Site Investigation Report

Pizza Place Restaurant
225 US Hwy 8 & 63
Turtle Lake, Wisconsin

January 4, 2018
by METCO
WDNR File Reference #: 03-03-562914
PECFA Claim #: 54889-9999-25

METCO

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This document was prepared by:

Jason T. Powell
Staff Scientist

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

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709 Gillette St., Ste 3, La Crosse, WI 54603 ♦ 1-800-552-2932 ♦ Fax (608) 781-8893 ♦ Email: rona@metcohq.com ♦ www.metcohq.com

January 4, 2018

BRRTS #: 03-03-562914
PECFA #: 54889-9999-25-A

Douglas Potvin
c/o Janet Diercks
611 E. Bracklin Street
Rice Lake, WI 54868

Dear Mr. Potvin,

Enclosed is our "Site Investigation Report" concerning the Pizza Place Restaurant site at 225 US Hwy 8 & 63 in Turtle Lake, Wisconsin. This report presents the complete data from all investigation activities.

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

Due to the NR140 Enforcement Standard (ES) exceedances in groundwater, additional groundwater monitoring will likely be required for trend analysis by the state prior to site closure. Unsaturated soil contamination exceeding NR720 Non-Industrial Direct Contact RCL's will need to be addressed with a cap and cap maintenance plan (asphalt and concrete). Per state response to this report, METCO will proceed with this project.

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: Carrie Stoltz – WDNR

C: Mike Schradle – Current Owner

EXECUTIVE SUMMARY

Based on aerial photos, it appears that the property was first developed in approximately the 1940s after US Highway 8/63 was constructed in this area. The building was originally constructed as a gas station and service garage. Douglas Potvin operated a bait shop at the property and continued retail fuel sales at the property until the late 1980s. On April 12, 1988, a 1,000-gallon diesel UST was removed from the subject property. On April 17, 1989, two 1,000-gallon gasoline (leaded and unleaded) USTs were removed from the subject property. After Douglas Potvin sold the property, it operated as a gift shop for a period of time and has operated as a pizza restaurant for at least the past 10 years.

On April 17, 1989, during the removal of the two 1,000-gallon gasoline USTs, eight soil samples were collected underneath the removed gasoline USTs, piping, and dispensers. Petroleum contamination was detected in the two soil samples collected beneath the removed dispensers at 2,200 and 2,500 ppm Total Petroleum Hydrocarbons (TPH). A small amount, approximately ½ yard, of petroleum contaminated soil was excavated from the area of the removed pump islands and disposed at a local asphalt plant. After the contaminated soil was excavated, two additional soil samples were collected from the base of the excavation which showed no detects for TPH or BTEX (Benzene, Toluene, Ethylbenzene, and Xylene). Based on these results, it was determined that the UST systems had been properly closed based on WDNR regulations at that time and no additional site investigation was required at that time.

A closed LUST case, Davis Auto Body (BRRTS# 03-03-000273), exists approximately 200 feet to the east of the subject property. The Davis Auto Body LUST case was closed in 2003 with residual soil contamination in place. An open LUST case, Wild Card (BRRTS# 03-03-110339), exist approximately 225 feet to the northeast of the subject property.

During investigation of the Wild Card LUST case, a series of monitoring wells were installed to define the extent of petroleum contamination in groundwater. On July 10, 2014, during investigation of the Wild Card LUST site, one monitoring well (PZ-14) was installed in the road right of way adjacent to the Pizza Place Restaurant property. Two rounds of groundwater samples were collected from the Wild Card monitoring well network on July 24, 2014 and October 8, 2014. The results from monitoring well PZ-14 showed elevated levels of petroleum contamination in groundwater in this area and it was suspected that a petroleum release had occurred from the former UST systems that existed on the Pizza Place Restaurant property. On December 3, 2014, the WDNR issued a letter to the current owner of the Pizza Place Restaurant property (Mike Schradle) requiring that a LUST investigation be conducted for the Pizza Place Restaurant property. However, the former property owner, Douglas Potvin, is assuming responsibility for the LUST investigation at this time.

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

- Local unconsolidated materials generally consist of interbedded layers of sand, silty sand, and silt from surface to at least 60 feet below ground surface (bgs). Fill material consisting of silt, sand, and gravel was encountered across the northern portion of the site, in the area of the removed UST systems, and along Highway 8/63. The fill material was found from surface and extends to depths ranging from 2.5 to 8 feet bgs.

- Bedrock was not encountered during the site investigation, but sandstone bedrock is expected to exist at approximately 125-150 feet below ground surface, based on local well construction reports.

- According to data collected from the monitoring wells, the depth to groundwater ranges from 45.07 to 48.96 feet bgs depending on well location and time of year. A perched aquifer also

exists in this area which was discovered during the Wild Card LUST case. According to data collected from the monitoring wells in the perched aquifer, the depth to groundwater ranges from 4.23 to 19.18 feet bgs depending on well location and time of year. Local horizontal groundwater flow in the immediate area of the subject property is generally toward the west.

- An area of unsaturated soil contamination, which exceeds the NR720 Groundwater RCL's and/or C-sat values, exists in the area of the removed gasoline and diesel UST's and former pump island and appears to measure up to 76 feet long, up to 35 feet wide, and up to 40 feet thick. An area of unsaturated soil contamination exceeding NR720 Non-Industrial Direct Contact RCL's and/or C-sat values also exists in the area of the former pump island. This area appears to measure up to 40 feet long, up to 21 feet wide, and up to 4 feet thick.

- A dissolved phase contaminant plume exceeding the NR140 ES and/or Preventive Action Limit (PAL) has formed at the watertable in the area of the removed gasoline and diesel UST's and former pump island and has migrated toward the west. This plume is approximately 448 feet long and up to 236 feet wide. However, based on the westerly flow direction, it appears that groundwater contamination from the Wild Card LUST Site (BRRTS # 03-03-110339) and/or the Davis Auto Body closed LUST Site (BRRTS # 03-03-000273) which exist to the northeast and east of the subject property, has commingled with the groundwater contamination plume from the Pizza Place Restaurant site. Based on our investigation, groundwater contamination does not appear to extend any more than approximately 50 feet down-gradient of the source and does not go off-site.

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

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

Due to the NR140 ES exceedances in groundwater, additional groundwater monitoring will likely be required for trend analysis by the state prior to site closure. Unsaturated soil contamination exceeding NR720 Non-Industrial Direct Contact RCL's will need to be addressed with a cap and cap maintenance plan (asphalt and concrete).

LIST OF ACRONYMS

AST - Aboveground Storage Tank
ASTM - American Society for Testing and Materials
Cd - Cadmium
DOT - Department of Transportation
DRO - Diesel Range Organics
ES - Enforcement Standards
gpm - gallons per minute
GRO - Gasoline Range Organics
HNU - brand name for Photoionization Detector
ID - inside-diameter
LAST - Leaking Aboveground Storage Tank
LUST - Leaking Underground Storage Tank
MSL - Mean Sea Level
MTBE - Methyl-tert-butyl ether
MW - Monitoring Well
NIOSH - National Institute for Occupational Safety & Health
NR - Natural Resources
OD - outside-diameter
PAH - Polynuclear Aromatic Hydrocarbons
PAL - Preventive Action Limits
Pb - Lead
PECFA - Petroleum Environmental Cleanup Fund
PID - Photoionization Detector
POTW - Publicly Owned Treatment Works
ppb ug/kg - parts per billion
ppm mg/kg - parts per million
psi - pounds per square inch
PVC - Polyvinyl Chloride
PVOC - Petroleum Volatile Organic Compounds
RAP - Remedial Action Plan
scfm - standard cubic feet per minute
SVE - Soil Vapor Extraction
USCS - Unified Soil Classification System
USGS - United States Geological Survey
UST - Underground Storage Tank
VOC - Volatile Organic Compounds
WDNR - Wisconsin Department of Natural Resources
WPDES - Wisconsin Pollutant Discharge Elimination System

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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

Douglas Potvin
c/o Janet Diercks
611 E Bracklin Street
Rice Lake, WI 54868
(715) 736-1981

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

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

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

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

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

Professional Service Industries, Inc.
12839 30th Avenue
Chippewa Falls, WI 54729
(715) 738-2770

1.3 Site Location

Site Address:

225 US Hwy 8 & 63
Turtle Lake, Wisconsin

Latitude and Longitude:
45° 23' 55" N and 92° 8' 45" W

WTM Coordinates:
352034, 549486

Township/Range:
NE ¼, SW ¼, Section 30, Township 34 North, Range 14 West, Barron County

1.4 Site History

Based on aerial photos, it appears that the property was first developed in approximately the 1940s after US Highway 8/63 was constructed in this area. The building was originally constructed as a gas station and service garage. Douglas Potvin operated a bait shop at the property and continued retail fuel sales at the property until the late 1980s. On April 12, 1988, a 1,000-gallon diesel UST was removed from the subject property. On April 17, 1989, two 1,000-gallon gasoline (leaded and unleaded) USTs were removed from the subject property. After Douglas Potvin sold the property, it operated as a gift shop for a period of time and has operated as a pizza restaurant for at least the past 10 years.

On April 17, 1989, during the removal of the two 1,000-gallon gasoline USTs, eight soil samples were collected underneath the removed gasoline USTs, piping, and dispensers. Petroleum contamination was detected in the two soil samples collected beneath the removed dispensers at 2,200 and 2,500 ppm Total Petroleum Hydrocarbons (TPH). A small amount, approximately ½ yard, of petroleum contaminated soil was excavated from the area of the removed pump islands and disposed at a local asphalt plant. After the contaminated soil was excavated, two additional soil samples were collected from the base of the excavation which showed no detects for TPH or BTEX (Benzene, Toluene, Ethylbenzene, and Xylene). Based on these results, it was determined that the UST systems had been properly closed based on WDNR regulations at that time and no additional site investigation was required at that time.

A closed LUST case, Davis Auto Body (BRRTS# 03-03-000273), exists approximately 200 feet to the east of the subject property. The Davis Auto Body LUST case was closed in 2003 with residual soil contamination in place. An open LUST case, Wild Card (BRRTS# 03-03-110339), exists approximately 225 feet to the northeast of the subject property.

During investigation of the Wild Card LUST case, a series of monitoring wells were installed to define the extent of petroleum contamination in groundwater. On July 10, 2014, during investigation of the Wild Card LUST site, one monitoring well (PZ-14) was installed in the road right of way adjacent to the Pizza Place Restaurant property. Two rounds of

groundwater samples were collected from the Wild Card monitoring well network on July 24, 2014 and October 8, 2014. The results from monitoring well PZ-14 showed elevated levels of petroleum contamination in groundwater in this area and it was suspected that a petroleum release had occurred from the former UST systems that existed on the Pizza Place Restaurant property. On December 3, 2014, the WDNR issued a letter to the current owner of the Pizza Place Restaurant property (Mike Schradle) requiring that a LUST investigation be conducted for the Pizza Place Restaurant property. However, the former property owner, Douglas Potvin, is assuming responsibility for the LUST investigation at this time.

2.0 GEOLOGY AND RECEPTORS

2.1 Regional and Local Geology and Hydrogeology

Topography and Regional Setting

According to the USGS Hydrologic Atlas, Turtle Lake is located in the central portion of the St Croix River Basin. This area is characterized by a relatively flat glacial outwash plain with numerous swamps and kettle lakes.

The elevation of the site is approximately 1,255 feet above Mean Sea Level (MSL). See Appendix A for site location.

Soil and Bedrock

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

Local unconsolidated materials generally consist of tan to brown to gray to red interbedded layers of sand, silty sand, and silt from surface to at least 60 feet below ground surface (bgs). Fill material consisting of silt, sand, and gravel was encountered across the northern portion of the site, in the area of the removed UST systems, and along Highway 8/63. The fill material was found from surface and extends to depths ranging from 2.5 to 8 feet bgs.

Bedrock was not encountered during the site investigation, but sandstone bedrock is expected to exist at approximately 125-150 feet below ground surface, based on local well construction reports.

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 45.07 to 48.96 feet bgs depending on well location and time of year. A perched aquifer also exists in this area which was discovered during the Wild Card LUST case. According to data collected from the monitoring wells in the perched aquifer, the depth to groundwater ranges from 4.23 to 19.18 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 toward the west. Groundwater Flow Direction Maps are presented in Section 6.

2.2 Receptors

Buildings, Basements, Sumps, and Utility Corridors

The extent of petroleum contamination in groundwater exceeding the NR140 ES and/or PAL does come into contact with a buried electric line, phone lines, natural gas lines, and water and sewer mains. Buried electric lines, phone lines, and natural gas lines typically exist within 30 inches of ground surface and backfilled with native soil. Due to their shallow depth and native backfill, they do not appear to be potential contaminant migration pathways. According to the Village of Turtle lake, the water and sewer mains were originally constructed in approximately the 1940's to 1950's and the water main was replaced in 1979. The water and sewer mains exist at approximately 8 feet bgs and are backfilled with native soil. Due to the depth at which the mains exist and the depth to groundwater in the area (approximately 45 feet bgs), they do not appear to be potential contaminant migration pathways.

The extent of petroleum contamination in unsaturated soil exceeding NR720 Groundwater RCL's and groundwater exceeding the NR140 PAL and/or ES also comes into contact with water and sewer laterals extending onto the subject property. The Village of Turtle Lake does not have any information regarding the sewer and water laterals. However, sewer and water laterals typically exist at approximately the same depth as the mains (approximately 8 feet bgs) and are backfilled with native soil. Due to the depth at which the laterals exist, the depth of unsaturated soil contamination (31.5 feet bgs), and the depth to groundwater in the area (approximately 45 feet bgs), they do not appear to be potential contaminant migration pathways.

Petroleum contamination in unsaturated soil and groundwater appears to extend up to and underneath the Pizza Place Restaurant. However, concerning the risk for vapor intrusion, there does not appear to be any risk to the building for the following reasons:

a) Benzene levels in groundwater are significantly less than 1,000 ppb (G-3-W) and depth to groundwater is approximately 45 feet bgs.
b) Free product has not been encountered at the subject property.
c) Soil contamination near the building appears to be at relatively low levels.

Municipal and Private Water Supply Wells

The subject property and surrounding properties are all served by the Village of Turtle Lake municipal water supply. The nearest municipal well is located approximately 850 feet to the southeast of the subject property. METCO is not aware of any private water supply wells in the area.

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

Surface Waters

The nearest surface water is an unnamed pond, which exists approximately 450 feet to the southwest of the subject property.

3.0 SITE INVESTIGATION RESULTS AND RISK CRITERIA

3.1 Methods of Investigation

Workscope

The workscope performed for the LUST Investigation included the following:

1) Collect site background information.

2) On October 18, 2016, METCO prepared a LUST Investigation Field Procedures Workplan.

3) On January 9-11, 2017, METCO completed ten Geoprobe borings (G-1 thru G-10). One hundred nineteen soil samples and six groundwater samples were collected from the borings for field and/or laboratory analysis.

4) On May 30 thru June 2, 2017 METCO completed four soil borings which were converted to monitoring wells (MW-1 thru MW-4). Fifty-four soil samples were collected for field and/or laboratory analysis. Upon completion, the monitoring wells were properly developed.

5) On June 7, 2017, METCO personnel collected groundwater samples from six monitoring wells (MW-1 thru MW-4, PZ-13, and PZ-14) for field and laboratory analysis. Water level measurements were also collected from four additional monitoring wells (MW-7, PZ-6, PZ-7, and PZ-11). The monitoring well network was properly surveyed to feet mean sea level (msl) at this time.

6) On June 30, 2017, DKS Transport Services, LLC picked up and properly disposed of 14 drums of soil cuttings and 3 drums of purge water.

7) On September 7, 2017, METCO personnel collected groundwater samples from six monitoring wells (MW-1 thru MW-4, PZ-13, and PZ-14) for field and laboratory analysis. Water level measurements were also collected from four additional monitoring wells (MW-7, PZ-6, PZ-7, and PZ-11).

Site Access Problems

No site access problems were encountered during the LUST investigation.

Analytical Methods

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

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

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

3.2 Data Discussion

Soil Sampling Data

On January 9-11, 2017, during the Geoprobe Project, ten soil borings were completed with one hundred nineteen soil samples collected for field and/or laboratory analysis (PID, VOC/PVOC, Naphthalene, PAH, and Lead).

On May 30 thru June 2, 2017, during the Drilling Project, four soil borings were completed with fifty-four soil samples collected for field and/or laboratory analysis (PID, PVOC, and Naphthalene).

Soil analytical results are summarized in the Soil Analytical Results Tables with exceedances of the NR720 Groundwater RCL, Non-Industrial Direct Contact, and/or 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 January 9-11, 2017, during the Geoprobe Project, six groundwater samples were collected from soil borings G-3, -4, -6, -7, -8, and -10 for laboratory analysis (PVOC and Naphthalene).

On May 30 thru June 2, 2017, during the Drilling Project, four monitoring wells (MW-1 thru MW-4) were installed and properly developed.

On June 7, 2017, METCO personnel collected groundwater samples from six monitoring wells (Round 1) for field and laboratory analysis (VOC's, PVOC, Naphthalene, PAH, Dissolved Iron, Dissolved Manganese, Nitrate/Nitrite, Sulfate, and/or Dissolved Lead). Field measurements for water level, temperature, pH, ORP, Dissolved Oxygen and Specific Conductance were collected from all sampled monitoring wells. Water level measurements were also collected from four additional monitoring wells (MW-7, PZ-6, PZ-7, and PZ-11).

On September 7, 2017, METCO personnel collected groundwater samples from six monitoring wells (Round 2) for field and laboratory analysis (PVOC, Naphthalene, and Dissolved Lead). Field measurements for water level, temperature, pH, ORP, Dissolved Oxygen and Specific Conductance were collected from all sampled monitoring wells. Water level measurements were also collected from four additional monitoring wells (MW-7, PZ-6, PZ-7, and PZ-11).

Monitoring well analytical results are summarized in the Groundwater Analytical Tables with exceedances of the NR140 Preventive Action Limits (PAL) and/or Enforcement Standard (ES) noted.

The soil 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 Conductivity

Slug test were not conducted on any monitoring wells at this site. However, based on the boring logs from the Drilling Project, it is known that the water table is located within silty sand. Book values for the hydraulic conductivity of this material range from 1.00E-4 cm/sec to 1.00E-6 cm/sec. Based on two rounds of groundwater monitoring, the average horizontal hydraulic gradient is 2.1396E-3. Using these values the flow velocity ranges from 2.2466E-1 to 2.25E-3 m/year.

Flow velocity calculations are presented in Appendix E.

3.4 Discussion of Results

Local unconsolidated materials generally consist of tan to brown to gray to red interbedded layers of sand, silty sand, and silt from surface to at least 60 feet below ground surface (bgs). Fill material consisting of silt, sand, and gravel was encountered across the northern portion of the site, in the area of the removed UST systems, and along Highway 8/63. The fill material was found from surface and extends to depths ranging from 2.5 to 8 feet bgs.

Bedrock was not encountered during the site investigation, but sandstone bedrock is expected to exist at approximately 125-150 feet below ground surface, based on local well construction reports.

According to data collected from the monitoring wells, the depth to groundwater ranges from 45.07 to 48.96 feet bgs depending on well location and time of year. A perched aquifer also exists in this area which was discovered during the Wild Card LUST case. According to data collected from the monitoring wells in the perched aquifer, the depth to groundwater ranges from 4.23 to 19.18 feet bgs depending on well location and time of year. Local horizontal groundwater flow in the immediate area of the subject property is generally toward the west.

An area of unsaturated soil contamination, which exceeds the NR720 Groundwater RCL's and/or C-sat values, exists in the area of the removed gasoline and diesel UST's and former pump island and appears to measure up to 76 feet long, up to 35 feet wide, and up to 40 feet thick. An area of unsaturated soil contamination exceeding NR720 Non-Industrial Direct Contact RCL's and/or C-sat values also exists in the area of the former pump island. This area appears to measure up to 40 feet long, up to 21 feet wide, and up to 4 feet thick.

A dissolved phase contaminant plume exceeding the NR140 ES and/or PAL has formed at the watertable in the area of the removed gasoline and diesel UST's and former pump island and has migrated toward the west. This plume is approximately 448 feet long and up to 236 feet wide. However, based on the westerly flow direction, it appears that groundwater contamination from the Wild Card LUST Site (BRRTS # 03-03-110339) and/or the Davis Auto Body closed LUST Site (BRRTS # 03-03-000273) which exist to the northeast and east of the subject property, has commingled with the groundwater contamination plume from the Pizza Place Restaurant site. Based on our investigation, groundwater contamination does not appear to extend any more than approximately 50 feet down-gradient of the source and does not go off-site.

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

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.

3.5 Risk Assessment

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

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

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

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

Based on the NR746.03 definitions, the Pizza Place Restaurant site is currently a "high risk" site because the nearest municipal well is located within 1,000 feet of the groundwater contamination exceeding the NR140 ES.

4.0 CONCLUSION

4.1 Investigation Summary

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

4.2 Recommendations

Due to the NR140 ES exceedances in groundwater, additional groundwater monitoring will likely be required for trend analysis by the state prior to site closure. Unsaturated soil contamination exceeding NR720 Non-Industrial Direct Contact RCL's will need to be addressed with a cap and cap maintenance plan (asphalt and concrete). Per state response to this report, METCO will proceed with this project.

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.

Young, H.L. and Hindall, S.M., 1973, Water Resources of Wisconsin – St. Croix River Basin, Hydrologic Investigations, Atlas HA-451, U.S. Geological Survey, Washington D.C.Matsch, C.L. and Ojakangas, R.W., 1982, Minnesota's Geology, Minneapolis, Minnesota.

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

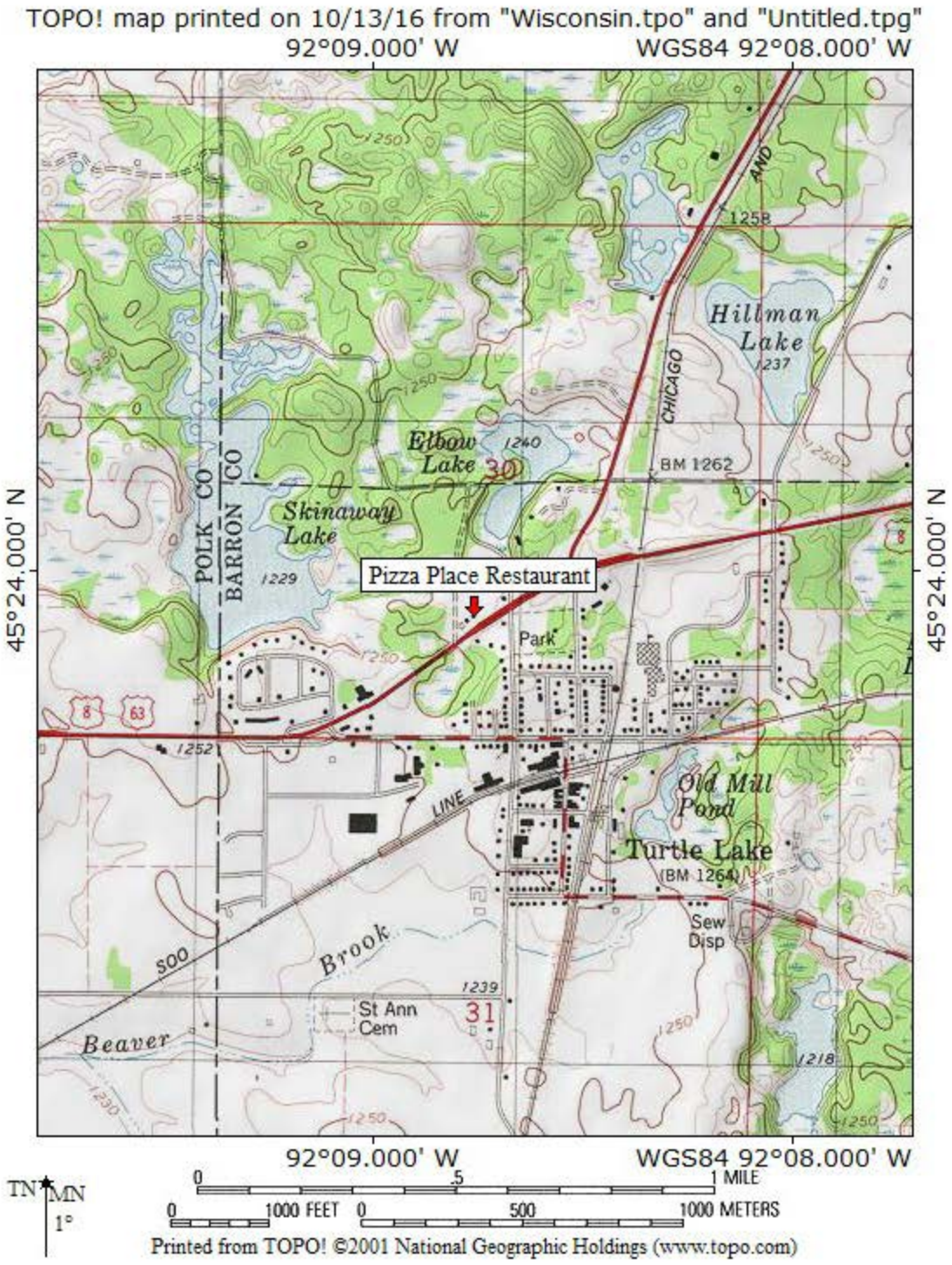
Seamless USGS Topographic Maps on CD-ROM, 2001, National Geographic Holdings, Inc., San Francisco, California.

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

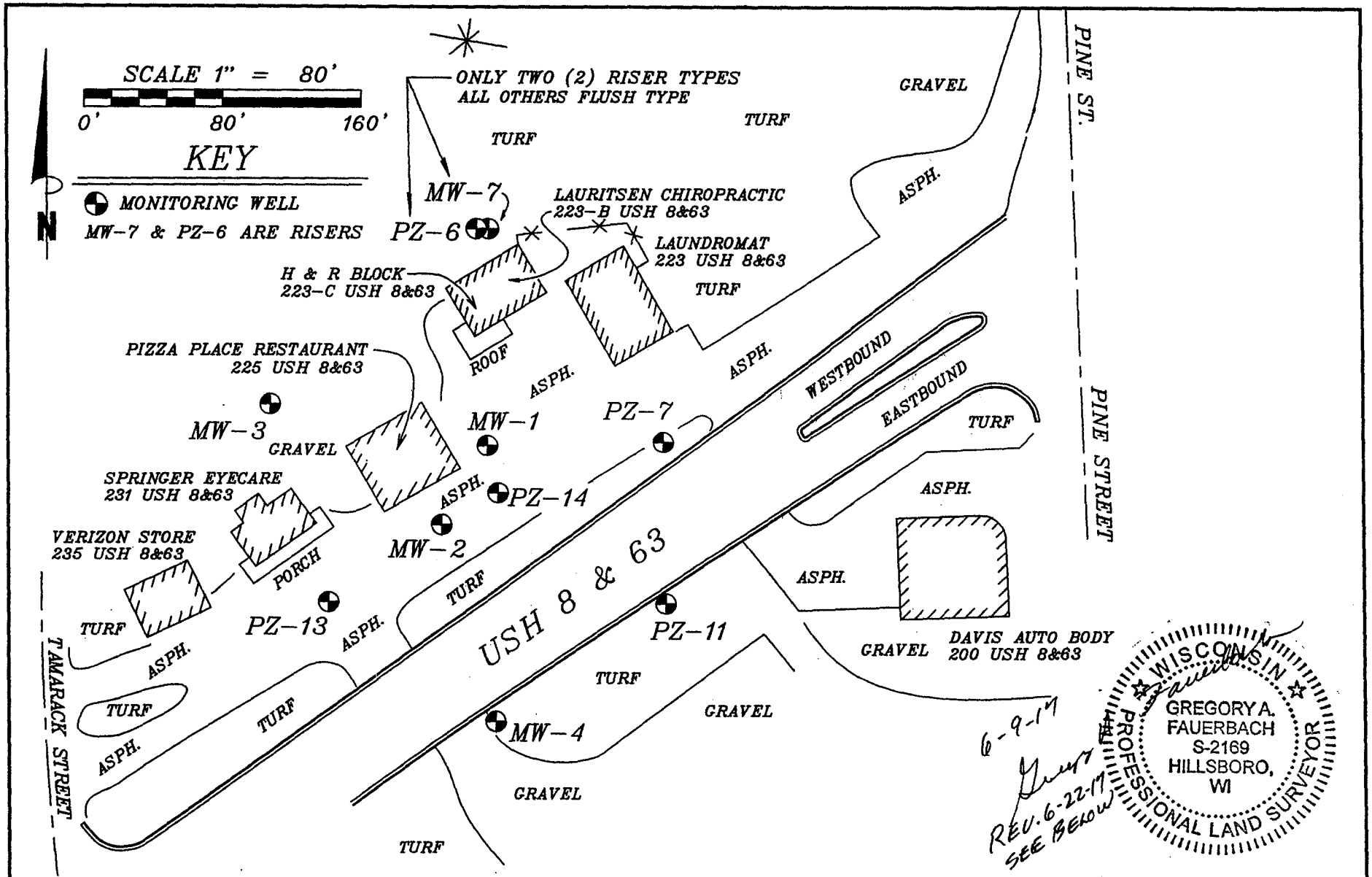
Weston, R.F., 1987, Remedial Technologies for Leaking Underground Storage Tanks.

Other information and data was collected from Janet Diercks, Douglas Potvin, Mike Schradle, Village of Turtle Lake, Diggers Hotline, Geiss Soil and Samples, LLC, PSI Inc., Fauerbach Surveying & Engineering, Synergy Environmental Lab, Wisconsin Department of Natural Resources, and local people.

6.0 FIGURES

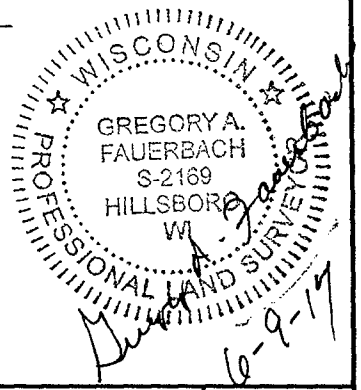


B.1.a LOCATION MAP CONTOUR INTERVAL 10 FEET
PIZZA PLACE RESTAURANT – TURTLE LAKE, WI
SEAMLESS USGS TOPOGRAPHIC MAPS ON CD-ROM



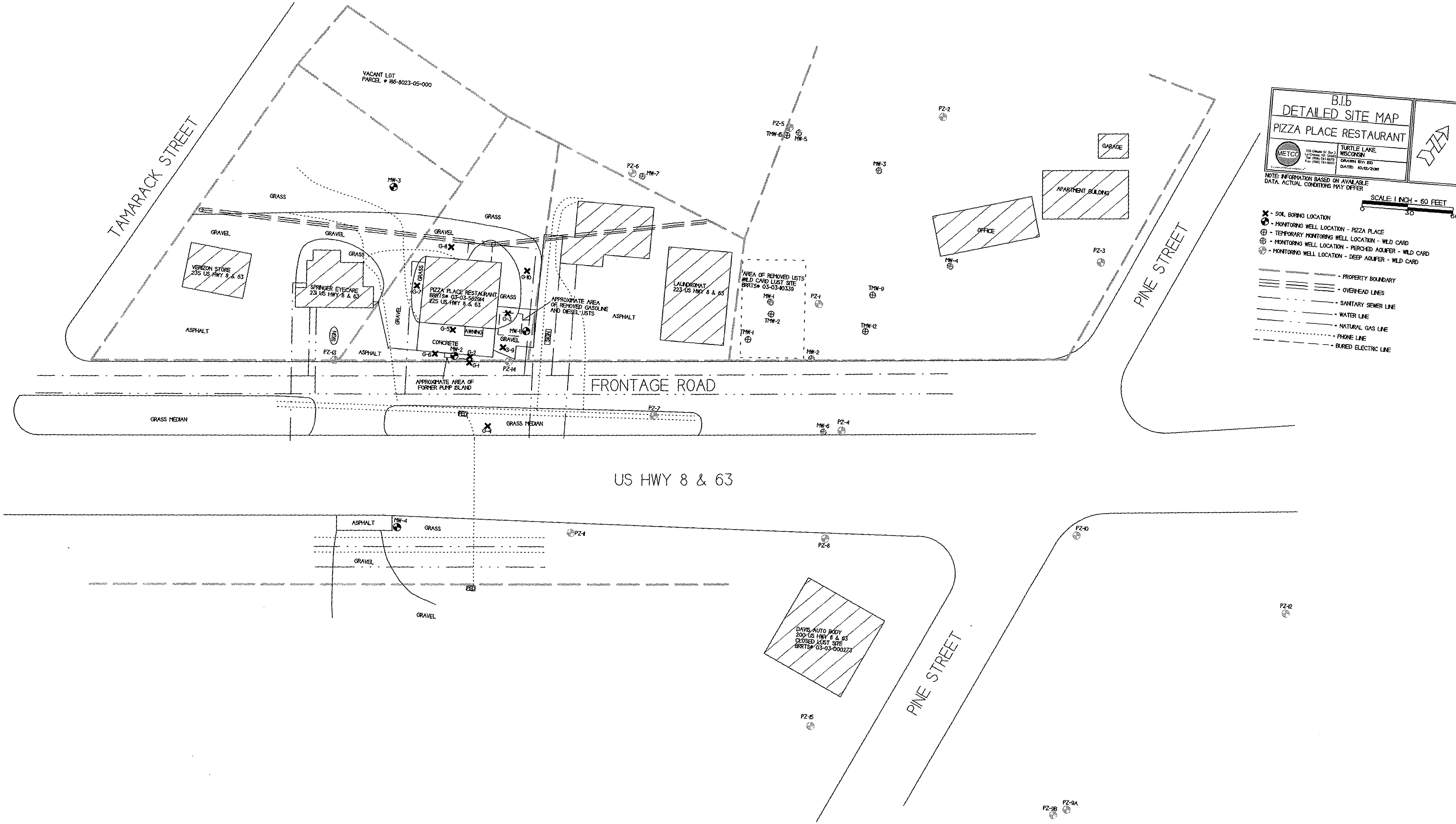
DRAWN BY: GF DATE: 6-7-17 FIELD DWG. NO.: 52817	REVISIONS 6-22-17 PIZZA PLACE BLDG. FOOTPRINT FAUERBACH SURVEYING & ENG. PO BOX 140, HILLSBORO, WI 54634 PH/FAX 608-489-3363	PROJECT: PIZZA PLACE RESTAURANT 225 USH 8 & 63 TURTLE LAKE, WI 54889	SHEET NAME LOCATION MAP	PAGE 1 OF 1

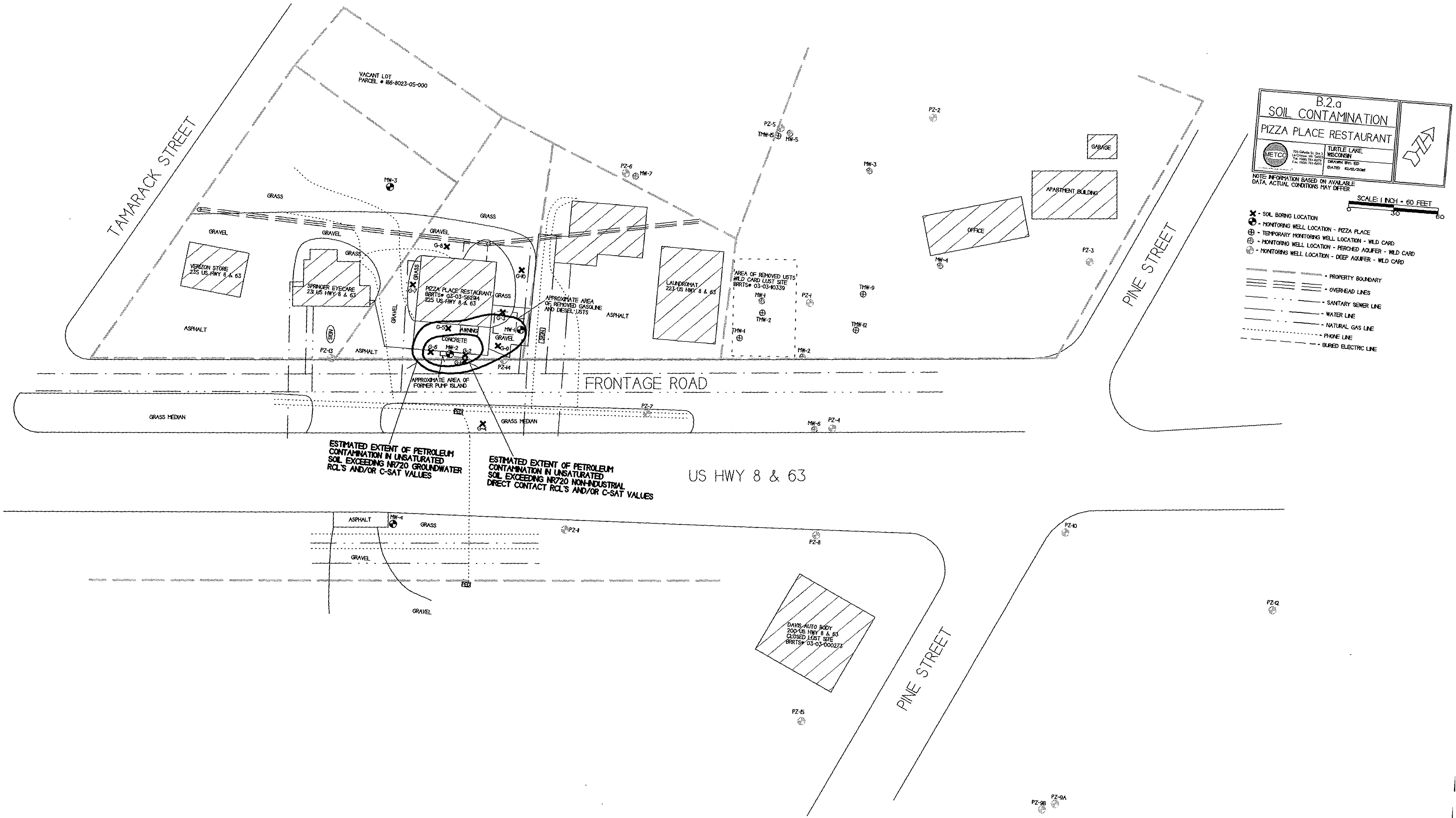
WELL	BARRON COUNTY COORD. SYSTEM NAD83(2011) NORTH	EAST	TOP OF WELL ELEVATION (NAVD 88)	TOP OF PVC CASING ELEVATION (NAVD 88)
MW-1	96917.78	229597.68	1255.11'	1254.69'
MW-2	96872.03	229571.30	1255.20'	1254.68'
MW-3	96942.09	229472.96	1255.78'	1255.29'
MW-4	96758.30	229601.84	1255.55'	1255.02'
MW-7	97041.62	229596.29	1255.0' RISER	1257.38'
PZ-6	97041.62	229592.45	1254.8' RISER	1257.35'
PZ-7	96919.28	229699.48	1256.61'	1256.37'
PZ-11	96825.75	229700.44	1257.88'	1257.50'
PZ-13	96827.35	229505.91	1254.43'	1253.98'
PZ-14	96890.35	229603.69	1255.25'	1254.84'

