing)	a	ft.	
surged with bailer and bailed		well easing)			
surged with bailer and pumped  surged with block and bailed  surged with block and pumped		Date	$b.\frac{03}{m m}/\frac{19}{d}$	$\frac{1}{y} / \frac{2013}{y}$	$\frac{3}{\sqrt{y}} = \frac{3}{m} / \frac{9}{d} / \frac{913}{\sqrt{y}} = \frac{3}{\sqrt{y}}$
surged with block, bailed and pumped	70		0.1	_ 🗆 a.m.	.a. ∏ a.m.
compressed air	20	Time	c. <u>01</u> :2	5 X p.m.	$02 : 45 \overset{\square}{\times} p.m.$
bailed only					
pumped only		12. Sediment in well bottom		inches	inches
	50		Ol	^	Clare W. A.O.
		13. Water clarity	Clear   1 Turbid X 1		Clear  X 2 0 Turbid □ 2 5
3. Time spent developing well $80$	min.		(Describe) Color: Tan		(Describe) Color: Clear
4. Depth of well (from top of well casisng) $\frac{14}{}$	ft.		High Turbi Odor		Low Turbidity Odor
5. Inside diameter of well	în.		***************************************		
6. Volume of water in filter pack and well casing 7.3	gal.	Fill in if drilling fluid	c ware used a	nd well ic s	at solid waste facility:
7. Volume of water removed from well65	gal.				·
8. Volume of water added (if any)	gal.	14. Total suspended solids		mg/l	mg/l
9. Source of water added	<del> </del>	15. COD		mg/l	mg/l
		16. Well developed by	v: Name (first. l	ast) and Firn	1.
10. Analysis performed on water added?	Yes □ No	First Name: Matt		•	e: Michalski
		Firm: METCO			
17. Additional comments on development:					
Name and Address of Facility Contact /Owner/Responsi	ble Party	I barehy cartify tha	t the above int	formation i	s true and correct to the best
First Last Damaschke Name: Name:	-	of my knowledge.	i die above ini	omanon i	a nuc and correct to the best
Facility/Firm:		Signature: Mui	to Mic	lable.	
Street: 1210 Robinhood		Print Name: Matt M	ichalski		
City/State/Zip: Waterford WI	53185-	Firm: METCO	)		

#### **SOIL BORING LOG INFORMATION**

Form 4400-122

Rev. 7-98

Route To
----------

Watershed / Wastewater: Remediation / Redevelopment:

Waste Management:

Other: Page Facility / Project Name License / Permit / Monitoring Number **Boring Number** G-1/MW-12 DX Service Station (Former) **Drilling Date Completed Drilling Method Drilling Date Started** Boring Drilled By: Name of crew chief (first, last) and Firm 03/18/2013 03/19/2013 Geoprobe/H.S.A. MM/ DD/ YYYY MM /DD/ YYYY Firm: Geiss WI Unique Well No. DNR Well ID No. Borehole Diameter Well Name Final Static Water Level Surface Elevation Feet MSL 2"/8.25" MW-12 Local Grid Location Local Grid Origin (estimated X) or Boring Location Lat 43°49'48.48" Ν Е State Plane SE  $\frac{1}{2}$  of SW  $\frac{1}{2}$  of Section 28, T 16 N, R 02 W Long 90°37'19.77" Feet S Feet W Civil Town / City / Village Facility ID County County Code Norwalk Monroe Soil Properties Sample Depth in Feet (below ground surface) Number & Type જ.ં.⊑ Plasticity Index Well Diagram Blow Counts Graphic Log Compressiv Strength iquid Limit PID / FID Moisture Content Length Att. Recovered ( USCS Soil / Rock Description RQD / Comments And Geologic Origin For Each Major Unit Gravel 0 М No Petro Odor G-1-1 48 (0-4 Feet) Brown Sandy Silt/Clay CL 4'-6' Brown Sandy Silt/Clay CL No Petro Odor 0 М G-1-2 24 (4-8 Feet) See Well Construction Form 10 W No Petro Odor G-1-3 42 12 Orange Medium to Coarse Grained Weathered (8-12 Feet) 14 EOB @ 14 feet. Boring Converted to Monitoring Well. Monitoring Well MW-12 installed to 14 Feet.. \_16 18 20 I hereby certify that the information on this form is true and correct to the best of my knowledge **METCO** Firm: Signature:

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.

# **SOIL BORING LOG INFORMATION**

Form 4400-122

Rev. 7-98

			Route To:	Watershed / Wastewater Remediation / Redevelopment		Waste	e Mana(	gement: Other:						
				· · · · · · · · · · · · · · · · · · ·		<b>4</b>					Page	1	of	
Facility / F					Licens	e / Perm	it / Mon	itoring 1	Number					ring Number
DX Service Boring Dri				hief (first, last) and Firm	Drilling	Date St	arted		Drilling	Date C	omplete	ed		2/MW-13 Illing Method
	Darrin	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	Last			03/18/201			_	3/19/201				oprobe/H.S.A.
	Geiss	DMD	Vell ID No.	Well Name		M/ DD/ YY		a. (a)		I/DD/YY				
VN0		DIAK A	veli ID No.	weii Name MW-13	Fina	al Static	water L MSL	_evei	5	uriace	Elevation	on	В	orehole Diameter 2"/8.25"
		(estim	ated X) or	Boring Location		reet	IVIOL		•	Local C	3rid Loc	ation		2 /0.23
State Plane		N,	E	-		° 49 ' 48.				N		E		
	V ¼ of S cility ID		8, T 16 N, R	02 W County	Long 9	0°37'19		y Code		Feet S		vn / City	, / V	illage
	· · · · · · · · · · · · · · · · · · ·			Monroe				12				Norwall		
	San	nple							ropertie	s				
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-2-1 (0-4 Feet) G-2-2 (4-8 Feet) G-2-3 (8-12 Feet)	42		- 2 - 4 - 6 - 6 - 10 - 12 - 14 - 16 - 18 - 18 - 18 - 18 - 18 - 18 - 18	Brown Sandy Silt/Clay  Brown to Gray Sandy Silt/Clay  8'-11' Brown to Gray Sandy Silt/Clay  11'-12' Gray Medium to Coarse Grained Weathered Sandstone  EOB @ 14 feet. Boring Converted to Monitoring Well. Monitoring Well MW-13 installed to 14 Feet	CL CL	N. W. W. W. W. W. W. W. W. W. W. W. W. W.	See Well Construction Form	0		M M/W				No Petro Odor
		<u> </u>	24				<u> </u>		<u> </u>					
I hereby c Signature		at the in	nformation	on this form is true and correct to the bes	t of my	knowled	ge		Firm:	RAC	тсо			
olgnature:			1/2	Le Company of the Com					ram:	IVIE	-100			

Signature:

# SOIL BORING LOG INFORMATION

Form 4400-122

Rev. 7-98

Route To:

Watershed / Wastewater:

Waste Management:

Remediation / Redevelopment: Other: Page Facility / Project Name License / Permit / Monitoring Number **Boring Number** DX Service Station (Former) Drilling Method Boring Drilled By: Name of crew chief (first, last) and Firm **Drilling Date Started Drilling Date Completed** 03/18/2013 Last: 03/18/2013 Geoprobe MM/ DD/ YYYY Firm: Geiss MM /DD/ YYYY WI Unique Well No. DNR Well ID No. Well Name Final Static Water Level Surface Elevation Borehole Diameter Feet MSL Local Grid Location Local Grid Origin (estimated X) or Boring Location State Plane Lat 43°49'48.48" Ν Ε SE 1/4 of SW 1/4 of Section 28, T 16 N, R 02 W Long 90 ° 37 ' 19.77 " Facility ID County County Code Civil Town / City / Village Monroe 42 Norwalk Soil Properties Sample Length Att. & Recovered (in) Number & Type Depth in Feet (below ground surface) Well Diagram Plasticity Index Blow Counts **Sraphic** Log Compressiv Strength iquid Limi uscs 윤 Moisture Content Soil / Rock Description 200 RQD / Comments And Geologic Origin PID/I For Each Major Unit Asphait 180 G-3-1 42 М Petro Odor (2-4 Feet) (0-4 Feet) Gray Sandy Silt/Clay CL CL M/W G-3-2 48 Green Sandy Silt/Clay 300 Petro Odor & Staining (4-8 Feet) 10 K X ير بال. ر Gray to Tan Medium to Coarse Grained Weathered Sandstone 42 12 40 w Petro Odor (8-10 Feet) G-3-3 (8-12 Feet) G-3-W (7-12 Feet) EOB @ 12 Feet. Groundwater Sample G-3-W Collected. Borehole Abandoned. 14 16 18 20 22 I hereby certify that the information on this form is true and correct to the best of my knowledge **METCO** Firm:

# **SOIL BORING LOG INFORMATION**

Form 4400-122

Rev. 7-98

Watershed / Wastewater: Route To: Waste Management: Remediation / Redevelopment: X Other: Page of 1 Facility / Project Name License / Permit / Monitoring Number **Boring Number** DX Service Station (Former) Drilling Date Started Boring Drilled By: Name of crew chief (first, last) and Firm **Drilling Date Completed Drilling Method** First: Darrin Last: 03/18/2013 03/18/2013 Geoprobe Firm: Geiss MM/ DD/ YYYY MM /DD/ YYYY WI Unique Well No. DNR Well ID No. Borehole Diameter Well Name Surface Elevation Final Static Water Level Feet MSL Local Grid Origin (estimated X) or Boring Location Local Grid Location Lat 43 ° 49 ' 48.48 " State Plane N. Ν E Long 90 ° 37 ' 19.77 " SE 1/4 of SW 1/4 of Section 28, T 16 N, R 02 W Feet S Feet W County Code Civil Town / City / Village Facility ID County Monroe Norwalk Soil Properties Sample Number & Type Depth in Feet (below ground surface) Diagram & Œ Plasticity Index Blow Counts Graphic Log PID / FID Compressiv Strength Length Att. Recovered (i iquid Limi Moisture Content Soil / Rock Description And Geologic Origin For Each Major Unit RQD / Comments SO Well Asphalt 48 150 М Petro Odor (2-4 Feet) G-4-1 (0-4 Feet) CŁ Grav Sandy Silt/Clay G-4-2 48 Green Silty Sand SM 450 M/W Petro Odor (4-8 Feet) \_10 Gray to Tan Medium to Coarse Grained Weathered G-4-3 42 12 50 W Petro Odor (8-10 Feet) (8-12 Feet) EOB @ 12 Feet. Borehole Abandoned. 14 16 18 20 22 I hereby certify that the information on this form is true and correct to the best of my knowledge Signature: Firm: **METCO** 