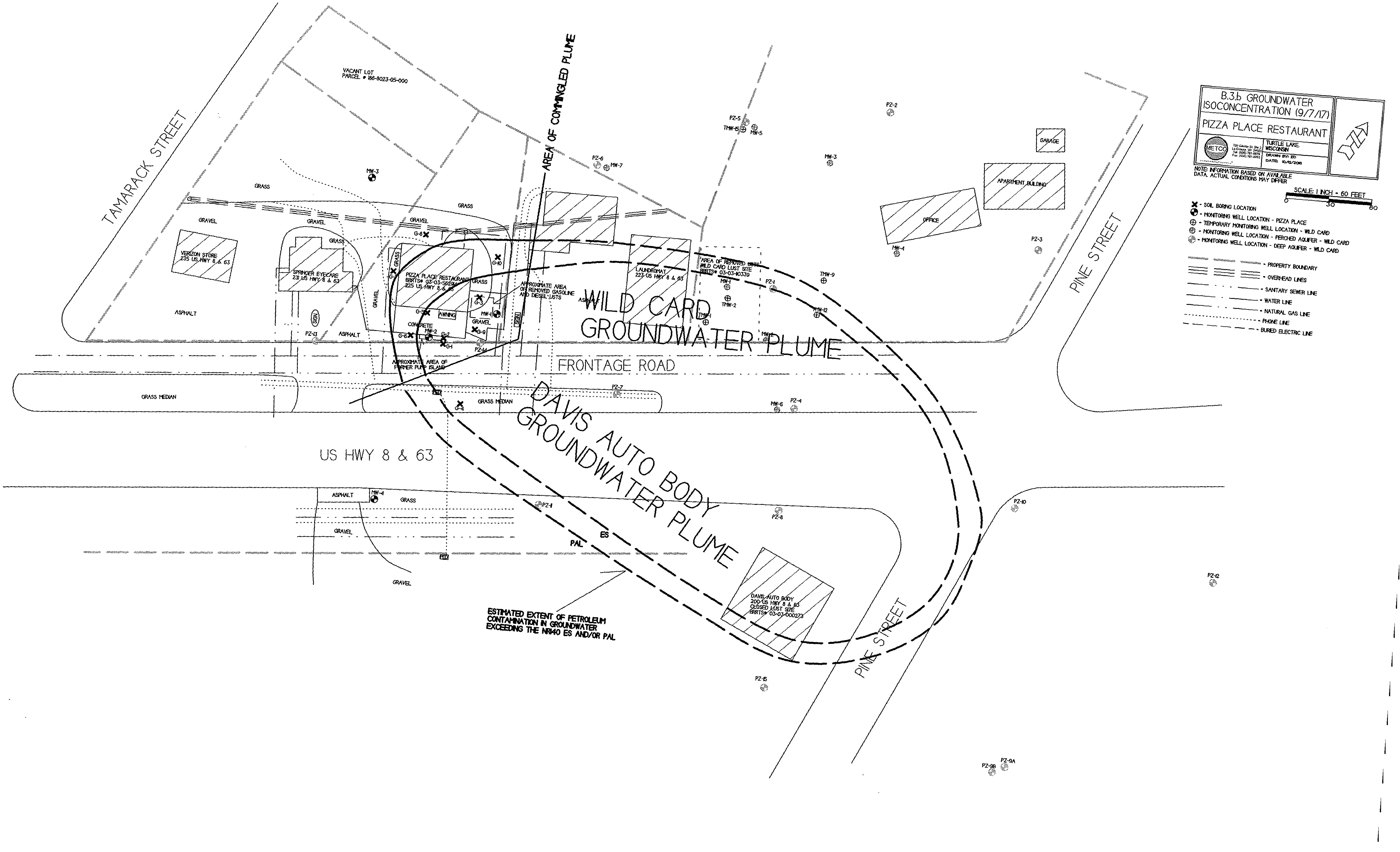


6-9-17

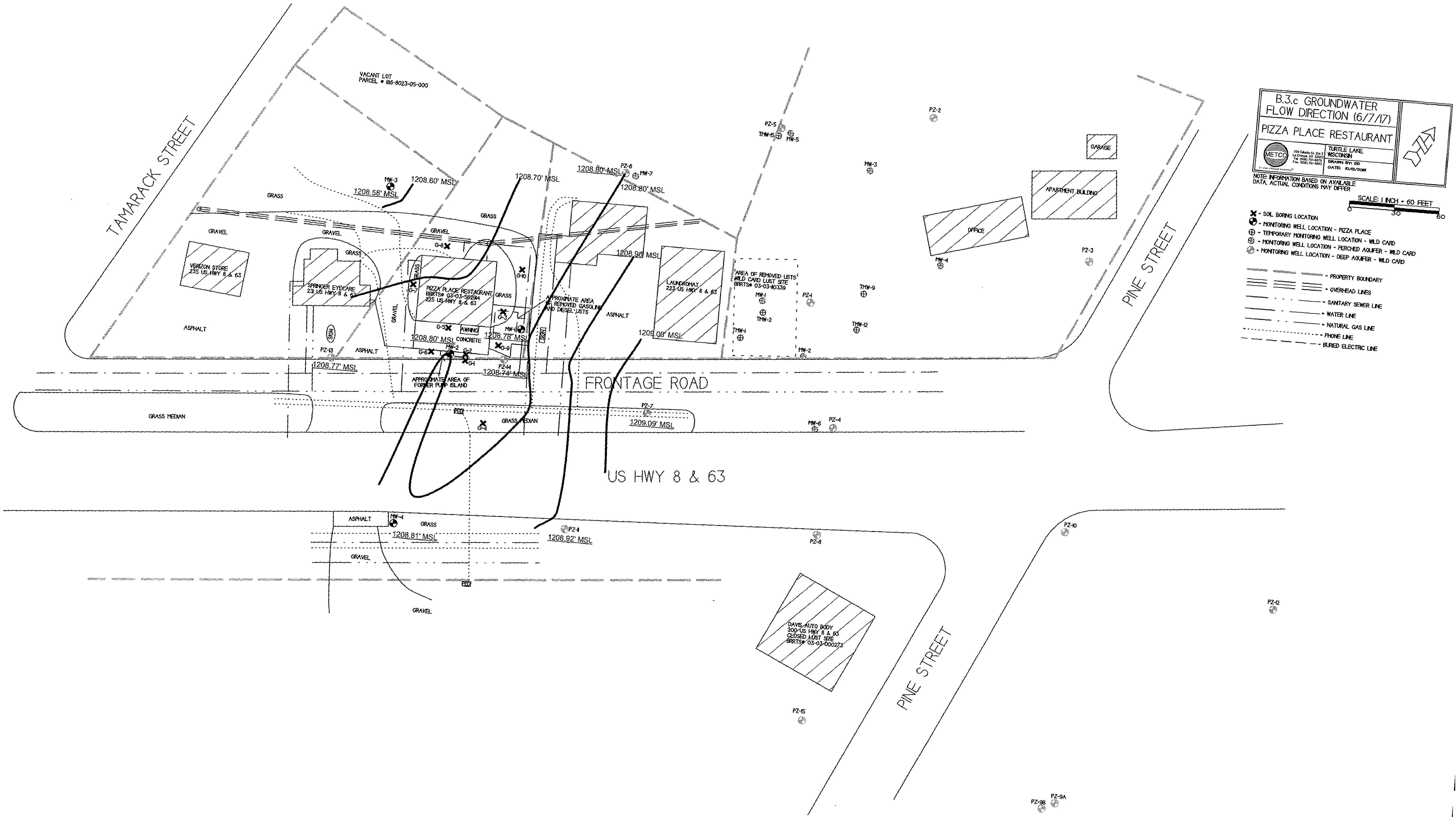
DRAWN BY: GF DATE: 6-7-17 FIELD DWG. NO.: 52817	REVISIONS FAUERBACH SURVEYING & ENG. PO BOX 140, HILLSBORO, WI 54634 PH/FAX 608-489-3363	PROJECT: PIZZA PLACE RESTAURANT 225 USH 8 & 63 TURTLE LAKE, WI 54889	SHEET NAME DATA SHEET	PAGE 1 OF 1


B.I.b
DETAILED SITE MAP
PIZZA PLACE RESTAURANT
METCO
709 Gillette St. Ste 3
La Crosse, WI 54603
Tel (608) 781-8879
Fax (608) 781-8893
TURTLE LAKE
WISCONSIN
DRAWN BY: ED
DATE: 10/12/2010
NOTE: INFORMATION BASED ON AVAILABLE DATA. ACTUAL CONDITIONS MAY DIFFER
SCALE: 1 INCH = 60 FEET
0
30
60
- SOIL BORING LOCATION
- MONITORING WELL LOCATION - PIZZA PLACE
- TEMPORARY MONITORING WELL LOCATION - WILD CARD
- MONITORING WELL LOCATION - PERCHED AQUIFER - WILD CARD
- MONITORING WELL LOCATION - DEEP AQUIFER - WILD CARD
- PROPERTY BOUNDARY
- OVERHEAD LINES
- SANITARY SEWER LINE
- WATER LINE
- NATURAL GAS LINE
- PHONE LINE
- BURIED ELECTRIC LINE
TAMARACK STREET
VACANT LOT
PARCEL # 186-8023-05-000
GRASS
GRAVEL
VERIZON STORE
235 US HWY 8 & 63
SPRINGER EYECARE
231 US HWY 8 & 63
PIZZA PLACE RESTAURANT
BRRTS# 03-03-562914
225 US HWY 8 & 63
APPROXIMATE AREA OF REMOVED GASOLINE AND DIESEL USTS
APPROXIMATE AREA OF FORMER PUMP ISLAND
CONCRETE
AWNING
SIGN
ASPHALT
LAUNDROMAT
223 US HWY 8 & 63
AREA OF REMOVED USTS
WILD CARD LUST SITE
BRRTS# 03-03-110339
OFFICE
APARTMENT BUILDING
GARAGE
PINE STREET
FRONTAGE ROAD
GRASS MEDIAN
US HWY 8 & 63
DAVIS AUTO BODY
200 US HWY 8 & 63
CLOSED LUST SITE
BRRTS# 03-03-000273
MW-1
MW-2
MW-3
MW-4
MW-5
MW-6
MW-7
TMW-1
TMW-2
TMW-9
TMW-12
TMW-15
G-1
G-2
G-3
G-4
G-5
G-6
G-7
G-8
G-9
G-10
PZ-1
PZ-2
PZ-3
PZ-4
PZ-5
PZ-6
PZ-7
PZ-8
PZ-9A
PZ-9B
PZ-10
PZ-11
PZ-12
PZ-13
PZ-14
PZ-15

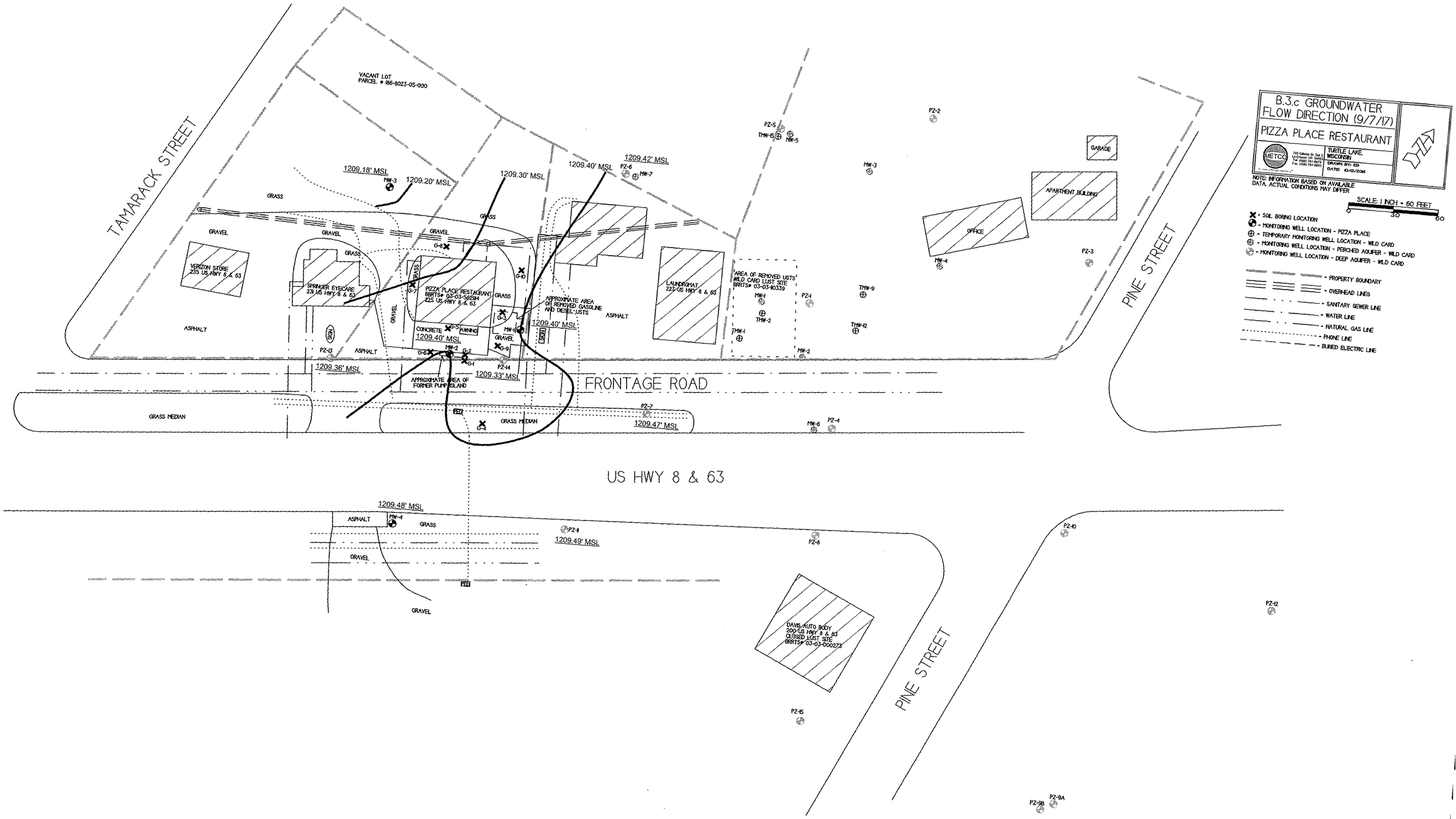

B.2.a
SOIL CONTAMINATION
PIZZA PLACE RESTAURANT
METCO
709 Gillette St. Ste 3
La Crosse, WI 54603
Tel (608) 781-8879
Fax (608) 781-8893
TURTLE LAKE, WISCONSIN
DRAWN BY: ED
DATE: 10/12/2016
NOTE: INFORMATION BASED ON AVAILABLE DATA. ACTUAL CONDITIONS MAY DIFFER
SCALE: 1 INCH = 60 FEET
0
30
60
- SOIL BORING LOCATION
- MONITORING WELL LOCATION - PIZZA PLACE
- TEMPORARY MONITORING WELL LOCATION - WILD CARD
- MONITORING WELL LOCATION - PERCHED AQUIFER - WILD CARD
- MONITORING WELL LOCATION - DEEP AQUIFER - WILD CARD
- PROPERTY BOUNDARY
- OVERHEAD LINES
- SANITARY SEWER LINE
- WATER LINE
- NATURAL GAS LINE
- PHONE LINE
- BURIED ELECTRIC LINE
TAMARACK STREET
PINE STREET
FRONTAGE ROAD
US HWY 8 & 63
VACANT LOT
PARCEL # 186-8023-05-000
VERIZON STORE
235 US HWY 8 & 63
SPRINGER EYECARE
231 US HWY 8 & 63
PIZZA PLACE RESTAURANT
BRRTS# 03-03-562914
225 US HWY 8 & 63
LAUNDROMAT
223 US HWY 8 & 63
AREA OF REMOVED USTS
WILD CARD LUST SITE
BRRTS# 03-03-40339
OFFICE
APARTMENT BUILDING
GARAGE
DAVIS AUTO BODY
200 US HWY 8 & 63
CLOSED LUST SITE
BRRTS# 03-03-000273
APPROXIMATE AREA OF REMOVED GASOLINE AND DIESEL USTS
APPROXIMATE AREA OF FORMER PUMP ISLAND
CONCRETE
AWNING
GRASS MEDIAN
ESTIMATED EXTENT OF PETROLEUM CONTAMINATION IN UNSATURATED SOIL EXCEEDING NR720 GROUNDWATER RCL'S AND/OR C-SAT VALUES
ESTIMATED EXTENT OF PETROLEUM CONTAMINATION IN UNSATURATED SOIL EXCEEDING NR720 NON-INDUSTRIAL DIRECT CONTACT RCL'S AND/OR C-SAT VALUES

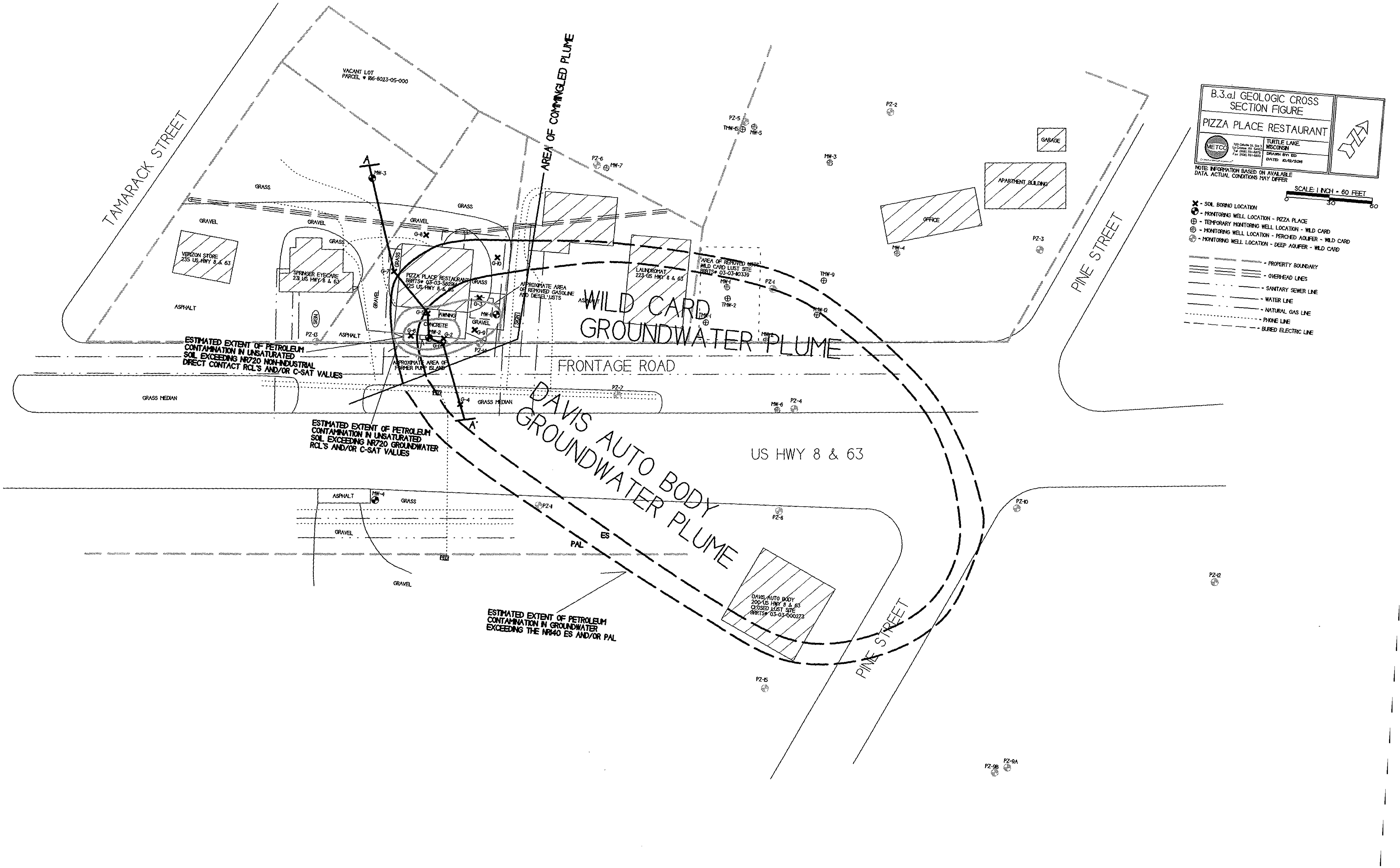


B.3.b GROUNDWATER ISOCONCENTRATION (9/7/17)
PIZZA PLACE RESTAURANT
METCO
TURTLE LAKE WISCONSIN
DRAWN BY: ED
DATE: 10/12/2016
NOTE: INFORMATION BASED ON AVAILABLE DATA. ACTUAL CONDITIONS MAY DIFFER
SCALE: 1 INCH = 60 FEET
0
30
60
- SOIL BORING LOCATION
- MONITORING WELL LOCATION - PIZZA PLACE
- TEMPORARY MONITORING WELL LOCATION - WILD CARD
- MONITORING WELL LOCATION - PERCHED AQUIFER - WILD CARD
- MONITORING WELL LOCATION - DEEP AQUIFER - WILD CARD
- PROPERTY BOUNDARY
- OVERHEAD LINES
- SANITARY SEWER LINE
- WATER LINE
- NATURAL GAS LINE
- PHONE LINE
- BURIED ELECTRIC LINE
TAMARACK STREET
VACANT LOT
AREA OF COMMINGLED PLUME
WILD CARD GROUNDWATER PLUME
DAVIS AUTO BODY GROUNDWATER PLUME
FRONTAGE ROAD
US HWY 8 & 63
PINE STREET
VERIZON STORE 235 US HWY 8 & 63
SPRINGER EYECARE 231 US HWY 8 & 63
LAUNDROMAT 223 US HWY 8 & 63
GARAGE
APARTMENT BUILDING
OFFICE
GRASS MEDIAN
ESTIMATED EXTENT OF PETROLEUM CONTAMINATION IN GROUNDWATER EXCEEDING THE NR140 ES AND/OR PAL
PAL
ES
GRASS
GRAVEL
ASPHALT
CONCRETE
AWNING
SIGN
APPROXIMATE AREA OF REMOVED GASOLINE AND DIESEL USTS
APPROXIMATE AREA OF FORMER PUMP ISLAND



B.3.c GROUNDWATER FLOW DIRECTION (6/7/17)
PIZZA PLACE RESTAURANT
METCO
TURTLE LAKE, WISCONSIN
DRAWN BY: ED
NOTE: INFORMATION BASED ON AVAILABLE DATA. ACTUAL CONDITIONS MAY DIFFER
SCALE: 1 INCH = 60 FEET
0 30 60
SOIL BORING LOCATION
MONITORING WELL LOCATION - PIZZA PLACE
TEMPORARY MONITORING WELL LOCATION - WILD CARD
MONITORING WELL LOCATION - PERCHED AQUIFER - WILD CARD
MONITORING WELL LOCATION - DEEP AQUIFER - WILD CARD
PROPERTY BOUNDARY
OVERHEAD LINES
SANITARY SEWER LINE
WATER LINE
NATURAL GAS LINE
PHONE LINE
BURIED ELECTRIC LINE
TAMARACK STREET
PINE STREET
FRONTAGE ROAD
US HWY 8 & 63
VACANT LOT PARCEL # 185-8023-05-000
VERIZON STORE 235 US HWY 8 & 63
SPRINGER EYECARE 231 US HWY 8 & 63
PIZZA PLACE RESTAURANT BRRTS# 03-03-56294 225 US HWY 8 & 63
APPROXIMATE AREA OF REMOVED GASOLINE AND DIESEL USTS
APPROXIMATE AREA OF FORMER PUMP ISLAND
LAUNDROMAT 223 US HWY 8 & 63
AREA OF REMOVED USTS WILD CARD LUST SITE BRRTS# 03-03-110339
OFFICE
APARTMENT BUILDING
GARAGE
DAVIS AUTO BODY 200 US HWY 8 & 63 CLOSED LUST SITE BRRTS# 03-03-000273
GRASS
GRAVEL
ASPHALT
CONCRETE
AWNING
GRASS MEDIAN
1208.58' MSL
1208.60' MSL
1208.70' MSL
1208.80' MSL
1208.80' MSL
1208.90' MSL
1209.00' MSL
1208.80' MSL
1208.78' MSL
1208.77' MSL
1208.74' MSL
1209.09' MSL
1208.81' MSL
1208.92' MSL


B.3.c GROUNDWATER FLOW DIRECTION (9/7/17)
PIZZA PLACE RESTAURANT
METCO
TURTLE LAKE, WISCONSIN
DRAWN BY: ED
DATE: 10/23/2015
NOTE: INFORMATION BASED ON AVAILABLE DATA. ACTUAL CONDITIONS MAY DIFFER
SCALE: 1 INCH = 60 FEET
0
30
60
X - SOIL BORING LOCATION
- MONITORING WELL LOCATION - PIZZA PLACE
- TEMPORARY MONITORING WELL LOCATION - WILD CARD
- MONITORING WELL LOCATION - PERCHED AQUIFER - WILD CARD
- MONITORING WELL LOCATION - DEEP AQUIFER - WILD CARD
- PROPERTY BOUNDARY
- OVERHEAD LINES
- SANITARY SEWER LINE
- WATER LINE
- NATURAL GAS LINE
- PHONE LINE
- BURIED ELECTRIC LINE
TAMARACK STREET
PINE STREET
FRONTAGE ROAD
US HWY 8 & 63
VACANT LOT
PARCEL # 186-8023-05-000
VERIZON STORE
235 US HWY 8 & 63
SPRINGER EYECARE
231 US HWY 8 & 63
PIZZA PLACE RESTAURANT
BRRTS# 03-03-562914
225 US HWY 8 & 63
LAUNDROMAT
223 US HWY 8 & 63
AREA OF REMOVED USTS
WILD CARD LUST SITE
BRRTS# 03-03-140339
APPROXIMATE AREA OF REMOVED GASOLINE AND DIESEL USTS
APPROXIMATE AREA OF FORMER PUMP ISLAND
GARAGE
APARTMENT BUILDING
OFFICE
DAVIS AUTO BODY
209 US HWY 8 & 63
CLOSED LUST SITE
BRRTS# 03-03-000273
1209.18' MSL
1209.20' MSL
1209.30' MSL
1209.40' MSL
1209.42' MSL
1209.36' MSL
1209.33' MSL
1209.47' MSL
1209.48' MSL
1209.49' MSL
MW-1
MW-2
MW-3
MW-4
MW-5
MW-6
MW-7
TMW-1
TMW-2
TMW-5
TMW-9
TMW-12
PZ-1
PZ-2
PZ-3
PZ-4
PZ-5
PZ-6
PZ-7
PZ-8
PZ-9A
PZ-9B
PZ-10
PZ-12
PZ-13
PZ-14
PZ-15
G-1
G-2
G-3
G-4
G-5
G-6
G-7
G-8
G-9
G-10
GRASS
GRAVEL
ASPHALT
CONCRETE
AWNING
SIGN
FENCE
GRASS MEDIAN


B.3.a.I GEOLOGIC CROSS SECTION FIGURE
PIZZA PLACE RESTAURANT
TURTLE LAKE, WISCONSIN
METCO
NOTE: INFORMATION BASED ON AVAILABLE DATA. ACTUAL CONDITIONS MAY DIFFER
SCALE: 1 INCH = 60 FEET
SOIL BORING LOCATION
MONITORING WELL LOCATION - PIZZA PLACE
TEMPORARY MONITORING WELL LOCATION - WILD CARD
MONITORING WELL LOCATION - PERCHED AQUIFER - WILD CARD
MONITORING WELL LOCATION - DEEP AQUIFER - WILD CARD
PROPERTY BOUNDARY
OVERHEAD LINES
SANITARY SEWER LINE
WATER LINE
NATURAL GAS LINE
PHONE LINE
BURIED ELECTRIC LINE
TAMARACK STREET
PINE STREET
FRONTAGE ROAD
US HWY 8 & 63
VACANT LOT PARCEL # 186-8023-05-000
AREA OF COMMINGLED PLUME
WILD CARD GROUNDWATER PLUME
DAVIS AUTO BODY GROUNDWATER PLUME
VERIZON STORE 235 US HWY 8 & 63
SPRINGER EYECARE 231 US HWY 8 & 63
PIZZA PLACE RESTAURANT 225 US HWY 8 & 63
LAUNDROMAT 223 US HWY 8 & 63
AREA OF REMOVED USTS WILD CARD LUST SITE
APARTMENT BUILDING
OFFICE
GARAGE
DAVIS AUTO BODY 200 US HWY 8 & 63 CLOSED LUST SITE
APPROXIMATE AREA OF REMOVED GASOLINE AND DIESEL USTS
APPROXIMATE AREA OF FORMER PUMP ISLAND
ESTIMATED EXTENT OF PETROLEUM CONTAMINATION IN UNSATURATED SOIL EXCEEDING NR720 NON-INDUSTRIAL DIRECT CONTACT RCL'S AND/OR C-SAT VALUES
ESTIMATED EXTENT OF PETROLEUM CONTAMINATION IN UNSATURATED SOIL EXCEEDING NR720 GROUNDWATER RCL'S AND/OR C-SAT VALUES
ESTIMATED EXTENT OF PETROLEUM CONTAMINATION IN GROUNDWATER EXCEEDING THE NR140 ES AND/OR PAL
GRASS MEDIAN
GRASS
GRAVEL
ASPHALT
CONCRETE
AWNING
ES
PAL
A
A'

B.3.a.2 GEOLOGIC CROSS SECTION FIGURE (CLOSE UP)

PIZZA PLACE RESTAURANT

METCO
709 Gillette St, Ste 3
La Crosse, WI 54603
Tel: (608) 781-8879
Fax: (608) 781-8893
Excellence through experience

TURTLE LAKE, WISCONSIN

DRAWN BY: ED

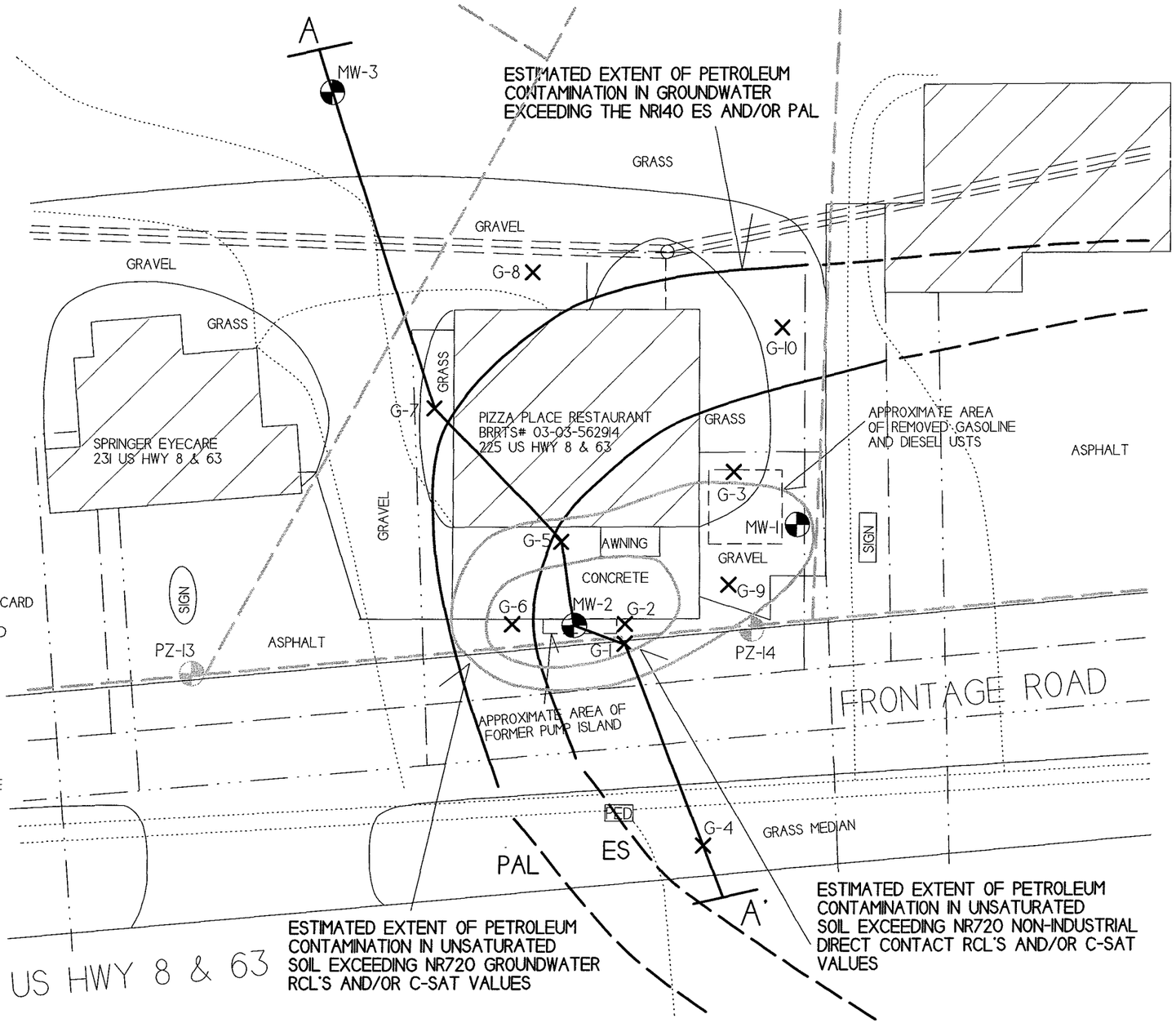
DATE: 10/12/2016

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

SCALE:
1 INCH = 25 FEET
0 25

- X - SOIL BORING LOCATION
- - MONITORING WELL LOCATION - PIZZA PLACE
- - TEMPORARY MONITORING WELL LOCATION - WILD CARD
- - MONITORING WELL LOCATION - PERCHED AQUIFER - WILD CARD
- - MONITORING WELL LOCATION - DEEP AQUIFER - WILD CARD

- PROPERTY BOUNDARY
- OVERHEAD LINES
- SANITARY SEWER LINE
- WATER LINE
- NATURAL GAS LINE
- PHONE LINE
- BURIED ELECTRIC LINE



B.3.a.3 GEOLOGIC CROSS SECTION FIGURE

PIZZA PLACE RESTAURANT

METCO
709 Gillette St. Suite 3
La Crosse, WI 54603
Tel: (608) 781-8879
Fax: (608) 781-8893
Excellence through experience™

TURTLE LAKE, WISCONSIN

DRAWN BY : JJ

DATE: 11/27/17

● - GEOPROBE BORING LOCATION
✕ - SOIL SAMPLING LOCATION
◒ - MONITORING WELL LOCATION
▼ - WATERTABLE BASED ON ALL TIME LOW MEASUREMENTS

HORIZONTAL SCALE:
1 INCH - 25 FEET
0 25

VERTICAL SCALE:
1 INCH - 5 FEET
5 0

NOTE: SOIL AND GROUNDWATER SAMPLE DATA IS BASED ON LABORATORY RESULTS FROM SAMPLES COLLECTED DURING THE FOLLOWING EVENTS:
- GEOPROBE PROJECT (1/9-11/17)
- DRILLING PROJECT (5/30-6/2/17)
- ROUND 2 GROUNDWATER SAMPLING (9/7/17)

INFORMATION BASED ON AVAILABLE DATA. ACTUAL CONDITIONS MAY DIFFER

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

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

GROUNDWATER FLOW IS TOWARD THE WEST.

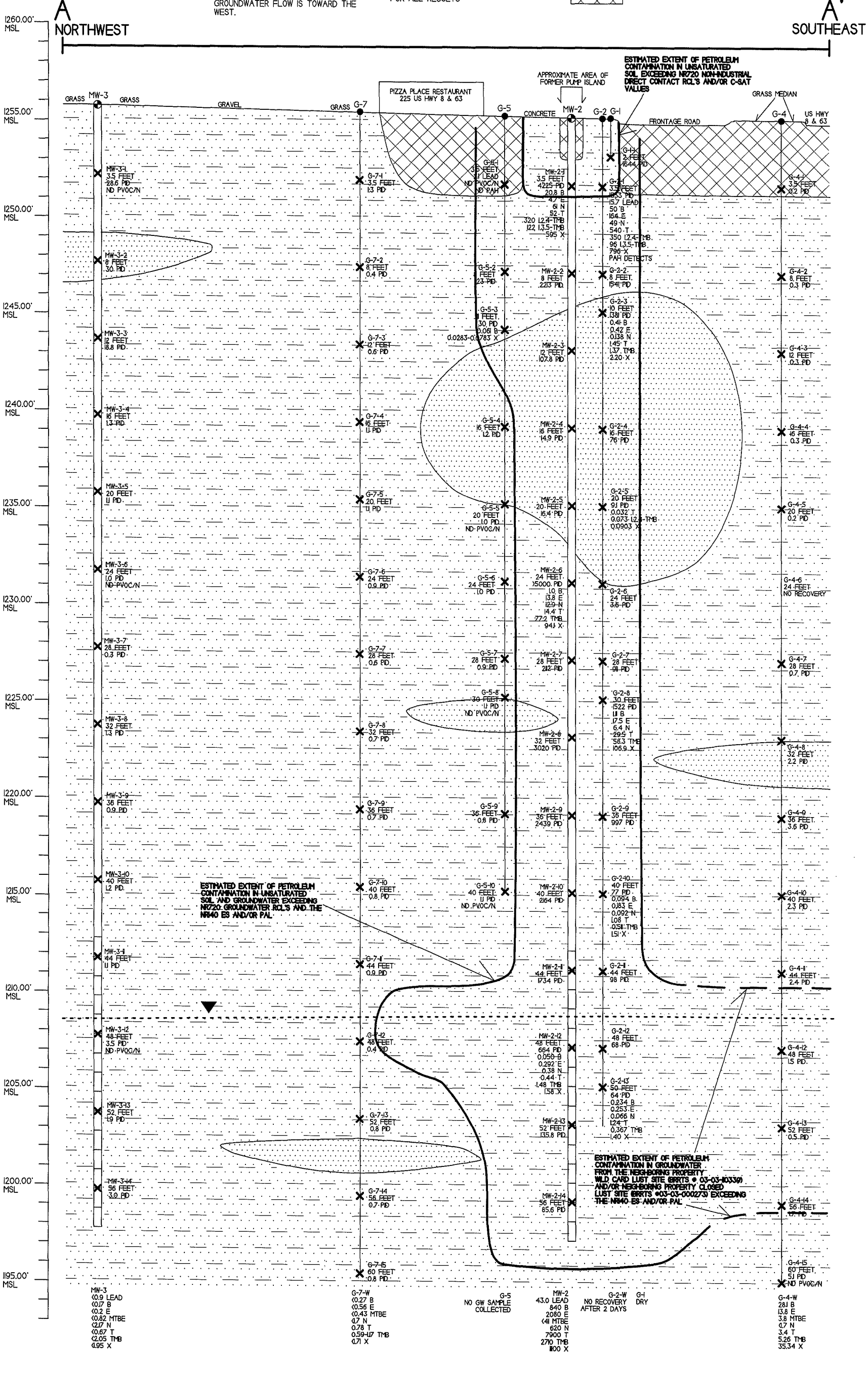
ND - NO DETECTS
PID - PHOTO IONIZATION DETECTOR
PVOC - PETROLEUM VOLATILE ORGANIC COMPOUNDS
PAH - POLYNUCLEAR AROMATIC HYDROCARBONS
B - BENZENE
E - ETHYLBENZENE
MTBE - METHYL-TERT-BUTYL-ETHER
N - NAPHTHALENE
T - TOLUENE
TMB - TRIMETHYLBENZENE
X - XYLENE

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

TAN TO BROWN TO RED VERY FINE TO COARSE GRAINED SAND

TAN TO BROWN TO RED SANDY SILT TO SILTY SAND WITH SOME GRAVEL

FILL MATERIAL (SAND, SILT, AND GRAVEL)



7.0 DATA TABLES, GRAPHS, AND STATISTICAL ANALYSIS

A.2 Soil Analytical Results Table
Pizza Place Restaurant Site BRRT's #03-03-562914

																DIRECT CONTACT PVOC & PAH COMBINED		
Sample ID	Depth (feet)	Saturation U/S	Date	PID	Lead (ppm)	DRO (ppm)	GRO (ppm)	Benzene (ppm)	Ethyl Benzene (ppm)	MTBE (ppm)	Naph-thalene (ppm)	Toluene (ppm)	1,2,4-Trime-thylbenzene (ppm)	1,3,5-Trime-thylbenzene (ppm)	Xylene (Total) (ppm)	Other VOC's (ppb)	Exeedance Count	Hazard Index	Cumulative Cancer Risk
G-1-1	2.0	U	01/09/17	1644.0	NS	NS	NS	NOT SAMPLED								NS			
G-2-1	3.5	U	01/09/17	1553.0	15.7	NS	NS	**(50)**	**(164)**	<2.5	**(49)**	**540**	**(350*)**	**96**	**(796*)**	SEE VOC SPREADSHEET	**5**	2.9709	5.5E-05
G-2-2	8.0	U	01/09/17	1541.0	NS	NS	NS	NOT SAMPLED								NS			
G-2-3	10.0	U	01/09/17	1381.0	NS	NS	NS	**0.41**	0.42	<0.025	0.138	**1.45**	1.05	0.32	2.20	NS			
G-2-4	16.0	U	01/09/17	76.0	NS	NS	NS	NOT SAMPLED								NS			
G-2-5	20.0	U	01/09/17	9.1	NS	NS	NS	<0.025	<0.025	<0.025	<0.025	0.032	0.073	<0.025	0.0903	NS			
G-2-6	24.0	U	01/09/17	3.6	NS	NS	NS	NOT SAMPLED								NS			
G-2-7	28.0	U	01/09/17	911.0	NS	NS	NS	NOT SAMPLED								NS			
G-2-8	30.0	U	01/09/17	1522.0	NS	NS	NS	**1.11**	**17.5**	<0.25	**6.4**	**29.5**	**44**	**14.3**	**106.9**	NS			
G-2-9	36.0	U	01/09/17	997.0	NS	NS	NS	NOT SAMPLED								NS			
G-2-10	40.0	U	01/09/17	77.0	NS	NS	NS	**0.094**	0.183	<0.025	0.092	1.08	0.40	0.111	1.51	NS			
G-2-11	44.0	U	01/09/17	98.0	NS	NS	NS	NOT SAMPLED								NS			
G-2-12	48.0	S	01/09/17	68.0	NS	NS	NS	NOT SAMPLED								NS			
G-2-13	50.0	S	01/09/17	64.0	NS	NS	NS	**0.234**	0.253	<0.025	0.066	**1.24**	0.289	0.078	1.40	NS			
G-3-1	3.5	U	01/09/17	0.4	4.7	NS	NS	<0.025	<0.025	<0.025	<0.0122	<0.025	<0.025	<0.025	<0.075	NS	0	1.18E-02	
G-3-2	8.0	U	01/09/17	0.4	NS	NS	NS	NOT SAMPLED								NS			
G-3-3	10.0	U	01/09/17	0.4	NS	NS	NS	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.075	NS			
G-3-4	16.0	U	01/09/17	0.5	NS	NS	NS	NOT SAMPLED								NS			
G-3-5	20.0	U	01/09/17	0.9	NS	NS	NS	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.075	NS			
G-3-6	24.0	U	01/09/17	0.3	NS	NS	NS	NOT SAMPLED								NS			
G-3-7	28.0	U	01/09/17	0.3	NS	NS	NS	NOT SAMPLED								NS			
G-3-8	30.0	U	01/09/17	0.8	NS	NS	NS	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.075	NS			
G-3-9	36.0	U	01/09/17	0.7	NS	NS	NS	NOT SAMPLED								NS			
G-3-10	40.0	U	01/09/17	0.6	NS	NS	NS	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.075	NS			
G-3-11	44.0	U	01/09/17	1.1	NS	NS	NS	NOT SAMPLED								NS			
G-3-12	48.0	S	01/09/17	3.7	NS	NS	NS	NOT SAMPLED								NS			
G-3-13	50.0	S	01/09/17	7.7	NS	NS	NS	**0.11**	<0.025	<0.025	<0.025	0.105	<0.025	<0.025	0.086-0.136	NS			
G-3-14	56.0	S	01/09/17	8.9	NS	NS	NS	NOT SAMPLED								NS			
G-3-15	57.0	S	01/09/17	13.6	NS	NS	NS	**0.146**	0.053	<0.025	<0.025	0.055	<0.025	<0.025	0.097	NS			
G-4-1	3.5	U	01/09/17	0.2	NS	NS	NS	NOT SAMPLED								NS	0		
G-4-2	8.0	U	01/09/17	0.3	NS	NS	NS	NOT SAMPLED								NS			
G-4-3	12.0	U	01/09/17	0.3	NS	NS	NS	NOT SAMPLED								NS			
G-4-4	16.0	U	01/09/17	0.3	NS	NS	NS	NOT SAMPLED								NS			
G-4-5	20.0	U	01/09/17	0.2	NS	NS	NS	NOT SAMPLED								NS			
G-4-6								NO RECOVERY								NS			
G-4-7	28.0	U	01/09/17	0.7	NS	NS	NS	NOT SAMPLED								NS			
G-4-8	32.0	U	01/09/17	2.2	NS	NS	NS	NOT SAMPLED								NS			
G-4-9	36.0	U	01/09/17	3.6	NS	NS	NS	NOT SAMPLED								NS			
G-4-10	40.0	U	01/09/17	2.3	NS	NS	NS	NOT SAMPLED								NS			
G-4-11	44.0	U	01/09/17	2.4	NS	NS	NS	NOT SAMPLED								NS			
G-4-12	48.0	S	01/09/17	1.5	NS	NS	NS	NOT SAMPLED								NS			
G-4-13	52.0	S	01/09/17	0.5	NS	NS	NS	NOT SAMPLED								NS			
G-4-14	56.0	S	01/09/17	1.7	NS	NS	NS	NOT SAMPLED								NS			
G-4-15	60.0	S	01/09/17	5.1	NS	NS	NS	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.075	NS			
G-5-1	3.5	U	01/10/17	NS	2.1	NS	NS	<0.025	<0.025	<0.025	<0.0122	<0.025	<0.025	<0.025	<0.075	NS	0	5.25E-03	
G-5-2	8.0	U	01/10/17	23.0	NS	NS	NS	NOT SAMPLED								NS			
G-5-3	11.0	U	01/10/17	30.0	NS	NS	NS	**0.061**	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	0.0283-0.0783	NS			
G-5-4	16.0	U	01/10/17	1.2	NS	NS	NS	NOT SAMPLED								NS			
G-5-5	20.0	U	01/10/17	1.0	NS	NS	NS	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.075	NS			
G-5-6	24.0	U	01/10/17	1.0	NS	NS	NS	NOT SAMPLED								NS			
G-5-7	28.0	U	01/10/17	0.9	NS	NS	NS	NOT SAMPLED								NS			
G-5-8	30.0	U	01/10/17	1.1	NS	NS	NS	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.075	NS			
G-5-9	36.0	U	01/10/17	0.8	NS	NS	NS	NOT SAMPLED								NS			
G-5-10	40.0	U	01/10/17	1.1	NS	NS	NS	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.075	NS			
G-6-1	3.5	U	01/10/17	573.0	5.5	NS	NS	**2.22**	**10.8**	<0.5	0.271	**1.43**	**67**	**19.5**	**58.8**	NS	**2**	0.3360	2.8E-06
G-6-2	8.0	U	01/10/17	393.0	NS	NS	NS	NOT SAMPLED								NS			
G-6-3	10.0	U	01/10/17	1179.0	NS	NS	NS	**3.6**	**3.14**	<0.025	**2.56**	**1.78**	**26.7**	**8.6**	**26.6**	NS			
G-6-4	16.0	U	01/10/17	54.0	NS	NS	NS	NOT SAMPLED								NS			
G-6-5	20.0	U	01/10/17	1.6	NS	NS	NS	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.075	NS			
G-6-6	24.0	U	01/10/17	0.9	NS	NS	NS	NOT SAMPLED								NS			
G-6-7	28.0	U	01/10/17	0.4	NS	NS	NS	NOT SAMPLED								NS			
G-6-8	30.0	U	01/10/17	1.1	NS	NS	NS	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.075	NS			
G-6-9	36.0	U	01/10/17	1.0	NS	NS	NS	NOT SAMPLED								NS			
G-6-10	40.0	U	01/10/17	0.6	NS	NS	NS	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.075	NS			
G-6-11	44.0	U	01/10/17	0.7	NS	NS	NS	NOT SAMPLED								NS			
G-6-12	48.0	S	01/10/17	1.2	NS	NS	NS	NOT SAMPLED								NS			
G-6-13	50.0	S	01/10/17	0.9	NS	NS	NS	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.075	NS			
G-6-14	56.0	S	01/10/17	0.7	NS	NS	NS	NOT SAMPLED								NS			
G-6-15	60.0	S	01/10/17	1.0	NS	NS	NS									NS			
G-7-1	3.5	U	01/10/17	1.3	NS	NS	NS	NOT SAMPLED								NS	0		
G-7-2	8.0	U	01/10/17	0.4	NS	NS	NS	NOT SAMPLED								NS			
G-7-3	12.0	U	01/10/17	0.6	NS	NS	NS	NOT SAMPLED								NS			
G-7-4	16.0	U	01/10/17	1.1	NS	NS	NS	NOT SAMPLED								NS			
G-7-5	20.0	U	01/10/17	1.1	NS	NS	NS	NOT SAMPLED								NS			
G-7-6	24.0	U	01/10/17	0.9	NS	NS	NS	NOT SAMPLED								NS			
G-7-7	28.0	U	01/10/17	0.6	NS	NS	NS	NOT SAMPLED								NS			
G-7-8	32.0	U	01/10/17	0.7	NS	NS	NS	NOT SAMPLED								NS			
G-7-9	36.0	U	01/10/17	0.7	NS	NS	NS	NOT SAMPLED								NS			
G-7-10	40.0	U	01/10/17	0.8	NS	NS	NS	NOT SAMPLED								NS			
G-7-11	44.0	U	01/10/17	0.9	NS	NS	NS	NOT SAMPLED								NS			
G-7-12	48.0	S	01/10/17	0.4	NS	NS	NS	NOT SAMPLED								NS			
G-7-13	52.0	S	01/10/17	0.8	NS	NS	NS	NOT SAMPLED								NS			
G-7-14	56.0	S	01/10/17	0.7	NS	NS	NS	NOT SAMPLED								NS			
G-7-15	60.0	S	01/10/17	0.8	NS	NS	NS	NOT SAMPLED								NS			
G-8-1	3.5	U	01/10/17	0.8	NS	NS	NS	NOT SAMPLED								NS	0		
G-8-2	8.0	U	01/10/17	0.4	NS	NS	NS	NOT SAMPLED								NS			
G-8-3	12.0	U	01/10/17	0.3	NS	NS	NS	NOT SAMPLED								NS			
G-8-4	16.0	U	01/10/17	0.2	NS	NS	NS	NOT SAMPLED								NS			
G-8-5	20.0	U	01/10/17	0.4	NS	NS	NS	NOT SAMPLED								NS			
G-8-6	24.0	U	01/10/17	0.4	NS	NS	NS	NOT SAMPLED								NS			
G-8-7	28.0	U	01/10/17	0.3	NS	NS	NS	NOT SAMPLED								NS			
G-8-8	32.0	U	01/10/17	0.3	NS	NS	NS	NOT SAMPLED								NS			
G-8-9	36.0	U	01/10/17	0.3	NS	NS	NS	NOT SAMPLED								NS			
G-8-10	40.0	U	01/10/17	0.2	NS	NS	NS	NOT SAMPLED								NS			
G-8-11	44.0	U	01/10/17	0.4	NS	NS	NS	NOT SAMPLED								NS			
G-8-12	48.0	S	01/10/17	0.3	NS	NS	NS	NOT SAMPLED								NS			
G-8-13	52.0	S	01/10/17	0.3	NS	NS	NS	NOT SAMPLED								NS			
G-8-14	56.0	S	01/10/17	0.2	NS	NS	NS	NOT SAMPLED								NS			
G-9-1	3.5	U	01/10/17	7.6	**92.9**	NS	NS	<0.025	<0.025	<0.025	0.226	<0.025	<0.025	<0.025	<0.075	NS	0	0.2363	2.5E-07
G-9-2	8.0	U	01/10/17	6.3	NS	NS	NS	NOT SAMPLED								NS			
G-9-3	10.0	U	01/10/17	8.2	NS	NS	NS	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.075	NS			
G-9-4	16.0	U	01/10/17	0.2	NS	NS	NS	NOT SAMPLED								NS			
G-9-5	20.0	U	01/10/17	0.1	NS	NS	NS	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.075	NS			
G-9-6	24.0	U	01/10/17	0.3	NS	NS	NS	NOT SAMPLED								NS			
G-9-7	28.0	U	01/10/17	0.4	NS	NS	NS	NOT SAMPLED								NS			
G-9-8	32.0	U	01/10/17	3.8	NS	NS	NS	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.075	NS			
G-9-9	36.0	U	01/10/17	68.0	NS	NS	NS	<0.025	0.071	<0.025	0.048	0.118	0.259	0.094	0.449	NS			
G-9-10	40.0	U	01/10/17	38.0	NS	NS	NS	0.13	0.072	<0.025	0.065	0.34	0.177	0.061	0.429	NS			
G-10-1	3.5	U	01/11/17	0.4	NS	NS	NS	NOT SAMPLED								NS	0		
G-10-2	8.0	U	01/11/17	2.4	NS	NS	NS	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.075	NS			
G-10-3								NO RECOVERY								NS			
G-10-4	16.0	U	01/11/17	0.5	NS	NS	NS	NOT SAMPLED								NS			
G-10-5	20.0	U	01/11/17	0.6	NS	NS	NS	NOT SAMPLED								NS			
G10-6	24.0	U	01/11/17	0.5	NS	NS	NS	NOT SAMPLED								NS			
G-10-7	28.0	U	01/11/17	0.4	NS	NS	NS	NOT SAMPLED								NS			
G-10-8	32.0	U	01/11/17	0.5	NS	NS	NS	NOT SAMPLED								NS			
G-10-9	36.0	U	01/11/17	0.7	NS	NS	NS	NOT SAMPLED								NS			
G-10-14	40.0	U	01/11/17	0.8	NS	NS	NS	NOT SAMPLED								NS			
G-10-11	44.0	U	01/11/17	0.5	NS	NS	NS	NOT SAMPLED								NS			
G-10-12	48.0	S	01/11/17	0.5	NS	NS	NS	NOT SAMPLED								NS			
G-10-13	50.0	S	01/11/17	0.7	NS	NS	NS	NOT SAMPLED								NS			
Groundwater RCL					27	-	-	0.00512	1.57	0.027	0.6582	1.11	1.38		3.96	-			
Non-Industrial Direct Contact RCL					400	-	-	**1.6**	**8.02**	**63.8**	**5.52**	**818**	**219**	**182**	**260**	-		1.00E+00	1.00E-05
Industrial Direct Contact RCL					(800)	-		(7.07)	(35.4)	(282)	(24.1)	(818)	(219)	(182)	(258)	-		1.00E+00	1.00E-05
Soil Saturation Concentration (C-sat)*					-	-	-	1820*	480*	8870*	-	818*	219*	182*	258*	-			

Bold = Groundwater RCL Exceedance
Bold & Underline = Non Industrial Direct Contact RCL Exceedance
(Bold & Parentheses) = Industrial Direct Contact RCL Exceedance
Bold & Asteric * = C-sat Exceedance
Italics = Industrial Direct Contact RCL
NS = Not Sampled
NM = Not Measured
(ppm) = parts per million
ND = No Detects
DRO = Diesel Range Organics
GRO = Gasoline Range Organics
PID = Photoionization Detector
PVOC's = Petroleum Volatile Organic Compounds
VOC's = Volatile Organic Compounds
Note: Non-Industrial RCLs apply to this site.

U=UNSATURATED (BASED ON ALL TIME LOW WATER TABLE PER WDNR)
S=SATURATED (BASED ON ALL TIME LOW WATER TABLE PER WDNR)

A.2 Soil Analytical Results Table
Pizza Place Restaurant Site BRRT's #03-03-562914

																DIRECT CONTACT PVOC & PAH COMBINED		
Sample ID	Depth (feet)	Saturation U/S	Date	PID	Lead (ppm)	DRO (ppm)	GRO (ppm)	Benzene (ppm)	Ethyl Benzene (ppm)	MTBE (ppm)	Naph-thalene (ppm)	Toluene (ppm)	1,2,4-Trime-thylbenzene (ppm)	1,3,5-Trime-thylbenzene (ppm)	Xylene (Total) (ppm)	Other VOC's (ppb)	Exeedance Count	Hazard Index	Cumulative Cancer Risk
MW-1-1	3.0	U	05/30/17	539.9	NS	NS	NS	<0.025	<0.025	<0.025	0.43	0.042	0.203	0.043	0.16-0.185	NS	0	0.0033	7.8E-08
MW-1-2	8.0	U	05/30/17	32.5	NOT SAMPLED											NS			
MW-1-3	12.0	U	05/30/17	29.8	NOT SAMPLED											NS			
MW-1-4	16.0	U	05/30/17	54.2	NOT SAMPLED											NS			
MW-1-5	20.0	U	05/30/17	358.7	NOT SAMPLED											NS			
MW-1-6	24.0	U	05/30/17	18.3	NOT SAMPLED											NS			
MW-1-7	28.0	U	05/30/17	14.2	NOT SAMPLED											NS			
MW-1-8	31.5	U	05/30/17	>5000	NS	NS	NS	**11.8**	**130**	<2.5	**68**	**143**	**340***	**119**	**693***	NS			
MW-1-9	36.0	U	05/30/17	1362	NOT SAMPLED											NS			
MW-1-10	40.0	U	05/30/17	346.2	NOT SAMPLED											NS			
MW-1-11	44.0	U	05/30/17	608.5	NOT SAMPLED											NS			
MW-1-12	48.0	S	05/30/17	2358	NS	NS	NS	**0.246**	0.241	<0.025	0.095	0.91	0.49	0.17	1.18	NS			
MW-1-13	NO RECOVERY															NS			
MW-1-14	56.0	S	05/30/17	992.7	NOT SAMPLED											NS			
MW-3-1	3.5	U	05/30/17	28.6	NS	NS	NS	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.075	NS	0		
MW-3-2	8.0	U	05/30/17	30	NOT SAMPLED											NS			
MW-3-3	12.0	U	05/30/17	18.8	NOT SAMPLED											NS			
MW-2-1	3.5	U	05/31/17	4225	NS	NS	NS	**(20.8)**	**4.7**	<2.5	**(61)**	**52**	**(320)***	**122**	**(595)***	NS	**4**	2.4952	2.5E-05
MW-2-2	8.0	U	05/31/17	2213	NOT SAMPLED											NS			
MW-2-3	12.0	U	05/31/17	107.8	NOT SAMPLED											NS			
MW-2-4	16.0	U	05/31/17	14.9	NOT SAMPLED											NS			
MW-2-5	20.0	U	05/31/17	16.4	NOT SAMPLED											NS			
MW-2-6	24.0	U	05/31/17	>5000	NS	NS	NS	**1.0**	**13.8**	<0.025	**12.9**	**14.4**	**58**	**19.2**	**94.1**	NS			
MW-2-7	28.0	U	05/31/17	2112	NOT SAMPLED											NS			
MW-2-8	32.0	U	05/31/17	3020	NOT SAMPLED											NS			
MW-2-9	36.0	U	05/31/17	2439	NOT SAMPLED											NS			
MW-2-10	40.0	U	05/31/17	2164	NOT SAMPLED											NS			
MW-2-11	44.0	U	05/31/17	1734	NOT SAMPLED											NS			
MW-2-12	48.0	S	05/31/17	664	NS	NS	NS	**0.050**	0.292	<0.025	0.38	0.44	**1.13**	**0.35**	1.58	NS			
MW-2-13	52.0	S	05/31/17	135.8	NOT SAMPLED											NS			
MW-2-14	56.0	S	05/31/17	85.6	NOT SAMPLED											NS			
MW-3-4	16.0	U	06/01/17	1.3	NOT SAMPLED											NS			
MW-3-5	20.0	U	06/01/17	1.1	NOT SAMPLED											NS			
MW-3-6	24.0	U	06/01/17	1.0	NS	NS	NS	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.075	NS			
MW-3-7	28.0	U	06/01/17	0.3	NOT SAMPLED											NS			
MW-3-8	32.0	U	06/01/17	1.3	NOT SAMPLED											NS			
MW-3-9	36.0	U	06/01/17	0.9	NOT SAMPLED											NS			
MW-3-10	40.0	U	06/01/17	1.2	NOT SAMPLED											NS			
MW-3-11	44.0	U	06/01/17	1.1	NOT SAMPLED											NS			
MW-3-12	48.0	S	06/01/17	3.5	NS	NS	NS	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.075	NS			
MW-3-13	52.0	S	06/01/17	1.9	NOT SAMPLED											NS			
MW-3-14	56.0	S	06/01/17	3.0	NOT SAMPLED											NS			
MW-4-1	3.5	U	06/01/17	7.1	NS	NS	NS	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.075	NS	0		
MW-4-2	NO RECOVERY															NS			
MW-4-3	12.0	U	06/01/17	1.9	NOT SAMPLED											NS			
MW-4-4	16.0	U	06/01/17	0.8	NOT SAMPLED											NS			
MW-4-5	20.0	U	06/01/17	0.4	NOT SAMPLED											NS			
MW-4-6	24.0	U	06/01/17	0.2	NS	NS	NS	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.075	NS			
MW-4-7	28.0	U	06/01/17	0.4	NOT SAMPLED											NS			
MW-4-8	32.0	U	06/01/17	0.2	NOT SAMPLED											NS			
MW-4-9	36.0	U	06/02/17	0.3	NOT SAMPLED											NS			
MW-4-10	40.0	U	06/02/17	0.6	NOT SAMPLED											NS			
MW-4-11	44.0	U	06/02/17	0.5	NOT SAMPLED											NS			
MW-4-12	48.0	S	06/02/17	0.3	NS	NS	NS	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.075	NS			
MW-4-13	52.0	S	06/02/17	0.4	NOT SAMPLED											NS			
MW-4-14	56.0	S	06/02/17	0.5	NOT SAMPLED											NS			
Groundwater RCL					27	-	-	0.00512	1.57	0.027	0.6582	1.11	1.38		3.96	-			
Non-Industrial Direct Contact RCL					400	-	-	1.6	8.02	63.8	5.52	818	219	182	260	-		1.00E+00	1.00E-05
Industrial Direct Contact RCL					(800)	-		(7.07)	(35.4)	(282)	(24.1)	(818)	(219)	(182)	(258)	-		1.00E+00	1.00E-05
Soil Saturation Concentration (C-sat)*					-	-	-	1820*	480*	8870*	-	818*	219*	182*	258*	-			

Bold = Groundwater RCL Exceedance
Bold & Underline = Non Industrial Direct Contact RCL Exceedance
(Bold & Parentheses) = Industrial Direct Contact RCL Exceedance
Bold & Asteric * = C-sat Exceedance
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PID = Photoionization Detector
PVOC's = Petroleum Volatile Organic Compounds
VOC's = Volatile Organic Compounds
Note: Non-Industrial RCLs apply to this site.

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S=SATURATED (BASED ON ALL TIME LOW WATER TABLE PER WDNR)

A.2 Soil Analytical Results Table
(PAH)
Pizza Place Restaurant Site BRRT's #03-03-562914

																					DIRECT CONTACT PVOC & PAH COMBINED		
Sample	Depth (feet)	Saturation U/S	Date	Acenaph-thene (ppm)	Acenaph-thylene (ppm)	Anthracene (ppm)	Benzo(a) anthracene (ppm)	Benzo(a) pyrene (ppm)	Benzo(b) fluoranthene (ppm)	Benzo(g,h,i) perylene (ppm)	Benzo(k) fluoranthene (ppm)	Chrysene (ppm)	Dibenzo(a,h) anthracene (ppm)	Fluoranthene (ppm)	Fluorene (ppm)	Indeno(1,2,3-cd) pyrene (ppm)	1-Methyl-naphthalene (ppm)	2-Methyl-naphthalene (ppm)	Naph-thalene (ppm)	Phenan-threne (ppm)	Pyrene (ppm)	Exeedance Count	Hazard Index	Cumulative Cancer Risk
G-2-1	3.5	U	01/09/17	<0.27	<0.24	<0.248	<0.232	<0.226	<0.26	<0.228	<0.234	<0.276	<0.284	<0.262	<0.27	<0.3	9.00	16.7	15.9	<0.218	<0.252	5	2.9709	5.5E-05
G-3-1	3.5	U	01/09/17	<0.0135	<0.012	<0.0124	<0.0116	<0.0113	<0.013	<0.0114	<0.0117	<0.0138	<0.0142	<0.0131	<0.0135	<0.015	<0.0143	<0.0119	<0.0122	<0.0109	<0.0126	0	1.18E-02	
G-5-1	3.5	U	01/09/17	<0.0135	<0.012	<0.0124	<0.0116	<0.0113	<0.013	<0.0114	<0.0117	<0.0138	<0.0142	<0.0131	<0.0135	<0.015	<0.0143	<0.0119	<0.0122	<0.0109	<0.0126	0	5.25E-03	
G-6-1	3.5	U	01/09/17	<0.0135	<0.012	<0.0124	<0.0116	<0.0113	<0.013	<0.0114	<0.0117	<0.0138	<0.0142	<0.0131	<0.0135	<0.015	0.209	0.36	0.271	<0.0109	<0.0126	2	0.3360	2.8E-06
G-9-1	3.5	U	01/09/17	<0.0135	<0.012	0.0259	0.0276	0.0159	0.0288	0.0184	<0.0117	0.048	<0.0142	0.032	<0.0135	<0.015	0.39	0.42	0.226	0.18	0.055	0	0.2363	2.5E-07
Groundwater RCL				---	---	**197**	---	**0.47**	**0.4793**	---	---	**0.145**	---	**88.8**	**14.8**	---	---	---	**0.6582**	---	**54.5**			
Non-Industrial Direct Contact RCL				**3590**	---	**17900**	**1.140**	**0.1150**	**1.150**	---	**11.50**	**115**	**0.1150**	**2390**	**2390**	**1.150**	**17.6**	**239**	**5.52**	---	**1790**		**1.00E+00**	**1.00E-05**
Industrial Direct Contact RCL				**(45200)**	---	**(100000)**	**(20.8)**	**(2.11)**	**(21.1)**	---	**(211)**	**(2110)**	**(2.11)**	**(30100)**	**(30100)**	**(21.1)**	**(72.7)**	**(3010)**	**(24.1)**	---	**(22600)**			
Soil Saturation Concentration (C-sat)*				---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---			

Bold = Groundwater RCL Exceedance
Bold & Underline = Non Industrial Direct Contact RCL Exceedance
(Bold & Parentheses) = Industrial Direct Contact RCL Exceedance
Bold &Asteric * = C-sat Exceedance
Italics = Industrial Direct Contact RCL
NS = Not Sampled
(ppm) = parts per million
PAH = Polynuclear Aromatic Hydrocarbons
PID = Photoionization Detector
VOC's = Volatile Organic Compounds

NM = Not Measured
ND = No Detects

U=UNSATURATED (BASED ON ALL TIME LOW WATER TABLE PER WDNR)
S=SATURATED (BASED ON ALL TIME LOW WATER TABLE PER WDNR)

A.2 Soil Analytical Results Table
Pizza Place Restaurant Site BRRT's #03-03-562914

Sampling Conducted on January 9, 2017

VOC's		Bold = Groundwater RCL	Underline & Bold = Non-Industrial Direct Contact RCL	(Parenthesis & Bold) = Industrial Direct Contact RCL	Asteric * & Bold =Soil Saturation (C-sat) RCL
Sample ID#	G-2-1				
Sample Depth/ft.	3.5				
Solids Percent	92.4				
Lead/ppm	15.7	27	400	(800)	= =
Benzene/ppm	50	0.00512	1.49	7.41	1820
Bromobenzene/ppm	< 3.9	= =	354	679	= =
Bromodichloromethane/ppm	< 1.5	0.000326	0.39	976	= =
Bromoform/ppm	< 2.3	0.00233	61.6	218	= =
tert-Butylbenzene/ppm	< 3.5	= =	183	183	183
sec-Butylbenzene/ppm	10.2 "J"	= =	145	145	145
n-Butylbenzene/ppm	46	= =	108	108	108
Carbon Tetrachloride/ppm	< 2.1	0.00388	0.85	4.25	= =
Chlorobenzene/ppm	< 3.9	= =	392	761	761
Chloroethane/ppm	< 4.5	0.227	= =	= =	= =
Chloroform/ppm	< 2.6	0.0033	0.42	2.13	= =
Chloromethane/ppm	< 25	0.0155	171	720	= =
2-Chlorotoluene/ppm	< 2.9	= =	= =	= =	= =
4-Chlorotoluene/ppm	< 3.2	= =	= =	= =	= =
1,2-Dibromo-3-chloropropane/ppm	< 7.8	0.000173	0.01	0.099	= =
Dibromochloromethane/ppm	< 3.1	0.032	0.93	4.4	= =
1,4-Dichlorobenzene/ppm	< 3	0.144	3.48	17.5	= =
1,3-Dichlorobenzene/ppm	< 3	1.15	297	297	297
1,2-Dichlorobenzene/ppm	< 3.9	1.17	376	376	376
Dichlorodifluoromethane/ppm	< 4.3	3.08	135	571	= =
1,2-Dichloroethane/ppm	< 3	0.00284	0.61	3.03	540
1,1-Dichloroethane/ppm	< 2.5	0.484	4.72	23.7	= =
1,1-Dichloroethene/ppm	< 2.9	0.00502	342	1190	1190
cis-1,2-Dichloroethene/ppm	< 2.1	0.0412	156	2040	= =
trans-1,2-Dichloroethene/ppm	< 2.4	0.0588	211	1670	= =
1,2-Dichloropropane/ppm	< 2.5	0.00332	1.33	6.62	= =
2,2-Dichloropropane/ppm	< 10	= =	527	527	527
1,3-Dichloropropane/ppm	< 3.1	= =	1490	1490	1490
Di-isopropyl ether/ppm	< 1.2	= =	2260	2260	2260
EDB (1,2-Dibromoethane)/ppm	< 3.5	0.0000282	0.05	3.03	= =
Ethylbenzene/ppm	164	1.57	7.47	37	480
Hexachlorobutadiene/ppm	< 11	= =	6.23	22.1	= =
Isopropylbenzene/ppm	21.1	= =	= =	= =	= =
p-Isopropyltoluene/ppm	< 5.6	= =	162	162	162
Methylene chloride/ppm	< 22	0.00256	60.7	1070	= =
Methyl tert-butyl ether (MTBE)/ppm	< 2.5	0.027	59.4	293	8870
Naphthalene/ppm	49	0.659	5.15	26	= =
n-Propylbenzene/ppm	76	= =	= =	= =	= =
1,1,2,2-Tetrachloroethane/ppm	< 1.3	0.000156	0.75	3.69	= =
1,1,1,2-Tetrachloroethane/ppm	< 2.9	0.0533	2.59	12.9	= =
Tetrachloroethene (PCE)/ppm	< 5.4	0.00454	30.7	153	= =
Toluene/ppm	540	1.11	818	818	818
1,2,4-Trichlorobenzene/ppm	< 8.5	0.408	22.1	98.7	= =
1,2,3-Trichlorobenzene/ppm	< 12	= =	48.9	493	= =
1,1,1-Trichloroethane/ppm	< 4	0.14	= =	= =	= =
1,1,2-Trichloroethane/ppm	< 3.3	0.00324	1.48	7.34	= =
Trichloroethene (TCE)/ppm	< 4.2	0.00358	0.64	8.81	= =
Trichlorofluoromethane/ppm	< 6	= =	1120	1230	1230
1,2,4-Trimethylbenzene/ppm	350	1.38	89.8	219	219
1,3,5-Trimethylbenzene/ppm	96		182	182	182
Vinyl Chloride/ppm	< 1	0.000138	0.07	2.03	= =
m&p-Xylene/ppm	570*	3.94	258	258	258
o-Xylene/ppm	226				

NS = not sampled, NM = Not Measured
(ppm) = parts per million
= = No Exceedences
"J" Flag: Analyte detected between LOD and LOQ LOD Limit of Detection LOQ Limit of Quantitation

Note: Non-Industrial RCLs apply to this site.

A.1 Groundwater Analytical Table
(Geoprobe)
Pizza Place Restaurant Site BRRT's #03-03-562914

Sample ID	Date	GRO (ppb)	Benzene (ppb)	Ethyl Benzene (ppb)	MTBE (ppb)	Naph-thalene (ppb)	Toluene (ppb)	Trimethyl-benzenes (ppb)	Xylene (Total) (ppb)
G-2-W	01/09/17	NS	NO RECOVERY						
G-3-W	01/09/17	NS	**390**	67	*12.4*	22.2	*320*	42.6	255.1
G-4-W	01/09/17	NS	**28.1**	13.8	3.8	<1.7	3.4	5.26	35.34
G-6-W	01/09/17	NS	*4.5*	7.1	<0.43	4.5	1.91	4.21	12.5
G-7-W	01/09/17	NS	<0.27	<0.56	<0.43	<1.7	0.78	0.59-1.17	<1.71
G-8-W	01/09/17	NS	<0.27	<0.56	<0.43	<1.7	0.49	<1.14	<1.71
G-10-W	01/09/17	NS	*3.6*	2.4	<0.43	6.1	4.4	12.41	13.5
ENFORCE MENT STANDARD ES = Bold		**-**	**5**	**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 (ppm) = parts per million
DRO = Diesel Range Organics
GRO = Gasoline Range Organics

A.1 Groundwater Analytical Table
Pizza Place Restaurant Site BRRT's #03-03-562914

Well Sampling Conducted on June 7, 2017

VOC's

Well Name	MW-1	MW-2	MW-3	MW-4	**ENFORCE MENT STANDARD = ES – Bold**	*PREVENTIVE ACTION LIMIT = PAL - Italics*
Lead/ppb	*1.6 "J"*	**40.1**	< 0.9	< 0.9	**15**	*1.5*
Benzene/ppb	**3400**	**690**	< 0.17	< 0.17	**5**	*0.5*
Bromobenzene/ppb	< 21.5	< 21.5	< 0.43	< 0.43	==	==
Bromodichloromethane/ppb	< 15.5	< 15.5	< 0.31	< 0.31	**0.6**	*0.06*
Bromoform/ppb	< 24.5	< 24.5	< 0.49	< 0.49	**4.4**	*0.44*
tert-Butylbenzene/ppb	< 19.5	< 19.5	< 0.39	< 0.39	==	==
sec-Butylbenzene/ppb	< 12	21.5 "J"	< 0.24	< 0.24	==	==
n-Butylbenzene/ppb	38 "J"	87	< 0.34	< 0.34	==	==
Carbon Tetrachloride/ppb	< 10.5	< 10.5	< 0.21	< 0.21	**5**	*0.5*
Chlorobenzene/ppb	< 13.5	< 13.5	< 0.27	< 0.27	==	==
Chloroethane/ppb	< 25	< 25	< 0.5	< 0.5	**400**	*80*
Chloroform/ppb	< 48	< 48	< 0.96	< 0.96	**6**	*0.6*
Chloromethane/ppb	< 65	< 65	< 1.3	< 1.3	**30**	*3*
2-Chlorotoluene/ppb	< 18	< 18	< 0.36	< 0.36	==	==
4-Chlorotoluene/ppb	< 17.5	< 17.5	< 0.35	< 0.35	==	==
1,2-Dibromo-3-chloropropane/ppb	< 94	< 94	< 1.88	< 1.88	**0.2**	*0.02*
Dibromochloromethane/ppb	< 22.5	< 22.5	< 0.45	< 0.45	**60**	*6*
1,4-Dichlorobenzene/ppb	< 21	< 21	< 0.42	< 0.42	**75**	*15*
1,3-Dichlorobenzene/ppb	< 22.5	< 22.5	< 0.45	< 0.45	**600**	*120*
1,2-Dichlorobenzene/ppb	< 17	< 17	< 0.34	< 0.34	**600**	*60*
Dichlorodifluoromethane/ppb	< 19	< 19	< 0.38	< 0.38	**1000**	*200*
1,2-Dichloroethane/ppb	< 22.5	**49 "J"**	< 0.45	< 0.45	**5**	*0.5*
1,1-Dichloroethane/ppb	< 21	< 21	< 0.42	< 0.42	**850**	*85*
1,1-Dichloroethene/ppb	< 23	< 23	< 0.46	< 0.46	**7**	*0.7*
cis-1,2-Dichloroethene/ppb	< 20.5	< 20.5	< 0.41	< 0.41	**70**	*7*
trans-1,2-Dichloroethene/ppb	< 17.5	< 17.5	< 0.35	< 0.35	**100**	*20*
1,2-Dichloropropane/ppb	< 19.5	< 19.5	< 0.39	< 0.39	**5**	*0.5*
1,3-Dichloropropane/ppb	< 24.5	< 24.5	< 0.49	< 0.49	==	==
trans-1,3-Dichloropropene	< 21	< 21	< 0.42	< 0.42	==	==
cis-1,3-Dichloropropene	< 10.5	< 10.5	< 0.21	< 0.21	==	==
Di-isopropyl ether/ppb	< 13	< 13	< 0.26	< 0.26	==	==
EDB (1,2-Dibromoethane)/ppb	< 17	184	< 0.34	< 0.34	**0.05**	*0.005*
Ethylbenzene/ppb	**1630**	**1770**	0.24 "J"	0.50 "J"	**700**	*140*
Hexachlorobutadiene/ppb	< 73.5	< 73.5	< 1.47	< 1.47	==	==
Isopropylbenzene/ppb	56	106	< 0.29	< 0.29	==	==
p-Isopropyltoluene/ppb	< 14	14.5 "J"	< 0.28	< 0.28	==	==
Methylene chloride/ppb	< 47	< 47	< 0.94	< 0.94	**5**	*0.5*
Methyl tert-butyl ether (MTBE)/ppb	< 41	< 41	< 0.82	< 0.82	**60**	*12*
Naphthalene/ppb	**272 "J"**	**670**	< 2.17	< 2.17	**100**	*10*
n-Propylbenzene/ppb	182	286	< 0.19	0.30 "J"	==	==
1,1,2,2-Tetrachloroethane/ppb	< 34.5	< 34.5	< 0.69	< 0.69	**0.2**	*0.02*
1,1,1,2-Tetrachloroethane/ppb	< 23.5	< 23.5	< 0.47	< 0.47	**70**	*7*
Tetrachloroethene (PCE)/ppb	< 24	< 24	< 0.48	< 0.48	**5**	*0.5*
Toluene/ppb	**2860**	**7000**	< 0.67	< 0.67	**800**	*160*
1,2,4-Trichlorobenzene/ppb	< 64.5	< 64.5	< 1.29	< 1.29	**70**	*14*
1,2,3-Trichlorobenzene/ppb	< 41.5	< 41.5	< 0.83	< 0.83	==	==
1,1,1-Trichloroethane/ppb	< 17.5	< 17.5	< 0.35	< 0.35	**200**	*40*
1,1,2-Trichloroethane/ppb	< 32.5	< 32.5	< 0.65	< 0.65	**5**	*0.5*
Trichloroethene (TCE)/ppb	< 22.5	< 22.5	< 0.45	< 0.45	**5**	*0.5*
Trichlorofluoromethane/ppb	< 32	< 32	< 0.64	< 0.64	==	==
1,2,4-Trimethylbenzene/ppb	**1400**	**2060**	< 1.14	1.76 "J"		
1,3,5-Trimethylbenzene/ppb	**370**	**470**	< 0.91	< 0.91	**Total TMB's 480**	*Total TMB's 96*
Vinyl Chloride/ppb	< 9.5	< 9.5	< 0.19	< 0.19	**0.2**	*0.02*
m&p-Xylene/ppb	**5900**	**6200**	< 1.56	1.86 "J"		
o-Xylene/ppb	**2390**	**3600**	0.43 "J"	0.92 "J"	**Total Xylenes 2000**	*Total Xylenes 400*

NS = not sampled, NM = Not Measured
Q = Analyte detected above laboratory method detection limit but below practical quantitation limit.
= = No Exceedences
(ppb) = parts per billion
(ppm) = parts per million
"J" Flag: Analyte detected between LOD and LOQ LOD Limit of Detection LOQ Limit of Quantitation

A.1 Groundwater Analytical Table
Pizza Place Restaurant Site BRRT's #03-03-562914

Well MW-1
PVC Elevation = 1254.69 (feet) (MSL)

Date	Water Elevation (in feet msl)	Depth to water from top of PVC (in feet)	Lead (ppb)	Benzene (ppb)	Ethyl Benzene (ppb)	MTBE (ppb)	Naph-thalene (ppb)	Toluene (ppb)	Trimethyl-benzenes (ppb)	Xylene (Total) (ppb)
06/07/17	1208.78	45.91	*1.6*	**3400**	**1630**	<41	**272**	**2860**	**1770**	**8290**
09/07/17	1209.40	45.29	0.9	**2750**	**1510**	<41	**390**	**5900**	**2080**	**7220**
ENFORCE MENT STANDARD **ES = Bold**			**15**	**5**	**700**	**60**	**100**	**800**	**480**	**2000**
PREVENTIVE ACTION LIMIT *PAL = Italics*			*1.5*	*0.5*	*140*	*12*	*10*	*160*	*96*	*400*