# SOIL BORING LOG INFORMATION

**METCO** 

Form 4400-122

Rev. 7-98

Route To: Watershed / Wastewater: Waste Management: Remediation / Redevelopment: Other: Page 1 of 1 Facility / Project Name License / Permit / Monitoring Number **Boring Number** DX Service Station (Former) Boring Drilled By: Name of crew chief (first, last) and Firm **Drilling Date Started Drilling Date Completed Drilling Method** 03/18/2013 03/18/2013 Geoprobe MM/ DD/ YYYY MM /DD/ YYYY Firm: Geiss Wi Unique Well No. DNR Well ID No. Well Name Final Static Water Level Surface Elevation Borehole Diameter Feet MSL Local Grid Origin (estimated X) or Boring Location Local Grid Location Lat 43°49'48.48" State Plane Long 90 ° 37 ' 19.77 \* SE 1/4 of SW 1/4 of Section 28, T 16 N, R 02 W Feet S Feet W Facility ID County County Code Civil Town / City / Village Monroe Norwalk Soil Properties Sample Depth in Feet (below ground surface) Diagram જ ઼ે⊆ Plasticity Index Compressive Strength Blow Counts Graphic Log Length Att. iquid Limi PID / FID Moisture Content Soil / Rock Description 200 SC And Geologic Origin RQD / Comments For Each Major Unit Well Asphalt G-5-1 42 0 М No Petro Odor (0-4 Feet) Green to Gray Sandy Silt/Clay ÇL G-5-2 42 Gray Sandy Silt/Clay CL 400 M/W Petro Odor & Staining (4-8 Feet) \* X 10 G-5-3 (8-12 Feet) 42 \_12 Gray to Tan Medium to Coarse Grained Weathered 90 W Petro Odor G-5-W (7-12 Feet) EOB @ 12 Feet. Groundwater Sample G-5-W Collected. Borehole Abandoned. 14 \_16 18 20 22

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

Signature: Firm:

# **SOIL BORING LOG INFORMATION**

Form 4400-122

Rev. 7-98

Route To: Watershed / Wastewater: Waste Management: Remediation / Redevelopment: Other: Page Facility / Project Name License / Permit / Monitoring Number Boring Number DX Service Station (Former) **Drilling Date Completed Drilling Method** Boring Drilled By: Name of crew chief (first, last) and Firm Drilling Date Started 03/18/2013 Last: 03/18/2013 Geoprobe MM/ DD/ YYYY MM /DD/ YYYY Firm: Geiss WI Unique Well No. DNR Well ID No. Well Name Final Static Water Level Surface Elevation Borehole Diameter Feet MSL Local Grid Location Local Grid Origin (estimated X) or Boring Location Lat 43°49'48.48" Ν Ε State Plane SE  $\frac{1}{4}$  of SW  $\frac{1}{4}$  of Section 28, T 16 N, R 02 W Long 90 ° 37 ' 19.77 " Feet W Facility ID County County Code Civil Town / City / Village Norwalk 42 Monroe Soil Properties Sample Number & Type Depth in Feet (below ground surface) ø,⊕ Plasticity Index Blow Counts Well Diagram Graphic Log Compressiv Strength iquid Limi Length Att. Moisture Content cs PID / FID Soil / Rock Description 200 RQD / Comments And Geologic Origin S For Each Major Unit Asphalt 0 No Petro Odor G-6-1 24 М (0-4 Feet) Gray Sandy Sift/Clay ÇL CĻ No Petro Odor G-6-2 24 0 М (4-8 Feet) \_10 CŁ 8'-11' Gray Sandy Silt/Clay 10 w No Petro Odo G-6-3 42 12 11'-12' Tan Medium to Coarse Grained Weathered (8-12 Feet) EOB @ 12 Feet. Borehole Abandoned. 14 16 18 20 22 I hereby certify that the information on this form is true and correct to the best of my knowledge Firm: **METCO** Signature:

# SOIL BORING LOG INFORMATION

Form 4400-122

Rev. 7-98

Watershed / Wastewater: Waste Management: Route To: Remediation / Redevelopment: Other: Page Facility / Project Name License / Permit / Monitoring Number **Boring Number** DX Service Station (Former) G-7 **Drilling Method** Boring Drilled By: Name of crew chief (first, last) and Firm **Drilling Date Started Drilling Date Completed** 03/18/2013 03/18/2013 Geoprobe MM/ DD/ YYYY MM /DD/ YYYY Firm: Gelss WI Unique Well No. DNR Well ID No. Well Name Final Static Water Level Surface Elevation Borehole Diameter Feet MSL Local Grid Location Local Grid Origin (estimated X) or Boring Location Lat 43°49'48.48" State Plane N. Feet S Feet W SE 1/2 of SW 1/2 of Section 28, T 16 N, R 02 W Long 90 ° 37 ' 19.77 " Facility ID County County Code Civil Town / City / Village Norwalk Monroe Soil Properties Sample Number & Type Depth in Feet (below ground surface) Compressive Strength જ ં≘ **Nell Diagram** Plasticity Index Blow Counts Graphic Log Liquid Limit PID / FID Moisture Content Length Att. Recovered ( Soil / Rock Description 200 RQD / Comments And Geologic Origin For Each Major Unit Asphalt No Petro Odor 20 М 36 (0-4 Feet) Gray Sandy Silt/Clay CL CL 48 Gray Sandy Silt/Clay 140 М Petro Odor (6'-8') G-7-2 (4-8 Feet) \_10 8'-11' Gray Sandy Silt/Clay CL. 120 w Petro Odor G-7-3 48 12 11'-12' Gray Medium to Coarse Grained Weathered (8-12 Feet) G-7-W (7-12 Feet) EOB @ 12 Feet. Groundwater Sample G-7-W Collected. Borehole Abandoned. 14 16 18 20 \_22 I hereby certify that the information on this form is true and correct to the best of my knowledge **METCO** Firm: Signature:

# SOIL BORING LOG INFORMATION

Form 4400-122

Rev. 7-98

Watershed / Wastewater: Waste Management: Route To: Other: Remediation / Redevelopment: Page of 1 License / Permit / Monitoring Number Boring Number Facility / Project Name DX Service Station (Former) G-8/MW-14 Boring Drilled By: Name of crew chief (first, last) and Firm **Drilling Date Started Drilling Date Completed Drilling Method** 03/18/2013 03/19/2013 Geoprobe/H.S.A. MM/ DD/ YYYY MM /DD/ YYYY Firm: Geiss WI Unique Well No. DNR Well ID No. Well Name Final Static Water Level Surface Elevation Borehole Diameter 2"/8.25" MW-14 Feet MSL Local Grid Location Local Grid Origin (estimated X) or Boring Location Lat 43°49'48.48" State Plane Feet W SE 1/2 of SW 1/2 of Section 28, T 16 N, R 02 W Long 90 ° 37 ' 19.77 " Feet S County County Code Civil Town / City / Village Facility ID Norwalk Monroe Soil Properties Sample Depth in Feet (below ground surface) Number & Type ~જું.≘ Compressive Strength Diagram Plasticity Index Blow Counts Graphic Log Liquid Limit Moisture Content Length Att. Recovered ( scs PID / FID Soil / Rock Description RQD / Comments And Geologic Origin For Each Major Unit ₩ % Asphalt Petro Odor 1-3 Feet 200 М G-8-1 42 (0-4 Feet) Gray Sandy Silt/Clay CL CL 140 М Petro Odo G-8-2 42 Gray Sandy Silt/Clay (4-8 Feet) See Well Construction Form 10 W Petro Odor and Staining 42 \_12 Gray Medium to Coarse Grained Weathered 120 G-8-3 Free Product (8-12 Feet) i ki . W 14 EOB @ 14 feet. Boring Converted to Monitoring Well. Monitoring Well MW-14 installed to 14 Feet.. 16 18 \_20 \_22 I hereby certify that the information on this form is true and correct to the best of my knowledge **METCO** Firm: Signature:

# SOIL BORING LOG INFORMATION

orm 4400-122

Rev. 7-98

Route	To
Route	To

Watershed / Wastewater:

Waste Management:

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				(Cinediation) (Codevelopment				Outloi.		-	Page	1	of	1
Facility / F	roject i	Name			License	e / Perm	it / Mon	itoring N	lumber		,90			ring Number
DX Servic	-		ner)					_					G-	=
				hief (first, last) and Firm	Drilling	Date St	arted		Drilling	Date Co	omplete	ed		illing Method
-	Darrin		Łast:	•		3/18/201				3/18/201				oprobe
Firm:						#/ DD/ YY				I/DD/ YY				·
WI Unique \	Well No.	DNR V	Vell ID No.	Well Name	Fina	l Static	Water L	.evel	S	urface l	Elevatio	n	В	orehole Diameter
						Feet	MSL							2"
				Boring Location		0.401.40	40.5			Local G				
State Plane		N, ection 2	E 8, T 16 N, R	0.02 W		° 49 ' 48. ) ° 37 ' 19				N Feet S		E W		
	cility ID		3, 1 10 IN, IN	County	Long at	7 37 13		/ Code			ivil Tow		// V	illage
	•			Monroe			4					- Norwall		Ŭ
	San	nple					······		ropertie	S			<u>·                                     </u>	
Number & Type	Length Att. & Recovered (in)	Blow Counts	Depth in Feet (below ground surface)	Soil / Rock Description And Geologic Origin	scs	Graphic Log	Well Diagram	PID / FID	Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD / Comments
Numbe	Leng	Blow	Depth (belov sur	For Each Major Unit	Ď	Grap	Well	댎	Comp	မှုလိ	Liqu	Plastic	┛	
			Ŀ	Grass						:				
			E											
			_2											
G-9-1	48		F					20		М				Slight Petro Odor
(0-4 Feet)			$F_4$	Green Sandy Silt/Clay	CL								1	•
			F ,											
1			-			//								
			_6											
			-											
G-9-2	42		- 8	Green Sandy Silt/Clay	CL	//		0		М				No Petro Odor
(4-8 Feet)	42		⊨° -	Green Salidy Silu Clay	† <del>~</del>	-/-		ľ		101				No Fello Oddi
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			_10			K. A								
			-	·		- 7								
			<u> </u>	Coome Sili uu u		N A								
G-9-3 (8-12 Feet)	30		12	Tan Medium to Coarse Grained Weathered Sandstone	•	<del>ا ب</del>	•	0		W				No Petro Odor
G-9-W (7-12 Feet)			<u> </u>	EOB @ 12 Feet. Groundwater Sample G-9-W Collected. Borehole Abandoned.			[							
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			24											
hereby c	ertify th	at the ii	nformation	on this form is true and correct to the bes	t of my l	nowled	ge					•		
Signature:	ر :								Firm:	ME	TCO			

# SOIL BORING LOG INFORMATION

Form 4400-122

Rev. 7-98

			Route To:	Watershed / Wastewate Remediation / Redevelopmen		Waste	Manag	ement: Other:						
				Telliculation / Tedevelopinon		•		,			Page	1	of	
Facility / F	roject N	lame			License	e / Perm	it / Moni	itoring N	lumber					ring Number
DX Servic	e Statio	n (Forn	ner)		D-10:	D-4- 04	44		Drilling	Data Ca			G-	10 Iling Method
	lled By: Darrin	Name	of crew cr Last:	nief (first, last) and Firm	_	Date St 3/18/201				3/18/201		u		<del>-</del>
Firm:			Last		-	// DD/ YY				/DD/ YY			Ge	oprobe
WI Unique \	Well No.	DNR W	/ell ID No.	Well Name	Fina	I Static	Water L	.evel	S	urface l	Elevatio	n	В	orehole Diameter
						Feet	MSL							2"
				Boring Location	1 -4 42	° 49 ' 48.	40 4			Local G N	rid Loca	ation E		
State Plane SF ¼ of SV		N, ection 28	E 3, T 16 N, R	02 W		.48°46. 37'19°6					Feet			
	cility ID		,	County			County	y Code		С	ivil Tow	n / City	r/V	illage
				Monroe			4				1	Norwali	ζ	
	San	nple			1			Soil P	ropertie	s			1	
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
Ž	7 %	8	Δē				>		0			₫	╄	
G-10-1 (0-4 Feet)	24		- 2 - 4 - 6 6	Green Silty Sand	SM			0		M				No Petro Odor Petro Odor & Staining
G-10-2 (4-8 Feet)	48		8   10 	Black to Gray Sandy Clay	CL	在 · · · · · · · · · · · · · · · · · · ·								
G-10-3 (8-12 Feet) G-10-W (7-12 Feet)		at the i	12 14 16 18 18 20 22 22 22 24	Tan to Gray Medium to Coarse Grained Weathered Sandstone  EOB @ 12 Feet. Groundwater Sample G-10-W Collected. Borehole Abandoned.	est of my		ge	100		W				Petro Odor & Staining
Signature			- 1	>					Firm:	ME	TCO			
			/ .	/										

# SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98 Route To: Watershed / Wastewater: Waste Management: Remediation / Redevelopment: Other: Page of 1 Facility / Project Name License / Permit / Monitoring Number **Boring Number** DX Service Station (Former) G-11/MW-11 Boring Drilled By: Name of crew chief (first, last) and Firm Drilling Date Started **Drilling Date Completed Drilling Method** Last 03/18/2013 03/18/2013 Geoprobe/H.S.A. MM/ DD/ YYYY MM /DD/ YYYY Firm: Geiss WI Unique Well No. DNR Well ID No. Final Static Water Level Well Name Surface Elevation Borehole Diameter MW-11 VN013 Feet MSL 2"/8.25" Local Grid Origin (estimated X) or Boring Location Local Grid Location State Plane Lat 43 ° 49 ' 48.48 " SE 1/4 of SW 1/4 of Section 28, T 16 N, R 02 W Long 90 ° 37 ' 19.77 " Feet S Feet W Facility ID County County Code Civil Town / City / Village Monroe Norwalk Sample Soil Properties Number & Type Depth in Feet (below ground surface) જ (≘ Plasticity Index Blow Counts Diagram Compressive Strength Length Att. 8 Recovered (i Graphic Log Liquid Limit SCS Moisture Content PID / FID Soil / Rock Description And Geologic Origin RQD / Comments For Each Major Unit Ne⊪ Asphalt FILL 0-3' Tan Limestone Screenings G-11-1 36 0 М No Petro Odor (0-4 Feet) 3'-4'Gray Sandy Clay CŁ G-11-2 42 Gray Sandy Silt/Clay CL 0 М No Petro Odor (4-8 Feet) See Well Construction Form 8'-10' Gray Sandy Silt/Clay 10 CŁ ·K G-11-3 30 12 10'-12' Tan Medium to Coarse Grained Weathered ķ 0 W No Petro Odor (8-12 Feet) E-8 - Ĭţ-14 EOB @ 14 feet. Boring Converted to Monitoring Well. Monitoring Well MW-11 installed to 14 Feet.. \_16 18 20 22

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

Signature:

Firm:

**METCO** 

# WELL/DRILLHOLE/BOREHOLE ABANDONMENT Form 3300-5 2/2000 Page 1 of 2

Route to: Drinking Water Waters	shed/Wastewater 🔲 Waste Manag	gement [X] [	Remediation/I	Redevelopment 🔲 Ot	her						
(1) GENERAL INFORMATION	10	(2) FACILITY/OWNER INFORMATION									
WI Unique Well No. DNR Well ID No	•	Facility Na									
	MONROE		e Station (Fo	•							
Common Well Name G-3	Gov't Lot (If applicable)	Facility ID		License/Permit/M	onnoring No.						
SE 1/4 of NE 1/4 of Sec. 26	. т 16 м-в 2 ПЕ	Street Addr	ess of Well								
Grid Location	; T, 10 N; R. 2 [X] W	308 Main	St.								
ft. 🔲 N. 🔲 S.,	ft. 🔲 E. 🔲 W.	City, Villag	e, or Town								
	) or Well Location	Norwalk Present Wel	Osuman	Original C	Jumor						
Lat. 43 49 48.48 Long		Manalla Damasahla									
Lat. 43 49 40.40 Long	g 90 3/ 19.// or	Street Address or Route of Owner									
St. Planeft. N	ft. E. 🔲 🔲 Zone	1210 Robi	nhood								
•	Unique Well No.	City, State,	Zip Code								
The state of the s	keplacement Well	Waterford		WI 53185-							
(3) WELL/DRILLHOLE/BOREHOL	E INFORMATION	(4) PUMP,	LINER, SC		SEALING MATERIAL						
Original Construction Date 3/18/2	013	• •	Piping Rem		No X Not Applicable						
Monitoring Well			Removed?		No X Not Applicable						
□ Water Well	If a Well Construction Report	L	Removed? Left in Place?		No X Not Applicable						
X Borehole / Drillhole	is available, please attach.	l — <u> </u>									
Construction Type:		1		1	Yes No						
Drilled Driven (	Sandpoint) 🔲 Dug	1	=	<u>-</u>	Yes No						
[X] Other (Specify) Geoprobe	-	Did Material Settle After 24 Hours? Yes [X] No If Yes, Was Hole Retopped? Yes \( \text{No} \)									
Formation Type:					Yes No						
[X] Unconsolidated Formation	☐ Bedrock			Placing Sealing Materi							
= =		_	ductor Pipe-C	Fravity Conduc	tor Pipe-Pumped						
Total Well Depth (ft.) 12 Ca	asing Diameter (in.)		ened & Pour entonite Chip	red [X] Other ( s)	Explain) Gravity						
(From groundsurface)	asing Depth (ft.)	Sealing	Materials	For	monitoring wells and						
Lower Drillhole Diameter (in.) 2		Neat Cement Grout monitoring well boreholes onl									
Was Well Annular Space Grouted?	☐ Yes ☐ No ☐ Unknown	_	=	oncrete) Grout	Bentonite Chips						
-		. =	crete . Cand Chame	(11 lb /gol wet)   X	Granular Bentonite						
If Yes, To What Depth?	Feet		tonite-Sand S	(11 lb./gal. wt.)	Bentonite - Cement Gro						
Depth to Water (Feet) 7			tonite-Salid S tonite Chips	¹ [	Bentonite - Sand Slurry						
			i	T	Mix Ratio						
(5) Material Used To Fill	Well/Drillhole	From (Ft.)	To (Ft.)	lbs. Sealant	or Mud Weight						
Granular Bentonite		Surface	12	18							
			I	I							
(6) Comments: Abandoned by Geiss und	ler METCO supervision.	******									
(7) Name of Person or Firm Doing Sealing	ng Work Date of Abandon	ment									
Eric Dahl (METCO)	3/18/2013	A Substitute of Assets of		R DNR OR COUNTY	USE ONLY						
Signature of Person Doing Work	Date Signed	—— Date	Received	Noted By	The second secon						
7 /me	Telephone Number	Com	ments								
Street or Route				Construction of the bird between the west of the construction of t							
709 Gillette St. Ste. 3	(608)781-8879	3322333									
City, State, Zip Code LaCrosse W	ı 54603-	1 4 4 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5									
Lav. 1936											

# WELL/DRILLHOLE/BOREHOLE ABANDONMENT Form 3300-5 2/2000 Page 1 of 2

Route to: Drinking Water Waters	hed/Wastewater Waste Manag	ement [X] R	Remediation/R	edevelopment O	ther						
(1) GENERAL INFORMATION WI Unique Well No. DNR Well ID No.	County	Facility Nar		KINFORMATIO	17						
Wi Onique Wen 140.	MONROE	_	e Station (For	morl							
	MONROE	Facility ID	C Edition (x or	License/Permit/N	lonitoring No.						
Common Well Name G-4	Gov't Lot (If applicable)										
SE 1/4 of NE 1/4 of Sec. 26	.т 16 N·R 2 ДЕ	Street Addre	ess of Well	•							
Grid Location	[x] w	308 Main S									
÷ ПиПс	ft. 🔲 E, 🔲 W.	City, Village	e, or Town								
Local Grid Origin (estimated:		Norwalk		IA							
· -		Present Well Owner Original Owner									
Lat. 43 49 48.48 Lon	g <u>90 37 19.77</u> or	Marcella Damaschke Street Address or Route of Owner									
St. Planeft. N	ft. E. $\square \square \square \square$ Zone	*									
	Unique Well No.	City, State, Zip Code									
	keplacement Well	Waterford	-	WI 53185-							
(3) WELL/DRILLHOLE/BOREHOI		(4) PUMP.	LINER, SC	REEN, CASING, 8	SEALING MATERIAL						
			Piping Remo								
Original Construction Date 3/18/2	015		Removed?	<b>-</b>	No X Not Applicable						
Monitoring Well	If a Well Construction Report		Removed?		No X Not Applicable						
water well	is available, please attach.	Casing l	Left in Place?	Yes 2	K) No						
[X] Borehole / Drillhole	-	Was Ca	sing Cut Off l	Below Surface?	γ] Yes ∏ No						
Construction Type:	□ Dua		=		Y Yes ∏ No						
Drilled Driven (	Sandpoint) Dug	Did Material Settle After 24 Hours? Yes X No									
[X] Other (Specify) Geoprobe		If Yes, Was Hole Retopped? Yes No									
Formation Type:		Require	d Method of	Placing Sealing Mater							
[X] Unconsolidated Formation	Bedrock	-	fuctor Pipe-G		ctor Pipe-Pumped						
	2	_	ened & Pour	ed X Other	(Explain) Gravity						
(T)	asing Diameter (in.)	(Be	ntonite Chips	)	Gravity						
(From groundsurface)	asing Depth (ft.)	Sealing Materials For monitoring wells and  Neat Cement Grout monitoring well boreholes only									
Lower Drillhole Diameter (in.) 2											
Was Well Annular Space Grouted?	□ Ves □ No □ Habaque	=	,	ncrete) Grout   E	Bentonite Chips						
			crete	(1471, /1	Granular Bentonite						
If Yes, To What Depth?	Feet			(11 lb./gal. wt.)	Bentonite - Cement Gro						
Depth to Water (Feet) 7		Bentonite-Sand Slurry " " Bentonite - Sand Slurry " " Bentonite - Sand Slurry " "									
		L Den	omie Cmps		Mix Ratio						
(5) Material Used To Fill	Well/Drillhole	From (Ft.)	To (Ft.)	lbs. Sealant	or Mud Weight						
		Surface		10							
Granular Bentonite		Surface	12	18							
(6) Comments: Abandoned by Geiss und	ler METCO supervision.										
(7) Name of Person or Firm Doing Seali	ng Work Date of Abandon	ment									
Eric Dahl (METCO)	3/18/2013	70 (20 / 20 / 20 / 20 / 20 / 20 / 20 / 20	FOI	DNR OR COUNTY	USEONLY						
Signature of Person Doing Work	Date Signed	—— Date	Received	Noted By							
Organism of a cooper of the	4/14/13	6 to 10 to 1	AND THE PARTY OF T								
Street or Route	Telephone Number	—— Con	ments								
709 Gillette St. Ste. 3	(608)781-8879	111111111111111111111111111111111111111									
City, State, Zip Code		7 A Mary (1999) 20 A Ma	**************************************								
LaCrosse W	ı 54603-	113 300 411 30									

# WELL/DRILLHOLE/BOREHOLE ABANDONMENT Form 3300-5 2/2000 Page 1 of 2

Route to: Drinking Water Watershed/Wastewater Waste Maste Master General Information	anagement [X] Remediation/RedevelopmentOther								
WI Unique Well No.   DNR Well ID No.   County	Facility Name								
MONROE	DX Service Station (Former)								
	Facility ID License/Permit/Monitoring No.								
Common Well Name G-5 Gov't Lot (If applical	ble)								
	E Street Address of Well								
Grid Location   X	W 308 Main St.								
ft. N. S.,ft. E. C	City, Village, or Town								
	1101 Walk								
Local Grid Origin (estimated: ) or Well Location	Present Well Owner Original Owner								
Lat. 43 ° 49 ' 48.48 " Long 90 ° 37 ' 19.77	or Marcella Damaschke								
S C N	Street Address or Route of Owner								
St. Plane ft. N. ft. E. DDD Z	Cone 1210 Robinhood								
Reason For Abandonment WI Unique Well No.	City, State, Zip Code Waterford WI 53185-								
Sampling complete of Replacement Well									
(3) WELL/DRILLHOLE/BOREHOLE INFORMATION	(4) PUMP, LINER, SCREEN, CASING, & SEALING MATERIAL								
Original Construction Date 3/18/2013	Pump & Piping Removed? Yes No [X] Not Applicable								
Monitoring Well	Liner(s) Removed? Yes No [X] Not Applicable								
Water Well If a Well Construction Report	Screen Removed? Yes No X Not Applicable								
X   Borehole / Drillhole   is available, please attach.	Casing Left in Place? Yes X No								
<u></u>	Was Casing Cut Off Below Surface? X Yes No								
Construction Type:  Driven (Sandpoint)  Dug	Did Sealing Material Rise to Surface? X Yes No								
	Did Material Settle After 24 Hours? Yes [X] No								
[X] Other (Specify) Geoprobe	If Yes, Was Hole Retopped? Yes No								
Formation Type:	Required Method of Placing Scaling Material								
[X] Unconsolidated Formation	Conductor Pipe-Gravity Conductor Pipe-Pumped								
	Screened & Poured [X] Other (Explain) Gravity								
Total Well Depth (ft.) 12 Casing Diameter (in.) 2  (From groundsurface) Casing Depth (ft.)	(Boltonic Cinps)								
(From groundsurface) Casing Depth (ft.)	Sealing Materials For monitoring wells and  Neat Cement Grout monitoring well boreholes only								
Lower Drillhole Diameter (in.) _2									
Was Well Annular Space Grouted?	Sand-Cement (Concrete) Grout Bentonite Chips								
	Clay Sand Clayry (11 lb /gal wt)								
If Yes, To What Depth? Feet	Bentonite-Sand Slurry " " Bentonite - Cement Gro								
Depth to Water (Feet) 7	Bentonite Chips Bentonite - Sand Slurry								
	Mix Ratio								
(5) Material Used To Fill Well/Drillhole	From (Ft.) To (Ft.) lbs. Sealant or Mud Weight								
Granular Bentonite	Surface 12 18								
(6) Comments: Abandoned by Geiss under METCO supervision.									
(b) Comments: Availabled by Seiss under Will Co super March									
(7) Name of Person or Firm Doing Sealing Work Date of Abar									
Eric Dahl (METCO) 3/18/20	13 FOR DIR OR COUNTY USE ONLY								
Signature of Person Doing Work Date Signed	Date Received Noted By								
5 1/2 4/19/13	Comments:								
Street or Route Telephone Number									
709 Gillette St. Stc. 3 (608) 781-8879									
City, State, Zip Code									
WI 54603-	5 000 000 000 000 000 000 000 000 000 0								

# WELL/DRILLHOLE/BOREHOLE ABANDONMENT Form 3300-5 2/2000 Page 1 of 2

Route to: Drinking Water Watershed/Wastewater Waste Manag	ement [X] Remediation/Redevelopment Other							
(1) GENERAL INFORMATION WI Unique Well No.   DNR Well ID No.   County	Facility Name							
•	DX Service Station (Former)							
MONROE MONROE	Facility ID License/Permit/Monitoring No.							
Common Well Name G-6 Gov't Lot (If applicable)	Facility 1D Licenser et inibitation to ting 140.							
SE 1/4 of NE 1/4 of Sec. $\frac{26}{26}$ ; T. $\frac{16}{26}$ N; R. $\frac{2}{26}$ [V] W	Street Address of Well							
Grid Location 1/4 of Sec. 25 ; T. 10 N; R. 2 [X] W	308 Main St.							
	City, Village, or Town							
ft. N. S., ft. E. W.	Norwalk							
Local Grid Origin (estimated: ) or Well Location	Present Well Owner Original Owner							
Lat. 43 ° 49 48.48 Long 90 ° 37 19.77 "or	Marcella Damaschke							
S. C. N	Street Address or Route of Owner							
St. Planeft. Nft. E. ☐ ☐ Zone	1210 Robinhood							
Reason For Abandonment WI Unique Well No.	City, State, Zip Code							
Sampling complete of Replacement Well	Waterford WI 53185-							
(3) WELL/DRILLHOLE/BOREHOLE INFORMATION	(4) PUMP, LINER, SCREEN, CASING, & SEALING MATERIAL							
Original Construction Date 3/18/2013	Pump & Piping Removed? Yes No X Not Applicable							
	Liner(s) Removed? Yes No X Not Applicable							
Monitoring Well  If a Well Construction Report	Screen Removed? Yes No X Not Applicable							
Water Well is available, please attach.	Casing Left in Place? Yes [X] No							
X Borehole / Drillhole	Was Casing Cut Off Below Surface?   X   Yes							
Construction Type:	Did Scaling Material Rise to Surface? X Yes No							
☐ Drilled ☐ Driven (Sandpoint) ☐ Dug	Did Material Settle After 24 Hours? Yes X No							
X Other (Specify) Geoprobe	If Yes, Was Hole Retopped? Yes No							
Formation Type:	Required Method of Placing Sealing Material							
X Unconsolidated Formation Bedrock	Conductor Pipe-Gravity Conductor Pipe-Pumped							
2	Screened & Poured [X] Other (Explain) Gravity							
Total Well Depth (ft.) Casing Diameter (in.)	(Bentonite Chips) Gravity							
(From groundsurface) Casing Depth (ft.)	Sealing Materials For monitoring wells and							
Lower Drillhole Diameter (in.) 2	Neat Cement Grout monitoring well boreholes only							
	Sand-Cement (Concrete) Grout Bentonite Chips							
Was Well Annular Space Grouted?	Concrete X Granular Bentonite							
If Yes, To What Depth? Feet	Clay-Sand Slurry (11 lb./gal. wt.) Bentonite - Cement Group							
D. d. W. (Fin) 7	Bentonite-Sand Slurry " "							
Depth to Water (Feet) 7	T Denionite Cirips							
(5) Material Used To Fill Well/Drillhole	From (Ft.) To (Ft.) lbs. Sealant Mix Ratio or Mud Weight							
	Surface 12 18							
Granular Bentonite	12 10							
All I allow Color and METCO guarantees								
(6) Comments: Abandoned by Geiss under METCO supervision.								
(7) Name of Person or Firm Doing Sealing Work Date of Abandon	ment							
Eric Dahl (METCO) 3/18/2013	FOR DIR OR COUNTY USE ONLY							
Signature of Person Doing Work Date Signed	— Date Received Noted By							
8_/me 4/14/13	A PRODUCTION OF THE PRODUCTION							
Street or Route Telephone Number	Comments							
709 Gillette St. Ste. 3 (608) 781-8879								
City, State, Zip Code								
LaCrosso WI 54603-								

# WELL/DRILLHOLE/BOREHOLE ABANDONMENT Form 3300-5 2/2000 Page 1 of 2

Route to: Drinking Water Watershed/Wastewater	Waste Manag	ement XR	emediation/R	edevelopment Oth	er						
(1) GENERAL INFORMATION				R INFORMATION							
WI Unique Well No. DNR Well ID No. County		Facility Nam	e Station (For								
MONROE		Facility ID	Station (For	License/Permit/Mo	unitoring No						
Common Well Name G-7 Gov't Lot (	If applicable)	racinty 1D		Bitting i time iii	Allied Hig 110.						
SE 1/4 of NE 1/4 of Sec. 26 ; T. 16 N; R. 2	2  □	Street Addre	ss of Well	1							
Grid Location 1/4 of Sec. 1, 1, 20 1, 10 2	X] W	308 Main S									
ft. N. S.,ft.	le □w[	City, Village	, or Town								
Local Grid Origin (estimated: ) or Well Location		Norwalk	O	Oviginal O							
		Present Well Owner  Marcella Damaschke  Original Owner									
Lat. 43 ° 49 ' 48.48 " Long 90 ° 37 ' 19	·// or	Street Addre		f Owner							
St. Planeft. Nft. E	] 🗀 🗋 Zone			2 0 111111							
Reason For Abandonment   WI Unique Well No.		City, State, 2	ip Code								
Sampling complete of Replacement Well		Waterford		WI 53185-							
(3) WELL/DRILLHOLE/BOREHOLE INFORMATION		(4) PUMP, I	LINER, SC	REEN, CASING, & S	SEALING MATERIAL						
Original Construction Date 3/18/2013		Pump &	Piping Remo	wed? Yes	No X Not Applicable						
			Removed?		No [X] Not Applicable						
☐ Monitoring Well ☐ Water Well ☐ If a Well Construction	n Report		kemoved?		No [X] Not Applicable						
X   Borehole / Drillhole   is available, please att	tach.	Casing L	eft in Place?	Yes X	No						
Construction Type:		Was Cas	ing Cut Off I	Below Surface? [X]	Yes 🔲 No						
	Dug	Did Seal	ing Material	Rise to Surface? X	Yes 🔲 No						
Diver (Samponit)	_	Did Material Settle After 24 Hours? Yes X No									
[X] Other (Specify) Geoprobe		If Yes,	Was Hole R	etopped?	Yes No						
Formation Type:		Require	d Method of l	Placing Sealing Materia							
[X] Unconsolidated Formation	_	_	luctor Pipe-G		or Pipe-Pumped						
Total Well Depth (ft.) 12 Casing Diameter (in.)	2	Scree	ened & Pour ntonite Chips	ed [X] Other (I	Explain) Gravity						
(From groundsurface) Casing Depth (ft.)					monitoring wells and						
	<del></del>	Sealing Materials For monitoring wells and monitoring well boreholes only									
Lower Drillhole Diameter (in.) 2		Sand-Cement (Concrete) Grout Bentonite Chips									
Was Well Annular Space Grouted?	Unknown	Concrete   X Granular Bentonite									
If Yes, To What Depth? Feet		Clay	-Sand Slurry	(11 lb./gal. wt.) i	Bentonite - Cement Grou						
-			onite-Sand Si	шту " " 🗆							
Depth to Water (Feet)		☐ Bent	onite Chips		Bentonite - Sand Slurry						
(5) Material Used To Fill Well/Drillhole		From (Ft.)	To (Ft.)	lbs. Sealant	Mix Ratio or Mud Weight						
			, ,		01 17100 17 018111						
Granular Bentonite		Surface	12	18							
(6) Comments: Abandoned by Geiss under METCO supervisi	ion.										
(7) Name of Person or Firm Doing Sealing Work Dal	te of Abandon	ment									
(/)	3/18/2013		FOI	DNR OR COUNTY I	USEONLY						
Eric Dam (METCO)		Date	Received	Noted By							
Signature of Person Doing Work  Date Signature  1/10	4/13	Amende Am			The second of th						
Street or Route Telephone Number		—— Com	ments								
709 Gillette St. Ste. 3 (608)781-88		The second of th		A CONTROL OF THE PROPERTY OF T							
City, State, Zip Code		1000 000 000 000 000 000 000 000 000 00	1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -		PACE PARENT AND A PACE						
LaCrosse WI 54603-		2107.1117.0	popular productivi del Colonia	**************************************	A CONTRACTOR CONTRACTO						