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

Well MW-2
PVC Elevation = 1254.68 (feet) (MSL)

Date	Water Elevation (in feet msl)	Depth to water from top of PVC (in feet)	Lead (ppb)	Benzene (ppb)	Ethyl Benzene (ppb)	MTBE (ppb)	Naph-thalene (ppb)	Toluene (ppb)	Trimethyl-benzenes (ppb)	Xylene (Total) (ppb)
06/07/17	1208.80	45.88	**40.1**	**690**	**1770**	<41	**670**	**7000**	**2530**	**9800**
09/07/17	1209.40	45.28	**43.0**	**840**	**2080**	<41	**620**	**7900**	**2710**	**11100**
ENFORCE MENT STANDARD **ES = Bold**			**15**	**5**	**700**	**60**	**100**	**800**	**480**	**2000**
PREVENTIVE ACTION LIMIT *PAL = Italics*			*1.5*	*0.5*	*140*	*12*	*10*	*160*	*96*	*400*

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

Well MW-3
PVC Elevation = 1255.29 (feet) (MSL)

Date	Water Elevation (in feet msl)	Depth to water from top of PVC (in feet)	Lead (ppb)	Benzene (ppb)	Ethyl Benzene (ppb)	MTBE (ppb)	Naph-thalene (ppb)	Toluene (ppb)	Trimethyl-benzenes (ppb)	Xylene (Total) (ppb)
06/07/17	1208.58	46.71	<0.9	<0.17	0.24	<0.82	<2.17	<0.67	<2.05	<1.95
09/07/17	1209.18	46.11	<0.9	<0.17	<0.2	<0.82	<2.17	<0.67	<2.05	<1.95
ENFORCE MENT STANDARD **ES = Bold**			**15**	**5**	**700**	**60**	**100**	**800**	**480**	**2000**
PREVENTIVE ACTION LIMIT *PAL = Italics*			*1.5*	*0.5*	*140*	*12*	*10*	*160*	*96*	*400*

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

A.1 Groundwater Analytical Table
Pizza Place Restaurant Site BRRT's #03-03-562914

Well MW-4
PVC Elevation = 1255.02 (feet) (MSL)

Date	Water Elevation (in feet msl)	Depth to water from top of PVC (in feet)	Lead (ppb)	Benzene (ppb)	Ethyl Benzene (ppb)	MTBE (ppb)	Naph-thalene (ppb)	Toluene (ppb)	Trimethyl-benzenes (ppb)	Xylene (Total) (ppb)
06/07/17	1208.81	46.21	<0.9	<0.17	0.50	<0.82	<2.17	<0.67	1.76-2.67	2.78
09/07/17	1209.48	45.54	<0.9	<0.17	<0.2	<0.82	<2.17	<0.67	<2.05	<1.95
ENFORCE MENT STANDARD **ES = Bold**			**15**	**5**	**700**	**60**	**100**	**800**	**480**	**2000**
PREVENTIVE ACTION LIMIT *PAL = Italics*			*1.5*	*0.5*	*140*	*12*	*10*	*160*	*96*	*400*

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

Well MW-7
PVC Elevation = 1257.38 (feet) (MSL)

Date	Water Elevation (in feet msl)	Depth to water from top of PVC (in feet)	Lead (ppb)	Benzene (ppb)	Ethyl Benzene (ppb)	MTBE (ppb)	Naph-thalene (ppb)	Toluene (ppb)	Trimethyl-benzenes (ppb)	Xylene (Total) (ppb)
06/07/17	1244.40	12.98	NOT SAMPLED							
09/07/17	1241.01	16.37	NOT SAMPLED							
ENFORCE MENT STANDARD **ES = Bold**			**15**	**5**	**700**	**60**	**100**	**800**	**480**	**2000**
PREVENTIVE ACTION LIMIT *PAL = Italics*			*1.5*	*0.5*	*140*	*12*	*10*	*160*	*96*	*400*

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

Well PZ-6
PVC Elevation = 1257.35 (feet) (MSL)

Date	Water Elevation (in feet msl)	Depth to water from top of PVC (in feet)	Lead (ppb)	Benzene (ppb)	Ethyl Benzene (ppb)	MTBE (ppb)	Naph-thalene (ppb)	Toluene (ppb)	Trimethyl-benzenes (ppb)	Xylene (Total) (ppb)
06/07/17	1208.80	48.55	NOT SAMPLED							
09/07/17	1209.42	47.93	NOT SAMPLED							
ENFORCE MENT STANDARD **ES = Bold**			**15**	**5**	**700**	**60**	**100**	**800**	**480**	**2000**
PREVENTIVE ACTION LIMIT *PAL = Italics*			*1.5*	*0.5*	*140*	*12*	*10*	*160*	*96*	*400*

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

A.1 Groundwater Analytical Table
Pizza Place Restaurant Site BRRT's #03-03-562914

Well PZ-7
PVC Elevation = 1256.37 (feet) (MSL)

Date	Water Elevation (in feet msl)	Depth to water from top of PVC (in feet)	Lead (ppb)	Benzene (ppb)	Ethyl Benzene (ppb)	MTBE (ppb)	Naph-thalene (ppb)	Toluene (ppb)	Trimethyl-benzenes (ppb)	Xylene (Total) (ppb)
06/07/17	1209.09	47.28	NOT SAMPLED							
09/07/17	1209.47	46.90	NOT SAMPLED							
ENFORCE MENT STANDARD **ES = Bold**			**15**	**5**	**700**	**60**	**100**	**800**	**480**	**2000**
PREVENTIVE ACTION LIMIT *PAL = Italics*			*1.5*	*0.5*	*140*	*12*	*10*	*160*	*96*	*400*

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

Well PZ-11
PVC Elevation = 1257.50 (feet) (MSL)

Date	Water Elevation (in feet msl)	Depth to water from top of PVC (in feet)	Lead (ppb)	Benzene (ppb)	Ethyl Benzene (ppb)	MTBE (ppb)	Naph-thalene (ppb)	Toluene (ppb)	Trimethyl-benzenes (ppb)	Xylene (Total) (ppb)
06/07/17	1208.92	48.58	NOT SAMPLED							
09/07/17	1209.49	48.01	NOT SAMPLED							
ENFORCE MENT STANDARD **ES = Bold**			**15**	**5**	**700**	**60**	**100**	**800**	**480**	**2000**
PREVENTIVE ACTION LIMIT *PAL = Italics*			*1.5*	*0.5*	*140*	*12*	*10*	*160*	*96*	*400*

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

Well PZ-13
PVC Elevation = 1253.98 (feet) (MSL)

Date	Water Elevation (in feet msl)	Depth to water from top of PVC (in feet)	Lead (ppb)	Benzene (ppb)	Ethyl Benzene (ppb)	MTBE (ppb)	Naph-thalene (ppb)	Toluene (ppb)	Trimethyl-benzenes (ppb)	Xylene (Total) (ppb)
06/07/17	1208.77	45.21	<0.9	<0.17	<0.2	<0.82	<2.17	<0.67	<2.05	<1.95
09/07/17	1209.36	44.62	<0.9	<0.17	<0.2	<0.82	<2.17	<0.67	<2.05	<1.95
ENFORCE MENT STANDARD **ES = Bold**			**15**	**5**	**700**	**60**	**100**	**800**	**480**	**2000**
PREVENTIVE ACTION LIMIT *PAL = Italics*			*1.5*	*0.5*	*140*	*12*	*10*	*160*	*96*	*400*

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

A.1 Groundwater Analytical Table
Pizza Place Restaurant Site BRRT's #03-03-562914

Well PZ-14
PVC Elevation = 1254.84 (feet) (MSL)

Date	Water Elevation (in feet msl)	Depth to water from top of PVC (in feet)	Lead (ppb)	Benzene (ppb)	Ethyl Benzene (ppb)	MTBE (ppb)	Naph-thalene (ppb)	Toluene (ppb)	Trimethyl-benzenes (ppb)	Xylene (Total) (ppb)
06/07/17	1208.74	46.10	*1.6*	**4400**	**2960**	<41	**640**	**6100**	**3210**	**15800**
09/07/17	1209.33	45.51	1.2	**5100**	**3300**	<41	**770**	**6100**	**3550**	**16700**
ENFORCE MENT STANDARD **ES = Bold**			**15**	**5**	**700**	**60**	**100**	**800**	**480**	**2000**
PREVENTIVE ACTION LIMIT *PAL = Italics*			*1.5*	*0.5*	*140*	*12*	*10*	*160*	*96*	*400*

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

A.1 Groundwater Analytical Table
(PAH)
Pizza Place Restaurant Site BRRT's #03-03-562914

Well MW-1

Date	Ace-naphthene (ppb)	Acenaph-thylene (ppb)	Anthracene (ppb)	Benzo(a) anthracene (ppb)	Benzo(a) pyrene (ppb)	Benzo(b) fluoranthene (ppb)	Benzo(g,h,I) Perylene (ppb)	Benzo(k) fluoranthene (ppb)	Chrysene (ppb)	Dibenzo(a,h) anthracene (ppb)	Fluoran-thene (ppb)	Fluorene (ppb)	Indeno(1,2,3-cd) pyrene (ppb)	1-Methyl-naphthalene (ppb)	2-Methyl-naphthalene (ppb)	Naph-thalene (ppb)	Phenan-threne (ppb)	Pyrene (ppb)
06/07/17	<0.80	<0.95	<0.95	<0.85	<1.00	<0.90	<1.25	<0.80	<1.00	<1.25	<0.85	<1.05	<1.15	48.0	82.0	**196**	<1.25	<1.00
ENFORCE MENT STANDARD = **ES – Bold**			**3000**	-	**0.2**	**0.2**	-	-	**0.2**	-	**400**	**400**	-	-	-	**100**	-	**250**
PREVENTIVE ACTION LIMIT = *PAL - Italics*			*600*	-	*0.02*	*0.02*	-	-	*0.02*	-	*80*	*80*	-	-	-	*10*	-	*50*

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

Well MW-2

Date	Ace-naphthene (ppb)	Acenaph-thylene (ppb)	Anthracene (ppb)	Benzo(a) anthracene (ppb)	Benzo(a) pyrene (ppb)	Benzo(b) fluoranthene (ppb)	Benzo(g,h,I) Perylene (ppb)	Benzo(k) fluoranthene (ppb)	Chrysene (ppb)	Dibenzo(a,h) anthracene (ppb)	Fluoran-thene (ppb)	Fluorene (ppb)	Indeno(1,2,3-cd) pyrene (ppb)	1-Methyl-naphthalene (ppb)	2-Methyl-naphthalene (ppb)	Naph-thalene (ppb)	Phenan-threne (ppb)	Pyrene (ppb)
06/07/17	<1.60	<1.90	<1.90	<1.70	<2.00	<1.80	<2.50	<1.60	<2.00	<2.50	<1.70	<2.10	<2.30	94.0	158	**380**	<2.50	<2.00
ENFORCE MENT STANDARD = **ES – Bold**			**3000**	-	**0.2**	**0.2**	-	-	**0.2**	-	**400**	**400**	-	-	-	**100**	-	**250**
PREVENTIVE ACTION LIMIT = *PAL - Italics*			*600*	-	*0.02*	*0.02*	-	-	*0.02*	-	*80*	*80*	-	-	-	*10*	-	*50*

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

Well MW-3

Date	Ace-naphthene (ppb)	Acenaph-thylene (ppb)	Anthracene (ppb)	Benzo(a) anthracene (ppb)	Benzo(a) pyrene (ppb)	Benzo(b) fluoranthene (ppb)	Benzo(g,h,I) Perylene (ppb)	Benzo(k) fluoranthene (ppb)	Chrysene (ppb)	Dibenzo(a,h) anthracene (ppb)	Fluoran-thene (ppb)	Fluorene (ppb)	Indeno(1,2,3-cd) pyrene (ppb)	1-Methyl-naphthalene (ppb)	2-Methyl-naphthalene (ppb)	Naph-thalene (ppb)	Phenan-threne (ppb)	Pyrene (ppb)
06/07/17	<0.016	<0.019	<0.019	<0.017	<0.02	<0.018	<0.025	<0.016	<0.02	<0.025	<0.017	<0.021	<0.023	0.076	0.082	0.151	0.036	<0.02
ENFORCE MENT STANDARD = **ES – Bold**			**3000**	-	**0.2**	**0.2**	-	-	**0.2**	-	**400**	**400**	-	-	-	**100**	-	**250**
PREVENTIVE ACTION LIMIT = *PAL - Italics*			*600*	-	*0.02*	*0.02*	-	-	*0.02*	-	*80*	*80*	-	-	-	*10*	-	*50*

(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
(PAH)
Pizza Place Restaurant Site BRRT's #03-03-562914

Well MW-4

Date	Ace-naphthene (ppb)	Acenaph-thylene (ppb)	Anthracene (ppb)	Benzo(a) anthracene (ppb)	Benzo(a) pyrene (ppb)	Benzo(b) fluoranthene (ppb)	Benzo(g,h,I) Perylene (ppb)	Benzo(k) fluoranthene (ppb)	Chrysene (ppb)	Dibenzo(a,h) anthracene (ppb)	Fluoran-thene (ppb)	Fluorene (ppb)	Indeno(1,2,3-cd) pyrene (ppb)	1-Methyl-naphthalene (ppb)	2-Methyl-naphthalene (ppb)	Naph-thalene (ppb)	Phenan-threne (ppb)	Pyrene (ppb)
06/07/17	<0.016	<0.019	<0.019	<0.017	<0.02	<0.018	<0.025	<0.016	<0.02	<0.025	<0.017	<0.021	<0.023	0.137	0.19	0.32	0.053	<0.02
ENFORCE MENT STANDARD = **ES – Bold**			**3000**	**-**	**0.2**	**0.2**	**-**	**-**	**0.2**	**-**	**400**	**400**	**-**	**-**	**-**	**100**	**-**	**250**
PREVENTIVE ACTION LIMIT = *PAL - Italics*			*600*	-	*0.02*	*0.02*	-	-	*0.02*	-	*80*	*80*	-	-	-	*10*	-	*50*

(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

Date	Ace-naphthene (ppb)	Acenaph-thylene (ppb)	Anthracene (ppb)	Benzo(a) anthracene (ppb)	Benzo(a) pyrene (ppb)	Benzo(b) fluoranthene (ppb)	Benzo(g,h,I) Perylene (ppb)	Benzo(k) fluoranthene (ppb)	Chrysene (ppb)	Dibenzo(a,h) anthracene (ppb)	Fluoran-thene (ppb)	Fluorene (ppb)	Indeno(1,2,3-cd) pyrene (ppb)	1-Methyl-naphthalene (ppb)	2-Methyl-naphthalene (ppb)	Naph-thalene (ppb)	Phenan-threne (ppb)	Pyrene (ppb)
06/07/17	NOT SAMPLED																	
ENFORCE MENT STANDARD = **ES – Bold**			**3000**	**-**	**0.2**	**0.2**	**-**	**-**	**0.2**	**-**	**400**	**400**	**-**	**-**	**-**	**100**	**-**	**250**
PREVENTIVE ACTION LIMIT = *PAL - Italics*			*600*	-	*0.02*	*0.02*	-	-	*0.02*	-	*80*	*80*	-	-	-	*10*	-	*50*

(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 PZ-6

Date	Ace-naphthene (ppb)	Acenaph-thylene (ppb)	Anthracene (ppb)	Benzo(a) anthracene (ppb)	Benzo(a) pyrene (ppb)	Benzo(b) fluoranthene (ppb)	Benzo(g,h,I) Perylene (ppb)	Benzo(k) fluoranthene (ppb)	Chrysene (ppb)	Dibenzo(a,h) anthracene (ppb)	Fluoran-thene (ppb)	Fluorene (ppb)	Indeno(1,2,3-cd) pyrene (ppb)	1-Methyl-naphthalene (ppb)	2-Methyl-naphthalene (ppb)	Naph-thalene (ppb)	Phenan-threne (ppb)	Pyrene (ppb)
06/07/17	NOT SAMPLED																	
ENFORCE MENT STANDARD = **ES – Bold**			**3000**	**-**	**0.2**	**0.2**	**-**	**-**	**0.2**	**-**	**400**	**400**	**-**	**-**	**-**	**100**	**-**	**250**
PREVENTIVE ACTION LIMIT = *PAL - Italics*			*600*	-	*0.02*	*0.02*	-	-	*0.02*	-	*80*	*80*	-	-	-	*10*	-	*50*

(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
(PAH)
Pizza Place Restaurant Site BRRT's #03-03-562914

Well PZ-7

Date	Ace-naphthene (ppb)	Acenaph-thylene (ppb)	Anthracene (ppb)	Benzo(a) anthracene (ppb)	Benzo(a) pyrene (ppb)	Benzo(b) fluoranthene (ppb)	Benzo(g,h,I) Perylene (ppb)	Benzo(k) fluoranthene (ppb)	Chrysene (ppb)	Dibenzo(a,h) anthracene (ppb)	Fluoran-thene (ppb)	Fluorene (ppb)	Indeno(1,2,3-cd) pyrene (ppb)	1-Methyl-naphthalene (ppb)	2-Methyl-naphthalene (ppb)	Naph-thalene (ppb)	Phenan-threne (ppb)	Pyrene (ppb)
06/07/17	NOT SAMPLED																	
ENFORCE MENT STANDARD = **ES – Bold**			**3000**	-	**0.2**	**0.2**	-	-	**0.2**	-	**400**	**400**	-	-	-	**100**	-	**250**
PREVENTIVE ACTION LIMIT = *PAL - Italics*			*600*	-	*0.02*	*0.02*	-	-	*0.02*	-	*80*	*80*	-	-	-	*10*	-	*50*

(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 PZ-11

Date	Ace-naphthene (ppb)	Acenaph-thylene (ppb)	Anthracene (ppb)	Benzo(a) anthracene (ppb)	Benzo(a) pyrene (ppb)	Benzo(b) fluoranthene (ppb)	Benzo(g,h,I) Perylene (ppb)	Benzo(k) fluoranthene (ppb)	Chrysene (ppb)	Dibenzo(a,h) anthracene (ppb)	Fluoran-thene (ppb)	Fluorene (ppb)	Indeno(1,2,3-cd) pyrene (ppb)	1-Methyl-naphthalene (ppb)	2-Methyl-naphthalene (ppb)	Naph-thalene (ppb)	Phenan-threne (ppb)	Pyrene (ppb)
06/07/17	NOT SAMPLED																	
ENFORCE MENT STANDARD = **ES – Bold**			**3000**	-	**0.2**	**0.2**	-	-	**0.2**	-	**400**	**400**	-	-	-	**100**	-	**250**
PREVENTIVE ACTION LIMIT = *PAL - Italics*			*600*	-	*0.02*	*0.02*	-	-	*0.02*	-	*80*	*80*	-	-	-	*10*	-	*50*

(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 PZ-13

Date	Ace-naphthene (ppb)	Acenaph-thylene (ppb)	Anthracene (ppb)	Benzo(a) anthracene (ppb)	Benzo(a) pyrene (ppb)	Benzo(b) fluoranthene (ppb)	Benzo(g,h,I) Perylene (ppb)	Benzo(k) fluoranthene (ppb)	Chrysene (ppb)	Dibenzo(a,h) anthracene (ppb)	Fluoran-thene (ppb)	Fluorene (ppb)	Indeno(1,2,3-cd) pyrene (ppb)	1-Methyl-naphthalene (ppb)	2-Methyl-naphthalene (ppb)	Naph-thalene (ppb)	Phenan-threne (ppb)	Pyrene (ppb)
06/07/17	NOT SAMPLED																	
ENFORCE MENT STANDARD = **ES – Bold**			**3000**	-	**0.2**	**0.2**	-	-	**0.2**	-	**400**	**400**	-	-	-	**100**	-	**250**
PREVENTIVE ACTION LIMIT = *PAL - Italics*			*600*	-	*0.02*	*0.02*	-	-	*0.02*	-	*80*	*80*	-	-	-	*10*	-	*50*

(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 PZ-14

Date	Ace-naphthene (ppb)	Acenaph-thylene (ppb)	Anthracene (ppb)	Benzo(a) anthracene (ppb)	Benzo(a) pyrene (ppb)	Benzo(b) fluoranthene (ppb)	Benzo(g,h,I) Perylene (ppb)	Benzo(k) fluoranthene (ppb)	Chrysene (ppb)	Dibenzo(a,h) anthracene (ppb)	Fluoran-thene (ppb)	Fluorene (ppb)	Indeno(1,2,3-cd) pyrene (ppb)	1-Methyl-naphthalene (ppb)	2-Methyl-naphthalene (ppb)	Naph-thalene (ppb)	Phenan-threne (ppb)	Pyrene (ppb)
06/07/17	NOT SAMPLED																	
ENFORCE MENT STANDARD = **ES – Bold**			**3000**	-	**0.2**	**0.2**	-	-	**0.2**	-	**400**	**400**	-	-	-	**100**	-	**250**
PREVENTIVE ACTION LIMIT = *PAL - Italics*			*600*	-	*0.02*	*0.02*	-	-	*0.02*	-	*80*	*80*	-	-	-	*10*	-	*50*

(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.6 Water Level Elevations

Pizza Place Restaurant Site BRRT's #03-03-562914

Turtle Lake, Wisconsin

	MW-1	MW-2	MW-3	MW-4	MW-7	PZ-6	PZ-7	PZ-11	PZ-13	PZ-14
Ground Surface (feet msl)	1255.11	1255.20	1255.78	1255.55	1255.00	1254.80	1256.61	1257.88	1254.43	1255.25
PVC top (feet msl)	1254.69	1254.68	1255.29	1255.02	1257.38	1257.35	1256.37	1257.50	1253.98	1254.84
Well Depth (feet)	58.00	58.00	58.00	58.00	17.00	66.00	64.00	66.00	61.00	61.00
Top of screen (feet msl)	1207.11	1207.20	1207.78	1207.55	1248.00	1198.80	1202.61	1201.88	1203.43	1204.25
Bottom of screen (feet msl)	1197.11	1197.20	1197.78	1197.55	1238.00	1188.80	1192.61	1191.88	1193.43	1194.25
Depth to Water From Top of PVC (feet)										
06/07/17	45.91	45.88	46.71	46.21	12.98	48.55	47.28	48.58	45.21	46.10
09/07/17	45.29	45.28	46.11	45.54	16.37	47.93	46.90	48.01	44.62	45.51
Depth to Water From Ground Surface (feet)										
06/07/17	46.33	46.40	47.20	46.74	10.60	46.00	47.52	48.96	45.66	46.51
09/07/17	45.71	45.80	46.60	46.07	13.99	45.38	47.14	48.39	45.07	45.92
Groundwater Elevation (feet msl)										
06/07/17	1208.78	1208.80	1208.58	1208.81	1244.40	1208.80	1209.09	1208.92	1208.77	1208.74
09/07/17	1209.40	1209.40	1209.18	1209.48	1241.01	1209.42	1209.47	1209.49	1209.36	1209.33

CNL = Could Not Locate
A = Abandoned and removed during soil excavation project
NI = Not Installed

A.7 Other
Groundwater NA Indicator Results
Pizza Place Restaurant Site BRRT's #03-03-562914

Well MW-1

Date	Dissolved Oxygen (ppm)	pH	ORP	Temp (C)	Specific Conductance	Nitrate + Nitrite (ppm)	Total Sulfate (ppm)	Dissolved Iron (ppm)	Man-ganese (ppb)
06/07/17	0.10	6.15	207	11.9	611	0.51	7.12	0.58	**3440**
09/07/17	0.58	7.39	203	10.9	545	NS	NS	NS	NS
ENFORCE MENT STANDARD = **ES – Bold**						**10**	-	-	**300**
PREVENTIVE ACTION LIMIT = *PAL - Italics*						*2*	-	-	*60*

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

Well MW-2

Date	Dissolved Oxygen (ppm)	pH	ORP	Temp (C)	Specific Conductance	Nitrate + Nitrite (ppm)	Total Sulfate (ppm)	Dissolved Iron (ppm)	Man-ganese (ppb)
06/07/17	1.08	6.50	256	13.2	1263	0.30	11.5	0.18	**6530**
09/07/17	0.28	7.46	234	11.1	780	NS	NS	NS	NS
ENFORCE MENT STANDARD = **ES – Bold**						**10**	-	-	**300**
PREVENTIVE ACTION LIMIT = *PAL - Italics*						*2*	-	-	*60*

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

Well MW-3

Date	Dissolved Oxygen (ppm)	pH	ORP	Temp (C)	Specific Conductance	Nitrate + Nitrite (ppm)	Total Sulfate (ppm)	Dissolved Iron (ppm)	Man-ganese (ppb)
06/07/17	4.93	6.56	301	11.1	2251	1.68	11.4	<0.03	**510**
09/07/17	3.01	8.48	322	9.7	2440	NS	NS	NS	NS
ENFORCE MENT STANDARD = **ES – Bold**						**10**	-	-	**300**
PREVENTIVE ACTION LIMIT = *PAL - Italics*						*2*	-	-	*60*

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

Well MW-4

Date	Dissolved Oxygen (ppm)	pH	ORP	Temp (C)	Specific Conductance	Nitrate + Nitrite (ppm)	Total Sulfate (ppm)	Dissolved Iron (ppm)	Man-ganese (ppb)
06/07/17	5.65	6.41	254	10.8	1094	*3.31*	15.3	0.04	**850**
09/07/17	4.41	8.28	326	10.1	502	NS	NS	NS	NS
ENFORCE MENT STANDARD = **ES – Bold**						**10**	-	-	**300**
PREVENTIVE ACTION LIMIT = *PAL - Italics*						*2*	-	-	*60*

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

A.7 Other
Groundwater NA Indicator Results
Pizza Place Restaurant Site BRRT's #03-03-562914

Well MW-7

Date	Dissolved Oxygen (ppm)	pH	ORP	Temp (C)	Specific Conductance	Nitrate + Nitrite (ppm)	Total Sulfate (ppm)	Dissolved Iron (ppm)	Man-ganese (ppb)
06/07/17	NOT SAMPLED								
09/07/17	NOT SAMPLED								
ENFORCE MENT STANDARD = **ES – Bold**						**10**	-	-	**300**
PREVENTIVE ACTION LIMIT = *PAL - Italics*						*2*	-	-	*60*

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

Well PZ-6

Date	Dissolved Oxygen (ppm)	pH	ORP	Temp (C)	Specific Conductance	Nitrate + Nitrite (ppm)	Total Sulfate (ppm)	Dissolved Iron (ppm)	Man-ganese (ppb)
06/07/17	NOT SAMPLED								
09/07/17	NOT SAMPLED								
ENFORCE MENT STANDARD = **ES – Bold**						**10**	-	-	**300**
PREVENTIVE ACTION LIMIT = *PAL - Italics*						*2*	-	-	*60*

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

Well PZ-7

Date	Dissolved Oxygen (ppm)	pH	ORP	Temp (C)	Specific Conductance	Nitrate + Nitrite (ppm)	Total Sulfate (ppm)	Dissolved Iron (ppm)	Man-ganese (ppb)
06/07/17	NOT SAMPLED								
09/07/17	NOT SAMPLED								
ENFORCE MENT STANDARD = **ES – Bold**						**10**	-	-	**300**
PREVENTIVE ACTION LIMIT = *PAL - Italics*						*2*	-	-	*60*

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

Well PZ-11

Date	Dissolved Oxygen (ppm)	pH	ORP	Temp (C)	Specific Conductance	Nitrate + Nitrite (ppm)	Total Sulfate (ppm)	Dissolved Iron (ppm)	Man-ganese (ppb)
06/07/17	NOT SAMPLED								
09/07/17	NOT SAMPLED								
ENFORCE MENT STANDARD = **ES – Bold**						**10**	-	-	**300**
PREVENTIVE ACTION LIMIT = *PAL - Italics*						*2*	-	-	*60*

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

A.7 Other
Groundwater NA Indicator Results
Pizza Place Restaurant Site BRRT's #03-03-562914

Well PZ-13

Date	Dissolved Oxygen (ppm)	pH	ORP	Temp (C)	Specific Conductance	Nitrate + Nitrite (ppm)	Total Sulfate (ppm)	Dissolved Iron (ppm)	Man-ganese (ppb)
06/07/17	3.18	6.47	287	12.5	671	NS	NS	NS	NS
09/07/17	3.13	8.36	260	10.6	495	NS	NS	NS	NS
ENFORCE MENT STANDARD = **ES – Bold**						**10**	-	-	**300**
PREVENTIVE ACTION LIMIT = *PAL - Italics*						*2*	-	-	*60*

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

Well PZ-14

Date	Dissolved Oxygen (ppm)	pH	ORP	Temp (C)	Specific Conductance	Nitrate + Nitrite (ppm)	Total Sulfate (ppm)	Dissolved Iron (ppm)	Man-ganese (ppb)
06/07/17	0.11	6.60	231	12.3	1265	NS	NS	NS	NS
09/07/17	0.47	7.42	79	10.9	790	NS	NS	NS	NS
ENFORCE MENT STANDARD = **ES – Bold**						**10**	-	-	**300**
PREVENTIVE ACTION LIMIT = *PAL - Italics*						*2*	-	-	*60*

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

A.7. Other
Pizza Place Restaurant
Hydraulic Conductivity Calculations

Hydraulic Conductivity High

	cm/s	m/yr
K	1.00E-04	3.15E+01

Hydraulic Conductivity Low

	cm/s	m/yr
K	1.00E-06	3.15E-01

Date	Elv. (High)	Elv. (Low)	Distance (ft)	Hyd Grad (I)
6/7/2017	1209.00	1208.60	184	0.0021739
9/7/2017	1209.40	1209.20	95	0.0021053
Average				0.0021396

	K (m/yr)	I	n	Flow Velocity (m/yr)
Hydraulic Conductivity High	3.15E+01	0.0021396	0.3	0.22466
Hydraulic Conductivity Low	3.15E-001	0.0021396	0.3	0.00225

8.0 PHOTOS

Photos

Photo #1: Looking north.

Photo #2: Looking northwest.

Photo #3: Looking northwest.

Photo #4: Looking north/northeast.

APPENDIX A/ METHODS OF INVESTIGATION

Geoprobe Project

Geoprobe sampling was completed by Geiss Soil & Samples LLC, 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 PSI Inc. of Chippewa Falls, Wisconsin, under the supervision of METCO personnel. Using a truck-mounted auger drill rig, all borings were completed in accordance with ASTM D-1452, "Soil Investigation and Sampling by Auger Boring," using 6.25-inch, inside-diameter (ID) augers. Soil sampling was conducted in accordance with ASTM D-1586 "Penetration Tests and Split-Barrel Sampling of Soils" using a 2-inch, outside-diameter (OD) 2.5-foot split spoon sampler. Using this procedure, a split spoon sampler is driven into the soil by a 140 pound weight falling 30 inches. Air rotary methods were used to drill through bedrock using a 6-inch tri-cone bit.

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 Rae Systems Mini RaeLite Photo-ionization Detector (PID) 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 PID probe was inserted through the Ziploc seal and the highest meter response recorded.

Throughout the field projects the PID 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 PSI Inc. 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 30-90 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 June 30, 2017, DKS Transport Services, LLC, of Menomonie, Wisconsin picked-up and disposed of fourteen drums of soil cuttings and three drums of purge water at 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

DOUGLAS POTVIN
DOUGLAS POTVIN
611 E. BRACKLIN STREET
RICE LAKE, WI 54868

Report Date *24-Jan-17*

Project Name PIZZA PLACE RESTAURANT **Invoice #** E32340
Project #

Lab Code 5032340A
Sample ID MEOH BLANK
Sample Matrix Soil
Sample Date 1/9/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	< 0.025	mg/kg	0.014	0.046	1	GRO95/8021		1/16/2017	TCC	I
Ethylbenzene	< 0.025	mg/kg	0.014	0.045	1	GRO95/8021		1/16/2017	TCC	I
Methyl tert-butyl ether (MTBE)	< 0.025	mg/kg	0.013	0.041	1	GRO95/8021		1/16/2017	TCC	I
Naphthalene	< 0.025	mg/kg	0.0094	0.03	1	GRO95/8021		1/16/2017	TCC	I
Toluene	< 0.025	mg/kg	0.015	0.048	1	GRO95/8021		1/16/2017	TCC	I
1,2,4-Trimethylbenzene	< 0.025	mg/kg	0.011	0.036	1	GRO95/8021		1/16/2017	TCC	I
1,3,5-Trimethylbenzene	< 0.025	mg/kg	0.012	0.038	1	GRO95/8021		1/16/2017	TCC	I
m&p-Xylene	< 0.05	mg/kg	0.023	0.074	1	GRO95/8021		1/16/2017	TCC	I
o-Xylene	< 0.025	mg/kg	0.024	0.078	1	GRO95/8021		1/16/2017	TCC	I

Project Name PIZZA PLACE RESTAURANT **Invoice #** E32340
Project #

Lab Code 5032340B
Sample ID G-2-I
Sample Matrix Soil
Sample Date 1/9/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	92.4	%			1	5021		1/13/2017	TCC	1
Inorganic										
Metals										
Lead, Total	15.7	mg/Kg	0.17	0.58	1	6010B		1/20/2017	CWT	1
Organic										
PAH SIM										
Acenaphthene	< 0.27	mg/kg	0.27	0.86	20	M8270C	1/18/2017	1/19/2017	NJC	1
Acenaphthylene	< 0.24	mg/kg	0.24	0.762	20	M8270C	1/18/2017	1/19/2017	NJC	1
Anthracene	< 0.248	mg/kg	0.248	0.79	20	M8270C	1/18/2017	1/19/2017	NJC	1
Benzo(a)anthracene	< 0.232	mg/kg	0.232	0.74	20	M8270C	1/18/2017	1/19/2017	NJC	1
Benzo(a)pyrene	< 0.226	mg/kg	0.226	0.718	20	M8270C	1/18/2017	1/19/2017	NJC	1
Benzo(b)fluoranthene	< 0.26	mg/kg	0.26	0.828	20	M8270C	1/18/2017	1/19/2017	NJC	1
Benzo(g,h,i)perylene	< 0.228	mg/kg	0.228	0.726	20	M8270C	1/18/2017	1/19/2017	NJC	1
Benzo(k)fluoranthene	< 0.234	mg/kg	0.234	0.742	20	M8270C	1/18/2017	1/19/2017	NJC	1
Chrysene	< 0.276	mg/kg	0.276	0.878	20	M8270C	1/18/2017	1/19/2017	NJC	1
Dibenzo(a,h)anthracene	< 0.284	mg/kg	0.284	0.906	20	M8270C	1/18/2017	1/19/2017	NJC	1
Fluoranthene	< 0.262	mg/kg	0.262	0.836	20	M8270C	1/18/2017	1/19/2017	NJC	1
Fluorene	< 0.27	mg/kg	0.27	0.862	20	M8270C	1/18/2017	1/19/2017	NJC	1
Indeno(1,2,3-cd)pyrene	< 0.3	mg/kg	0.3	0.952	20	M8270C	1/18/2017	1/19/2017	NJC	1
1-Methyl naphthalene	9.00	mg/kg	0.286	0.912	20	M8270C	1/18/2017	1/19/2017	NJC	1
2-Methyl naphthalene	16.7	mg/kg	0.238	0.76	20	M8270C	1/18/2017	1/19/2017	NJC	1
Naphthalene	15.9	mg/kg	0.244	0.774	20	M8270C	1/18/2017	1/19/2017	NJC	1
Phenanthrene	< 0.218	mg/kg	0.218	0.694	20	M8270C	1/18/2017	1/19/2017	NJC	1
Pyrene	< 0.252	mg/kg	0.252	0.802	20	M8270C	1/18/2017	1/19/2017	NJC	1
VOC's										
Benzene	50	mg/kg	1.6	4.9	100	8260B		1/19/2017	CJR	1
Bromobenzene	< 3.9	mg/kg	3.9	12	100	8260B		1/19/2017	CJR	1
Bromodichloromethane	< 1.5	mg/kg	1.5	4.8	100	8260B		1/19/2017	CJR	1
Bromoform	< 2.3	mg/kg	2.3	7.3	100	8260B		1/19/2017	CJR	1
tert-Butylbenzene	< 3.5	mg/kg	3.5	11	100	8260B		1/19/2017	CJR	1
sec-Butylbenzene	10.2 "J"	mg/kg	3.6	11	100	8260B		1/19/2017	CJR	1
n-Butylbenzene	46	mg/kg	8.6	27	100	8260B		1/19/2017	CJR	1
Carbon Tetrachloride	< 2.1	mg/kg	2.1	6.7	100	8260B		1/19/2017	CJR	1
Chlorobenzene	< 3.9	mg/kg	3.9	12	100	8260B		1/19/2017	CJR	1
Chloroethane	< 4.5	mg/kg	4.5	14	100	8260B		1/19/2017	CJR	1
Chloroform	< 2.6	mg/kg	2.6	8.1	100	8260B		1/19/2017	CJR	1
Chloromethane	< 25	mg/kg	25	78	100	8260B		1/19/2017	CJR	1
2-Chlorotoluene	< 2.9	mg/kg	2.9	9.3	100	8260B		1/19/2017	CJR	1
4-Chlorotoluene	< 3.2	mg/kg	3.2	10	100	8260B		1/19/2017	CJR	1
1,2-Dibromo-3-chloropropane	< 7.8	mg/kg	7.8	25	100	8260B		1/19/2017	CJR	1
Dibromochloromethane	< 3.1	mg/kg	3.1	9.8	100	8260B		1/19/2017	CJR	1
1,4-Dichlorobenzene	< 3	mg/kg	3	9.6	100	8260B		1/19/2017	CJR	1
1,3-Dichlorobenzene	< 3	mg/kg	3	9.7	100	8260B		1/19/2017	CJR	1
1,2-Dichlorobenzene	< 3.9	mg/kg	3.9	12	100	8260B		1/19/2017	CJR	1
Dichlorodifluoromethane	< 4.3	mg/kg	4.3	14	100	8260B		1/19/2017	CJR	1
1,2-Dichloroethane	< 3	mg/kg	3	9.6	100	8260B		1/19/2017	CJR	1
1,1-Dichloroethane	< 2.5	mg/kg	2.5	7.9	100	8260B		1/19/2017	CJR	1
1,1-Dichloroethene	< 2.9	mg/kg	2.9	9.3	100	8260B		1/19/2017	CJR	1
cis-1,2-Dichloroethene	< 2.1	mg/kg	2.1	6.8	100	8260B		1/19/2017	CJR	1