# WELL/DRILLHOLE/BOREHOLE ABANDONMENT Form 3300-5 2/2000 Page 1 of 2

Route to: Drinking Water Waters	hed/Wastewater 🔲 Waste Manag										
(1) GENERAL INFORMATION				R INFORMA'	ION						
WI Unique Well No. DNR Well ID No		Facility Nar									
	MONROE		Station (For								
	Gov't Lot (If applicable)	Facility ID		License/Pern	nit/Monito	ring No.					
SE 1/4 of NE 1/4 of Sec. 26	. T. 16 N; R. 2	Street Addre									
Grid Location	; T. 10 N; R. 2 X W	308 Main S									
fr. □ N. □ S.,	ft. 🔲 E. 🔲 W.	City, Village	e, or Town								
Local Grid Origin (estimated:	l l	Norwalk Present Well	O	Owigi	nal Owner						
~	1			Urigii	iai Ownei						
Lat. 43 ° 49 48.48 " Long	g <u>90 37 19.77</u> or	Marcella Dai		of Ossman							
St. Planeft. N	ft. E. $\square \square \square$ Zone	Street Address or Route of Owner 1210 Robinhood									
St. Plane ft. N. WI  Reason For Abandonment WI	Unique Well No.	City, State, 2									
	eplacement Well	Waterford	_	WI 53185	_						
(3) WELL/DRILLHOLE/BOREHOL		(4) PUMP.	LINER, SC	REEN, CASIN	G. & SEA	LING MATERIAI					
	· · · · · · · · · · · · · · · · · · ·		Piping Remo			X Not Applicable					
Original Construction Date 3/18/2	<u>013                                    </u>		Removed?	_		X Not Applicable					
Monitoring Well	If a Wall Construction Barrent		Removed?			X Not Applicable					
I I Water Well I	If a Well Construction Report is available, please attach.	Casing l	eft in Place?		s X No	• •					
X Borehole / Drillhole	s available, prouse armeri	Was Ca	sing Cut Off l	Below Surface?		s 🔲 No					
Construction Type:	<u> </u>			Rise to Surface?		s ∏ No					
Drilled Driven (5	Sandpoint) 🔲 Dug			fter 24 Hours?		s [x] No					
[X] Other (Specify) Geoprobe			, Was Hole R			s∏ No					
Formation Type:			•			» 🗆 🚻					
[X] Unconsolidated Formation	☐ Bedrock			Placing Sealing N							
	Bedrock	_	luctor Pipe G			ipe-Pumped					
Total Well Depth (ft.) 12 Ca	asing Diameter (in.)	∐ Scre (Be	ened & Pour ntonite Chip:	ed [X] O	ther (Expla	ain) Gravity					
	asing Depth (ft.)		Materials	·/	For moni	toring wells and					
_			Cement Gro	ut		ng well boreholes only					
Lower Drillhole Diameter (in.) 2	<del></del>	Sand-Cement (Concrete) Grout   Rentonite Chins									
Was Well Annular Space Grouted?	Yes No Unknown										
If Yes, To What Depth?	Feet	☐ Clay	-Sand Slurry	(11 lb./gal. wt.)	i						
It les, to what Dopait		☐ Bent	onite-Sand S	Ішту " "	$_{1}=$	ntonite - Cement Grou					
Depth to Water (Feet) 7		☐ Ben	tonite Chips		Bei	ntonite - Sand Slurry					
(5) Material Used To Fill	Well/Drillhole	From (Ft.)	To (Ft.)	lbs. Sealant	t	Mix Ratio or Mud Weight					
						or wide worgh					
Granular Bentonite		Surface	12	18							
(6) Comments: Abandoned by Geiss und	ler METCO supervision.										
(7) Name of Person or Firm Doing Sealis	ng Work Date of Abandon	ment									
Eric Dahl (METCO)	3/18/2013	A Part Separate of the Control of th	FO.	R DNR OR COU	NTY USE	ONEY					
Signature of Person Doing Work	Date Signed	— Date	Received	Noted B	<b>y</b>						
Signature of Person boning work	4/14/12				A 10.2 10.2 10.2 10.2 10.2 10.2 10.2 10.2						
Street or Route	Telephone Number	—— Con	ments								
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# WELL/DRILLHOLE/BOREHOLE ABANDONMENT Form 3300-5 2/2000 Page 1 of 2

Route to: Drinking Water Waters	hed/Wastewater 🔲 Waste Manag										
(1) GENERAL INFORMATION		(2) FACILITY/OWNER INFORMATION									
WI Unique Well No. DNR Well ID No	l I	Facility Nat									
	MONROE		Station (For								
Common Well Name G-10	· · · · · · · · · · · · · · · · · · ·	Facility ID		License/Permit/Mo	nitoring No.						
SE 1/4 of NE 1/4 of Sec. 26	. т 16 N: R. 2	Street Addre	ess of Well		<u> </u>						
Grid Location	, [x] w	308 Main S									
	ft. 🔲 E. 🔲 W.	City, Villag	e, or Town								
		Norwalk									
Local Grid Origin (estimated:		Present Well Owner Original Owner									
Lat. 43 49 48.48 Long	90 <u>37</u> 19.77 or	Marcella Da									
	S C N	Street Address or Route of Owner									
St. Plane ft. N.	ft. E. 🔲 🔲 Zone Unique Well No.	1210 Robi									
			_	un 52105							
	eplacement Well	Waterford		WI 53185-							
(3) WELL/DRILLHOLE/BOREHOL	E INFORMATION				BEALING MATERIAL						
Original Construction Date 3/18/2	013		Piping Remo		No X Not Applicable						
Monitoring Well		\ ` *	Removed?		No X Not Applicable						
Water Well	f a Well Construction Report		Removed?		No X Not Applicable						
I 1	s available, please attach.	Casing	Left in Place?	Yes X	No						
X Borchole / Drillhole		Was Ca	sing Cut Off	Below Surface? X	Yes 🔲 No						
Construction Type:	Sandnoint) Dug	Did Sea	ling Material	Rise to Surface? X	Yes No						
☐ Drilled ☐ Driven (S	Sandpoint) L Dug			fter 24 Hours?	Yes X No						
[X] Other (Specify) Geoprobe			, Was Hole R		Yes No						
Formation Type:			•	Placing Sealing Materia							
X Unconsolidated Formation	☐ Bedrock			~ <u>~</u> ~							
• •		Conductor Pipe-Gravity Conductor Pipe-Pumped  Screened & Poured X Other (Explain)									
Total Well Depth (ft.) 12 Ca	sing Diameter (in.)	Screened & Poured [X] Other (Explain) Gravity									
(T)	sing Depth (ft.)		Materials	· · · · · · · · · · · · · · · · · · ·	nonitoring wells and						
Lower Drillhole Diameter (in.) 2		Neat Cement Grout monitoring well boreholes only									
Lower Diminole Diameter (iii.)	<del></del> .	☐ Sand	l-Cement (Co	ncrete) Grout	Bentonite Chips						
Was Well Annular Space Grouted?	Yes No Unknown	Сол	crete		Granular Bentonite						
If Yes, To What Depth?	Feet	Clay	-Sand Slurry	(11 lb/gal, wt.) i							
It 100, 10 What 25pm		☐ Ben	onite-Sand S	iurry " " 🗀	Bentonite - Cement Grou						
Depth to Water (Feet) 7		☐ Ben	tonite Chips		Bentonite - Sand Slurry						
(5) Material Used To Fill	Well/Drillhole	From (Ft.)	To (Ft.)	lbs. Sealant	Mix Ratio or Mud Weight						
		Surface	10	10							
Granular Bentonite			12	18							
(6) Comments: Abandoned by Geiss und	er METCO supervision.										
(7) Name of Person or Firm Doing Sealing	ng Work Date of Abandon	ment									
Eric Dahl (METCO)	3/18/2013	9 / San A Paris	FO	R DNR OR COUNTY I	SEONLY						
Signature of Person Doing Work	Date Signed ,	— Date	Received	Noted By							
Signature of Felson Doing Work	4/14/13	An early of a service of the service	20 miles   10 miles		The second secon						
Street or Route	Telephone Number	Con	ments								
709 Gillette St. Stc. 3	(608)781-8879	1 mg 2 mg 2 mg 2 mg 2 mg 2 mg 2 mg 2 mg									
City, State, Zip Code		7 2 2 7 2 7 2 2 2 2 2 2 2 2 2 2 2 2 2 2									
LaCrosse W	i 54603-	7 (2) (2) (3) (4) (4) (4) (4) (4) (4) (4) (4) (4) (4			VIII AND THE CONTRACT OF THE C						

# APPENDIX D/ WASTE DISPOSAL DOCUMENTATION

# DKS Transport Services, LLC N7349 548th Street Menomonie, WI 54751 715-556-2604 INVOICE CUSTOMER OXJOB NAME 308 MANU ST NONALL WI CASH CHECK # SIN-HOUSE ACCOUNT

AUD	ITITY						
DATE	SHIPPED	DESCRIPTION	QTY.	UNIT PR	ICE	AMOU	ΝΤ
		Mobilnaties	1	274	_	274	ŀ
	Ì	Haul soil draw to Adamsed Deposed - ET WE Haul world draw to Adamsed Deposed - ET WI	1	103		103	ŀ
	j	Hayl woter draw to Advanced Deposal tel WI	(	40	10	40	
					;		
		Mandl Toy					
		11/1/2014					Ī
		10ght Total					1
	eipt of invo	ice. Charge (18% Annual Percentage Rate) will be added to past due accounts			TAL	417	1

SIGNATURE \_\_\_\_\_

In. Washe Dispose! Noviewed 8/22/13

# **APPENDIX E/ OTHER DOCUMENTATION**

# LUST and Petroleum Analytical and QA Guidence 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	GRO²	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	DRO³	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>	DRO³ PAH <sup>I3</sup> 14
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	DRO³	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</sup> <sup>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

		ATER SAMPLES		
Test	Original Sample Container	Preserved	Holding Time to Analysis	
WET CHEMISTRY				
Alkalinity SM2320B/EPA 310.2	250 mL HDPE	4°C	14 days	
Ammonia EPA 350.1	250 mL HDPE	4°C, pH<2 with H₂SO <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 H₂SO <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 HNO₃	180 days	
TKN EPA 351.2	1 Liter HDPE	4°C, pH<2 with H₂SO <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 H₂SO₄	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 H₂SO <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 H₂SO₄	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	
METALS			j / Juays	
Metals	250 mL HDPE	4°C, pH<2 with HNO₃	6 months	
Mercury SW8467470/EPA 245.1	250 mL HDPE	4°C, pH<2 with HNO <sub>3</sub>	28 days	
ORGANICS			1 20 days	
	1 Liter amber glass,		<u> </u>	
Semivolatiles SW846 8270C	collect 2 for one of the samples submitted .	4°C	7 days extr. 40 days following extr	
PAH SW846 8270C	Liter amber glass,     collect 2 for one of the     samples submitted	4°C	7 days extr. 40 days following extr	
PCB SW846 8082	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	Liter amber glass with     Teflon lined cap	4°C, 5 mL 50% HCI	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 Teffon 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

Original			Holding Times from Date and Time of Collection				
Test	Sample Container	Preserved	Solvent Addition	Shipping	Extraction	Analysis	
METALS							
Metals	2 oz glass or soil cup	4°C	NA	NA	NA	180 days	
Mercury SW846 7471	2 oz glass or soil cup	4°C	NA	NA	NA	28 days	
Chromium Hexavalent SM3500-Cr	2 oz glass or soil cup	4°C	NA	NA	NA	24 hours	
ORGANICS	The state of the s						
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.

Island.	NR 140 CAS	Fed MCL (ug/l) (If Red,	NR 140 ES (ug/l)	RCL-gw (mg/kg) DF=1	Use 2, or input the calculated site-specific DF	INPUT NUMERIC SOIL Site Data	ice EFlag-E = Individual	Type BRRTS No. Here (If Known). Assess groundwate
NR140 Substance		MCL>ES)	(~9.1)	(mg/kg/ bi =t	->	Max (mg/kg)	Exceedance!	data separately.
Acetochlor	34256-82-1	+	7.	, 0.0056	, 0.0111		<b>K</b>	
Acetone	67-64-1		9,000.	, 1.8383	, 3.6766			Click here to Clear
Alachior	15972-60-8	3 , 2.	, 2.	, 0.0017	, 0.0033			(Column K) Site Entries
Aldicarb	116-06-3	•	, 10.	. 0.0025	, 0.005		Market St.	
Aluminum	7429-90-5		,200.	,300.	,600.			4
Antimony	7440-36-0		, 6.	, 0.271	, 0.542			ğ
Anthracene	120-12-7		3,000.	, 98,8636	,197.7273		direction in	-
Arsenic Aratina, total chlorinated residues	7440-38-2		, 10.	0.292	, 0.584 , 0.0039		organica de la composición dela composición de la composición de la composición de la composición de la composición de la composición dela composición dela composición dela composición de la composición de la composición de la composición de la composición dela composición dela composición dela composición dela composición dela composición dela composición dela composición dela composici	1
Barium	1912-24-9 7440-39-3	•	, 3. 2,000.	82.4	,164.8		dia .	ž
Bentazon	25057-89-0		,300.	0.0657	, 0.1314		EGES CONTRACTOR	9
Benzene	71-43-2		, 5.	0.0026	. 0.0051			** **
Benzo(a)pyrene (PAH)	50-32-8		, 0.2	0.235	, 0.47		e Carlos	2
Benzo(b)fluoranthene (PAH)	205-99-2		, 0.2	0.2397	, 0.4793			
Beryllium	7440-41-7		, 4.	, 3.16	, 6.32	ablik milibila		
Boron	7440-42-8	-	1,000.	3.208	, 6.416			
Bromodichioromethane (THM)	75-27-4	· ·	, 0.6	, 0.0002	, 0.0003			
Bromoform (THM)	75-25-2		, 4.4	, 0.0012	, 0.0023		0040	
Bromomethane	74-83-9		, 10.	, 0.0025	, 0.0051			
Butylate	2008-41-5		,400.	, 0.3887	, 0.7773			
Cadmium	7440-43-9	•	, 5,	, 0.376	, 0.752 , 0.0726			
Carbaryi Carbofuran	63-25-2 1563-66-2		, 40. , 40.	0.0363	, 0.0720			
Carbon disulfide	75-15-0		1,000.	0.2959	0.5919			
Carbon tetrachloride	56-23-5		, 5.	0.0019	, 0.0039		Mark Carlo	
Chloramben	133-90-4		150.	, 0.0364	, 0.0729		Marie 1	
Chlorodifluoromethane	75-45-6		7,000.	, 2.8942	, 5.7885			
Chioroethane	75-00-3	-	,400.	, 0.1133	, 0.2266	11.0	and the control of the control	
Chloroform (THM)	67-66-3	, 80,	, 6.	, 0.0017	, 0.0033			
Chlorpyrifos	2921-88-2		, 2.	, 0.0294	, 0.0588			
Chloromethane	74-87-3		, 30.	0.0078	, 0.0155			
Chromium (total)	7440-47-3		,100.	180,000. No Cr-Vi	360,000. If no Cr-VI			Re-assess if Cr-VI present
Chrysene (PAH)	218-01-9 7440-48-4		, 0,2 , 40.	, 0.0723 , 1.8037	, 0.1446 , 3.6073	11111111		
Cobalt Copper	7440-50-8		1,300.	, 45.8	, 91.6			
Cyanazine	21725-46-2		, 1,	0.0005	, 0.0009	5 5 5 5 6	15	
Cyanide, free	57-12-5		,200.	2.02	4.04			
Dacthal (DCPA)	1861-32-1	-	, 70.	0.0852	, 0.1705			
1,2-Dibromoethane	106-93-4	, 0.05	, 0.05	1.41E-05	2.82E-05			
Dibromochloromethane (THM)	124-48-1	, 80.	, 60.	, 0.016	, 0.032	أست بندنين		
I.2-Dibromo-3-chioropropane (DBCP)	96-12-8		, 0.2	8.64E-05	, 0.0002		Mark Street	
Dibutyl phthalate	84-74-2		1,000.	, 2.5194	, 5.0388	- ur	<b>Market Comment</b>	
Dicamba 1,2-Dichlorobenzene	1918-00-9 95-50-1	_600.	,300. ,600.	, 0.0776 , 0.584	, 0.1553 , 1.168		Bearing and	
1,3-Dichlorobenzene	541-73-1	,000.	,600.	0.5764	1.1528		a la company	
1,4-Dichlorobenzene	106-46-7	, 75.	, 75.	, 0.072	, 0.144			
Dichlorodifluoromethane	75-71-8	-	1,000.	1.5431	, 3.0863	4		
1,1-Dichloroethane	75-34-3	-	,850.	0.2414	, 0.4828			
1,2-Dichloroethane	107-06-2	<b>.</b> 5.	, 5.	, 0.0014	, 0.0028	9		
1,1-Dichloroethylene	75-35-4	7.	, 7.	, 0.0025	, 0.005			
1,2-Dichloroethylene (cis)	156-59-2		, 70.	, 0.0206	, 0.0412			
1,2-Dichloroethylene (trans)	156-60-5	,100.	,100.	, 0.0294	, 0.0588			
2,4-Dichlerophenerywoolic acid (2,4-D)	94-75-7	, 70.	, 70.	, 0.0181	, 0.0362			
1,2-Dichloropropane	78-87-5	, 5.	, 5.	, 0.0017	, 0,0033	Talia atlay in A		
13-CS:Nampropers (ch/mrs; 17-store)	542-75-6 117-81-7		, 0.4 , 6.	, 0.0001 , 1.44	, 0.0003 , 2.88			
Di (2-ethylhexyl) phthalate Dimethoate	60-51-5	, 6.	, o. , 2.	, 0.0005	, 0,0009			
2,4-Dinitrotoluene	121-14-2	-	, 0.05	6.75E-05	, 0.0003		and the	
2,6-Dinitrotoluene	606-20-2	-	, 0.05	6.88E-05	, 0.0001	vac state 🛍		•
Dinămtoluene, Total Residues	25321-14-6	-	0.05	6.88E-05	, 0.0001			
Dinoseb	88-85-7	, 7.	, 7.	, 0.0615	, 0.123		MARKET STATE	
1,4-Dioxane (p-dioxane)	123-91-1	-	, 3.	, 0.0006	, 0.0012			
Dioxin (2,3,7,8-TCDD)	1746-01-6	3.00E-05	3.00E-05		3.00E-05			
Endrin	72-20-8	, 2.	, 2.	. 0.0808	, 0.1616			
EPTC	759-94-4	-	,250	, 0.132	, 0.264			

Find	NR 140 CAS	Fed MCL (ug/l) (If Red,	NR 140 ES	RCL-gw	Use 2, or input the calculated	INPUT NUMERIC
MD440 Cubeteres		MCL>ES)	(ug/l)	(mg/kg) DF=1	site-specific DF 2.00	Max (mg/kg) Individual
NR140 Substance Ethylbenzene	100-41-4	700	.700.	A 70F	129	Exceedance
•			1,000.	, 0.785	1.57	
Ethyl Ether (Diethyl Ether)				, 0.2239	, 0.4478	
Ethylene glycol	107-21-1		14,000.	, 2.8279	, 5.6559	Company of the Compan
Fluoranthene	206-44-0	· -	,400.	, 44.4389	, 88.8778	
Fluorene (PAH)	86-73-7		,400.	, 7,4014	, 14.8027	
Fluoride	7782-41-4	-	4,000.	,601.	1,202.	
Fluorotrichloromethane			3,490.	, 2.2379	, 4.4758	1850 300 700 800 60
Formaldehyde	50-00-0		1,000.	, 0.202	, 0.404	
Heptachlor	76-44-8	,	, 0.4	, 0.0331	, 0.0662	(All and the second
Heptachlor epoxide		1 11-	, 0.2	, 0.0041	, 0.0082	Continue and a second
Hexachlorobenzene		, 1.	, 1.	, 0.0126	, 0.0252	
n-Hexane	110-54-3		,600.	, 4.2222	, 8 <sub>-</sub> 4444	4
Lead	7439-92-1	, 15.	, 15.	, 13.5	, 27.	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Lindane	58-89-9	, 0.2	, 0.2	, 0.0012	, 0.0023	
Manganese	7439-96-5	-	,300.	, 19.6074	, 39.2148	The Paris of States
Mercury	7439-97-6	, <b>2</b> .	, 2.	, 0.104	, 0.208	
Methanol	67-56-1	*	5,000.	, 1.01	, 2.02	Section 1
Methoxychlor	72-43-5	, 40.	, 40.	, 2.16	, 4.32	
Methylene chloride	75-09-2	, 5.	, 5.	, 0.0013	. 0.0026	
Methyl othyl ketone (MEK)	78-93-3	-	4,000.	, 0.833		
Methyl isobutyl kelone (MIBK)	108-10-1	•	,500.	0.1133	, 0.2266	20 C 10 C 10 C 10 C 10 C 10 C 10 C 10 C
McInyl tert-butyl ether (MTSE)	1634-04-4	-	, 60.	, 0.0135	, 0.027	
Metolachlor/s-Metolachlor	51218-45-2	-	,100.	, 0.1178	, 0.2356	
Metribuzin	21087-64-9	*	, 70.	, 0.0214	, 0.0427	
Molybdenum	7439-98-7	-	, 40.	, 0.8096	, 1.6192	
Monochlorobenzene	108-90-7	100.	,100.	, 0.0679	, 0.1358	
Naphthalene	91-20-3	-	,100.	0.3291	, 0.6582	personal transfer
Nickel	7440-02-0	-	,100.	, 6.5306	, 13.0612	
N-Nitrosodiphenylamine (NDPA)	86-30-6	-	, 7.	, 0.0382	, 0.0764	
Pentachlorophenol (PCP)	87-86-5	, 1.	, 1.	, 0.0101	, 0.0202	
Phenol	108-95-2	•	2,000.	, 1.1473	, 2.2946	
Picloram	1918-02-1	500.	,500.	. 0.139	, 0.278	
Polychlerinated biphenyls (PCBs)	1336-36-3	0.5	, 0.03	, 0.0047	, 0.0094	
Prometon	1610-18-0	-	100.	0.0474	, 0.0949	
Propazine	139-40-2	-	, 10.	, 0.0089	, 0.0178	Para Para
Pyrene (PAH)	129-00-0	-	,250,	, 27.0661	, 54.1322	
Pyridine	110-86-1	-	, 10.	0.0034	, 0.0069	
Selenium	7782-49-2	, 50.	, 50.	, 0.26	, 0.52	
Sitver	7440-22-4	-	, 50.	. 0.425	, 0.85	
Simazine	122-34-9	, 4.	, 4.	0.002	, 0,0039	
Styrene	100-42-5	,100.	,100.	, 0.11	, 0.22	
Tertiary Butyl Alcohol (TBA)	75-65-0	-	, 12.	, 0.0025	, 0.0049	
1,1,1,2-Tetrachloroethane	630-20-6	-	, 70.	, 0.0267	, 0.0534	
1,1,2,2-Tetrachloroelhane	79-34-5	-	, 0.2	7.82E-05	, 0.0002	
Tetrachlomethylene (PCE)	127-18-4	. 5.	, 5.	, 0.0023	, 0.0045	
Tetrahydrofuran	109-99-9	-	50.	0.0111	, 0.0222	
Thatlium	7440-28-0	<b>, 2</b> .	, 2.	, 0.142	, 0.284	
Toluene	108-88-3	1,000.	,800.	0.5536	, 1.1072	
Toxaphene	8001-35-2	3.	, 3.	, 0.464	, 0.928	
1,2,4-Trichlorobenzene	120-82-1	, 70.	, 70.	, 0.204	0.408	
1,1,1-Trichloroethane	71-55-6	,200.	,200.	, 0.0701	, 0.1402	
1,1,2-Trichloroethane	79-00-5	, 5.	, 5.	, 0.0016	, 0.0032	
Trichloroethylene (TCE)	79-01-6	5.	, 5.	, 0.0018	, 0.0036	
2.4,5-Tatalogia-companies and (2.4,6-Textural)	93-72-1	50.	, 50.	0.0275	, 0.055	
1,2,3-Trichloropropane	96-18-4		, 60.	0.0259	, 0.0519	\$46 mail (10)
Trifluralin	1582-09-8	-	, 7.5	, 0.2474	, 0.4948	1,000,000,000
Transferences (1.2.6 and 1.3.5 continue	95-63-6 / 108-67-8	-	,480.	0.691	, 1.3821	
Vanadium	7440-62-2	-	, 30.	30,	, 60.	
Vinyl chloride	75-01-4	. 2.	0.2	6.90E-05	, 0.0001	The second second
Xylenes (m-, o-, p- combined)	1330-20-7	10,000.	2,000.	1.97	, 3.94	
						4-10-10-10-10-10-10-10-10-10-10-10-10-10-