Project Name PIZZA PLACE RESTAURANT **Invoice #** E32340
Project #

Lab Code 5032340B
Sample ID G-2-1
Sample Matrix Soil
Sample Date 1/9/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
trans-1,2-Dichloroethene	< 2.4	mg/kg	2.4	7.6	100	8260B		1/19/2017	CJR	1
1,2-Dichloropropane	< 2.5	mg/kg	2.5	7.8	100	8260B		1/19/2017	CJR	1
2,2-Dichloropropane	< 10	mg/kg	10	33	100	8260B		1/19/2017	CJR	1
1,3-Dichloropropane	< 3.1	mg/kg	3.1	9.7	100	8260B		1/19/2017	CJR	1
Di-isopropyl ether	< 1.2	mg/kg	1.2	4	100	8260B		1/19/2017	CJR	1
EDB (1,2-Dibromoethane)	< 3.5	mg/kg	3.5	11	100	8260B		1/19/2017	CJR	1
Ethylbenzene	164	mg/kg	2.7	8.6	100	8260B		1/19/2017	CJR	1
Hexachlorobutadiene	< 11	mg/kg	11	36	100	8260B		1/19/2017	CJR	1
Isopropylbenzene	21.1	mg/kg	3.7	12	100	8260B		1/19/2017	CJR	1
p-Isopropyltoluene	< 5.6	mg/kg	5.6	18	100	8260B		1/19/2017	CJR	1
Methylene chloride	< 22	mg/kg	22	70	100	8260B		1/19/2017	CJR	1
Methyl tert-butyl ether (MTBE)	< 2.5	mg/kg	2.5	7.8	100	8260B		1/19/2017	CJR	1
Naphthalene	49	mg/kg	8.7	28	100	8260B		1/19/2017	CJR	1
n-Propylbenzene	76	mg/kg	3.5	11	100	8260B		1/19/2017	CJR	1
1,1,2,2-Tetrachloroethane	< 1.3	mg/kg	1.3	4	100	8260B		1/19/2017	CJR	1
1,1,1,2-Tetrachloroethane	< 2.9	mg/kg	2.9	9.3	100	8260B		1/19/2017	CJR	1
Tetrachloroethene	< 5.4	mg/kg	5.4	17	100	8260B		1/19/2017	CJR	1
Toluene	540	mg/kg	3.1	9.9	100	8260B		1/19/2017	CJR	1
1,2,4-Trichlorobenzene	< 8.5	mg/kg	8.5	27	100	8260B		1/19/2017	CJR	1
1,2,3-Trichlorobenzene	< 12	mg/kg	12	38	100	8260B		1/19/2017	CJR	1
1,1,1-Trichloroethane	< 4	mg/kg	4	13	100	8260B		1/19/2017	CJR	1
1,1,2-Trichloroethane	< 3.3	mg/kg	3.3	11	100	8260B		1/19/2017	CJR	1
Trichloroethene (TCE)	< 4.2	mg/kg	4.2	13	100	8260B		1/19/2017	CJR	1
Trichlorofluoromethane	< 6	mg/kg	6	19	100	8260B		1/19/2017	CJR	1
1,2,4-Trimethylbenzene	350	mg/kg	7.8	25	100	8260B		1/19/2017	CJR	1
1,3,5-Trimethylbenzene	96	mg/kg	8.9	28	100	8260B		1/19/2017	CJR	1
Vinyl Chloride	< 1	mg/kg	1	3.1	100	8260B		1/19/2017	CJR	1
m&p-Xylene	570	mg/kg	7	22	100	8260B		1/19/2017	CJR	1
o-Xylene	226	mg/kg	2.9	9.2	100	8260B		1/19/2017	CJR	1
SUR - Dibromofluoromethane	99	Rec %			100	8260B		1/19/2017	CJR	1
SUR - 4-Bromofluorobenzene	112	Rec %			100	8260B		1/19/2017	CJR	1
SUR - 1,2-Dichloroethane-d4	101	Rec %			100	8260B		1/19/2017	CJR	1
SUR - Toluene-d8	102	Rec %			100	8260B		1/19/2017	CJR	1

Project Name PIZZA PLACE RESTAURANT **Invoice #** E32340
Project #

Lab Code 5032340C
Sample ID G-2-3
Sample Matrix Soil
Sample Date 1/9/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	82.4	%			1	5021		1/13/2017	TCC	1
Organic										
PVOC + Naphthalene										
Benzene	0.41	mg/kg	0.014	0.046	1	GRO95/8021		1/16/2017	TCC	1
Ethylbenzene	0.42	mg/kg	0.014	0.045	1	GRO95/8021		1/16/2017	TCC	1
Methyl tert-butyl ether (MTBE)	< 0.025	mg/kg	0.013	0.041	1	GRO95/8021		1/16/2017	TCC	1
Naphthalene	0.138	mg/kg	0.0094	0.03	1	GRO95/8021		1/16/2017	TCC	1
Toluene	1.45	mg/kg	0.015	0.048	1	GRO95/8021		1/16/2017	TCC	1
1,2,4-Trimethylbenzene	1.05	mg/kg	0.011	0.036	1	GRO95/8021		1/16/2017	TCC	1
1,3,5-Trimethylbenzene	0.32	mg/kg	0.012	0.038	1	GRO95/8021		1/16/2017	TCC	1
m&p-Xylene	1.54	mg/kg	0.023	0.074	1	GRO95/8021		1/16/2017	TCC	1
o-Xylene	0.66	mg/kg	0.024	0.078	1	GRO95/8021		1/16/2017	TCC	1

Lab Code 5032340D
Sample ID G-2-5
Sample Matrix Soil
Sample Date 1/9/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	97.4	%			1	5021		1/13/2017	TCC	1
Organic										
PVOC + Naphthalene										
Benzene	< 0.025	mg/kg	0.014	0.046	1	GRO95/8021		1/18/2017	TCC	1
Ethylbenzene	< 0.025	mg/kg	0.014	0.045	1	GRO95/8021		1/18/2017	TCC	1
Methyl tert-butyl ether (MTBE)	< 0.025	mg/kg	0.013	0.041	1	GRO95/8021		1/18/2017	TCC	1
Naphthalene	< 0.025	mg/kg	0.0094	0.03	1	GRO95/8021		1/18/2017	TCC	1
Toluene	0.032 "J"	mg/kg	0.015	0.048	1	GRO95/8021		1/18/2017	TCC	1
1,2,4-Trimethylbenzene	0.073	mg/kg	0.011	0.036	1	GRO95/8021		1/18/2017	TCC	1
1,3,5-Trimethylbenzene	< 0.025	mg/kg	0.012	0.038	1	GRO95/8021		1/18/2017	TCC	1
m&p-Xylene	0.059 "J"	mg/kg	0.023	0.074	1	GRO95/8021		1/18/2017	TCC	1
o-Xylene	0.0313 "J"	mg/kg	0.024	0.078	1	GRO95/8021		1/18/2017	TCC	1

Project Name PIZZA PLACE RESTAURANT **Invoice #** E32340
Project #

Lab Code 5032340E
Sample ID G-2-8
Sample Matrix Soil
Sample Date 1/9/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	91.8	%			1	5021		1/13/2017	TCC	1
Organic										
PVOC + Naphthalene										
Benzene	1.11	mg/kg	0.14	0.46	10	GRO95/8021		1/17/2017	TCC	1
Ethylbenzene	17.5	mg/kg	0.14	0.45	10	GRO95/8021		1/17/2017	TCC	1
Methyl tert-butyl ether (MTBE)	< 0.25	mg/kg	0.13	0.41	10	GRO95/8021		1/17/2017	TCC	1
Naphthalene	6.4	mg/kg	0.094	0.3	10	GRO95/8021		1/17/2017	TCC	1
Toluene	29.5	mg/kg	0.15	0.48	10	GRO95/8021		1/17/2017	TCC	1
1,2,4-Trimethylbenzene	44	mg/kg	0.11	0.36	10	GRO95/8021		1/17/2017	TCC	1
1,3,5-Trimethylbenzene	14.3	mg/kg	0.12	0.38	10	GRO95/8021		1/17/2017	TCC	1
m&p-Xylene	77	mg/kg	0.23	0.74	10	GRO95/8021		1/17/2017	TCC	1
o-Xylene	29.9	mg/kg	0.24	0.78	10	GRO95/8021		1/17/2017	TCC	1

Lab Code 5032340F
Sample ID G-2-10
Sample Matrix Soil
Sample Date 1/9/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	92.2	%			1	5021		1/13/2017	TCC	1
Organic										
PVOC + Naphthalene										
Benzene	0.094	mg/kg	0.014	0.046	1	GRO95/8021		1/16/2017	TCC	1
Ethylbenzene	0.183	mg/kg	0.014	0.045	1	GRO95/8021		1/16/2017	TCC	1
Methyl tert-butyl ether (MTBE)	< 0.025	mg/kg	0.013	0.041	1	GRO95/8021		1/16/2017	TCC	1
Naphthalene	0.092	mg/kg	0.0094	0.03	1	GRO95/8021		1/16/2017	TCC	1
Toluene	1.08	mg/kg	0.015	0.048	1	GRO95/8021		1/16/2017	TCC	1
1,2,4-Trimethylbenzene	0.40	mg/kg	0.011	0.036	1	GRO95/8021		1/16/2017	TCC	1
1,3,5-Trimethylbenzene	0.111	mg/kg	0.012	0.038	1	GRO95/8021		1/16/2017	TCC	1
m&p-Xylene	1.01	mg/kg	0.023	0.074	1	GRO95/8021		1/16/2017	TCC	1
o-Xylene	0.50	mg/kg	0.024	0.078	1	GRO95/8021		1/16/2017	TCC	1

Project Name PIZZA PLACE RESTAURANT **Invoice #** E32340
Project #

Lab Code 5032340G
Sample ID G-2-13
Sample Matrix Soil
Sample Date 1/9/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	90.4	%			1	5021		1/13/2017	TCC	1
Organic										
PVOC + Naphthalene										
Benzene	0.234	mg/kg	0.014	0.046	1	GRO95/8021		1/17/2017	TCC	1
Ethylbenzene	0.253	mg/kg	0.014	0.045	1	GRO95/8021		1/17/2017	TCC	1
Methyl tert-butyl ether (MTBE)	< 0.025	mg/kg	0.013	0.041	1	GRO95/8021		1/17/2017	TCC	1
Naphthalene	0.066	mg/kg	0.0094	0.03	1	GRO95/8021		1/17/2017	TCC	1
Toluene	1.24	mg/kg	0.015	0.048	1	GRO95/8021		1/17/2017	TCC	1
1,2,4-Trimethylbenzene	0.289	mg/kg	0.011	0.036	1	GRO95/8021		1/17/2017	TCC	1
1,3,5-Trimethylbenzene	0.078	mg/kg	0.012	0.038	1	GRO95/8021		1/17/2017	TCC	1
m&p-Xylene	0.92	mg/kg	0.023	0.074	1	GRO95/8021		1/17/2017	TCC	1
o-Xylene	0.48	mg/kg	0.024	0.078	1	GRO95/8021		1/17/2017	TCC	1

Project Name PIZZA PLACE RESTAURANT **Invoice #** E32340
Project #

Lab Code 5032340H
Sample ID G-3-1
Sample Matrix Soil
Sample Date 1/9/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	86.9	%			1	5021		1/13/2017	TCC	1
Inorganic										
Metals										
Lead, Total	4.67	mg/Kg	0.17	0.58	1	6010B		1/20/2017	CWT	1
Organic										
PAH SIM										
Acenaphthene	< 0.0135	mg/kg	0.0135	0.043	1	M8270C	1/18/2017	1/18/2017	NJC	1
Acenaphthylene	< 0.012	mg/kg	0.012	0.0381	1	M8270C	1/18/2017	1/18/2017	NJC	1
Anthracene	< 0.0124	mg/kg	0.0124	0.0395	1	M8270C	1/18/2017	1/18/2017	NJC	1
Benzo(a)anthracene	< 0.0116	mg/kg	0.0116	0.037	1	M8270C	1/18/2017	1/18/2017	NJC	1
Benzo(a)pyrene	< 0.0113	mg/kg	0.0113	0.0359	1	M8270C	1/18/2017	1/18/2017	NJC	1
Benzo(b)fluoranthene	< 0.013	mg/kg	0.013	0.0414	1	M8270C	1/18/2017	1/18/2017	NJC	1
Benzo(g,h,i)perylene	< 0.0114	mg/kg	0.0114	0.0363	1	M8270C	1/18/2017	1/18/2017	NJC	1
Benzo(k)fluoranthene	< 0.0117	mg/kg	0.0117	0.0371	1	M8270C	1/18/2017	1/18/2017	NJC	1
Chrysene	< 0.0138	mg/kg	0.0138	0.0439	1	M8270C	1/18/2017	1/18/2017	NJC	1
Dibenzo(a,h)anthracene	< 0.0142	mg/kg	0.0142	0.0453	1	M8270C	1/18/2017	1/18/2017	NJC	1
Fluoranthene	< 0.0131	mg/kg	0.0131	0.0418	1	M8270C	1/18/2017	1/18/2017	NJC	1
Fluorene	< 0.0135	mg/kg	0.0135	0.0431	1	M8270C	1/18/2017	1/18/2017	NJC	1
Indeno(1,2,3-cd)pyrene	< 0.015	mg/kg	0.015	0.0476	1	M8270C	1/18/2017	1/18/2017	NJC	1
1-Methyl naphthalene	< 0.0143	mg/kg	0.0143	0.0456	1	M8270C	1/18/2017	1/18/2017	NJC	1
2-Methyl naphthalene	< 0.0119	mg/kg	0.0119	0.038	1	M8270C	1/18/2017	1/18/2017	NJC	1
Naphthalene	< 0.0122	mg/kg	0.0122	0.0387	1	M8270C	1/18/2017	1/18/2017	NJC	1
Phenanthrene	< 0.0109	mg/kg	0.0109	0.0347	1	M8270C	1/18/2017	1/18/2017	NJC	1
Pyrene	< 0.0126	mg/kg	0.0126	0.0401	1	M8270C	1/18/2017	1/18/2017	NJC	1
PVOC										
Benzene	< 0.025	mg/kg	0.014	0.046	1	GRO95/8021		1/17/2017	TCC	1
Ethylbenzene	< 0.025	mg/kg	0.014	0.045	1	GRO95/8021		1/17/2017	TCC	1
Methyl tert-butyl ether (MTBE)	< 0.025	mg/kg	0.013	0.041	1	GRO95/8021		1/17/2017	TCC	1
Toluene	< 0.025	mg/kg	0.015	0.048	1	GRO95/8021		1/17/2017	TCC	1
1,2,4-Trimethylbenzene	< 0.025	mg/kg	0.011	0.036	1	GRO95/8021		1/17/2017	TCC	1
1,3,5-Trimethylbenzene	< 0.025	mg/kg	0.012	0.038	1	GRO95/8021		1/17/2017	TCC	1
m&p-Xylene	< 0.05	mg/kg	0.023	0.074	1	GRO95/8021		1/17/2017	TCC	1
o-Xylene	< 0.025	mg/kg	0.024	0.078	1	GRO95/8021		1/17/2017	TCC	1

Project Name PIZZA PLACE RESTAURANT **Invoice #** E32340
Project #

Lab Code 5032340I
Sample ID G-3-3
Sample Matrix Soil
Sample Date 1/9/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	86.1	%			1	5021		1/13/2017	TCC	1
Organic										
PVOC + Naphthalene										
Benzene	< 0.025	mg/kg	0.014	0.046	1	GRO95/8021		1/17/2017	TCC	1
Ethylbenzene	< 0.025	mg/kg	0.014	0.045	1	GRO95/8021		1/17/2017	TCC	1
Methyl tert-butyl ether (MTBE)	< 0.025	mg/kg	0.013	0.041	1	GRO95/8021		1/17/2017	TCC	1
Naphthalene	< 0.025	mg/kg	0.0094	0.03	1	GRO95/8021		1/17/2017	TCC	1
Toluene	< 0.025	mg/kg	0.015	0.048	1	GRO95/8021		1/17/2017	TCC	1
1,2,4-Trimethylbenzene	< 0.025	mg/kg	0.011	0.036	1	GRO95/8021		1/17/2017	TCC	1
1,3,5-Trimethylbenzene	< 0.025	mg/kg	0.012	0.038	1	GRO95/8021		1/17/2017	TCC	1
m&p-Xylene	< 0.05	mg/kg	0.023	0.074	1	GRO95/8021		1/17/2017	TCC	1
o-Xylene	< 0.025	mg/kg	0.024	0.078	1	GRO95/8021		1/17/2017	TCC	1

Lab Code 5032340J
Sample ID G-3-5
Sample Matrix Soil
Sample Date 1/9/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	88.4	%			1	5021		1/13/2017	TCC	1
Organic										
PVOC + Naphthalene										
Benzene	< 0.025	mg/kg	0.014	0.046	1	GRO95/8021		1/17/2017	TCC	1
Ethylbenzene	< 0.025	mg/kg	0.014	0.045	1	GRO95/8021		1/17/2017	TCC	1
Methyl tert-butyl ether (MTBE)	< 0.025	mg/kg	0.013	0.041	1	GRO95/8021		1/17/2017	TCC	1
Naphthalene	< 0.025	mg/kg	0.0094	0.03	1	GRO95/8021		1/17/2017	TCC	1
Toluene	< 0.025	mg/kg	0.015	0.048	1	GRO95/8021		1/17/2017	TCC	1
1,2,4-Trimethylbenzene	< 0.025	mg/kg	0.011	0.036	1	GRO95/8021		1/17/2017	TCC	1
1,3,5-Trimethylbenzene	< 0.025	mg/kg	0.012	0.038	1	GRO95/8021		1/17/2017	TCC	1
m&p-Xylene	< 0.05	mg/kg	0.023	0.074	1	GRO95/8021		1/17/2017	TCC	1
o-Xylene	< 0.025	mg/kg	0.024	0.078	1	GRO95/8021		1/17/2017	TCC	1

Project Name PIZZA PLACE RESTAURANT **Invoice #** E32340
Project #

Lab Code 5032340K
Sample ID G-3-8
Sample Matrix Soil
Sample Date 1/9/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	92.5	%			1	5021		1/13/2017	TCC	1
Organic										
PVOC + Naphthalene										
Benzene	< 0.025	mg/kg	0.014	0.046	1	GRO95/8021		1/17/2017	TCC	1
Ethylbenzene	< 0.025	mg/kg	0.014	0.045	1	GRO95/8021		1/17/2017	TCC	1
Methyl tert-butyl ether (MTBE)	< 0.025	mg/kg	0.013	0.041	1	GRO95/8021		1/17/2017	TCC	1
Naphthalene	< 0.025	mg/kg	0.0094	0.03	1	GRO95/8021		1/17/2017	TCC	1
Toluene	< 0.025	mg/kg	0.015	0.048	1	GRO95/8021		1/17/2017	TCC	1
1,2,4-Trimethylbenzene	< 0.025	mg/kg	0.011	0.036	1	GRO95/8021		1/17/2017	TCC	1
1,3,5-Trimethylbenzene	< 0.025	mg/kg	0.012	0.038	1	GRO95/8021		1/17/2017	TCC	1
m&p-Xylene	< 0.05	mg/kg	0.023	0.074	1	GRO95/8021		1/17/2017	TCC	1
o-Xylene	< 0.025	mg/kg	0.024	0.078	1	GRO95/8021		1/17/2017	TCC	1

Lab Code 5032340L
Sample ID G-3-10
Sample Matrix Soil
Sample Date 1/9/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	92.2	%			1	5021		1/13/2017	TCC	1
Organic										
PVOC + Naphthalene										
Benzene	< 0.025	mg/kg	0.014	0.046	1	GRO95/8021		1/17/2017	TCC	1
Ethylbenzene	< 0.025	mg/kg	0.014	0.045	1	GRO95/8021		1/17/2017	TCC	1
Methyl tert-butyl ether (MTBE)	< 0.025	mg/kg	0.013	0.041	1	GRO95/8021		1/17/2017	TCC	1
Naphthalene	< 0.025	mg/kg	0.0094	0.03	1	GRO95/8021		1/17/2017	TCC	1
Toluene	< 0.025	mg/kg	0.015	0.048	1	GRO95/8021		1/17/2017	TCC	1
1,2,4-Trimethylbenzene	< 0.025	mg/kg	0.011	0.036	1	GRO95/8021		1/17/2017	TCC	1
1,3,5-Trimethylbenzene	< 0.025	mg/kg	0.012	0.038	1	GRO95/8021		1/17/2017	TCC	1
m&p-Xylene	< 0.05	mg/kg	0.023	0.074	1	GRO95/8021		1/17/2017	TCC	1
o-Xylene	< 0.025	mg/kg	0.024	0.078	1	GRO95/8021		1/17/2017	TCC	1

Project Name PIZZA PLACE RESTAURANT **Invoice #** E32340
Project #

Lab Code 5032340M
Sample ID G-3-13
Sample Matrix Soil
Sample Date 1/9/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	89.8	%			1	5021		1/13/2017	TCC	1
Organic										
PVOC + Naphthalene										
Benzene	0.11	mg/kg	0.014	0.046	1	GRO95/8021		1/17/2017	TCC	1
Ethylbenzene	< 0.025	mg/kg	0.014	0.045	1	GRO95/8021		1/17/2017	TCC	1
Methyl tert-butyl ether (MTBE)	< 0.025	mg/kg	0.013	0.041	1	GRO95/8021		1/17/2017	TCC	1
Naphthalene	< 0.025	mg/kg	0.0094	0.03	1	GRO95/8021		1/17/2017	TCC	1
Toluene	0.105	mg/kg	0.015	0.048	1	GRO95/8021		1/17/2017	TCC	1
1,2,4-Trimethylbenzene	< 0.025	mg/kg	0.011	0.036	1	GRO95/8021		1/17/2017	TCC	1
1,3,5-Trimethylbenzene	< 0.025	mg/kg	0.012	0.038	1	GRO95/8021		1/17/2017	TCC	1
m&p-Xylene	< 0.05	mg/kg	0.023	0.074	1	GRO95/8021		1/17/2017	TCC	1
o-Xylene	0.086	mg/kg	0.024	0.078	1	GRO95/8021		1/17/2017	TCC	1

Lab Code 5032340N
Sample ID G-3-15
Sample Matrix Soil
Sample Date 1/9/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	90.8	%			1	5021		1/13/2017	TCC	1
Organic										
PVOC + Naphthalene										
Benzene	0.146	mg/kg	0.014	0.046	1	GRO95/8021		1/17/2017	TCC	1
Ethylbenzene	0.053	mg/kg	0.014	0.045	1	GRO95/8021		1/17/2017	TCC	1
Methyl tert-butyl ether (MTBE)	< 0.025	mg/kg	0.013	0.041	1	GRO95/8021		1/17/2017	TCC	1
Naphthalene	< 0.025	mg/kg	0.0094	0.03	1	GRO95/8021		1/17/2017	TCC	1
Toluene	0.055	mg/kg	0.015	0.048	1	GRO95/8021		1/17/2017	TCC	1
1,2,4-Trimethylbenzene	< 0.025	mg/kg	0.011	0.036	1	GRO95/8021		1/17/2017	TCC	1
1,3,5-Trimethylbenzene	< 0.025	mg/kg	0.012	0.038	1	GRO95/8021		1/17/2017	TCC	1
m&p-Xylene	0.055 "J"	mg/kg	0.023	0.074	1	GRO95/8021		1/17/2017	TCC	1
o-Xylene	0.042 "J"	mg/kg	0.024	0.078	1	GRO95/8021		1/17/2017	TCC	1

Project Name PIZZA PLACE RESTAURANT **Invoice #** E32340
Project #

Lab Code 5032340O
Sample ID G-4-15
Sample Matrix Soil
Sample Date 1/9/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	90.2	%			1	5021		1/13/2017	TCC	1
Organic										
PVOC + Naphthalene										
Benzene	< 0.025	mg/kg	0.014	0.046	1	GRO95/8021		1/17/2017	TCC	1
Ethylbenzene	< 0.025	mg/kg	0.014	0.045	1	GRO95/8021		1/17/2017	TCC	1
Methyl tert-butyl ether (MTBE)	< 0.025	mg/kg	0.013	0.041	1	GRO95/8021		1/17/2017	TCC	1
Naphthalene	< 0.025	mg/kg	0.0094	0.03	1	GRO95/8021		1/17/2017	TCC	1
Toluene	< 0.025	mg/kg	0.015	0.048	1	GRO95/8021		1/17/2017	TCC	1
1,2,4-Trimethylbenzene	< 0.025	mg/kg	0.011	0.036	1	GRO95/8021		1/17/2017	TCC	1
1,3,5-Trimethylbenzene	< 0.025	mg/kg	0.012	0.038	1	GRO95/8021		1/17/2017	TCC	1
m&p-Xylene	< 0.05	mg/kg	0.023	0.074	1	GRO95/8021		1/17/2017	TCC	1
o-Xylene	< 0.025	mg/kg	0.024	0.078	1	GRO95/8021		1/17/2017	TCC	1

Project Name PIZZA PLACE RESTAURANT **Invoice #** E32340
Project #

Lab Code 5032340P
Sample ID G-5-1
Sample Matrix Soil
Sample Date 1/9/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	92.6	%			1	5021		1/13/2017	TCC	1
Inorganic										
Metals										
Lead, Total	2.08	mg/Kg	0.17	0.58	1	6010B		1/20/2017	CWT	1
Organic										
PAH SIM										
Acenaphthene	< 0.0135	mg/kg	0.0135	0.043	1	M8270C	1/18/2017	1/18/2017	NJC	1
Acenaphthylene	< 0.012	mg/kg	0.012	0.0381	1	M8270C	1/18/2017	1/18/2017	NJC	1
Anthracene	< 0.0124	mg/kg	0.0124	0.0395	1	M8270C	1/18/2017	1/18/2017	NJC	1
Benzo(a)anthracene	< 0.0116	mg/kg	0.0116	0.037	1	M8270C	1/18/2017	1/18/2017	NJC	1
Benzo(a)pyrene	< 0.0113	mg/kg	0.0113	0.0359	1	M8270C	1/18/2017	1/18/2017	NJC	1
Benzo(b)fluoranthene	< 0.013	mg/kg	0.013	0.0414	1	M8270C	1/18/2017	1/18/2017	NJC	1
Benzo(g,h,i)perylene	< 0.0114	mg/kg	0.0114	0.0363	1	M8270C	1/18/2017	1/18/2017	NJC	1
Benzo(k)fluoranthene	< 0.0117	mg/kg	0.0117	0.0371	1	M8270C	1/18/2017	1/18/2017	NJC	1
Chrysene	< 0.0138	mg/kg	0.0138	0.0439	1	M8270C	1/18/2017	1/18/2017	NJC	1
Dibenzo(a,h)anthracene	< 0.0142	mg/kg	0.0142	0.0453	1	M8270C	1/18/2017	1/18/2017	NJC	1
Fluoranthene	< 0.0131	mg/kg	0.0131	0.0418	1	M8270C	1/18/2017	1/18/2017	NJC	1
Fluorene	< 0.0135	mg/kg	0.0135	0.0431	1	M8270C	1/18/2017	1/18/2017	NJC	1
Indeno(1,2,3-cd)pyrene	< 0.015	mg/kg	0.015	0.0476	1	M8270C	1/18/2017	1/18/2017	NJC	1
1-Methyl naphthalene	< 0.0143	mg/kg	0.0143	0.0456	1	M8270C	1/18/2017	1/18/2017	NJC	1
2-Methyl naphthalene	< 0.0119	mg/kg	0.0119	0.038	1	M8270C	1/18/2017	1/18/2017	NJC	1
Naphthalene	< 0.0122	mg/kg	0.0122	0.0387	1	M8270C	1/18/2017	1/18/2017	NJC	1
Phenanthrene	< 0.0109	mg/kg	0.0109	0.0347	1	M8270C	1/18/2017	1/18/2017	NJC	1
Pyrene	< 0.0126	mg/kg	0.0126	0.0401	1	M8270C	1/18/2017	1/18/2017	NJC	1
PVOC										
Benzene	< 0.025	mg/kg	0.014	0.046	1	GRO95/8021		1/17/2017	TCC	1
Ethylbenzene	< 0.025	mg/kg	0.014	0.045	1	GRO95/8021		1/17/2017	TCC	1
Methyl tert-butyl ether (MTBE)	< 0.025	mg/kg	0.013	0.041	1	GRO95/8021		1/17/2017	TCC	1
Toluene	< 0.025	mg/kg	0.015	0.048	1	GRO95/8021		1/17/2017	TCC	1
1,2,4-Trimethylbenzene	< 0.025	mg/kg	0.011	0.036	1	GRO95/8021		1/17/2017	TCC	1
1,3,5-Trimethylbenzene	< 0.025	mg/kg	0.012	0.038	1	GRO95/8021		1/17/2017	TCC	1
m&p-Xylene	< 0.05	mg/kg	0.023	0.074	1	GRO95/8021		1/17/2017	TCC	1
o-Xylene	< 0.025	mg/kg	0.024	0.078	1	GRO95/8021		1/17/2017	TCC	1

Project Name PIZZA PLACE RESTAURANT **Invoice #** E32340
Project #

Lab Code 5032340Q
Sample ID G-5-3
Sample Matrix Soil
Sample Date 1/9/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	96.0	%			1	5021		1/13/2017	TCC	1
Organic										
PVOC + Naphthalene										
Benzene	0.061	mg/kg	0.014	0.046	1	GRO95/8021		1/17/2017	TCC	1
Ethylbenzene	< 0.025	mg/kg	0.014	0.045	1	GRO95/8021		1/17/2017	TCC	1
Methyl tert-butyl ether (MTBE)	< 0.025	mg/kg	0.013	0.041	1	GRO95/8021		1/17/2017	TCC	1
Naphthalene	< 0.025	mg/kg	0.0094	0.03	1	GRO95/8021		1/17/2017	TCC	1
Toluene	< 0.025	mg/kg	0.015	0.048	1	GRO95/8021		1/17/2017	TCC	1
1,2,4-Trimethylbenzene	< 0.025	mg/kg	0.011	0.036	1	GRO95/8021		1/17/2017	TCC	1
1,3,5-Trimethylbenzene	< 0.025	mg/kg	0.012	0.038	1	GRO95/8021		1/17/2017	TCC	1
m&p-Xylene	< 0.05	mg/kg	0.023	0.074	1	GRO95/8021		1/17/2017	TCC	1
o-Xylene	0.0283 "J"	mg/kg	0.024	0.078	1	GRO95/8021		1/17/2017	TCC	1

Lab Code 5032340R
Sample ID G-5-5
Sample Matrix Soil
Sample Date 1/9/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	96.6	%			1	5021		1/13/2017	TCC	1
Organic										
PVOC + Naphthalene										
Benzene	< 0.025	mg/kg	0.014	0.046	1	GRO95/8021		1/17/2017	TCC	1
Ethylbenzene	< 0.025	mg/kg	0.014	0.045	1	GRO95/8021		1/17/2017	TCC	1
Methyl tert-butyl ether (MTBE)	< 0.025	mg/kg	0.013	0.041	1	GRO95/8021		1/17/2017	TCC	1
Naphthalene	< 0.025	mg/kg	0.0094	0.03	1	GRO95/8021		1/17/2017	TCC	1
Toluene	< 0.025	mg/kg	0.015	0.048	1	GRO95/8021		1/17/2017	TCC	1
1,2,4-Trimethylbenzene	< 0.025	mg/kg	0.011	0.036	1	GRO95/8021		1/17/2017	TCC	1
1,3,5-Trimethylbenzene	< 0.025	mg/kg	0.012	0.038	1	GRO95/8021		1/17/2017	TCC	1
m&p-Xylene	< 0.05	mg/kg	0.023	0.074	1	GRO95/8021		1/17/2017	TCC	1
o-Xylene	< 0.025	mg/kg	0.024	0.078	1	GRO95/8021		1/17/2017	TCC	1

Project Name PIZZA PLACE RESTAURANT **Invoice #** E32340
Project #

Lab Code 5032340S
Sample ID G-5-8
Sample Matrix Soil
Sample Date 1/9/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	85.6	%			1	5021		1/13/2017	TCC	1
Organic										
PVOC + Naphthalene										
Benzene	< 0.025	mg/kg	0.014	0.046	1	GRO95/8021		1/17/2017	TCC	1
Ethylbenzene	< 0.025	mg/kg	0.014	0.045	1	GRO95/8021		1/17/2017	TCC	1
Methyl tert-butyl ether (MTBE)	< 0.025	mg/kg	0.013	0.041	1	GRO95/8021		1/17/2017	TCC	1
Naphthalene	< 0.025	mg/kg	0.0094	0.03	1	GRO95/8021		1/17/2017	TCC	1
Toluene	< 0.025	mg/kg	0.015	0.048	1	GRO95/8021		1/17/2017	TCC	1
1,2,4-Trimethylbenzene	< 0.025	mg/kg	0.011	0.036	1	GRO95/8021		1/17/2017	TCC	1
1,3,5-Trimethylbenzene	< 0.025	mg/kg	0.012	0.038	1	GRO95/8021		1/17/2017	TCC	1
m&p-Xylene	< 0.05	mg/kg	0.023	0.074	1	GRO95/8021		1/17/2017	TCC	1
o-Xylene	< 0.025	mg/kg	0.024	0.078	1	GRO95/8021		1/17/2017	TCC	1

Lab Code 5032340T
Sample ID G-5-10
Sample Matrix Soil
Sample Date 1/9/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	91.9	%			1	5021		1/13/2017	TCC	1
Organic										
PVOC + Naphthalene										
Benzene	< 0.025	mg/kg	0.014	0.046	1	GRO95/8021		1/17/2017	TCC	1
Ethylbenzene	< 0.025	mg/kg	0.014	0.045	1	GRO95/8021		1/17/2017	TCC	1
Methyl tert-butyl ether (MTBE)	< 0.025	mg/kg	0.013	0.041	1	GRO95/8021		1/17/2017	TCC	1
Naphthalene	< 0.025	mg/kg	0.0094	0.03	1	GRO95/8021		1/17/2017	TCC	1
Toluene	< 0.025	mg/kg	0.015	0.048	1	GRO95/8021		1/17/2017	TCC	1
1,2,4-Trimethylbenzene	< 0.025	mg/kg	0.011	0.036	1	GRO95/8021		1/17/2017	TCC	1
1,3,5-Trimethylbenzene	< 0.025	mg/kg	0.012	0.038	1	GRO95/8021		1/17/2017	TCC	1
m&p-Xylene	< 0.05	mg/kg	0.023	0.074	1	GRO95/8021		1/17/2017	TCC	1
o-Xylene	< 0.025	mg/kg	0.024	0.078	1	GRO95/8021		1/17/2017	TCC	1

Project Name PIZZA PLACE RESTAURANT **Invoice #** E32340
Project #

Lab Code 5032340U
Sample ID G-6-I
Sample Matrix Soil
Sample Date 1/9/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	90.0	%			1	5021		1/13/2017	TCC	I
Inorganic										
Metals										
Lead, Total	5.53	mg/Kg	0.17	0.58	1	6010B		1/20/2017	CWT	I
Organic										
PAH SIM										
Acenaphthene	< 0.0135	mg/kg	0.0135	0.043	1	M8270C	1/18/2017	1/18/2017	NJC	I
Acenaphthylene	< 0.012	mg/kg	0.012	0.0381	1	M8270C	1/18/2017	1/18/2017	NJC	I
Anthracene	< 0.0124	mg/kg	0.0124	0.0395	1	M8270C	1/18/2017	1/18/2017	NJC	I
Benzo(a)anthracene	< 0.0116	mg/kg	0.0116	0.037	1	M8270C	1/18/2017	1/18/2017	NJC	I
Benzo(a)pyrene	< 0.0113	mg/kg	0.0113	0.0359	1	M8270C	1/18/2017	1/18/2017	NJC	I
Benzo(b)fluoranthene	< 0.013	mg/kg	0.013	0.0414	1	M8270C	1/18/2017	1/18/2017	NJC	I
Benzo(g,h,i)perylene	< 0.0114	mg/kg	0.0114	0.0363	1	M8270C	1/18/2017	1/18/2017	NJC	I
Benzo(k)fluoranthene	< 0.0117	mg/kg	0.0117	0.0371	1	M8270C	1/18/2017	1/18/2017	NJC	I
Chrysene	< 0.0138	mg/kg	0.0138	0.0439	1	M8270C	1/18/2017	1/18/2017	NJC	I
Dibenzo(a,h)anthracene	< 0.0142	mg/kg	0.0142	0.0453	1	M8270C	1/18/2017	1/18/2017	NJC	I
Fluoranthene	< 0.0131	mg/kg	0.0131	0.0418	1	M8270C	1/18/2017	1/18/2017	NJC	I
Fluorene	< 0.0135	mg/kg	0.0135	0.0431	1	M8270C	1/18/2017	1/18/2017	NJC	I
Indeno(1,2,3-cd)pyrene	< 0.015	mg/kg	0.015	0.0476	1	M8270C	1/18/2017	1/18/2017	NJC	I
1-Methyl naphthalene	0.209	mg/kg	0.0143	0.0456	1	M8270C	1/18/2017	1/18/2017	NJC	I
2-Methyl naphthalene	0.36	mg/kg	0.0119	0.038	1	M8270C	1/18/2017	1/18/2017	NJC	I
Naphthalene	0.271	mg/kg	0.0122	0.0387	1	M8270C	1/18/2017	1/18/2017	NJC	I
Phenanthrene	< 0.0109	mg/kg	0.0109	0.0347	1	M8270C	1/18/2017	1/18/2017	NJC	I
Pyrene	< 0.0126	mg/kg	0.0126	0.0401	1	M8270C	1/18/2017	1/18/2017	NJC	I
PVOC										
Benzene	2.22	mg/kg	0.38	1.2	20	GRO95/8021		1/19/2017	TCC	I
Ethylbenzene	10.8	mg/kg	0.2	0.64	20	GRO95/8021		1/19/2017	TCC	I
Methyl tert-butyl ether (MTBE)	< 0.5	mg/kg	0.158	0.5	20	GRO95/8021		1/19/2017	TCC	I
Toluene	1.43	mg/kg	0.28	0.92	20	GRO95/8021		1/19/2017	TCC	I
1,2,4-Trimethylbenzene	67	mg/kg	0.2	0.64	20	GRO95/8021		1/19/2017	TCC	I
1,3,5-Trimethylbenzene	19.5	mg/kg	0.22	0.72	20	GRO95/8021		1/19/2017	TCC	I
m&p-Xylene	44	mg/kg	0.24	0.74	20	GRO95/8021		1/19/2017	TCC	I
o-Xylene	14.8	mg/kg	0.3	0.94	20	GRO95/8021		1/19/2017	TCC	I

Project Name PIZZA PLACE RESTAURANT **Invoice #** E32340
Project #

Lab Code 5032340V
Sample ID G-6-3
Sample Matrix Soil
Sample Date 1/9/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	92.7	%			1	5021		1/13/2017	TCC	I
Organic										
PVOC + Naphthalene										
Benzene	3.6	mg/kg	0.014	0.046	1	GRO95/8021		1/18/2017	TCC	I
Ethylbenzene	3.14	mg/kg	0.014	0.045	1	GRO95/8021		1/18/2017	TCC	I
Methyl tert-butyl ether (MTBE)	< 0.025	mg/kg	0.013	0.041	1	GRO95/8021		1/18/2017	TCC	I
Naphthalene	2.56	mg/kg	0.0094	0.03	1	GRO95/8021		1/18/2017	TCC	I
Toluene	1.78	mg/kg	0.015	0.048	1	GRO95/8021		1/18/2017	TCC	I
1,2,4-Trimethylbenzene	26.7	mg/kg	0.011	0.036	1	GRO95/8021		1/18/2017	TCC	I
1,3,5-Trimethylbenzene	8.6	mg/kg	0.012	0.038	1	GRO95/8021		1/18/2017	TCC	I
m&p-Xylene	20.9	mg/kg	0.023	0.074	1	GRO95/8021		1/18/2017	TCC	I
o-Xylene	5.7	mg/kg	0.024	0.078	1	GRO95/8021		1/18/2017	TCC	I

Lab Code 5032340W
Sample ID G-6-5
Sample Matrix Soil
Sample Date 1/9/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	89.5	%			1	5021		1/13/2017	TCC	I
Organic										
PVOC + Naphthalene										
Benzene	< 0.025	mg/kg	0.014	0.046	1	GRO95/8021		1/17/2017	TCC	I
Ethylbenzene	< 0.025	mg/kg	0.014	0.045	1	GRO95/8021		1/17/2017	TCC	I
Methyl tert-butyl ether (MTBE)	< 0.025	mg/kg	0.013	0.041	1	GRO95/8021		1/17/2017	TCC	I
Naphthalene	< 0.025	mg/kg	0.0094	0.03	1	GRO95/8021		1/17/2017	TCC	I
Toluene	< 0.025	mg/kg	0.015	0.048	1	GRO95/8021		1/17/2017	TCC	I
1,2,4-Trimethylbenzene	< 0.025	mg/kg	0.011	0.036	1	GRO95/8021		1/17/2017	TCC	I
1,3,5-Trimethylbenzene	< 0.025	mg/kg	0.012	0.038	1	GRO95/8021		1/17/2017	TCC	I
m&p-Xylene	< 0.05	mg/kg	0.023	0.074	1	GRO95/8021		1/17/2017	TCC	I
o-Xylene	< 0.025	mg/kg	0.024	0.078	1	GRO95/8021		1/17/2017	TCC	I