Type BRRTS No. Here (If Known), Assess groundwater data separately. Residential setting. Not-To-Exceed D-C RCLs from web-calculator at: http://epa-prgs.oral.gov/cgi-b/n/chemicals/rs/\_search (Chicago as climatic zone)

Exceed D-C RCL defaults to 100,000 mg/kg if web-calculator result or Csat exceeds 10% by weight (the ceiling limit concentration defined in EPA RSL Users Guide)

Basis: ca = cancer; nc = non-cancer; Csat = soil saturation concentration; ceilting = 10%.

Background threshold values are non-outlier trace element maximum levels in Wisconsin surface soils from the USGS Report at: http://pubs.negs.gov/sir26+1/52^2.

1. Enter data in yellow cells. Numeric-only values under "INPUT Site Data." For ND, use detection limit. Do not type 🛂 NA' nor 'space bar." Leave purple cells 'as is." After completing data entry, click "Get Summary" in Row 872. Click to go there. Click to Clear INPUT Site Data Entries (Column H) omparison / Hazard Index / Cumulative Cancer Risk (Contaminants not in the provided list can be added starting at Row 860.) Target CR used: Hazard Quotient (HQ) from Data Not-To-Exceed D-C Flag E = Individual Find NC RCL CRCL INPUT Site Data Cancer Risk (CR) from (mg/kg) 4,220.000 7.470 7.470 818.000 thylbenzene Csat 108-88-3 5,300,000 .258.000 .59.400 Csat 59.400 viethyl tert-Butyl Ether (MT8E) ca 1634-04-4 23,800,000 .608 107-06-2 46.700 608 ca Dichloroethane, 1,2-Dibromoethane, 1,2-107,000 047 106-93-4 ca 79-01-6 127-18-4 ,6.050 ,115.000 1 260 1 260 ca Trichloroethylene Tetrachloroethylene 30.700 ca /inyl Chloride 75-01-4 93 300 ..067 067 ca .342.000 Dichloroethylene 1.1 Dichloroethylene, 1,2-trans-Dichloroethylene, 1,2-cis-1.560,000 156-60-5 1 560 000 nc 156.000 156.000 12 300 000 640,000 Csat Frichloroethane, 1,1,1-71-55-6 .854 ,89.800 137.000 .854 arbon Tetrachloride Trimethylbenzene, 1,2,4-Trimethylbenzene, 1,3,5-,89.800 782.000 95-63-6 108-67-8 91-20-3 182 000 Csat 5.150 188.000 Naphthalene 50-32-8 83-32-9 .015 015 enzo[a]pyrene 3,440.000 3,440.000 cenaphthene 208-95-8 120-12-7 17 200 000 cenaphthylene 17,200,000 othracene 148 ..148 Benz[a]anthracene 56-55-3 ca 205-82-3 -377 377 ca ca enzo(j)fluoranthene 148 .148 Benzo[b]fluoranthene Benzo[g,h,i]perylene 205-99-2 191-24-2 207-08-9 1.480 Benzolkifluoranthene 14.800 218-01-9 .14.800 ca .015 Dibenz[a,h]anthracene .015 .038 Dibenzo(a,e)pyrene Dimethylbenz(a)anthracene, 7,12 192-65-4 ca 57-97-6 4 31F-04 ca 2,290,000 2,290.000 206-44-0 Fluoranthene 86-73-7 193-39-5 2,290,000 2,290.000 Fluorene Indeno[1,2,3-cd]pyrene 15.600 4 010 000 15 600 dethylnaphthalene. 90-12-0 ca 229.000 229.000 Methylnaphthalene, 2 ..377 .37 57835-92-4 ca litropyrene, 4 198-55-0 erylene 85-01-8 129-00-0 7429-90-5 1,720,000 1.720.000 ńċ Pyrene 77,500,000 77,500,000 nc 28,721. luminum ,34.300 15,300.000 7440-38-2 613 613 ça Arsenic, Inorganic ,364. 15,300.000 Barium Beryllium and compounds 7440-39-3 ПĊ ,156.000 1.580.000 nc nc 7440-41-7 156,000 70.000 2,110.000 7440-43-9 Cadmium (Diet) 14,536 7440-70-2 18540-29-9 ,234.000 hromium(VI) 16065-83-1 117,000,000 -7440-47-3 -100 000 000 hromium(III), insoluble Salts ceiling Chromium, Total 7440-48-4 23.400 422.000 .23.400 nc .22. obalt 7440-50-8 3,130,000 3,130 ,35 3,130.000 Copper Mercury (elemental) 7439-97-6 14 700 Csat 7439-89-6 54 800.000 34,314. nc

400.000

8,290.

on Iagnesium

ead and Compounds

7439-95-4

7439-92-1

400 000 -

# Site-specific

# Resident Screening Levels (RSL) for Soil

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

Chemical	Volatilization Factor 3 (m <sup>° J</sup> kg)		Particulate Emission Factor (m <sup>3</sup> /kg)	Ingestion SL TR=1.0E-6 (mg/kg)	SL	SL	Carcinogenic SL TR=1.0E-6 (mg/kg)	Ingestion SL Child HQ=1 (mg/kg)	Dermal SL Child HQ=1 (mg/kg)	Inhalation SL Child HQ=1 (mg/kg)
Benzene	5.49E+03	1.82E±03	1.56E+09	1.16E±01	instruction section	1.71E+00	1.49E+00	3.13E+02	Percentilian Constitution	1.72E+02
Cadmium (Diet)		-	1.56E+09	_	-	2.11E+03	2.11E+03	7.82E+01	6.98E+02	1.63E+04
Carbon Tetrachloride	2,32E+03	4.58E+02	1,56E+09	9.15E+00		9.42E-01	8.54E-01	3.13E+02		2,42E+02
Dibromoethane, 1,2-	1.34E+04	1.34E+03	1.56E+09	3.20E-01		5.45E-02	4.65E-02	7.04E+02		1.26E+,02
Dichloroethane, 1.2	7.11E+03	2.98E+03	1.56E+09	7.04E+00		6.65E-01	6.08E-01	4.69E+02		5.19E+01
Dichloroethylene, 1,1-	1.80E+03	1.19E+03	1.56E+09	_		-		3.91E+03		3.75E+02
Dichloroethylene. 1.2-cis-	3:88⊑+03	2,37E+03	1.56E+09	3.464	r. 25 13 <u>.</u> Ai	res se ascreon		1.56E+02		2 2 2 2 2 1
Dichloroethylene, 1,2-trans-	3.90E+03	1.67E+03	1.56E+09	-				1.56E+03	_	2.44E+02
Ethvlibenzene	8:81E+03	4,80E+02		5.82E+01		8.57E+00	7.47E+00	7.82E+03	1645	9.18E+03
Lead and Compounds			1.56E+09			<u></u>	-	_	-	
Methyl tent-Butyl Ether (MTBE)	7.62E±03	8.87E+03	1,56E+09	3.56E+02	6 of Sec. 5	7.13E+01	5.94E+01	2		2.38E+04
Acenaphthene	2.19E+05		1.56E+09					4.69E+03	—	
Anthracene	8.13E±05	3.2	1.56E+09	e see eeu gegen gegen gegen gegen gegen gegen gegen gegen gegen gegen gegen gegen gegen gegen gegen gegen gege Gegen gegen gegen gegen gegen gegen gegen gegen gegen gegen gegen gegen gegen gegen gegen gegen gegen gegen g	-		Mention of the second second	2.35E+04	6.45E+04	# 1 des
Benz[a]anthracene		<del>"</del> .	1.56E+09	2.04E-01	5.32E-01	1.36E+04	1.48E-01		_	
Benzo(i)fluoranthene			1.56E+09	5.34E-01	1,30E+00	3.45E+04	_3.78E-01	Number Street		\$490 <u>\$</u>
Benzo[a]pyrene		-	1.56 <u>E</u> +09	2.04E-02	5.32E-02	1.36E+03	1.48E-02			
Benzo[b]fluoranthene	AND SECURITY OF SECURITY	Supplied the property of	1.56E+09	2.04E-01	5.32E-01	1.36E+04	1.48E-01			
Benzo[k]fluoranthene		-	1.56E+09	2.04E+00	5.32E+00	1.36E+04	1.48E+00		-	
Chrysene	2		1.56E+09	2.04E+01	5.32E+01	1.36E+05	1.48E±01			
Dibenz[a,h]anthracene			1.56E+09	2.04E-02	5.32E-02	1.25E+03	1.48E-02	-	-	
Dibenzo(a.e)pvrene			1.56E+09	5.34E-02	1,30E-01	3.45E+03	3.78E-02	斯斯斯斯		
Dimethylbenz(a)anthracene, 7,12-			1.56E+09	5.97E-04	1.55E-03	2.11E+01	4.31E-04		-	
Eluoranthene	÷.		1.56E+09					3.13E+03	8.59E+03	
Fluorene	4.37E+05		1.56E+09			-		3.13E+03	8.59E+03	
Indenoi1,2:3-cdipyrene		A CHECK	1,56E+09	2.04E+01	5.32E-01	1.36E±04	1,48E-01	4	\$ \$ 20 kg	4.64
Methylnaphthalene, 1-	9.11E+04	<u> </u>	1.56E+09	2.21E+01	5.36E+01		1.56E+01	5.48E+03		
Methylnaphthalene, 2-	9:01E+04		1,56E±09			480 gg		3.13E+02	8.59E+02	
Naphthalene	7.20E+04	-	1.56E+09	-	-	5.15E+00	5.15E+00	1.56E+03	4.30E+03	2.25E+02

# Site-specific

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

Chemical	Volatilization Factor (m <sup>3</sup> /kg)	Soil Saturation Concentration (mg/kg)	Particulate Emission Factor (m <sup>3</sup> /kg)	Ingestion SL TR=1.0E-6 (mg/kg)	SL	SL	Carcinogenic SL TR=1.0E-6 (mg/kg)	Ingestion SL Child HQ=1 (mg/kg)	Dermal SL Child HQ=1 (mg/kg)	Inhalation SL Child HQ=1 (mg/kg)
Nitropyrene, 4-			1.56E+09	5.34E-01	1.30E+00	3,45E+04	3.78E-01			
Pyrene	3.70E+06		1.56E+09		-	-	-	2.35E+03	6.45E+03	-
Tetrachloroethylene	3.65E+03	1.66E+02	1.56E+09	3.05E+02		3,41E+01	3.07E+01	4.69E+02		1,52E+02
Toluene	6.66E+03	8.18E+02	1.56E+09	_			-	6.26E+03	-	3.47E+04
Trichloroethane, 1,1,1-	2,56E+03	6.40E+02	1.56E+09			- 10 - 20 - 10 - 10 - 10 - 10 - 10 - 10		1.56E+05	4.5	1.34E+04
Trichloroethylene	3.43E+03	6.92E+02	1.56E+09	3.24E+00	-	8.04E-01	6.44E-01	3.91E+01	_	7.16E+00
Trimethylbenzene: 1,2,4-	1,23E+04	2.19E+02	1.56E+09	Programme and the		RECEIVED THE PROPERTY OF				8.98E+01
Trimethylbenzene, 1,3,5-	1.03E+04	1.82E+02	1.56E+09		-	_	_	7.82E+02	-	-
Vinvi Chloride	1.49E+03	3.92E+03	1.56E+09	9.32E-02		2.39E-01	6.71E-02	2.35E+02	egydd graniydd	1,55E+02
Xylenes	9.05E+03	2.58E+02	1.56E+09	_	-			1.56E+04	_	9.44E+02

(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.

Wastewater of Studge, Willett is lick a fairth displeas a System. History: Cr. Register, September, 1985, No. 357, eff. 10–1–85; cr. (1m), am (7), (17) and (18), Register, October, 1988, No. 394, eff. 11–1–88; am (6), cr. (20ñ) and (20m), Register, March, 1994, No. 459, eff. 4–1–94; cr. (1s), (10s), (20k), r. and recr. (12), (13), Register, August, 1995, No. 476, eff. 9–1–95; cr. (14m), Register, Cotober, 1996, No. 490, eff. 11–1–96; am (20), Register, December, 1998, No. 516, eff. 1–1–99; conception in (9) made under s. 13.93 (2m) (b) 7, Stats, Register, April, 2001, No. 544; CR 02–134; cr. (1u), (1w), (1y) and (20s) Register June 2003 No. 570, eff. 7–1–03.

# Subchapter II — Groundwater Quality Standards

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

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

Table 1
Public Health Groundwater Ouality Standards

Publ	ic Health Groundwater Quality Standa	
Substance <sup>I</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/1	1.8 mg/I
Alachlor	2	0.2
Alachlor ethane sulfonic acid (Alachlor – ESA)	20	4
Aldicarb	10	2
Aluminum	200	40
Ammonia (as N)	9.7 mg/l	0.97 mg/l
Antimony	6	1.2
Anthracene	3000	600
Arsenic	10	1
Asbestos	7 million fibers per liter (MFL)	0.7 MFL
Atrazine, total chlorinated residues	$3^{2}$	0.3 <sup>2</sup>
Bacteria, Total Coliform	$O_3$	$0^{3}$
Barium	2 milligrams/liter (mg/l)	0.4 mg/l
Bentazon	300	60
Benzene	5	0.5
Benzo(b)fluoranthene	0.2	0.02
Benzo(a)pyrene	0.2	0.02
Beryllium	4	0.4
Boron	1000	200
Bromodichloromethane	0.6	0.06
Bromoform	4.4	0.44
Bromomethane	10	1
Butylate	400	80
Cadmium	5	0.5
Carbaryl	40	4
Carbofuran	40	8
Carbon disulfide	1000	200
Carbon tetrachloride	5	0.5
Chloramben	150	30
Chlordane	2	0.2
Chlorodifluoromethane	7 mg/l	0.7 mg/l
Chloroethane	400	80
Chloroform	6	0.6
Chlorpyrifos	2	0.4
Chloromethane	30	3
Chromium (total)	100	10
Chrysene	0.2	0.02

Table 1 — Continued
Public Health Groundwater Quality Standards

Public Health Groundwater Quality Standards							
Substance <sup>1</sup>	Enforcement Standard (micrograms per liter – except as noted)	Preventive Action Limit (microgram per liter – except as noted)					
Cobalt	40	8					
Copper	1300	130					
Cyanazine	1	0.1					
Cyanide, free <sup>4</sup>	200	40					
Dacthal	70	14					
1,2-Dibromoethane (EDB)	0.05	0.005					
Dibromochloromethane	60	6					
1,2-Dibromo-3-chloropropane (DBCP)	0.2	0.02					
Dibutyl phthalate	1000	100					
Dicamba	300	60					
1,2-Dichlorobenzene	600	60					
1,3-Dichlorobenzene	600	120					
1,4-Dichlorobenzene	75	15					
Dichlorodifluoromethane	1000	200					
1,1-Dichloroethane	850	85					
1,2-Dichloroethane	5	0.5					
I,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					
1,2—Dichloropropene (cis/trans)	0.4	0.04					
Di (2—ethylhexyl) phthalate	6	0.6					
Ditnethenamid/Dimethenamid-P	50	5					
Dimethoate	2	0.4					
	0.05	0.005					
2,4-Dinitrotoluene	0.05	0.005					
2,6-Dinitrotoluene	0.05	0.005					
Dinitrotoluene, Total Residues <sup>5</sup>	7	1.4					
Dinoseb	3						
1,4-Dioxane		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					
V-Hexane	600	120					
Hydrogen sulfide	30	6					
Lead	15	1.5					
Lindane	0.2	0.02					
Manganese	300	60					
Mercury	2	0.2					

Table I — Continued
Public Health Groundwater Quality Standards

Publi	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 + oxanilic acid (Metolachlor - ESA + OXA)	1.3 mg/l	0.26 mg/l					
Metribuzin	70	14					
Molybdenum	40	8					
Monochlorobenzene	100	20					
Naphthalene	100	10					
Nickel	100	20					
Nitrate (as N)	10 mg/l	2 mg/l					
Nitrate + Nitrite (as N)	10 mg/l	2 mg/l					
Nitrite (as N)	1 mg/1	0.2 mg/l					
N-Nitrosodiphenylamine	7	0.7					
Pentachlorophenol (PCP)	I	0.1					
Perchlorate	1	0.1					
Phenol	2 mg/l	0.4 mg/l					
Picloram	500	100					
Polychlorinated biphenyls (PCBs)	0.03	0.003					
Prometon	100	20					
Propazine	10	2					
Pyrene	250	50					
Pyridine	10	2					
Selenium	50	10					
Silver	50	10					
Simazine	4	0.4					
Styrene	100	10					
Tertiary Butyl Alcohol (TBA)	12	1.2					
1,1,1,2-Tetrachloroethane	70	7					
1,1,2,2-Tetrachloroethane	0.2	0.02					
Tetrachloroethylene	5	0.5					
Tetrahydrofuran	50	10					
Thallium	2	0.4					
Toluene	800	160					
Toxaphene	3	0.3					
1,2,4—Trichlorobenzene	70	14					
1,1,1—Trichloroethane	200	40					
1,1,2—Trichloroethane	5	0.5					
Trichloroethylene (TCE)	5	0.5					
2,4,5—Trichlorophenoxy—propionic acid (2,4,5—TP)	50	5					
1,2,3—Trichloropropane	60	12					
Trifluralin	7.5	0.75					
Trimethylbenzenes	480	96					
(1,2,4-and 1,3,5-combined)							
• • •	30	4					
Vanadium	ΣU	6					

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#### 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	0.2	0.02
Xylene <sup>6</sup>	2 mg/l	0.4 mg/l

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

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. 12–31–99; am Table 1, Register, December, 1998, No. 516, eff. 12–31–99; am Table 1, Register, December, 1998, No. 516, eff. 12–31–99; am Table 1, Register, December, 1998, No. 516, eff. 12–31–99; am Table 1, Register, December, 1998, No. 516, eff. 12–31–99; am Table 1, Register, December, 1998, No. 520, eff. 2–106; can Table 1, Register, December, 1998, No. 531, eff. 4–1–00; can Table 1, Register, December, 1998, No. 521, eff. 2–1–08; can Table 1, Register, December, 1998, No. 660, eff. 1–1–11.

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

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

Table 2
Public Welfare Groundwater Quality Standards

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

History: Ct. 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:
- 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
- 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

<sup>&</sup>lt;sup>2</sup> Total chlorinated atrazine residues includes parent compound and the following metabolites of health concern: 2—chloro-4-amino-6-isopropylamino-s-triazine (formerly deathylatrazine), 2—chloro-4-amino-6-ethylamino-s-triazine (formerly deisopropylatrazine) and 2-chloro-4-amino-s-triazine (formerly diamino-trazine).

<sup>&</sup>lt;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>quot;Cyarride, free" refers to the simple cyanides (HCN, CN') and /or readily dissociable metal-cyanide complexes. Free cyanide is regulatorily equivalent to cyanide quantified by approved analytical methods for "amenable cyanide" or "available cyanide".

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> Xvlene includes meta-, ortho-, and para-xvlene combined.

# APPENDIX F/ QUALIFICATIONS OF METCO PERSONNEL

# Ronald J. Anderson, P.G.

#### **Professional Titles**

- · Senior Hydrogeologist
- · Project Manager

## Credentials

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

#### Education

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

## Post-Graduate Education

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

## Work Experience

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

# 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.

# 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).

## 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.

# 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.

# 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.

# APPENDIX G/ STANDARD OF CARE

# 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

Date

7/7/16

"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