Project Name PIZZA PLACE RESTAURANT **Invoice #** E32340
Project #

Lab Code 5032340X
Sample ID G-6-8
Sample Matrix Soil
Sample Date 1/9/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	91.6	%			1	5021		1/13/2017	TCC	1
Organic										
PVOC + Naphthalene										
Benzene	< 0.025	mg/kg	0.014	0.046	1	GRO95/8021		1/17/2017	TCC	1
Ethylbenzene	< 0.025	mg/kg	0.014	0.045	1	GRO95/8021		1/17/2017	TCC	1
Methyl tert-butyl ether (MTBE)	< 0.025	mg/kg	0.013	0.041	1	GRO95/8021		1/17/2017	TCC	1
Naphthalene	< 0.025	mg/kg	0.0094	0.03	1	GRO95/8021		1/17/2017	TCC	1
Toluene	< 0.025	mg/kg	0.015	0.048	1	GRO95/8021		1/17/2017	TCC	1
1,2,4-Trimethylbenzene	< 0.025	mg/kg	0.011	0.036	1	GRO95/8021		1/17/2017	TCC	1
1,3,5-Trimethylbenzene	< 0.025	mg/kg	0.012	0.038	1	GRO95/8021		1/17/2017	TCC	1
m&p-Xylene	< 0.05	mg/kg	0.023	0.074	1	GRO95/8021		1/17/2017	TCC	1
o-Xylene	< 0.025	mg/kg	0.024	0.078	1	GRO95/8021		1/17/2017	TCC	1

Lab Code 5032340Y
Sample ID G-6-10
Sample Matrix Soil
Sample Date 1/9/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	92.4	%			1	5021		1/13/2017	TCC	1
Organic										
PVOC + Naphthalene										
Benzene	< 0.025	mg/kg	0.019	0.06	1	GRO95/8021		1/18/2017	TCC	1
Ethylbenzene	< 0.025	mg/kg	0.01	0.032	1	GRO95/8021		1/18/2017	TCC	1
Methyl tert-butyl ether (MTBE)	< 0.025	mg/kg	0.0079	0.025	1	GRO95/8021		1/18/2017	TCC	1
Naphthalene	< 0.025	mg/kg	0.022	0.07	1	GRO95/8021		1/18/2017	TCC	1
Toluene	< 0.025	mg/kg	0.014	0.046	1	GRO95/8021		1/18/2017	TCC	1
1,2,4-Trimethylbenzene	< 0.025	mg/kg	0.01	0.032	1	GRO95/8021		1/18/2017	TCC	1
1,3,5-Trimethylbenzene	< 0.025	mg/kg	0.011	0.036	1	GRO95/8021		1/18/2017	TCC	1
m&p-Xylene	< 0.05	mg/kg	0.012	0.037	1	GRO95/8021		1/18/2017	TCC	1
o-Xylene	< 0.025	mg/kg	0.015	0.047	1	GRO95/8021		1/18/2017	TCC	1

Project Name PIZZA PLACE RESTAURANT **Invoice #** E32340
Project #

Lab Code 5032340Z
Sample ID G-6-13
Sample Matrix Soil
Sample Date 1/9/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	90.4	%			1	5021		1/13/2017	TCC	1
Organic										
PVOC + Naphthalene										
Benzene	< 0.025	mg/kg	0.019	0.06	1	GRO95/8021		1/18/2017	TCC	1
Ethylbenzene	< 0.025	mg/kg	0.01	0.032	1	GRO95/8021		1/18/2017	TCC	1
Methyl tert-butyl ether (MTBE)	< 0.025	mg/kg	0.0079	0.025	1	GRO95/8021		1/18/2017	TCC	1
Naphthalene	< 0.025	mg/kg	0.022	0.07	1	GRO95/8021		1/18/2017	TCC	1
Toluene	< 0.025	mg/kg	0.014	0.046	1	GRO95/8021		1/18/2017	TCC	1
1,2,4-Trimethylbenzene	< 0.025	mg/kg	0.01	0.032	1	GRO95/8021		1/18/2017	TCC	1
1,3,5-Trimethylbenzene	< 0.025	mg/kg	0.011	0.036	1	GRO95/8021		1/18/2017	TCC	1
m&p-Xylene	< 0.05	mg/kg	0.012	0.037	1	GRO95/8021		1/18/2017	TCC	1
o-Xylene	< 0.025	mg/kg	0.015	0.047	1	GRO95/8021		1/18/2017	TCC	1

Lab Code 532340AA
Sample ID G-6-15
Sample Matrix Soil
Sample Date 1/9/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	90.0	%			1	5021		1/13/2017	TCC	1
Organic										
PVOC + Naphthalene										
Benzene	< 0.025	mg/kg	0.019	0.06	1	GRO95/8021		1/18/2017	TCC	1
Ethylbenzene	< 0.025	mg/kg	0.01	0.032	1	GRO95/8021		1/18/2017	TCC	1
Methyl tert-butyl ether (MTBE)	< 0.025	mg/kg	0.0079	0.025	1	GRO95/8021		1/18/2017	TCC	1
Naphthalene	< 0.025	mg/kg	0.022	0.07	1	GRO95/8021		1/18/2017	TCC	1
Toluene	< 0.025	mg/kg	0.014	0.046	1	GRO95/8021		1/18/2017	TCC	1
1,2,4-Trimethylbenzene	< 0.025	mg/kg	0.01	0.032	1	GRO95/8021		1/18/2017	TCC	1
1,3,5-Trimethylbenzene	< 0.025	mg/kg	0.011	0.036	1	GRO95/8021		1/18/2017	TCC	1
m&p-Xylene	< 0.05	mg/kg	0.012	0.037	1	GRO95/8021		1/18/2017	TCC	1
o-Xylene	< 0.025	mg/kg	0.015	0.047	1	GRO95/8021		1/18/2017	TCC	1

Project Name PIZZA PLACE RESTAURANT **Invoice #** E32340
Project #

Lab Code 532340BB
Sample ID G-9-I
Sample Matrix Soil
Sample Date 1/9/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	90.1	%			1	5021		1/13/2017	TCC	1
Inorganic										
Metals										
Lead, Total	92.9	mg/Kg	0.17	0.58	1	6010B		1/20/2017	CWT	1
Organic										
PAH SIM										
Acenaphthene	< 0.0135	mg/kg	0.0135	0.043	1	M8270C	1/18/2017	1/19/2017	NJC	1
Acenaphthylene	< 0.012	mg/kg	0.012	0.0381	1	M8270C	1/18/2017	1/19/2017	NJC	1
Anthracene	0.0259 "J"	mg/kg	0.0124	0.0395	1	M8270C	1/18/2017	1/19/2017	NJC	1
Benzo(a)anthracene	0.0276 "J"	mg/kg	0.0116	0.037	1	M8270C	1/18/2017	1/19/2017	NJC	1
Benzo(a)pyrene	0.0159 "J"	mg/kg	0.0113	0.0359	1	M8270C	1/18/2017	1/19/2017	NJC	1
Benzo(b)fluoranthene	0.0288 "J"	mg/kg	0.013	0.0414	1	M8270C	1/18/2017	1/19/2017	NJC	1
Benzo(g,h,i)perylene	0.0184 "J"	mg/kg	0.0114	0.0363	1	M8270C	1/18/2017	1/19/2017	NJC	1
Benzo(k)fluoranthene	< 0.0117	mg/kg	0.0117	0.0371	1	M8270C	1/18/2017	1/19/2017	NJC	1
Chrysene	0.048	mg/kg	0.0138	0.0439	1	M8270C	1/18/2017	1/19/2017	NJC	1
Dibenzo(a,h)anthracene	< 0.0142	mg/kg	0.0142	0.0453	1	M8270C	1/18/2017	1/19/2017	NJC	1
Fluoranthene	0.032 "J"	mg/kg	0.0131	0.0418	1	M8270C	1/18/2017	1/19/2017	NJC	1
Fluorene	< 0.0135	mg/kg	0.0135	0.0431	1	M8270C	1/18/2017	1/19/2017	NJC	1
Indeno(1,2,3-cd)pyrene	< 0.015	mg/kg	0.015	0.0476	1	M8270C	1/18/2017	1/19/2017	NJC	1
1-Methyl naphthalene	0.39	mg/kg	0.0143	0.0456	1	M8270C	1/18/2017	1/19/2017	NJC	1
2-Methyl naphthalene	0.42	mg/kg	0.0119	0.038	1	M8270C	1/18/2017	1/19/2017	NJC	1
Naphthalene	0.226	mg/kg	0.0122	0.0387	1	M8270C	1/18/2017	1/19/2017	NJC	1
Phenanthrene	0.18	mg/kg	0.0109	0.0347	1	M8270C	1/18/2017	1/19/2017	NJC	1
Pyrene	0.055	mg/kg	0.0126	0.0401	1	M8270C	1/18/2017	1/19/2017	NJC	1
PVOC										
Benzene	< 0.025	mg/kg	0.019	0.06	1	GRO95/8021		1/18/2017	TCC	1
Ethylbenzene	< 0.025	mg/kg	0.01	0.032	1	GRO95/8021		1/18/2017	TCC	1
Methyl tert-butyl ether (MTBE)	< 0.025	mg/kg	0.0079	0.025	1	GRO95/8021		1/18/2017	TCC	1
Toluene	< 0.025	mg/kg	0.014	0.046	1	GRO95/8021		1/18/2017	TCC	1
1,2,4-Trimethylbenzene	< 0.025	mg/kg	0.01	0.032	1	GRO95/8021		1/18/2017	TCC	1
1,3,5-Trimethylbenzene	< 0.025	mg/kg	0.011	0.036	1	GRO95/8021		1/18/2017	TCC	1
m&p-Xylene	< 0.05	mg/kg	0.012	0.037	1	GRO95/8021		1/18/2017	TCC	1
o-Xylene	< 0.025	mg/kg	0.015	0.047	1	GRO95/8021		1/18/2017	TCC	1

Project Name PIZZA PLACE RESTAURANT **Invoice #** E32340
Project #

Lab Code 532340CC
Sample ID G-9-3
Sample Matrix Soil
Sample Date 1/9/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	89.0	%			1	5021		1/13/2017	TCC	1
Organic										
PVOC + Naphthalene										
Benzene	< 0.025	mg/kg	0.019	0.06	1	GRO95/8021		1/18/2017	TCC	1
Ethylbenzene	< 0.025	mg/kg	0.01	0.032	1	GRO95/8021		1/18/2017	TCC	1
Methyl tert-butyl ether (MTBE)	< 0.025	mg/kg	0.0079	0.025	1	GRO95/8021		1/18/2017	TCC	1
Naphthalene	< 0.025	mg/kg	0.022	0.07	1	GRO95/8021		1/18/2017	TCC	1
Toluene	< 0.025	mg/kg	0.014	0.046	1	GRO95/8021		1/18/2017	TCC	1
1,2,4-Trimethylbenzene	< 0.025	mg/kg	0.01	0.032	1	GRO95/8021		1/18/2017	TCC	1
1,3,5-Trimethylbenzene	< 0.025	mg/kg	0.011	0.036	1	GRO95/8021		1/18/2017	TCC	1
m&p-Xylene	< 0.05	mg/kg	0.012	0.037	1	GRO95/8021		1/18/2017	TCC	1
o-Xylene	< 0.025	mg/kg	0.015	0.047	1	GRO95/8021		1/18/2017	TCC	1

Lab Code 532340DD
Sample ID G-9-5
Sample Matrix Soil
Sample Date 1/9/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	95.9	%			1	5021		1/13/2017	TCC	1
Organic										
PVOC + Naphthalene										
Benzene	< 0.025	mg/kg	0.019	0.06	1	GRO95/8021		1/18/2017	TCC	1
Ethylbenzene	< 0.025	mg/kg	0.01	0.032	1	GRO95/8021		1/18/2017	TCC	1
Methyl tert-butyl ether (MTBE)	< 0.025	mg/kg	0.0079	0.025	1	GRO95/8021		1/18/2017	TCC	1
Naphthalene	< 0.025	mg/kg	0.022	0.07	1	GRO95/8021		1/18/2017	TCC	1
Toluene	< 0.025	mg/kg	0.014	0.046	1	GRO95/8021		1/18/2017	TCC	1
1,2,4-Trimethylbenzene	< 0.025	mg/kg	0.01	0.032	1	GRO95/8021		1/18/2017	TCC	1
1,3,5-Trimethylbenzene	< 0.025	mg/kg	0.011	0.036	1	GRO95/8021		1/18/2017	TCC	1
m&p-Xylene	< 0.05	mg/kg	0.012	0.037	1	GRO95/8021		1/18/2017	TCC	1
o-Xylene	< 0.025	mg/kg	0.015	0.047	1	GRO95/8021		1/18/2017	TCC	1

Project Name PIZZA PLACE RESTAURANT **Invoice #** E32340
Project #

Lab Code 532340EE
Sample ID G-9-8
Sample Matrix Soil
Sample Date 1/10/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	91.5	%			1	5021		1/13/2017	TCC	1
Organic										
PVOC + Naphthalene										
Benzene	< 0.025	mg/kg	0.019	0.06	1	GRO95/8021		1/20/2017	TCC	1
Ethylbenzene	< 0.025	mg/kg	0.01	0.032	1	GRO95/8021		1/20/2017	TCC	1
Methyl tert-butyl ether (MTBE)	< 0.025	mg/kg	0.0079	0.025	1	GRO95/8021		1/20/2017	TCC	1
Naphthalene	< 0.025	mg/kg	0.022	0.07	1	GRO95/8021		1/20/2017	TCC	1
Toluene	< 0.025	mg/kg	0.014	0.046	1	GRO95/8021		1/20/2017	TCC	1
1,2,4-Trimethylbenzene	< 0.025	mg/kg	0.01	0.032	1	GRO95/8021		1/20/2017	TCC	1
1,3,5-Trimethylbenzene	< 0.025	mg/kg	0.011	0.036	1	GRO95/8021		1/20/2017	TCC	1
m&p-Xylene	< 0.05	mg/kg	0.012	0.037	1	GRO95/8021		1/20/2017	TCC	1
o-Xylene	< 0.025	mg/kg	0.015	0.047	1	GRO95/8021		1/20/2017	TCC	1

Lab Code 532340FF
Sample ID G-9-9
Sample Matrix Soil
Sample Date 1/10/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	92.1	%			1	5021		1/13/2017	TCC	1
Organic										
PVOC + Naphthalene										
Benzene	< 0.025	mg/kg	0.019	0.06	1	GRO95/8021		1/20/2017	TCC	1
Ethylbenzene	0.071	mg/kg	0.01	0.032	1	GRO95/8021		1/20/2017	TCC	1
Methyl tert-butyl ether (MTBE)	< 0.025	mg/kg	0.0079	0.025	1	GRO95/8021		1/20/2017	TCC	1
Naphthalene	0.048 "J"	mg/kg	0.022	0.07	1	GRO95/8021		1/20/2017	TCC	1
Toluene	0.118	mg/kg	0.014	0.046	1	GRO95/8021		1/20/2017	TCC	1
1,2,4-Trimethylbenzene	0.259	mg/kg	0.01	0.032	1	GRO95/8021		1/20/2017	TCC	1
1,3,5-Trimethylbenzene	0.094	mg/kg	0.011	0.036	1	GRO95/8021		1/20/2017	TCC	1
m&p-Xylene	0.32	mg/kg	0.012	0.037	1	GRO95/8021		1/20/2017	TCC	1
o-Xylene	0.129	mg/kg	0.015	0.047	1	GRO95/8021		1/20/2017	TCC	1

Project Name PIZZA PLACE RESTAURANT **Invoice #** E32340
Project #

Lab Code 532340GG
Sample ID G-9-10
Sample Matrix Soil
Sample Date 1/10/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	92.2	%			1	5021		1/13/2017	TCC	
Organic										
PVOC + Naphthalene										
Benzene	0.13	mg/kg	0.019	0.06	1	GRO95/8021		1/20/2017	TCC	
Ethylbenzene	0.072	mg/kg	0.01	0.032	1	GRO95/8021		1/20/2017	TCC	
Methyl tert-butyl ether (MTBE)	< 0.025	mg/kg	0.0079	0.025	1	GRO95/8021		1/20/2017	TCC	
Naphthalene	0.065 "J"	mg/kg	0.022	0.07	1	GRO95/8021		1/20/2017	TCC	
Toluene	0.34	mg/kg	0.014	0.046	1	GRO95/8021		1/20/2017	TCC	
1,2,4-Trimethylbenzene	0.177	mg/kg	0.01	0.032	1	GRO95/8021		1/20/2017	TCC	
1,3,5-Trimethylbenzene	0.061	mg/kg	0.011	0.036	1	GRO95/8021		1/20/2017	TCC	
m&p-Xylene	0.274	mg/kg	0.012	0.037	1	GRO95/8021		1/20/2017	TCC	
o-Xylene	0.155	mg/kg	0.015	0.047	1	GRO95/8021		1/20/2017	TCC	

Lab Code 532340HH
Sample ID G-10-2
Sample Matrix Soil
Sample Date 1/11/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	86.7	%			1	5021		1/13/2017	TCC	
Organic										
PVOC + Naphthalene										
Benzene	< 0.025	mg/kg	0.019	0.06	1	GRO95/8021		1/20/2017	TCC	
Ethylbenzene	< 0.025	mg/kg	0.01	0.032	1	GRO95/8021		1/20/2017	TCC	
Methyl tert-butyl ether (MTBE)	< 0.025	mg/kg	0.0079	0.025	1	GRO95/8021		1/20/2017	TCC	
Naphthalene	< 0.025	mg/kg	0.022	0.07	1	GRO95/8021		1/20/2017	TCC	
Toluene	< 0.025	mg/kg	0.014	0.046	1	GRO95/8021		1/20/2017	TCC	
1,2,4-Trimethylbenzene	< 0.025	mg/kg	0.01	0.032	1	GRO95/8021		1/20/2017	TCC	
1,3,5-Trimethylbenzene	< 0.025	mg/kg	0.011	0.036	1	GRO95/8021		1/20/2017	TCC	
m&p-Xylene	< 0.05	mg/kg	0.012	0.037	1	GRO95/8021		1/20/2017	TCC	
o-Xylene	< 0.025	mg/kg	0.015	0.047	1	GRO95/8021		1/20/2017	TCC	

Project Name PIZZA PLACE RESTAURANT **Invoice #** E32340
Project #

Lab Code 532340II
Sample ID TRIP BLANK
Sample Matrix Water
Sample Date 1/11/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	< 0.27	ug/l	0.27	0.87	1	GRO95/8021		1/19/2017	TCC	1
Ethylbenzene	< 0.56	ug/l	0.56	1.77	1	GRO95/8021		1/19/2017	TCC	1
Methyl tert-butyl ether (MTBE)	< 0.43	ug/l	0.43	1.36	1	GRO95/8021		1/19/2017	TCC	1
Naphthalene	< 1.7	ug/l	1.7	5.27	1	GRO95/8021		1/19/2017	TCC	1
Toluene	< 0.33	ug/l	0.33	1.06	1	GRO95/8021		1/19/2017	TCC	1
1,2,4-Trimethylbenzene	< 0.56	ug/l	0.56	1.78	1	GRO95/8021		1/19/2017	TCC	1
1,3,5-Trimethylbenzene	< 0.58	ug/l	0.58	1.84	1	GRO95/8021		1/19/2017	TCC	1
m&p-Xylene	< 1.1	ug/l	1.1	3.49	1	GRO95/8021		1/19/2017	TCC	1
o-Xylene	< 0.61	ug/l	0.61	1.92	1	GRO95/8021		1/19/2017	TCC	1

Lab Code 532340JJ
Sample ID G-3-W
Sample Matrix Water
Sample Date 1/11/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	390	ug/l	1.35	4.35	5	GRO95/8021		1/19/2017	TCC	1
Ethylbenzene	67	ug/l	2.8	8.85	5	GRO95/8021		1/19/2017	TCC	1
Methyl tert-butyl ether (MTBE)	12.4	ug/l	2.15	6.8	5	GRO95/8021		1/19/2017	TCC	1
Naphthalene	22.2 "J"	ug/l	8.5	26.35	5	GRO95/8021		1/19/2017	TCC	1
Toluene	320	ug/l	1.65	5.3	5	GRO95/8021		1/19/2017	TCC	1
1,2,4-Trimethylbenzene	5.6 "J"	ug/l	2.8	8.9	5	GRO95/8021		1/19/2017	TCC	1
1,3,5-Trimethylbenzene	37	ug/l	2.9	9.2	5	GRO95/8021		1/19/2017	TCC	1
m&p-Xylene	29.1	ug/l	5.5	17.45	5	GRO95/8021		1/19/2017	TCC	1
o-Xylene	226	ug/l	3.05	9.6	5	GRO95/8021		1/19/2017	TCC	1

Lab Code 532340KK
Sample ID G-4-W
Sample Matrix Water
Sample Date 1/11/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	28.1	ug/l	0.27	0.87	1	GRO95/8021		1/19/2017	TCC	1 55
Ethylbenzene	13.8	ug/l	0.56	1.77	1	GRO95/8021		1/19/2017	TCC	1 55
Methyl tert-butyl ether (MTBE)	3.8	ug/l	0.43	1.36	1	GRO95/8021		1/19/2017	TCC	1 55
Naphthalene	< 1.7	ug/l	1.7	5.27	1	GRO95/8021		1/19/2017	TCC	1 55
Toluene	3.4	ug/l	0.33	1.06	1	GRO95/8021		1/19/2017	TCC	1 55
1,2,4-Trimethylbenzene	3.8	ug/l	0.56	1.78	1	GRO95/8021		1/19/2017	TCC	1 55
1,3,5-Trimethylbenzene	1.46 "J"	ug/l	0.58	1.84	1	GRO95/8021		1/19/2017	TCC	1 55
m&p-Xylene	34	ug/l	1.1	3.49	1	GRO95/8021		1/19/2017	TCC	1 55
o-Xylene	1.34 "J"	ug/l	0.61	1.92	1	GRO95/8021		1/19/2017	TCC	1 55

Project Name PIZZA PLACE RESTAURANT **Invoice #** E32340
Project #

Lab Code 532340LL
Sample ID G-6-W
Sample Matrix Water
Sample Date 1/11/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	4.5	ug/l	0.27	0.87	1	GRO95/8021		1/19/2017	TCC	1
Ethylbenzene	7.1	ug/l	0.56	1.77	1	GRO95/8021		1/19/2017	TCC	1
Methyl tert-butyl ether (MTBE)	< 0.43	ug/l	0.43	1.36	1	GRO95/8021		1/19/2017	TCC	1
Naphthalene	4.5 "J"	ug/l	1.7	5.27	1	GRO95/8021		1/19/2017	TCC	1
Toluene	1.91	ug/l	0.33	1.06	1	GRO95/8021		1/19/2017	TCC	1
1,2,4-Trimethylbenzene	3.11	ug/l	0.56	1.78	1	GRO95/8021		1/19/2017	TCC	1
1,3,5-Trimethylbenzene	1.1 "J"	ug/l	0.58	1.84	1	GRO95/8021		1/19/2017	TCC	1
m&p-Xylene	6.3	ug/l	1.1	3.49	1	GRO95/8021		1/19/2017	TCC	1
o-Xylene	6.2	ug/l	0.61	1.92	1	GRO95/8021		1/19/2017	TCC	1

Lab Code 532340MM
Sample ID G-7-W
Sample Matrix Water
Sample Date 1/11/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	< 0.27	ug/l	0.27	0.87	1	GRO95/8021		1/19/2017	TCC	1
Ethylbenzene	< 0.56	ug/l	0.56	1.77	1	GRO95/8021		1/19/2017	TCC	1
Methyl tert-butyl ether (MTBE)	< 0.43	ug/l	0.43	1.36	1	GRO95/8021		1/19/2017	TCC	1
Naphthalene	< 1.7	ug/l	1.7	5.27	1	GRO95/8021		1/19/2017	TCC	1
Toluene	0.78 "J"	ug/l	0.33	1.06	1	GRO95/8021		1/19/2017	TCC	1
1,2,4-Trimethylbenzene	0.59 "J"	ug/l	0.56	1.78	1	GRO95/8021		1/19/2017	TCC	1
1,3,5-Trimethylbenzene	< 0.58	ug/l	0.58	1.84	1	GRO95/8021		1/19/2017	TCC	1
m&p-Xylene	< 1.1	ug/l	1.1	3.49	1	GRO95/8021		1/19/2017	TCC	1
o-Xylene	< 0.61	ug/l	0.61	1.92	1	GRO95/8021		1/19/2017	TCC	1

Lab Code 532340NN
Sample ID G-8-W
Sample Matrix Water
Sample Date 1/11/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	< 0.27	ug/l	0.27	0.87	1	GRO95/8021		1/19/2017	TCC	1
Ethylbenzene	< 0.56	ug/l	0.56	1.77	1	GRO95/8021		1/19/2017	TCC	1
Methyl tert-butyl ether (MTBE)	< 0.43	ug/l	0.43	1.36	1	GRO95/8021		1/19/2017	TCC	1
Naphthalene	< 1.7	ug/l	1.7	5.27	1	GRO95/8021		1/19/2017	TCC	1
Toluene	0.49 "J"	ug/l	0.33	1.06	1	GRO95/8021		1/19/2017	TCC	1
1,2,4-Trimethylbenzene	< 0.56	ug/l	0.56	1.78	1	GRO95/8021		1/19/2017	TCC	1
1,3,5-Trimethylbenzene	< 0.58	ug/l	0.58	1.84	1	GRO95/8021		1/19/2017	TCC	1
m&p-Xylene	< 1.1	ug/l	1.1	3.49	1	GRO95/8021		1/19/2017	TCC	1
o-Xylene	< 0.61	ug/l	0.61	1.92	1	GRO95/8021		1/19/2017	TCC	1

Project Name PIZZA PLACE RESTAURANT **Invoice #** E32340
Project #

Lab Code 532340OO
Sample ID G-10-W
Sample Matrix Water
Sample Date 1/11/2017

	Result		Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic											
PVOC + Naphthalene											
Benzene	3.6		ug/l	0.27	0.87	1	GRO95/8021		1/19/2017	TCC	1
Ethylbenzene	2.4		ug/l	0.56	1.77	1	GRO95/8021		1/19/2017	TCC	1
Methyl tert-butyl ether (MTBE)		< 0.43	ug/l	0.43	1.36	1	GRO95/8021		1/19/2017	TCC	1
Naphthalene	6.1		ug/l	1.7	5.27	1	GRO95/8021		1/19/2017	TCC	1
Toluene	4.4		ug/l	0.33	1.06	1	GRO95/8021		1/19/2017	TCC	1
1,2,4-Trimethylbenzene	9.4		ug/l	0.56	1.78	1	GRO95/8021		1/19/2017	TCC	1
1,3,5-Trimethylbenzene	3.01		ug/l	0.58	1.84	1	GRO95/8021		1/19/2017	TCC	1
m&p-Xylene	9.1		ug/l	1.1	3.49	1	GRO95/8021		1/19/2017	TCC	1
o-Xylene	4.4		ug/l	0.61	1.92	1	GRO95/8021		1/19/2017	TCC	1

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

Code	*Comment*
1	Laboratory QC within limits.
55	Vials combined due to sedimentation.

CWT denotes sub contract lab - Certification #445126660

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

Authorized Signature *Michael Ricker*

CHAIN OF STODY RECORD

Synergy Environmental Lab, Inc.

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

Chain # № 2884

Page 1 of 5

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

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

Project (Name / Location): Pizza Place Restaurant

Reports To: Douglas Potvin	Invoice To: Douglas Potvin
Company	Company C/O METCO
Address 611 E Bracklin St	Address 709 Gillette St, Ste 3
City State Zip Rice Lake, WI 54868	City State Zip La Crosse, WI 54603
Phone (715) 736-1981	Phone (608) 781-8879
FAX	FAX 8893

Analysis Requested | **Other Analysis**

Lab I.D.	Sample I.D.	Collection Date	Collection Time	Comp	Grab	Filtered Y/N	No. of Containers	Sample Type (Matrix)*	Preservation	DRO (Mod DRO Sep 95)	GRO (Mod GRO Sep 95)	LEAD	NITRATE/NITRITE	OIL & GREASE	PAH (EPA 8270)	PCB	PVOC (EPA 8021)	PVOC + NAPHTHALENE	SULFATE	TOTAL SUSPENDED SOLIDS	VOC DW (EPA 542.2)	VOC (EPA 8260)	8-RCRA METALS	PID/FID
603234 A	Meth Blank						1		MEOH									X						
B	G-2-1	1/9	10:35		X		4	S	/None			X			X							X		
C	G-2-3		10:45				2											X						
D	G-2-5		10:50				2											X						
E	G-2-8		11:00				2											X						
F	G-2-10		11:10				2											X						
G	G-2-13		11:35				2											X						
H	G-3-1		12:20				4		/None			X			X		X							
I	G-3-3		12:25				2											X						
J	G-3-5		12:30				2											X						

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

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

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

Relinquished By: (sign)	Time	Date	Received By: (sign)	Time	Date
E-V	8:30AM	1/12/17			

Received in Laboratory By: [signature] Time: 8:00 Date: 1/13/17

CHAIN OF CUSTODY RECORD

Synergy

Environmental Lab, Inc.

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

Chain # No 2906

Page 2 of 5

Sample Handling Request

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

X Normal Turn Around

Lab I.D. #	
Account No. :	Quote No.:
Project #:	
Sampler: (signature)	
Project (Name / Location):	Pizza Place Restaurant
Reports To:	See Page 1
Company	Company
Address	Address
City State Zip	City State Zip
Phone	Phone
FAX	FAX

Invoice To: →

Lab I.D.	Sample I.D.	Collection Date	Collection Time	Comp	Grab	Filtered Y/N	No. of Containers	Sample Type (Matrix)*	Preservation	DRO (Mod DRO Sep 95)	GRO (Mod GRO Sep 95)	LEAD	NITRATE/NITRITE	OIL & GREASE	PAH (EPA 8270)	PCB	PVOC (EPA 8021)	PVOC + NAPHTHALENE	SULFATE	TOTAL SUSPENDED SOLIDS	VOC DW (EPA 542.2)	VOC (EPA 8260)	8-RCRA METALS	PID/ FID
503238-B	G-3-8	1/9	12:35		X		2	S	MEOH									X						
C	G-3-10	↓	12:45		↓		2	↓	↓									X						
D	G-3-13		1:05				2											X						
E	G-3-15		1:25				2											X						
F	G-4-15	↓	3:20				2											X						
G	G-5-1	1/10	7:30				4		None			X			X		X							
H	G-5-3	↓	7:35				2											X						
I	G-5-5		7:45				2											X						
J	G-5-8		8:00				2											X						
K	G-5-10	↓	8:05		↓		2	↓	↓									X						

Analysis Requested — Other Analysis

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

Sample Integrity - To be completed by receiving lab.

Method of Shipment: Drive

Temp. of Temp. Blank ____ °C On Ice: X

Cooler seal intact upon receipt: X Yes ____ No

Relinquished By: (sign)	Time	Date	Received By: (sign)	Time	Date
	8:30AM	1/12/17			

Received in Laboratory By: Time: 8:40 Date: 1/12/17

CHAIN OF CUSTODY RECORD

Synergy

Environmental Lab, Inc.

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

Chain # Nº 2900

Page 3 of 5

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

Lab I.D. #	
Account No. :	Quote No.:
Project #:	
Sampler: (signature)	
Project (Name / Location):	Pizza Place Restaurant
Reports To:	See Page 1
Company	Company
Address	Address
City State Zip	City State Zip
Phone	Phone
FAX	FAX

Invoice To: →

Lab I.D.	Sample I.D.	Collection Date	Collection Time	Comp	Grab	Filtered Y/N	No. of Containers	Sample Type (Matrix)*	Preservation	DRO (Mod DRO Sep 95)	GRO (Mod GRO Sep 95)	LEAD	NITRATE/NITRITE	OIL & GREASE	PAH (EPA 8270)	PCB	PVOC (EPA 8021)	PVOC + NAPHTHALENE	SULFATE	TOTAL SUSPENDED SOLIDS	VOC DW (EPA 542.2)	VOC (EPA 8260)	8-RCRA METALS	PID/ FID
S052340 U	G-6-1	1/10	8:30		X		4	S	MEOH/None			X			X		X							
V	G-6-3		8:40				2											X						
W	G-6-5		8:45				2											X						
X	G-6-8		9:10				2											X						
Y	G-6-10		9:20				2											X						
Z	G-6-13		10:15				2											X						
AA	G-6-15		10:35				2											X						
BB	G-9-1		3:50				4		None			X			X		X							
CC	G-9-3		4:00				2											X						
DD	G-9-5		4:10				2											X						

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

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

Relinquished By: (sign)	Time	Date	Received By: (sign)	Time	Date
	8:30AM	1/12/17			

Received in Laboratory By: Time: 9:00 Date: 1/13/17

CHAIN OF CUSTODY RECORD

Synergy

Environmental Lab, Inc.

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Chain # Nº 2906

Page 4 of 5

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

Lab I.D. #	
Account No. :	Quote No.:
Project #:	
Sampler: (signature)	
Project (Name / Location):	Pizza Place Restaurant
Reports To:	See Page 1
Company	
Address	
City State Zip	
Phone	
FAX	

Invoice To:
Company
Address
City State Zip
Phone
FAX

Analysis Requested | **Other Analysis**

Lab I.D.	Sample I.D.	Collection Date	Collection Time	Comp	Grab	Filtered Y/N	No. of Containers	Sample Type (Matrix)*	Preservation	DRO (Mod DRO Sep 95)	GRO (Mod GRO Sep 95)	LEAD	NITRATE/NITRITE	OIL & GREASE	PAH (EPA 8270)	PCB	PVOC (EPA 8021)	PVOC + NAPHTHALENE	SULFATE	TOTAL SUSPENDED SOLIDS	VOC DW (EPA 542.2)	VOC (EPA 8260)	8-RCRA METALS	PID/ FID
532340	G-9-8	1/10	4:20		X		2	S	MEOH									X						
FF	G-9-9		4:25				2											X						
GG	G-9-10		4:30				2											X						
HH	G-10-2	1/11	8:10				2											X						
II	Trip Blank	1/9					1		HCl									X						
JJ	G-3-W	1/9	2:00		X		3	GW										X						
KK	G-4-W	1/9	4:10				3											X						
LL	G-6-W	1/10	10:40				3											X						
MM	G-7-W		1:00				3											X						
NN	G-8-W		3:05				3											X						

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

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

Relinquished By: (sign)	Time	Date	Received By: (sign)	Time	Date
	8:30AM	1/12/17			

Received in Laboratory By: [signature] Time: 8:00 Date: 1/13/17

CHAIN OF CUSTODY RECORD

Synergy

Environmental Lab, Inc.

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Chain # Nº 2905

Page 5 of 5

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

Lab I.D. #	
Account No. :	Quote No.:
Project #:	
Sampler: (signature)	
Project (Name / Location):	Pizza Place Restaurant
Reports To: See Page 1	Invoice To:
Company	Company
Address	Address
City State Zip	City State Zip
Phone	Phone
FAX	FAX

Lab I.D.	Sample I.D.	Collection Date	Collection Time	Comp	Grab	Filtered Y/N	No. of Containers	Sample Type (Matrix)*	Preservation
532400	G-10-W	1/11	9:30		X		3	GW	HCl

Analysis Requested / **Other Analysis**

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

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

Sample Integrity - To be completed by receiving lab
Method of Shipment: Courier
Temp. of Temp. Blank ____ °C On ice X
Cooler seal intact upon receipt: X Yes ____ No

Relinquished By: (sign)	Time	Date	Received By: (sign)	Time	Date
	8:30AM	1/12/17			

Received in Laboratory By: Time: 8:00 Date: 1/13/17

Synergy Environmental Lab,

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

DOUGLASS POTVIN C/O JANET DIER
DOUGLAS POTVIN
611 E. BRACKLIN STREET
RICE LAKE, WI 54868

Report Date *16-Jun-17*

Project Name PIZZA PLACE RESTAURANT/TURTLE **Invoice #** E33032
Project #

Lab Code 5033032A
Sample ID MW-1-1
Sample Matrix Soil
Sample Date 5/30/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	86.6	%			1	5021		6/6/2017	NJC	I
Organic										
PVOC + Naphthalene										
Benzene	< 0.025	mg/kg	0.019	0.06	1	GRO95/8021		6/14/2017	TCC	I
Ethylbenzene	< 0.025	mg/kg	0.01	0.032	1	GRO95/8021		6/14/2017	TCC	I
Methyl tert-butyl ether (MTBE)	< 0.025	mg/kg	0.0079	0.025	1	GRO95/8021		6/14/2017	TCC	I
Naphthalene	0.43	mg/kg	0.022	0.07	1	GRO95/8021		6/14/2017	TCC	I
Toluene	0.042 "J"	mg/kg	0.014	0.046	1	GRO95/8021		6/14/2017	TCC	I
1,2,4-Trimethylbenzene	0.203	mg/kg	0.01	0.032	1	GRO95/8021		6/14/2017	TCC	I
1,3,5-Trimethylbenzene	0.043	mg/kg	0.011	0.036	1	GRO95/8021		6/14/2017	TCC	I
m&p-Xylene	0.16	mg/kg	0.012	0.037	1	GRO95/8021		6/14/2017	TCC	I
o-Xylene	< 0.025	mg/kg	0.015	0.047	1	GRO95/8021		6/14/2017	TCC	I

Project Name PIZZA PLACE RESTAURANT/TURTLE **Invoice #** E33032
Project #

Lab Code 5033032B
Sample ID MW-1-8
Sample Matrix Soil
Sample Date 5/30/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	83.4	%			1	5021		6/6/2017	NJC	I
Organic										
PVOC + Naphthalene										
Benzene	11.8	mg/kg	1.9	6	100	GRO95/8021		6/16/2017	TCC	I
Ethylbenzene	130	mg/kg	1	3.2	100	GRO95/8021		6/16/2017	TCC	I
Methyl tert-butyl ether (MTBE)	< 2.5	mg/kg	0.79	2.5	100	GRO95/8021		6/16/2017	TCC	I
Naphthalene	68	mg/kg	2.2	7	100	GRO95/8021		6/16/2017	TCC	I
Toluene	143	mg/kg	1.4	4.6	100	GRO95/8021		6/16/2017	TCC	I
1,2,4-Trimethylbenzene	340	mg/kg	1	3.2	100	GRO95/8021		6/16/2017	TCC	I
1,3,5-Trimethylbenzene	119	mg/kg	1.1	3.6	100	GRO95/8021		6/16/2017	TCC	I
m&p-Xylene	500	mg/kg	1.2	3.7	100	GRO95/8021		6/16/2017	TCC	I
o-Xylene	193	mg/kg	1.5	4.7	100	GRO95/8021		6/16/2017	TCC	I

Lab Code 5033032C
Sample ID MW-1-12
Sample Matrix Soil
Sample Date 5/30/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	90.0	%			1	5021		6/6/2017	NJC	I
Organic										
PVOC + Naphthalene										
Benzene	0.246	mg/kg	0.019	0.06	1	GRO95/8021		6/14/2017	TCC	I
Ethylbenzene	0.241	mg/kg	0.01	0.032	1	GRO95/8021		6/14/2017	TCC	I
Methyl tert-butyl ether (MTBE)	< 0.025	mg/kg	0.0079	0.025	1	GRO95/8021		6/14/2017	TCC	I
Naphthalene	0.095	mg/kg	0.022	0.07	1	GRO95/8021		6/14/2017	TCC	I
Toluene	0.91	mg/kg	0.014	0.046	1	GRO95/8021		6/14/2017	TCC	I
1,2,4-Trimethylbenzene	0.49	mg/kg	0.01	0.032	1	GRO95/8021		6/14/2017	TCC	I
1,3,5-Trimethylbenzene	0.17	mg/kg	0.011	0.036	1	GRO95/8021		6/14/2017	TCC	I
m&p-Xylene	0.81	mg/kg	0.012	0.037	1	GRO95/8021		6/14/2017	TCC	I
o-Xylene	0.37	mg/kg	0.015	0.047	1	GRO95/8021		6/14/2017	TCC	I

Project Name PIZZA PLACE RESTAURANT/TURTLE **Invoice #** E33032
Project #

Lab Code 5033032D
Sample ID MW-3-1
Sample Matrix Soil
Sample Date 5/30/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	88.6	%			1	5021		6/6/2017	NJC	1
Organic										
PVOC + Naphthalene										
Benzene	< 0.025	mg/kg	0.019	0.06	1	GRO95/8021		6/14/2017	TCC	1
Ethylbenzene	< 0.025	mg/kg	0.01	0.032	1	GRO95/8021		6/14/2017	TCC	1
Methyl tert-butyl ether (MTBE)	< 0.025	mg/kg	0.0079	0.025	1	GRO95/8021		6/14/2017	TCC	1
Naphthalene	< 0.025	mg/kg	0.022	0.07	1	GRO95/8021		6/14/2017	TCC	1
Toluene	< 0.025	mg/kg	0.014	0.046	1	GRO95/8021		6/14/2017	TCC	1
1,2,4-Trimethylbenzene	< 0.025	mg/kg	0.01	0.032	1	GRO95/8021		6/14/2017	TCC	1
1,3,5-Trimethylbenzene	< 0.025	mg/kg	0.011	0.036	1	GRO95/8021		6/14/2017	TCC	1
m&p-Xylene	< 0.05	mg/kg	0.012	0.037	1	GRO95/8021		6/14/2017	TCC	1
o-Xylene	< 0.025	mg/kg	0.015	0.047	1	GRO95/8021		6/14/2017	TCC	1

Lab Code 5033032E
Sample ID MW-2-1
Sample Matrix Soil
Sample Date 5/31/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	91.0	%			1	5021		6/6/2017	NJC	1
Organic										
PVOC + Naphthalene										
Benzene	20.8	mg/kg	1.9	6	100	GRO95/8021		6/16/2017	TCC	1
Ethylbenzene	4.7	mg/kg	1	3.2	100	GRO95/8021		6/16/2017	TCC	1
Methyl tert-butyl ether (MTBE)	< 2.5	mg/kg	0.79	2.5	100	GRO95/8021		6/16/2017	TCC	1
Naphthalene	61	mg/kg	2.2	7	100	GRO95/8021		6/16/2017	TCC	1
Toluene	52	mg/kg	1.4	4.6	100	GRO95/8021		6/16/2017	TCC	1
1,2,4-Trimethylbenzene	320	mg/kg	1	3.2	100	GRO95/8021		6/16/2017	TCC	1
1,3,5-Trimethylbenzene	122	mg/kg	1.1	3.6	100	GRO95/8021		6/16/2017	TCC	1
m&p-Xylene	420	mg/kg	1.2	3.7	100	GRO95/8021		6/16/2017	TCC	1
o-Xylene	175	mg/kg	1.5	4.7	100	GRO95/8021		6/16/2017	TCC	1

Project Name PIZZA PLACE RESTAURANT/TURTLE **Invoice #** E33032
Project #

Lab Code 5033032F
Sample ID MW-2-6
Sample Matrix Soil
Sample Date 5/31/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	91.5	%			1	5021		6/6/2017	NJC	1
Organic										
PVOC + Naphthalene										
Benzene	1.0	mg/kg	0.019	0.06	1	GRO95/8021		6/14/2017	TCC	1
Ethylbenzene	13.8	mg/kg	0.2	0.64	20	GRO95/8021		6/16/2017	TCC	1
Methyl tert-butyl ether (MTBE)	< 0.025	mg/kg	0.0079	0.025	1	GRO95/8021		6/14/2017	TCC	1
Naphthalene	12.9	mg/kg	0.44	1.4	20	GRO95/8021		6/16/2017	TCC	1
Toluene	14.4	mg/kg	0.28	0.92	20	GRO95/8021		6/16/2017	TCC	1
1,2,4-Trimethylbenzene	58	mg/kg	0.2	0.64	20	GRO95/8021		6/16/2017	TCC	1
1,3,5-Trimethylbenzene	19.2	mg/kg	0.22	0.72	20	GRO95/8021		6/16/2017	TCC	1
m&p-Xylene	65	mg/kg	0.24	0.74	20	GRO95/8021		6/16/2017	TCC	1
o-Xylene	29.1	mg/kg	0.3	0.94	20	GRO95/8021		6/16/2017	TCC	1

Lab Code 5033032G
Sample ID MW-2-12
Sample Matrix Soil
Sample Date 5/31/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	90.9	%			1	5021		6/6/2017	NJC	1
Organic										
PVOC + Naphthalene										
Benzene	0.050 "J"	mg/kg	0.019	0.06	1	GRO95/8021		6/15/2017	TCC	1
Ethylbenzene	0.292	mg/kg	0.01	0.032	1	GRO95/8021		6/15/2017	TCC	1
Methyl tert-butyl ether (MTBE)	< 0.025	mg/kg	0.0079	0.025	1	GRO95/8021		6/15/2017	TCC	1
Naphthalene	0.38	mg/kg	0.022	0.07	1	GRO95/8021		6/15/2017	TCC	1
Toluene	0.44	mg/kg	0.014	0.046	1	GRO95/8021		6/15/2017	TCC	1
1,2,4-Trimethylbenzene	1.13	mg/kg	0.01	0.032	1	GRO95/8021		6/15/2017	TCC	1
1,3,5-Trimethylbenzene	0.35	mg/kg	0.011	0.036	1	GRO95/8021		6/15/2017	TCC	1
m&p-Xylene	1.04	mg/kg	0.012	0.037	1	GRO95/8021		6/15/2017	TCC	1
o-Xylene	0.54	mg/kg	0.015	0.047	1	GRO95/8021		6/15/2017	TCC	1

Project Name PIZZA PLACE RESTAURANT/TURTLE **Invoice #** E33032
Project #

Lab Code 5033032H
Sample ID MW-3-6
Sample Matrix Soil
Sample Date 6/1/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	91.5	%			1	5021		6/6/2017	NJC	1
Organic										
PVOC + Naphthalene										
Benzene	< 0.025	mg/kg	0.019	0.06	1	GRO95/8021		6/15/2017	TCC	1
Ethylbenzene	< 0.025	mg/kg	0.01	0.032	1	GRO95/8021		6/15/2017	TCC	1
Methyl tert-butyl ether (MTBE)	< 0.025	mg/kg	0.0079	0.025	1	GRO95/8021		6/15/2017	TCC	1
Naphthalene	< 0.025	mg/kg	0.022	0.07	1	GRO95/8021		6/15/2017	TCC	1
Toluene	< 0.025	mg/kg	0.014	0.046	1	GRO95/8021		6/15/2017	TCC	1
1,2,4-Trimethylbenzene	< 0.025	mg/kg	0.01	0.032	1	GRO95/8021		6/15/2017	TCC	1
1,3,5-Trimethylbenzene	< 0.025	mg/kg	0.011	0.036	1	GRO95/8021		6/15/2017	TCC	1
m&p-Xylene	< 0.05	mg/kg	0.012	0.037	1	GRO95/8021		6/15/2017	TCC	1
o-Xylene	< 0.025	mg/kg	0.015	0.047	1	GRO95/8021		6/15/2017	TCC	1

Lab Code 5033032I
Sample ID MW-3-12
Sample Matrix Soil
Sample Date 6/1/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	90.3	%			1	5021		6/6/2017	NJC	1
Organic										
PVOC + Naphthalene										
Benzene	< 0.025	mg/kg	0.019	0.06	1	GRO95/8021		6/15/2017	TCC	1
Ethylbenzene	< 0.025	mg/kg	0.01	0.032	1	GRO95/8021		6/15/2017	TCC	1
Methyl tert-butyl ether (MTBE)	< 0.025	mg/kg	0.0079	0.025	1	GRO95/8021		6/15/2017	TCC	1
Naphthalene	< 0.025	mg/kg	0.022	0.07	1	GRO95/8021		6/15/2017	TCC	1
Toluene	< 0.025	mg/kg	0.014	0.046	1	GRO95/8021		6/15/2017	TCC	1
1,2,4-Trimethylbenzene	< 0.025	mg/kg	0.01	0.032	1	GRO95/8021		6/15/2017	TCC	1
1,3,5-Trimethylbenzene	< 0.025	mg/kg	0.011	0.036	1	GRO95/8021		6/15/2017	TCC	1
m&p-Xylene	< 0.05	mg/kg	0.012	0.037	1	GRO95/8021		6/15/2017	TCC	1
o-Xylene	< 0.025	mg/kg	0.015	0.047	1	GRO95/8021		6/15/2017	TCC	1

Project Name PIZZA PLACE RESTAURANT/TURTLE **Invoice #** E33032
Project #

Lab Code 5033032J
Sample ID MW-4-1
Sample Matrix Soil
Sample Date 6/1/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	89.5	%			1	5021		6/6/2017	NJC	I
Organic										
PVOC + Naphthalene										
Benzene	< 0.025	mg/kg	0.019	0.06	1	GRO95/8021		6/16/2017	TCC	I
Ethylbenzene	< 0.025	mg/kg	0.01	0.032	1	GRO95/8021		6/16/2017	TCC	I
Methyl tert-butyl ether (MTBE)	< 0.025	mg/kg	0.0079	0.025	1	GRO95/8021		6/16/2017	TCC	I
Naphthalene	< 0.025	mg/kg	0.022	0.07	1	GRO95/8021		6/16/2017	TCC	I
Toluene	< 0.025	mg/kg	0.014	0.046	1	GRO95/8021		6/16/2017	TCC	I
1,2,4-Trimethylbenzene	< 0.025	mg/kg	0.01	0.032	1	GRO95/8021		6/16/2017	TCC	I
1,3,5-Trimethylbenzene	< 0.025	mg/kg	0.011	0.036	1	GRO95/8021		6/16/2017	TCC	I
m&p-Xylene	< 0.05	mg/kg	0.012	0.037	1	GRO95/8021		6/16/2017	TCC	I
o-Xylene	< 0.025	mg/kg	0.015	0.047	1	GRO95/8021		6/16/2017	TCC	I

Lab Code 5033032K
Sample ID MW-4-6
Sample Matrix Soil
Sample Date 6/1/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	92.2	%			1	5021		6/6/2017	NJC	I
Organic										
PVOC + Naphthalene										
Benzene	< 0.025	mg/kg	0.019	0.06	1	GRO95/8021		6/15/2017	TCC	I
Ethylbenzene	< 0.025	mg/kg	0.01	0.032	1	GRO95/8021		6/15/2017	TCC	I
Methyl tert-butyl ether (MTBE)	< 0.025	mg/kg	0.0079	0.025	1	GRO95/8021		6/15/2017	TCC	I
Naphthalene	< 0.025	mg/kg	0.022	0.07	1	GRO95/8021		6/15/2017	TCC	I
Toluene	< 0.025	mg/kg	0.014	0.046	1	GRO95/8021		6/15/2017	TCC	I
1,2,4-Trimethylbenzene	< 0.025	mg/kg	0.01	0.032	1	GRO95/8021		6/15/2017	TCC	I
1,3,5-Trimethylbenzene	< 0.025	mg/kg	0.011	0.036	1	GRO95/8021		6/15/2017	TCC	I
m&p-Xylene	< 0.05	mg/kg	0.012	0.037	1	GRO95/8021		6/15/2017	TCC	I
o-Xylene	< 0.025	mg/kg	0.015	0.047	1	GRO95/8021		6/15/2017	TCC	I

Project Name PIZZA PLACE RESTAURANT/TURTLE **Invoice #** E33032
Project #

Lab Code 5033032L
Sample ID MW-4-12
Sample Matrix Soil
Sample Date 6/2/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	89.6	%			1	5021		6/6/2017	NJC	1
Organic										
PVOC + Naphthalene										
Benzene	< 0.025	mg/kg	0.019	0.06	1	GRO95/8021		6/15/2017	TCC	1
Ethylbenzene	< 0.025	mg/kg	0.01	0.032	1	GRO95/8021		6/15/2017	TCC	1
Methyl tert-butyl ether (MTBE)	< 0.025	mg/kg	0.0079	0.025	1	GRO95/8021		6/15/2017	TCC	1
Naphthalene	< 0.025	mg/kg	0.022	0.07	1	GRO95/8021		6/15/2017	TCC	1
Toluene	< 0.025	mg/kg	0.014	0.046	1	GRO95/8021		6/15/2017	TCC	1
1,2,4-Trimethylbenzene	< 0.025	mg/kg	0.01	0.032	1	GRO95/8021		6/15/2017	TCC	1
1,3,5-Trimethylbenzene	< 0.025	mg/kg	0.011	0.036	1	GRO95/8021		6/15/2017	TCC	1
m&p-Xylene	< 0.05	mg/kg	0.012	0.037	1	GRO95/8021		6/15/2017	TCC	1
o-Xylene	< 0.025	mg/kg	0.015	0.047	1	GRO95/8021		6/15/2017	TCC	1

Lab Code 5033032M
Sample ID MEOH BLK
Sample Matrix Soil
Sample Date 6/2/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	< 0.025	mg/kg	0.019	0.06	1	GRO95/8021		6/14/2017	TCC	1
Ethylbenzene	< 0.025	mg/kg	0.01	0.032	1	GRO95/8021		6/14/2017	TCC	1
Methyl tert-butyl ether (MTBE)	< 0.025	mg/kg	0.0079	0.025	1	GRO95/8021		6/14/2017	TCC	1
Naphthalene	< 0.025	mg/kg	0.022	0.07	1	GRO95/8021		6/14/2017	TCC	1
Toluene	< 0.025	mg/kg	0.014	0.046	1	GRO95/8021		6/14/2017	TCC	1
1,2,4-Trimethylbenzene	< 0.025	mg/kg	0.01	0.032	1	GRO95/8021		6/14/2017	TCC	1
1,3,5-Trimethylbenzene	< 0.025	mg/kg	0.011	0.036	1	GRO95/8021		6/14/2017	TCC	1
m&p-Xylene	< 0.05	mg/kg	0.012	0.037	1	GRO95/8021		6/14/2017	TCC	1
o-Xylene	< 0.025	mg/kg	0.015	0.047	1	GRO95/8021		6/14/2017	TCC	1

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

Code	*Comment*
1	Laboratory QC within limits.

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

Authorized Signature *Michael Ricker*

CHAIN OF CUSTODY RECORD

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

Chain # № 3120

Page 1 of 2

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

Lab I.D. #
Account No. : **Quote No.:**
Project #:
Sampler: (signature) Matthew C Nebbia

Project (Name / Location): Pizza Place Restaurant / Turtle Lake, WI

Reports To: Douglas Petum c/o Janet Dierckx	Invoice To: Douglas Petum c/o Janet Dierckx
Company	Company c/o METCO
Address 611 E. Brockin St.	Address 709 Gillette St, Ste 3
City State Zip Rice Lake, WI 54868	City State Zip La Crosse, WI 54603
Phone 715-736-1981	Phone 608-781-8879
FAX	FAX

Lab I.D.	Sample I.D.	Collection Date	Collection Time	Comp	Grab	Filtered Y/N	No. of Containers	Sample Type (Matrix)*	Preservation	DRO (Mod DRO Sep 95)	GRO (Mod GRO Sep 95)	LEAD	NITRATE/NITRITE	OIL & GREASE	PAH (EPA 8270)	PCB	PVOC (EPA 8021)	PVOC + NAPHTHALENE	SULFATE	TOTAL SUSPENDED SOLIDS	VOC DW (EPA 542.2)	VOC (EPA 8260)	8-RCRA METALS	PID/FID
583302-A	MW-1-1	5/30	9:45		x	N	1	S	MeOH									x						
B	MW-1-8	5/30	11:10																					
C	MW-1-12	5/30	12:00																					
D	MW-3-1	5/30	4:15																					
E	MW-2-1	5/31	8:35																					
F	MW-2-6	5/31	9:30																					
G	MW-2-17	5/31	1:45																					
H	MW-3-6	6/1	9:25																					
I	MW-3-12	6/1	11:05																					
J	MW-4-1	6/1	3:55																					

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

Lab to send copy of Report to METCO / Jason R (Invoice to METCO)

UIC Rates
Agent Status

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

Relinquished By: (sign)	Time	Date	Received By: (sign)	Time	Date
Matthew C Nebbia	8:30am	6/5/17			

Received in Laboratory By: [signature] Time: 8:00 Date: 6/6/17

CHAIN OF CUSTODY RECORD

Synergy Environmental Lab, Inc.

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

Chain # No 312

Page 2 of 2

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

Lab I.D. #

Account No. : | **Quote No.:**

Project #:

Sampler: (signature) Matthew C Noble

Project (Name / Location): Pizza Place Restaurant / Turtle Lake, WI

Reports To: Douglas Potvin c/o Janet Dierckx	Invoice To: Douglas Potvin c/o Janet Dierckx
Company	Company c/o METCO
Address 611 E. Brockway St	Address 709 Colletta St. Ste 3
City State Zip Rice Lake, WI 54868	City State Zip La Crosse, WI 54603
Phone 715-736-1981	Phone 608-781-8871
FAX	FAX

Analysis Requested | **Other Analysis**

Lab I.D.	Sample I.D.	Collection Date	Collection Time	Comp	Grab	Filtered Y/N	No. of Containers	Sample Type (Matrix)*	Preservation	DRO (Mod DRO Sep 95)	GRO (Mod GRO Sep 95)	LEAD	NITRATE/NITRITE	OIL & GREASE	PAH (EPA 8270)	PCB	PVOC (EPA 8021)	PVOC + NAPHTHALENE	SULFATE	TOTAL SUSPENDED SOLIDS	VOC DW (EPA 542.2)	VOC (EPA 8260)	8-RCRA METALS	PID/FID
5033032-K	MW-4-6	6/1	1045		X	N	1	S	MeOH									X						
L	MW-4-12	6/1	1005		X	N	1	S	MeOH									X						
M	MeOH Blank						1											X						

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

Lab to send copy of Report to METCO / Jean R. (Invoice to METCO)

USC Rates
Agent Status

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

Relinquished By: (sign)	Time	Date	Received By: (sign)	Time	Date
Matthew C Noble	8:30 am	6/5/17			

Received in Laboratory By: [signature] Time: 8:00 Date: 6/6/17

Synergy Environmental Lab,

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

DOUGLAS POTVIN
DOUGLAS POTVIN
611 E. BRACKLIN STREET
RICE LAKE, WI 54868

Report Date *23-Jun-17*

Project Name PIZZA PLACE RESTAURANT / TURTL **Invoice #** E33054
Project #

Lab Code 5033054A
Sample ID MW-4
Sample Matrix Water
Sample Date 6/7/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Inorganic										
Metals										
Iron, Dissolved	0.04 "J"	mg/l	0.03	0.1	1	200.7		6/13/2017	CWT	1
Lead, Dissolved	< 0.9	ug/L	0.9	3	1	7421		6/13/2017	CWT	1
Manganese, Dissolved	850	ug/L	4.2	13.8	1	200.7		6/13/2017	CWT	1
Organic										
PAH SIM										
Acenaphthene	< 0.016	ug/l	0.016	0.05	1	M8270C	6/12/2017	6/12/2017	NJC	1
Acenaphthylene	< 0.019	ug/l	0.019	0.061	1	M8270C	6/12/2017	6/12/2017	NJC	1
Anthracene	< 0.019	ug/l	0.019	0.062	1	M8270C	6/12/2017	6/12/2017	NJC	1
Benzo(a)anthracene	< 0.017	ug/l	0.017	0.054	1	M8270C	6/12/2017	6/12/2017	NJC	1
Benzo(a)pyrene	< 0.02	ug/l	0.02	0.065	1	M8270C	6/12/2017	6/12/2017	NJC	1
Benzo(b)fluoranthene	< 0.018	ug/l	0.018	0.058	1	M8270C	6/12/2017	6/12/2017	NJC	1
Benzo(g,h,i)perylene	< 0.025	ug/l	0.025	0.081	1	M8270C	6/12/2017	6/12/2017	NJC	1
Benzo(k)fluoranthene	< 0.016	ug/l	0.016	0.05	1	M8270C	6/12/2017	6/12/2017	NJC	1
Chrysene	< 0.02	ug/l	0.02	0.065	1	M8270C	6/12/2017	6/12/2017	NJC	1
Dibenzo(a,h)anthracene	< 0.025	ug/l	0.025	0.078	1	M8270C	6/12/2017	6/12/2017	NJC	1
Fluoranthene	< 0.017	ug/l	0.017	0.053	1	M8270C	6/12/2017	6/12/2017	NJC	1
Fluorene	< 0.021	ug/l	0.021	0.066	1	M8270C	6/12/2017	6/12/2017	NJC	1
Indeno(1,2,3-cd)pyrene	< 0.023	ug/l	0.023	0.074	1	M8270C	6/12/2017	6/12/2017	NJC	1
1-Methyl naphthalene	0.137	ug/l	0.024	0.076	1	M8270C	6/12/2017	6/12/2017	NJC	1
2-Methyl naphthalene	0.19	ug/l	0.024	0.075	1	M8270C	6/12/2017	6/12/2017	NJC	1
Naphthalene	0.32	ug/l	0.025	0.081	1	M8270C	6/12/2017	6/12/2017	NJC	1
Phenanthrene	0.053 "J"	ug/l	0.025	0.081	1	M8270C	6/12/2017	6/12/2017	NJC	1
Pyrene	< 0.02	ug/l	0.02	0.063	1	M8270C	6/12/2017	6/12/2017	NJC	1
VOC's										
Benzene	< 0.17	ug/l	0.17	0.55	1	8260B		6/14/2017	CJR	1
Bromobenzene	< 0.43	ug/l	0.43	1.37	1	8260B		6/14/2017	CJR	1
Bromodichloromethane	< 0.31	ug/l	0.31	1	1	8260B		6/14/2017	CJR	1
Bromoform	< 0.49	ug/l	0.49	1.56	1	8260B		6/14/2017	CJR	1

Project Name PIZZA PLACE RESTAURANT / TURTL **Invoice #** E33054
Project #

Lab Code 5033054A
Sample ID MW-4
Sample Matrix Water
Sample Date 6/7/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
tert-Butylbenzene	< 0.39	ug/l	0.39	1.23	1	8260B		6/14/2017	CJR	1
sec-Butylbenzene	< 0.24	ug/l	0.24	0.76	1	8260B		6/14/2017	CJR	1
n-Butylbenzene	< 0.34	ug/l	0.34	1.08	1	8260B		6/14/2017	CJR	1
Carbon Tetrachloride	< 0.21	ug/l	0.21	0.68	1	8260B		6/14/2017	CJR	1
Chlorobenzene	< 0.27	ug/l	0.27	0.86	1	8260B		6/14/2017	CJR	1
Chloroethane	< 0.5	ug/l	0.5	1.6	1	8260B		6/14/2017	CJR	1
Chloroform	< 0.96	ug/l	0.96	3.04	1	8260B		6/14/2017	CJR	1
Chloromethane	< 1.3	ug/l	1.3	4.15	1	8260B		6/14/2017	CJR	1
2-Chlorotoluene	< 0.36	ug/l	0.36	1.15	1	8260B		6/14/2017	CJR	1
4-Chlorotoluene	< 0.35	ug/l	0.35	1.11	1	8260B		6/14/2017	CJR	1
1,2-Dibromo-3-chloropropane	< 1.88	ug/l	1.88	5.98	1	8260B		6/14/2017	CJR	1
Dibromochloromethane	< 0.45	ug/l	0.45	1.44	1	8260B		6/14/2017	CJR	1
1,4-Dichlorobenzene	< 0.42	ug/l	0.42	1.34	1	8260B		6/14/2017	CJR	1
1,3-Dichlorobenzene	< 0.45	ug/l	0.45	1.43	1	8260B		6/14/2017	CJR	1
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.09	1	8260B		6/14/2017	CJR	1
Dichlorodifluoromethane	< 0.38	ug/l	0.38	1.2	1	8260B		6/14/2017	CJR	1
1,2-Dichloroethane	< 0.45	ug/l	0.45	1.43	1	8260B		6/14/2017	CJR	1
1,1-Dichloroethane	< 0.42	ug/l	0.42	1.34	1	8260B		6/14/2017	CJR	1
1,1-Dichloroethene	< 0.46	ug/l	0.46	1.47	1	8260B		6/14/2017	CJR	1
cis-1,2-Dichloroethene	< 0.41	ug/l	0.41	1.29	1	8260B		6/14/2017	CJR	1
trans-1,2-Dichloroethene	< 0.35	ug/l	0.35	1.12	1	8260B		6/14/2017	CJR	1
1,2-Dichloropropane	< 0.39	ug/l	0.39	1.24	1	8260B		6/14/2017	CJR	1
1,3-Dichloropropane	< 0.49	ug/l	0.49	1.55	1	8260B		6/14/2017	CJR	1
trans-1,3-Dichloropropene	< 0.42	ug/l	0.42	1.33	1	8260B		6/14/2017	CJR	1
cis-1,3-Dichloropropene	< 0.21	ug/l	0.21	0.65	1	8260B		6/14/2017	CJR	1
Di-isopropyl ether	< 0.26	ug/l	0.26	0.83	1	8260B		6/14/2017	CJR	1
EDB (1,2-Dibromoethane)	< 0.34	ug/l	0.34	1.09	1	8260B		6/14/2017	CJR	1
Ethylbenzene	0.50 "J"	ug/l	0.2	0.63	1	8260B		6/14/2017	CJR	1
Hexachlorobutadiene	< 1.47	ug/l	1.47	4.68	1	8260B		6/14/2017	CJR	1
Isopropylbenzene	< 0.29	ug/l	0.29	0.93	1	8260B		6/14/2017	CJR	1
p-Isopropyltoluene	< 0.28	ug/l	0.28	0.91	1	8260B		6/14/2017	CJR	1
Methylene chloride	< 0.94	ug/l	0.94	2.98	1	8260B		6/14/2017	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.82	ug/l	0.82	2.6	1	8260B		6/14/2017	CJR	1
Naphthalene	< 2.17	ug/l	2.17	6.9	1	8260B		6/14/2017	CJR	1
n-Propylbenzene	0.30 "J"	ug/l	0.19	0.62	1	8260B		6/14/2017	CJR	1
1,1,2,2-Tetrachloroethane	< 0.69	ug/l	0.69	2.21	1	8260B		6/14/2017	CJR	1
1,1,1,2-Tetrachloroethane	< 0.47	ug/l	0.47	1.48	1	8260B		6/14/2017	CJR	1
Tetrachloroethene	< 0.48	ug/l	0.48	1.52	1	8260B		6/14/2017	CJR	1
Toluene	< 0.67	ug/l	0.67	2.13	1	8260B		6/14/2017	CJR	1
1,2,4-Trichlorobenzene	< 1.29	ug/l	1.29	4.1	1	8260B		6/14/2017	CJR	1
1,2,3-Trichlorobenzene	< 0.83	ug/l	0.83	2.63	1	8260B		6/14/2017	CJR	1
1,1,1-Trichloroethane	< 0.35	ug/l	0.35	1.11	1	8260B		6/14/2017	CJR	1
1,1,2-Trichloroethane	< 0.65	ug/l	0.65	2.06	1	8260B		6/14/2017	CJR	1
Trichloroethene (TCE)	< 0.45	ug/l	0.45	1.43	1	8260B		6/14/2017	CJR	1
Trichlorofluoromethane	< 0.64	ug/l	0.64	2.04	1	8260B		6/14/2017	CJR	1
1,2,4-Trimethylbenzene	1.76 "J"	ug/l	1.14	3.63	1	8260B		6/14/2017	CJR	1
1,3,5-Trimethylbenzene	< 0.91	ug/l	0.91	2.9	1	8260B		6/14/2017	CJR	1
Vinyl Chloride	< 0.19	ug/l	0.19	0.62	1	8260B		6/14/2017	CJR	1
m&p-Xylene	1.86 "J"	ug/l	1.56	4.95	1	8260B		6/14/2017	CJR	1
o-Xylene	0.92 "J"	ug/l	0.39	1.25	1	8260B		6/14/2017	CJR	1
SUR - Toluene-d8	101	REC %			1	8260B		6/14/2017	CJR	1
SUR - Dibromofluoromethane	97	REC %			1	8260B		6/14/2017	CJR	1

Project Name PIZZA PLACE RESTAURANT / TURTL **Invoice #** E33054
Project #

Lab Code 5033054A
Sample ID MW-4
Sample Matrix Water
Sample Date 6/7/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
SUR - 1,2-Dichloroethane-d4	103	REC %			1	8260B		6/14/2017	CJR	1
SUR - 4-Bromofluorobenzene	98	REC %			1	8260B		6/14/2017	CJR	1
Wet Chemistry										
General										
Nitrite Plus Nitrate, Dissolved	3.31	mg/l	0.17	0.53	1	353.2		6/20/2017	NJC	1
Sulfate, Filtered	15.3	mg/l	1.55	4.93	1	ASTM D516-		6/21/2017	NJC	1

Project Name PIZZA PLACE RESTAURANT / TURTL **Invoice #** E33054
Project #

Lab Code 5033054B
Sample ID MW-3
Sample Matrix Water
Sample Date 6/7/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Inorganic										
Metals										
Iron, Dissolved	< 0.03	mg/l	0.03	0.1	1	200.7		6/13/2017	CWT	1
Lead, Dissolved	< 0.9	ug/L	0.9	3	1	7421		6/13/2017	CWT	1
Manganese, Dissolved	510	ug/L	4.2	13.8	1	200.7		6/13/2017	CWT	1
Organic										
PAH SIM										
Acenaphthene	< 0.016	ug/l	0.016	0.05	1	M8270C	6/12/2017	6/12/2017	NJC	1
Acenaphthylene	< 0.019	ug/l	0.019	0.061	1	M8270C	6/12/2017	6/12/2017	NJC	1
Anthracene	< 0.019	ug/l	0.019	0.062	1	M8270C	6/12/2017	6/12/2017	NJC	1
Benzo(a)anthracene	< 0.017	ug/l	0.017	0.054	1	M8270C	6/12/2017	6/12/2017	NJC	1
Benzo(a)pyrene	< 0.02	ug/l	0.02	0.065	1	M8270C	6/12/2017	6/12/2017	NJC	1
Benzo(b)fluoranthene	< 0.018	ug/l	0.018	0.058	1	M8270C	6/12/2017	6/12/2017	NJC	1
Benzo(g,h,i)perylene	< 0.025	ug/l	0.025	0.081	1	M8270C	6/12/2017	6/12/2017	NJC	1
Benzo(k)fluoranthene	< 0.016	ug/l	0.016	0.05	1	M8270C	6/12/2017	6/12/2017	NJC	1
Chrysene	< 0.02	ug/l	0.02	0.065	1	M8270C	6/12/2017	6/12/2017	NJC	1
Dibenzo(a,h)anthracene	< 0.025	ug/l	0.025	0.078	1	M8270C	6/12/2017	6/12/2017	NJC	1
Fluoranthene	< 0.017	ug/l	0.017	0.053	1	M8270C	6/12/2017	6/12/2017	NJC	1
Fluorene	< 0.021	ug/l	0.021	0.066	1	M8270C	6/12/2017	6/12/2017	NJC	1
Indeno(1,2,3-cd)pyrene	< 0.023	ug/l	0.023	0.074	1	M8270C	6/12/2017	6/12/2017	NJC	1
1-Methyl naphthalene	0.076 "J"	ug/l	0.024	0.076	1	M8270C	6/12/2017	6/12/2017	NJC	1
2-Methyl naphthalene	0.082	ug/l	0.024	0.075	1	M8270C	6/12/2017	6/12/2017	NJC	1
Naphthalene	0.151	ug/l	0.025	0.081	1	M8270C	6/12/2017	6/12/2017	NJC	1
Phenanthrene	0.036 "J"	ug/l	0.025	0.081	1	M8270C	6/12/2017	6/12/2017	NJC	1
Pyrene	< 0.02	ug/l	0.02	0.063	1	M8270C	6/12/2017	6/12/2017	NJC	1
VOC's										
Benzene	< 0.17	ug/l	0.17	0.55	1	8260B		6/14/2017	CJR	1
Bromobenzene	< 0.43	ug/l	0.43	1.37	1	8260B		6/14/2017	CJR	1
Bromodichloromethane	< 0.31	ug/l	0.31	1	1	8260B		6/14/2017	CJR	1
Bromoform	< 0.49	ug/l	0.49	1.56	1	8260B		6/14/2017	CJR	1
tert-Butylbenzene	< 0.39	ug/l	0.39	1.23	1	8260B		6/14/2017	CJR	1
sec-Butylbenzene	< 0.24	ug/l	0.24	0.76	1	8260B		6/14/2017	CJR	1
n-Butylbenzene	< 0.34	ug/l	0.34	1.08	1	8260B		6/14/2017	CJR	1
Carbon Tetrachloride	< 0.21	ug/l	0.21	0.68	1	8260B		6/14/2017	CJR	1
Chlorobenzene	< 0.27	ug/l	0.27	0.86	1	8260B		6/14/2017	CJR	1
Chloroethane	< 0.5	ug/l	0.5	1.6	1	8260B		6/14/2017	CJR	1
Chloroform	< 0.96	ug/l	0.96	3.04	1	8260B		6/14/2017	CJR	1
Chloromethane	< 1.3	ug/l	1.3	4.15	1	8260B		6/14/2017	CJR	1
2-Chlorotoluene	< 0.36	ug/l	0.36	1.15	1	8260B		6/14/2017	CJR	1
4-Chlorotoluene	< 0.35	ug/l	0.35	1.11	1	8260B		6/14/2017	CJR	1
1,2-Dibromo-3-chloropropane	< 1.88	ug/l	1.88	5.98	1	8260B		6/14/2017	CJR	1
Dibromochloromethane	< 0.45	ug/l	0.45	1.44	1	8260B		6/14/2017	CJR	1
1,4-Dichlorobenzene	< 0.42	ug/l	0.42	1.34	1	8260B		6/14/2017	CJR	1
1,3-Dichlorobenzene	< 0.45	ug/l	0.45	1.43	1	8260B		6/14/2017	CJR	1
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.09	1	8260B		6/14/2017	CJR	1
Dichlorodifluoromethane	< 0.38	ug/l	0.38	1.2	1	8260B		6/14/2017	CJR	1
1,2-Dichloroethane	< 0.45	ug/l	0.45	1.43	1	8260B		6/14/2017	CJR	1
1,1-Dichloroethane	< 0.42	ug/l	0.42	1.34	1	8260B		6/14/2017	CJR	1
1,1-Dichloroethene	< 0.46	ug/l	0.46	1.47	1	8260B		6/14/2017	CJR	1
cis-1,2-Dichloroethene	< 0.41	ug/l	0.41	1.29	1	8260B		6/14/2017	CJR	1
trans-1,2-Dichloroethene	< 0.35	ug/l	0.35	1.12	1	8260B		6/14/2017	CJR	1

Project Name PIZZA PLACE RESTAURANT / TURTL **Invoice #** E33054
Project #

Lab Code 5033054B
Sample ID MW-3
Sample Matrix Water
Sample Date 6/7/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
1,2-Dichloropropane	< 0.39	ug/l	0.39	1.24	1	8260B		6/14/2017	CJR	1
1,3-Dichloropropane	< 0.49	ug/l	0.49	1.55	1	8260B		6/14/2017	CJR	1
trans-1,3-Dichloropropene	< 0.42	ug/l	0.42	1.33	1	8260B		6/14/2017	CJR	1
cis-1,3-Dichloropropene	< 0.21	ug/l	0.21	0.65	1	8260B		6/14/2017	CJR	1
Di-isopropyl ether	< 0.26	ug/l	0.26	0.83	1	8260B		6/14/2017	CJR	1
EDB (1,2-Dibromoethane)	< 0.34	ug/l	0.34	1.09	1	8260B		6/14/2017	CJR	1
Ethylbenzene	0.24 "J"	ug/l	0.2	0.63	1	8260B		6/14/2017	CJR	1
Hexachlorobutadiene	< 1.47	ug/l	1.47	4.68	1	8260B		6/14/2017	CJR	1
Isopropylbenzene	< 0.29	ug/l	0.29	0.93	1	8260B		6/14/2017	CJR	1
p-Isopropyltoluene	< 0.28	ug/l	0.28	0.91	1	8260B		6/14/2017	CJR	1
Methylene chloride	< 0.94	ug/l	0.94	2.98	1	8260B		6/14/2017	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.82	ug/l	0.82	2.6	1	8260B		6/14/2017	CJR	1
Naphthalene	< 2.17	ug/l	2.17	6.9	1	8260B		6/14/2017	CJR	1
n-Propylbenzene	< 0.19	ug/l	0.19	0.62	1	8260B		6/14/2017	CJR	1
1,1,2,2-Tetrachloroethane	< 0.69	ug/l	0.69	2.21	1	8260B		6/14/2017	CJR	1
1,1,1,2-Tetrachloroethane	< 0.47	ug/l	0.47	1.48	1	8260B		6/14/2017	CJR	1
Tetrachloroethene	< 0.48	ug/l	0.48	1.52	1	8260B		6/14/2017	CJR	1
Toluene	< 0.67	ug/l	0.67	2.13	1	8260B		6/14/2017	CJR	1
1,2,4-Trichlorobenzene	< 1.29	ug/l	1.29	4.1	1	8260B		6/14/2017	CJR	1
1,2,3-Trichlorobenzene	< 0.83	ug/l	0.83	2.63	1	8260B		6/14/2017	CJR	1
1,1,1-Trichloroethane	< 0.35	ug/l	0.35	1.11	1	8260B		6/14/2017	CJR	1
1,1,2-Trichloroethane	< 0.65	ug/l	0.65	2.06	1	8260B		6/14/2017	CJR	1
Trichloroethene (TCE)	< 0.45	ug/l	0.45	1.43	1	8260B		6/14/2017	CJR	1
Trichlorofluoromethane	< 0.64	ug/l	0.64	2.04	1	8260B		6/14/2017	CJR	1
1,2,4-Trimethylbenzene	< 1.14	ug/l	1.14	3.63	1	8260B		6/14/2017	CJR	1
1,3,5-Trimethylbenzene	< 0.91	ug/l	0.91	2.9	1	8260B		6/14/2017	CJR	1
Vinyl Chloride	< 0.19	ug/l	0.19	0.62	1	8260B		6/14/2017	CJR	1
m&p-Xylene	< 1.56	ug/l	1.56	4.95	1	8260B		6/14/2017	CJR	1
o-Xylene	0.43 "J"	ug/l	0.39	1.25	1	8260B		6/14/2017	CJR	1
SUR - 1,2-Dichloroethane-d4	104	REC %			1	8260B		6/14/2017	CJR	1
SUR - 4-Bromofluorobenzene	100	REC %			1	8260B		6/14/2017	CJR	1
SUR - Dibromofluoromethane	96	REC %			1	8260B		6/14/2017	CJR	1
SUR - Toluene-d8	101	REC %			1	8260B		6/14/2017	CJR	1
Wet Chemistry										
General										
Nitrite Plus Nitrate, Dissolved	1.68	mg/l	0.17	0.53	1	353.2		6/20/2017	NJC	1
Sulfate, Filtered	11.4	mg/l	1.55	4.93	1	ASTM D516-		6/21/2017	NJC	1

Project Name PIZZA PLACE RESTAURANT / TURTL **Invoice #** E33054
Project #

Lab Code 5033054C
Sample ID PZ-13
Sample Matrix Water
Sample Date 6/7/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Inorganic										
Metals										
Lead, Dissolved	< 0.9	ug/L	0.9	3	1	7421		6/13/2017	CWT	1
Organic										
PVOC + Naphthalene										
Benzene	< 0.17	ug/l	0.17	0.55	1	8260B		6/14/2017	CJR	1
Ethylbenzene	< 0.2	ug/l	0.2	0.63	1	8260B		6/14/2017	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.82	ug/l	0.82	2.6	1	8260B		6/14/2017	CJR	1
Naphthalene	< 2.17	ug/l	2.17	6.9	1	8260B		6/14/2017	CJR	1
Toluene	< 0.67	ug/l	0.67	2.13	1	8260B		6/14/2017	CJR	1
1,2,4-Trimethylbenzene	< 1.14	ug/l	1.14	3.63	1	8260B		6/14/2017	CJR	1
1,3,5-Trimethylbenzene	< 0.91	ug/l	0.91	2.9	1	8260B		6/14/2017	CJR	1
m&p-Xylene	< 1.56	ug/l	1.56	4.95	1	8260B		6/14/2017	CJR	1
o-Xylene	< 0.39	ug/l	0.39	1.25	1	8260B		6/14/2017	CJR	1

Lab Code 5033054D
Sample ID PZ-14
Sample Matrix Water
Sample Date 6/7/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Inorganic										
Metals										
Lead, Dissolved	1.6 "J"	ug/L	0.9	3	1	7421		6/13/2017	CWT	1
Organic										
PVOC + Naphthalene										
Benzene	4400	ug/l	8.5	27.5	50	8260B		6/16/2017	CJR	1
Ethylbenzene	2960	ug/l	10	31.5	50	8260B		6/16/2017	CJR	1
Methyl tert-butyl ether (MTBE)	< 41	ug/l	41	130	50	8260B		6/16/2017	CJR	1
Naphthalene	640	ug/l	108.5	345	50	8260B		6/16/2017	CJR	1
Toluene	6100	ug/l	33.5	106.5	50	8260B		6/16/2017	CJR	1
1,2,4-Trimethylbenzene	2570	ug/l	57	181.5	50	8260B		6/16/2017	CJR	1
1,3,5-Trimethylbenzene	640	ug/l	45.5	145	50	8260B		6/16/2017	CJR	1
m&p-Xylene	10900	ug/l	78	247.5	50	8260B		6/16/2017	CJR	1
o-Xylene	4900	ug/l	19.5	62.5	50	8260B		6/16/2017	CJR	1

Project Name PIZZA PLACE RESTAURANT / TURTL **Invoice #** E33054
Project #

Lab Code 5033054E
Sample ID MW-1
Sample Matrix Water
Sample Date 6/7/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Inorganic										
Metals										
Iron, Dissolved	0.58 "J"	mg/l	0.03	0.1	1	200.7		6/13/2017	CWT	I
Lead, Dissolved	1.6 "J"	ug/L	0.9	3	1	7421		6/13/2017	CWT	I
Manganese, Dissolved	3440	ug/L	4.2	13.8	1	200.7		6/13/2017	CWT	I
Organic										
PAH SIM										
Acenaphthene	< 0.80	ug/l	0.8	2.5	50	M8270C	6/12/2017	6/13/2017	NJC	I
Acenaphthylene	< 0.95	ug/l	0.95	3.05	50	M8270C	6/12/2017	6/13/2017	NJC	I
Anthracene	< 0.95	ug/l	0.95	3.1	50	M8270C	6/12/2017	6/13/2017	NJC	I
Benzo(a)anthracene	< 0.85	ug/l	0.85	2.7	50	M8270C	6/12/2017	6/13/2017	NJC	I
Benzo(a)pyrene	< 1.00	ug/l	1	3.25	50	M8270C	6/12/2017	6/13/2017	NJC	I
Benzo(b)fluoranthene	< 0.90	ug/l	0.9	2.9	50	M8270C	6/12/2017	6/13/2017	NJC	I
Benzo(g,h,i)perylene	< 1.25	ug/l	1.25	4.05	50	M8270C	6/12/2017	6/13/2017	NJC	I
Benzo(k)fluoranthene	< 0.80	ug/l	0.8	2.5	50	M8270C	6/12/2017	6/13/2017	NJC	I
Chrysene	< 1.00	ug/l	1	3.25	50	M8270C	6/12/2017	6/13/2017	NJC	I
Dibenzo(a,h)anthracene	< 1.25	ug/l	1.25	3.9	50	M8270C	6/12/2017	6/13/2017	NJC	I
Fluoranthene	< 0.85	ug/l	0.85	2.65	50	M8270C	6/12/2017	6/13/2017	NJC	I
Fluorene	< 1.05	ug/l	1.05	3.3	50	M8270C	6/12/2017	6/13/2017	NJC	I
Indeno(1,2,3-cd)pyrene	< 1.15	ug/l	1.15	3.7	50	M8270C	6/12/2017	6/13/2017	NJC	I
1-Methyl naphthalene	48.0	ug/l	1.2	3.8	50	M8270C	6/12/2017	6/13/2017	NJC	I
2-Methyl naphthalene	82.0	ug/l	1.2	3.75	50	M8270C	6/12/2017	6/13/2017	NJC	I
Naphthalene	196	ug/l	1.25	4.05	50	M8270C	6/12/2017	6/13/2017	NJC	I
Phenanthrene	< 1.25	ug/l	1.25	4.05	50	M8270C	6/12/2017	6/13/2017	NJC	I
Pyrene	< 1.00	ug/l	1	3.15	50	M8270C	6/12/2017	6/13/2017	NJC	I
VOC's										
Benzene	3400	ug/l	8.5	27.5	50	8260B		6/16/2017	CJR	I
Bromobenzene	< 21.5	ug/l	21.5	68.5	50	8260B		6/16/2017	CJR	I
Bromodichloromethane	< 15.5	ug/l	15.5	50	50	8260B		6/16/2017	CJR	I
Bromoform	< 24.5	ug/l	24.5	78	50	8260B		6/16/2017	CJR	I
tert-Butylbenzene	< 19.5	ug/l	19.5	61.5	50	8260B		6/16/2017	CJR	I
sec-Butylbenzene	< 12	ug/l	12	38	50	8260B		6/16/2017	CJR	I
n-Butylbenzene	38 "J"	ug/l	17	54	50	8260B		6/16/2017	CJR	I
Carbon Tetrachloride	< 10.5	ug/l	10.5	34	50	8260B		6/16/2017	CJR	I
Chlorobenzene	< 13.5	ug/l	13.5	43	50	8260B		6/16/2017	CJR	I
Chloroethane	< 25	ug/l	25	80	50	8260B		6/16/2017	CJR	I
Chloroform	< 48	ug/l	48	152	50	8260B		6/16/2017	CJR	I
Chloromethane	< 65	ug/l	65	207.5	50	8260B		6/16/2017	CJR	I
2-Chlorotoluene	< 18	ug/l	18	57.5	50	8260B		6/16/2017	CJR	I
4-Chlorotoluene	< 17.5	ug/l	17.5	55.5	50	8260B		6/16/2017	CJR	I
1,2-Dibromo-3-chloropropane	< 94	ug/l	94	299	50	8260B		6/16/2017	CJR	I
Dibromochloromethane	< 22.5	ug/l	22.5	72	50	8260B		6/16/2017	CJR	I
1,4-Dichlorobenzene	< 21	ug/l	21	67	50	8260B		6/16/2017	CJR	I
1,3-Dichlorobenzene	< 22.5	ug/l	22.5	71.5	50	8260B		6/16/2017	CJR	I
1,2-Dichlorobenzene	< 17	ug/l	17	54.5	50	8260B		6/16/2017	CJR	I
Dichlorodifluoromethane	< 19	ug/l	19	60	50	8260B		6/16/2017	CJR	I
1,2-Dichloroethane	< 22.5	ug/l	22.5	71.5	50	8260B		6/16/2017	CJR	I
1,1-Dichloroethane	< 21	ug/l	21	67	50	8260B		6/16/2017	CJR	I
1,1-Dichloroethene	< 23	ug/l	23	73.5	50	8260B		6/16/2017	CJR	I
cis-1,2-Dichloroethene	< 20.5	ug/l	20.5	64.5	50	8260B		6/16/2017	CJR	I
trans-1,2-Dichloroethene	< 17.5	ug/l	17.5	56	50	8260B		6/16/2017	CJR	I

Project Name PIZZA PLACE RESTAURANT / TURTL **Invoice #** E33054
Project #

Lab Code 5033054E
Sample ID MW-1
Sample Matrix Water
Sample Date 6/7/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
1,2-Dichloropropane	< 19.5	ug/l	19.5	62	50	8260B		6/16/2017	CJR	1
1,3-Dichloropropane	< 24.5	ug/l	24.5	77.5	50	8260B		6/16/2017	CJR	1
trans-1,3-Dichloropropene	< 21	ug/l	21	66.5	50	8260B		6/16/2017	CJR	1
cis-1,3-Dichloropropene	< 10.5	ug/l	10.5	32.5	50	8260B		6/16/2017	CJR	1
Di-isopropyl ether	< 13	ug/l	13	41.5	50	8260B		6/16/2017	CJR	1
EDB (1,2-Dibromoethane)	< 17	ug/l	17	54.5	50	8260B		6/16/2017	CJR	1
Ethylbenzene	1630	ug/l	10	31.5	50	8260B		6/16/2017	CJR	1
Hexachlorobutadiene	< 73.5	ug/l	73.5	234	50	8260B		6/16/2017	CJR	1
Isopropylbenzene	56	ug/l	14.5	46.5	50	8260B		6/16/2017	CJR	1
p-Isopropyltoluene	< 14	ug/l	14	45.5	50	8260B		6/16/2017	CJR	1
Methylene chloride	< 47	ug/l	47	149	50	8260B		6/16/2017	CJR	1
Methyl tert-butyl ether (MTBE)	< 41	ug/l	41	130	50	8260B		6/16/2017	CJR	1
Naphthalene	272 "J"	ug/l	108.5	345	50	8260B		6/16/2017	CJR	1
n-Propylbenzene	182	ug/l	9.5	31	50	8260B		6/16/2017	CJR	1
1,1,2,2-Tetrachloroethane	< 34.5	ug/l	34.5	110.5	50	8260B		6/16/2017	CJR	1
1,1,1,2-Tetrachloroethane	< 23.5	ug/l	23.5	74	50	8260B		6/16/2017	CJR	1
Tetrachloroethene	< 24	ug/l	24	76	50	8260B		6/16/2017	CJR	1
Toluene	2860	ug/l	33.5	106.5	50	8260B		6/16/2017	CJR	1
1,2,4-Trichlorobenzene	< 64.5	ug/l	64.5	205	50	8260B		6/16/2017	CJR	1
1,2,3-Trichlorobenzene	< 41.5	ug/l	41.5	131.5	50	8260B		6/16/2017	CJR	1
1,1,1-Trichloroethane	< 17.5	ug/l	17.5	55.5	50	8260B		6/16/2017	CJR	1
1,1,2-Trichloroethane	< 32.5	ug/l	32.5	103	50	8260B		6/16/2017	CJR	1
Trichloroethene (TCE)	< 22.5	ug/l	22.5	71.5	50	8260B		6/16/2017	CJR	1
Trichlorofluoromethane	< 32	ug/l	32	102	50	8260B		6/16/2017	CJR	1
1,2,4-Trimethylbenzene	1400	ug/l	57	181.5	50	8260B		6/16/2017	CJR	1
1,3,5-Trimethylbenzene	370	ug/l	45.5	145	50	8260B		6/16/2017	CJR	1
Vinyl Chloride	< 9.5	ug/l	9.5	31	50	8260B		6/16/2017	CJR	1
m&p-Xylene	5900	ug/l	78	247.5	50	8260B		6/16/2017	CJR	1
o-Xylene	2390	ug/l	19.5	62.5	50	8260B		6/16/2017	CJR	1
SUR - Dibromofluoromethane	100	REC %			50	8260B		6/16/2017	CJR	1
SUR - Toluene-d8	99	REC %			50	8260B		6/16/2017	CJR	1
SUR - 4-Bromofluorobenzene	103	REC %			50	8260B		6/16/2017	CJR	1
SUR - 1,2-Dichloroethane-d4	103	REC %			50	8260B		6/16/2017	CJR	1
Wet Chemistry										
General										
Nitrite Plus Nitrate, Dissolved	0.51 "J"	mg/l	0.17	0.53	1	353.2		6/20/2017	NJC	1
Sulfate, Filtered	7.12	mg/l	1.55	4.93	1	ASTM D516-		6/21/2017	NJC	1

Project Name PIZZA PLACE RESTAURANT / TURTL **Invoice #** E33054
Project #

Lab Code 5033054F
Sample ID MW-2
Sample Matrix Water
Sample Date 6/7/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Inorganic										
Metals										
Iron, Dissolved	0.18	mg/l	0.03	0.1	1	200.7		6/13/2017	CWT	I
Lead, Dissolved	40.1	ug/L	1.8	6	2	7421		6/13/2017	CWT	I
Manganese, Dissolved	6530	ug/L	4.2	13.8	1	200.7		6/13/2017	CWT	I
Organic										
PAH SIM										
Acenaphthene	< 1.60	ug/l	1.6	5	100	M8270C	6/12/2017	6/13/2017	NJC	I
Acenaphthylene	< 1.90	ug/l	1.9	6.1	100	M8270C	6/12/2017	6/13/2017	NJC	I
Anthracene	< 1.90	ug/l	1.9	6.2	100	M8270C	6/12/2017	6/13/2017	NJC	I
Benzo(a)anthracene	< 1.70	ug/l	1.7	5.4	100	M8270C	6/12/2017	6/13/2017	NJC	I
Benzo(a)pyrene	< 2.00	ug/l	2	6.5	100	M8270C	6/12/2017	6/13/2017	NJC	I
Benzo(b)fluoranthene	< 1.80	ug/l	1.8	5.8	100	M8270C	6/12/2017	6/13/2017	NJC	I
Benzo(g,h,i)perylene	< 2.50	ug/l	2.5	8.1	100	M8270C	6/12/2017	6/13/2017	NJC	I
Benzo(k)fluoranthene	< 1.60	ug/l	1.6	5	100	M8270C	6/12/2017	6/13/2017	NJC	I
Chrysene	< 2.00	ug/l	2	6.5	100	M8270C	6/12/2017	6/13/2017	NJC	I
Dibenzo(a,h)anthracene	< 2.50	ug/l	2.5	7.8	100	M8270C	6/12/2017	6/13/2017	NJC	I
Fluoranthene	< 1.70	ug/l	1.7	5.3	100	M8270C	6/12/2017	6/13/2017	NJC	I
Fluorene	< 2.10	ug/l	2.1	6.6	100	M8270C	6/12/2017	6/13/2017	NJC	I
Indeno(1,2,3-cd)pyrene	< 2.30	ug/l	2.3	7.4	100	M8270C	6/12/2017	6/13/2017	NJC	I
1-Methyl naphthalene	94.0	ug/l	2.4	7.6	100	M8270C	6/12/2017	6/13/2017	NJC	I
2-Methyl naphthalene	158	ug/l	2.4	7.5	100	M8270C	6/12/2017	6/13/2017	NJC	I
Naphthalene	380	ug/l	2.5	8.1	100	M8270C	6/12/2017	6/13/2017	NJC	I
Phenanthrene	< 2.50	ug/l	2.5	8.1	100	M8270C	6/12/2017	6/13/2017	NJC	I
Pyrene	< 2.00	ug/l	2	6.3	100	M8270C	6/12/2017	6/13/2017	NJC	I
VOC's										
Benzene	690	ug/l	8.5	27.5	50	8260B		6/17/2017	CJR	I
Bromobenzene	< 21.5	ug/l	21.5	68.5	50	8260B		6/17/2017	CJR	I
Bromodichloromethane	< 15.5	ug/l	15.5	50	50	8260B		6/17/2017	CJR	I
Bromoform	< 24.5	ug/l	24.5	78	50	8260B		6/17/2017	CJR	I
tert-Butylbenzene	< 19.5	ug/l	19.5	61.5	50	8260B		6/17/2017	CJR	I
sec-Butylbenzene	21.5 "J"	ug/l	12	38	50	8260B		6/17/2017	CJR	I
n-Butylbenzene	87	ug/l	17	54	50	8260B		6/17/2017	CJR	I
Carbon Tetrachloride	< 10.5	ug/l	10.5	34	50	8260B		6/17/2017	CJR	I
Chlorobenzene	< 13.5	ug/l	13.5	43	50	8260B		6/17/2017	CJR	I
Chloroethane	< 25	ug/l	25	80	50	8260B		6/17/2017	CJR	I
Chloroform	< 48	ug/l	48	152	50	8260B		6/17/2017	CJR	I
Chloromethane	< 65	ug/l	65	207.5	50	8260B		6/17/2017	CJR	I
2-Chlorotoluene	< 18	ug/l	18	57.5	50	8260B		6/17/2017	CJR	I
4-Chlorotoluene	< 17.5	ug/l	17.5	55.5	50	8260B		6/17/2017	CJR	I
1,2-Dibromo-3-chloropropane	< 94	ug/l	94	299	50	8260B		6/17/2017	CJR	I
Dibromochloromethane	< 22.5	ug/l	22.5	72	50	8260B		6/17/2017	CJR	I
1,4-Dichlorobenzene	< 21	ug/l	21	67	50	8260B		6/17/2017	CJR	I
1,3-Dichlorobenzene	< 22.5	ug/l	22.5	71.5	50	8260B		6/17/2017	CJR	I
1,2-Dichlorobenzene	< 17	ug/l	17	54.5	50	8260B		6/17/2017	CJR	I
Dichlorodifluoromethane-	< 19	ug/l	19	60	50	8260B		6/17/2017	CJR	I
1,2-Dichloroethane	49 "J"	ug/l	22.5	71.5	50	8260B		6/17/2017	CJR	I
1,1-Dichloroethane	< 21	ug/l	21	67	50	8260B		6/17/2017	CJR	I
1,1-Dichloroethene	< 23	ug/l	23	73.5	50	8260B		6/17/2017	CJR	I
cis-1,2-Dichloroethene	< 20.5	ug/l	20.5	64.5	50	8260B		6/17/2017	CJR	I
trans-1,2-Dichloroethene	< 17.5	ug/l	17.5	56	50	8260B		6/17/2017	CJR	I

Project Name PIZZA PLACE RESTAURANT / TURTL **Invoice #** E33054
Project #

Lab Code 5033054F
Sample ID MW-2
Sample Matrix Water
Sample Date 6/7/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
1,2-Dichloropropane	< 19.5	ug/l	19.5	62	50	8260B		6/17/2017	CJR	1
1,3-Dichloropropane	< 24.5	ug/l	24.5	77.5	50	8260B		6/17/2017	CJR	1
trans-1,3-Dichloropropene	< 21	ug/l	21	66.5	50	8260B		6/17/2017	CJR	1
cis-1,3-Dichloropropene	< 10.5	ug/l	10.5	32.5	50	8260B		6/17/2017	CJR	1
Di-isopropyl ether	< 13	ug/l	13	41.5	50	8260B		6/17/2017	CJR	1
EDB (1,2-Dibromoethane)	184	ug/l	17	54.5	50	8260B		6/17/2017	CJR	1
Ethylbenzene	1770	ug/l	10	31.5	50	8260B		6/17/2017	CJR	1
Hexachlorobutadiene	< 73.5	ug/l	73.5	234	50	8260B		6/17/2017	CJR	1
Isopropylbenzene	106	ug/l	14.5	46.5	50	8260B		6/17/2017	CJR	1
p-Isopropyltoluene	14.5 "J"	ug/l	14	45.5	50	8260B		6/17/2017	CJR	1
Methylene chloride	< 47	ug/l	47	149	50	8260B		6/17/2017	CJR	1
Methyl tert-butyl ether (MTBE)	< 41	ug/l	41	130	50	8260B		6/17/2017	CJR	1
Naphthalene	670	ug/l	108.5	345	50	8260B		6/17/2017	CJR	1
n-Propylbenzene	286	ug/l	9.5	31	50	8260B		6/17/2017	CJR	1
1,1,2,2-Tetrachloroethane	< 34.5	ug/l	34.5	110.5	50	8260B		6/17/2017	CJR	1
1,1,1,2-Tetrachloroethane	< 23.5	ug/l	23.5	74	50	8260B		6/17/2017	CJR	1
Tetrachloroethene	< 24	ug/l	24	76	50	8260B		6/17/2017	CJR	1
Toluene	7000	ug/l	33.5	106.5	50	8260B		6/17/2017	CJR	1
1,2,4-Trichlorobenzene	< 64.5	ug/l	64.5	205	50	8260B		6/17/2017	CJR	1
1,2,3-Trichlorobenzene	< 41.5	ug/l	41.5	131.5	50	8260B		6/17/2017	CJR	1
1,1,1-Trichloroethane	< 17.5	ug/l	17.5	55.5	50	8260B		6/17/2017	CJR	1
1,1,2-Trichloroethane	< 32.5	ug/l	32.5	103	50	8260B		6/17/2017	CJR	1
Trichloroethene (TCE)	< 22.5	ug/l	22.5	71.5	50	8260B		6/17/2017	CJR	1
Trichlorofluoromethane	< 32	ug/l	32	102	50	8260B		6/17/2017	CJR	1
1,2,4-Trimethylbenzene	2060	ug/l	57	181.5	50	8260B		6/17/2017	CJR	1
1,3,5-Trimethylbenzene	470	ug/l	45.5	145	50	8260B		6/17/2017	CJR	1
Vinyl Chloride	< 9.5	ug/l	9.5	31	50	8260B		6/17/2017	CJR	1
m&p-Xylene	6200	ug/l	78	247.5	50	8260B		6/17/2017	CJR	1
o-Xylene	3600	ug/l	19.5	62.5	50	8260B		6/17/2017	CJR	1
SUR - Toluene-d8	101	REC %			50	8260B		6/17/2017	CJR	1
SUR - 1,2-Dichloroethane-d4	113	REC %			50	8260B		6/17/2017	CJR	1
SUR - 4-Bromofluorobenzene	100	REC %			50	8260B		6/17/2017	CJR	1
SUR - Dibromofluoromethane	98	REC %			50	8260B		6/17/2017	CJR	1
Wet Chemistry										
General										
Nitrite Plus Nitrate, Dissolved	0.30 "J"	mg/l	0.17	0.53	1	353.2		6/20/2017	NJC	1
Sulfate, Filtered	11.5	mg/l	1.55	4.93	1	ASTM D516-		6/21/2017	NJC	1

Project Name PIZZA PLACE RESTAURANT / TURTL **Invoice #** E33054
Project #

Lab Code 5033054G
Sample ID TB
Sample Matrix Water
Sample Date 6/7/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
VOC's										
Benzene	< 0.17	ug/l	0.17	0.55	1	8260B		6/14/2017	CJR	
Bromobenzene	< 0.43	ug/l	0.43	1.37	1	8260B		6/14/2017	CJR	
Bromodichloromethane	< 0.31	ug/l	0.31	1	1	8260B		6/14/2017	CJR	
Bromoform	< 0.49	ug/l	0.49	1.56	1	8260B		6/14/2017	CJR	
tert-Butylbenzene	< 0.39	ug/l	0.39	1.23	1	8260B		6/14/2017	CJR	
sec-Butylbenzene	< 0.24	ug/l	0.24	0.76	1	8260B		6/14/2017	CJR	
n-Butylbenzene	< 0.34	ug/l	0.34	1.08	1	8260B		6/14/2017	CJR	
Carbon Tetrachloride	< 0.21	ug/l	0.21	0.68	1	8260B		6/14/2017	CJR	
Chlorobenzene	< 0.27	ug/l	0.27	0.86	1	8260B		6/14/2017	CJR	
Chloroethane	< 0.5	ug/l	0.5	1.6	1	8260B		6/14/2017	CJR	
Chloroform	< 0.96	ug/l	0.96	3.04	1	8260B		6/14/2017	CJR	
Chloromethane	< 1.3	ug/l	1.3	4.15	1	8260B		6/14/2017	CJR	
2-Chlorotoluene	< 0.36	ug/l	0.36	1.15	1	8260B		6/14/2017	CJR	
4-Chlorotoluene	< 0.35	ug/l	0.35	1.11	1	8260B		6/14/2017	CJR	
1,2-Dibromo-3-chloropropane	< 1.88	ug/l	1.88	5.98	1	8260B		6/14/2017	CJR	
Dibromochloromethane	< 0.45	ug/l	0.45	1.44	1	8260B		6/14/2017	CJR	
1,4-Dichlorobenzene	< 0.42	ug/l	0.42	1.34	1	8260B		6/14/2017	CJR	
1,3-Dichlorobenzene	< 0.45	ug/l	0.45	1.43	1	8260B		6/14/2017	CJR	
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.09	1	8260B		6/14/2017	CJR	
Dichlorodifluoromethane	< 0.38	ug/l	0.38	1.2	1	8260B		6/14/2017	CJR	
1,2-Dichloroethane	< 0.45	ug/l	0.45	1.43	1	8260B		6/14/2017	CJR	
1,1-Dichloroethane	< 0.42	ug/l	0.42	1.34	1	8260B		6/14/2017	CJR	
1,1-Dichloroethene	< 0.46	ug/l	0.46	1.47	1	8260B		6/14/2017	CJR	
cis-1,2-Dichloroethene	< 0.41	ug/l	0.41	1.29	1	8260B		6/14/2017	CJR	
trans-1,2-Dichloroethene	< 0.35	ug/l	0.35	1.12	1	8260B		6/14/2017	CJR	
1,2-Dichloropropane	< 0.39	ug/l	0.39	1.24	1	8260B		6/14/2017	CJR	
1,3-Dichloropropane	< 0.49	ug/l	0.49	1.55	1	8260B		6/14/2017	CJR	
trans-1,3-Dichloropropene	< 0.42	ug/l	0.42	1.33	1	8260B		6/14/2017	CJR	
cis-1,3-Dichloropropene	< 0.21	ug/l	0.21	0.65	1	8260B		6/14/2017	CJR	
Di-isopropyl ether	< 0.26	ug/l	0.26	0.83	1	8260B		6/14/2017	CJR	
EDB (1,2-Dibromoethane)	< 0.34	ug/l	0.34	1.09	1	8260B		6/14/2017	CJR	
Ethylbenzene	< 0.2	ug/l	0.2	0.63	1	8260B		6/14/2017	CJR	
Hexachlorobutadiene	< 1.47	ug/l	1.47	4.68	1	8260B		6/14/2017	CJR	
Isopropylbenzene	< 0.29	ug/l	0.29	0.93	1	8260B		6/14/2017	CJR	
p-Isopropyltoluene	< 0.28	ug/l	0.28	0.91	1	8260B		6/14/2017	CJR	
Methylene chloride	< 0.94	ug/l	0.94	2.98	1	8260B		6/14/2017	CJR	
Methyl tert-butyl ether (MTBE)	< 0.82	ug/l	0.82	2.6	1	8260B		6/14/2017	CJR	
Naphthalene	< 2.17	ug/l	2.17	6.9	1	8260B		6/14/2017	CJR	
n-Propylbenzene	< 0.19	ug/l	0.19	0.62	1	8260B		6/14/2017	CJR	
1,1,2,2-Tetrachloroethane	< 0.69	ug/l	0.69	2.21	1	8260B		6/14/2017	CJR	
1,1,1,2-Tetrachloroethane	< 0.47	ug/l	0.47	1.48	1	8260B		6/14/2017	CJR	
Tetrachloroethene	< 0.48	ug/l	0.48	1.52	1	8260B		6/14/2017	CJR	
Toluene	< 0.67	ug/l	0.67	2.13	1	8260B		6/14/2017	CJR	
1,2,4-Trichlorobenzene	< 1.29	ug/l	1.29	4.1	1	8260B		6/14/2017	CJR	
1,2,3-Trichlorobenzene	< 0.83	ug/l	0.83	2.63	1	8260B		6/14/2017	CJR	
1,1,1-Trichloroethane	< 0.35	ug/l	0.35	1.11	1	8260B		6/14/2017	CJR	
1,1,2-Trichloroethane	< 0.65	ug/l	0.65	2.06	1	8260B		6/14/2017	CJR	
Trichloroethene (TCE)	< 0.45	ug/l	0.45	1.43	1	8260B		6/14/2017	CJR	
Trichlorofluoromethane	< 0.64	ug/l	0.64	2.04	1	8260B		6/14/2017	CJR	
1,2,4-Trimethylbenzene	< 1.14	ug/l	1.14	3.63	1	8260B		6/14/2017	CJR	

Project Name PIZZA PLACE RESTAURANT / TURTL **Invoice #** E33054
Project #

Lab Code 5033054G
Sample ID TB
Sample Matrix Water
Sample Date 6/7/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
1,3,5-Trimethylbenzene	< 0.91	ug/l	0.91	2.9	1	8260B		6/14/2017	CJR	1
Vinyl Chloride	< 0.19	ug/l	0.19	0.62	1	8260B		6/14/2017	CJR	1
m&p-Xylene	< 1.56	ug/l	1.56	4.95	1	8260B		6/14/2017	CJR	1
o-Xylene	< 0.39	ug/l	0.39	1.25	1	8260B		6/14/2017	CJR	1
SUR - Toluene-d8	102	REC %			1	8260B		6/14/2017	CJR	1
SUR - 1,2-Dichloroethane-d4	101	REC %			1	8260B		6/14/2017	CJR	1
SUR - 4-Bromofluorobenzene	95	REC %			1	8260B		6/14/2017	CJR	1
SUR - Dibromofluoromethane	96	REC %			1	8260B		6/14/2017	CJR	1

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

Code	*Comment*
1	Laboratory QC within limits.

CWT denotes sub contract lab - Certification #445126660

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

Authorized Signature *Michael Ricker*

CHAIN OF CUSTODY RECORD

Synergy

Environmental Lab, Inc.

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

Chain # № 312

Page 1 of 1

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

Lab I.D. #	
Account No. :	Quote No.:
Project #:	
Sampler: (signature)	Bryan Kyner

Project (Name / Location): Pizza Place Restaurant / Turtle Lake

Reports To: Douglas Potvin	Invoice To: Douglas Potvin
Company c/o Janet Dericks	Company c/o METCO
Address 611 E. Bacon Street	Address 709 Gillette Street, Suite 3
City State Zip Rice Lake, WI 54868	City State Zip La Crosse, WI 54603
Phone	Phone
FAX	FAX

Lab I.D.	Sample I.D.	Collection Date	Collection Time	Comp	Grab	Filtered Y/N	No. of Containers	Sample Type (Matrix)*	Preservation	DRO (Mod DRO Sep 95)	GRO (Mod GRO Sep 95)	LEAD (Dissolved)	NITRATE/NITRITE	OIL & GREASE	PAH (EPA 8270)	PCB	PVOC (EPA 8021)	PVOC + NAPHTHALENE	SULFATE	TOTAL SUSPENDED SOLIDS	VOC DW (EPA 542.2)	VOC (EPA 8260)	8-RCRA METALS	Dissolved Iron	Dissolved Manganese	PID/ FID
533854-A	MW-4	6/7/17	1020			Y	#7	GW	HCl, H2SO4, HNO3 +Nmet			X	X		X				X			X		X	X	
B	MW-3		1050				#7		↓			X	X		X				X			X		X	X	
C	PZ-13		1125				4		HCl, HNO3			X						X								
D	PZ-14		1155				4		↓			X						X								
E	MW-1		1250				#7		HCl, H2SO4, HNO3 +Nmet			X	X		X				X			X		X	X	
F	MW-2		120				#7		↓			X	X		X				X			X		X	X	
G	TB								HCl													X				

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

- Lab to send copy of report to METCO Megan P. (Invoice to METCO)
* LL + C rates Apply
* Agent Status

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

Relinquished By: (sign)	Time	Date	Received By: (sign)	Time	Date
Bryan Kyner	8:00AM	6/8/17			

Received in Laboratory By: [signature] Time: 8:10AM Date: 6-9-17

Synergy Environmental Lab,

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

DOUGLAS POTVIN
DOUGLAS POTVIN
611 E. BRACKLIN STREET
RICE LAKE, WI 54868

Report Date *15-Sep-17*

Project Name PIZZA PLACE RESTAURANT **Invoice #** E33567
Project #

Lab Code 5033567A
Sample ID MW-4
Sample Matrix Water
Sample Date 9/7/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Inorganic										
Metals										
Lead, Dissolved	< 0.9	ug/L	0.9	3	1	7421		9/12/2017	CWT	1
Organic										
PVOC + Naphthalene										
Benzene	< 0.17	ug/l	0.17	0.55	1	8260B		9/13/2017	CJR	1
Ethylbenzene	< 0.2	ug/l	0.2	0.63	1	8260B		9/13/2017	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.82	ug/l	0.82	2.6	1	8260B		9/13/2017	CJR	1
Naphthalene	< 2.17	ug/l	2.17	6.9	1	8260B		9/13/2017	CJR	1
Toluene	< 0.67	ug/l	0.67	2.13	1	8260B		9/13/2017	CJR	1
1,2,4-Trimethylbenzene	< 1.14	ug/l	1.14	3.63	1	8260B		9/13/2017	CJR	1
1,3,5-Trimethylbenzene	< 0.91	ug/l	0.91	2.9	1	8260B		9/13/2017	CJR	1
m&p-Xylene	< 1.56	ug/l	1.56	4.95	1	8260B		9/13/2017	CJR	1
o-Xylene	< 0.39	ug/l	0.39	1.25	1	8260B		9/13/2017	CJR	1

Project Name PIZZA PLACE RESTAURANT **Invoice #** E33567
Project #

Lab Code 5033567B
Sample ID MW-3
Sample Matrix Water
Sample Date 9/7/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Inorganic										
Metals										
Lead, Dissolved	< 0.9	ug/L	0.9	3	1	7421		9/12/2017	CWT	1
Organic										
PVOC + Naphthalene										
Benzene	< 0.17	ug/l	0.17	0.55	1	8260B		9/13/2017	CJR	1
Ethylbenzene	< 0.2	ug/l	0.2	0.63	1	8260B		9/13/2017	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.82	ug/l	0.82	2.6	1	8260B		9/13/2017	CJR	1
Naphthalene	< 2.17	ug/l	2.17	6.9	1	8260B		9/13/2017	CJR	1
Toluene	< 0.67	ug/l	0.67	2.13	1	8260B		9/13/2017	CJR	1
1,2,4-Trimethylbenzene	< 1.14	ug/l	1.14	3.63	1	8260B		9/13/2017	CJR	1
1,3,5-Trimethylbenzene	< 0.91	ug/l	0.91	2.9	1	8260B		9/13/2017	CJR	1
m&p-Xylene	< 1.56	ug/l	1.56	4.95	1	8260B		9/13/2017	CJR	1
o-Xylene	< 0.39	ug/l	0.39	1.25	1	8260B		9/13/2017	CJR	1

Lab Code 5033567C
Sample ID PZ-13
Sample Matrix Water
Sample Date 9/7/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Inorganic										
Metals										
Lead, Dissolved	< 0.9	ug/L	0.9	3	1	7421		9/12/2017	CWT	1
Organic										
PVOC + Naphthalene										
Benzene	< 0.17	ug/l	0.17	0.55	1	8260B		9/13/2017	CJR	1
Ethylbenzene	< 0.2	ug/l	0.2	0.63	1	8260B		9/13/2017	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.82	ug/l	0.82	2.6	1	8260B		9/13/2017	CJR	1
Naphthalene	< 2.17	ug/l	2.17	6.9	1	8260B		9/13/2017	CJR	1
Toluene	< 0.67	ug/l	0.67	2.13	1	8260B		9/13/2017	CJR	1
1,2,4-Trimethylbenzene	< 1.14	ug/l	1.14	3.63	1	8260B		9/13/2017	CJR	1
1,3,5-Trimethylbenzene	< 0.91	ug/l	0.91	2.9	1	8260B		9/13/2017	CJR	1
m&p-Xylene	< 1.56	ug/l	1.56	4.95	1	8260B		9/13/2017	CJR	1
o-Xylene	< 0.39	ug/l	0.39	1.25	1	8260B		9/13/2017	CJR	1

Project Name PIZZA PLACE RESTAURANT **Invoice #** E33567
Project #

Lab Code 5033567D
Sample ID MW-2
Sample Matrix Water
Sample Date 9/7/2017

	Result		Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Inorganic											
Metals											
Lead, Dissolved	43.0		ug/L	1.8	6	2	7421		9/12/2017	CWT	1
Organic											
PVOC + Naphthalene											
Benzene	840		ug/l	8.5	27.5	50	8260B		9/13/2017	CJR	1
Ethylbenzene	2080		ug/l	10	31.5	50	8260B		9/13/2017	CJR	1
Methyl tert-butyl ether (MTBE)		< 41	ug/l	41	130	50	8260B		9/13/2017	CJR	1
Naphthalene	620		ug/l	108.5	345	50	8260B		9/13/2017	CJR	1
Toluene	7900		ug/l	33.5	106.5	50	8260B		9/13/2017	CJR	1
1,2,4-Trimethylbenzene	2220		ug/l	57	181.5	50	8260B		9/13/2017	CJR	1
1,3,5-Trimethylbenzene	490		ug/l	45.5	145	50	8260B		9/13/2017	CJR	1
m&p-Xylene	6900		ug/l	78	247.5	50	8260B		9/13/2017	CJR	1
o-Xylene	4200		ug/l	19.5	62.5	50	8260B		9/13/2017	CJR	1

Lab Code 5033567E
Sample ID MW-1
Sample Matrix Water
Sample Date 9/7/2017

	Result		Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Inorganic											
Metals											
Lead, Dissolved	0.9 "J"		ug/L	0.9	3	1	7421		9/12/2017	CWT	1
Organic											
PVOC + Naphthalene											
Benzene	2750		ug/l	8.5	27.5	50	8260B		9/13/2017	CJR	1
Ethylbenzene	1510		ug/l	10	31.5	50	8260B		9/13/2017	CJR	1
Methyl tert-butyl ether (MTBE)		< 41	ug/l	41	130	50	8260B		9/13/2017	CJR	1
Naphthalene	390		ug/l	108.5	345	50	8260B		9/13/2017	CJR	1
Toluene	5900		ug/l	33.5	106.5	50	8260B		9/13/2017	CJR	1
1,2,4-Trimethylbenzene	1620		ug/l	57	181.5	50	8260B		9/13/2017	CJR	1
1,3,5-Trimethylbenzene	460		ug/l	45.5	145	50	8260B		9/13/2017	CJR	1
m&p-Xylene	5000		ug/l	78	247.5	50	8260B		9/13/2017	CJR	1
o-Xylene	2220		ug/l	19.5	62.5	50	8260B		9/13/2017	CJR	1

Project Name PIZZA PLACE RESTAURANT **Invoice #** E33567
Project #

Lab Code 5033567F
Sample ID PZ-14
Sample Matrix Water
Sample Date 9/7/2017

	Result		Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Inorganic											
Metals											
Lead, Dissolved	1.2 "J"		ug/L	0.9	3	1	7421		9/12/2017	CWT	1
Organic											
PVOC + Naphthalene											
Benzene	5100		ug/l	8.5	27.5	50	8260B		9/13/2017	CJR	1
Ethylbenzene	3300		ug/l	10	31.5	50	8260B		9/13/2017	CJR	1
Methyl tert-butyl ether (MTBE)		< 41	ug/l	41	130	50	8260B		9/13/2017	CJR	1
Naphthalene	770		ug/l	108.5	345	50	8260B		9/13/2017	CJR	1
Toluene	6100		ug/l	33.5	106.5	50	8260B		9/13/2017	CJR	1
1,2,4-Trimethylbenzene	2830		ug/l	57	181.5	50	8260B		9/13/2017	CJR	1
1,3,5-Trimethylbenzene	720		ug/l	45.5	145	50	8260B		9/13/2017	CJR	1
m&p-Xylene	11400		ug/l	78	247.5	50	8260B		9/13/2017	CJR	1
o-Xylene	5300		ug/l	19.5	62.5	50	8260B		9/13/2017	CJR	1

Lab Code 5033567G
Sample ID TB
Sample Matrix Water
Sample Date 9/7/2017

	Result		Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic											
PVOC + Naphthalene											
Benzene		< 0.17	ug/l	0.17	0.55	1	8260B		9/13/2017	CJR	1
Ethylbenzene		< 0.2	ug/l	0.2	0.63	1	8260B		9/13/2017	CJR	1
Methyl tert-butyl ether (MTBE)		< 0.82	ug/l	0.82	2.6	1	8260B		9/13/2017	CJR	1
Naphthalene		< 2.17	ug/l	2.17	6.9	1	8260B		9/13/2017	CJR	1
Toluene		< 0.67	ug/l	0.67	2.13	1	8260B		9/13/2017	CJR	1
1,2,4-Trimethylbenzene		< 1.14	ug/l	1.14	3.63	1	8260B		9/13/2017	CJR	1
1,3,5-Trimethylbenzene		< 0.91	ug/l	0.91	2.9	1	8260B		9/13/2017	CJR	1
m&p-Xylene		< 1.56	ug/l	1.56	4.95	1	8260B		9/13/2017	CJR	1
o-Xylene		< 0.39	ug/l	0.39	1.25	1	8260B		9/13/2017	CJR	1

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

Code	*Comment*
1	Laboratory QC within limits.

CWT denotes sub contract lab - Certification #445126660

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

Authorized Signature Michael Ricker

CHAIN OF JSTODY RECORD

Synergy

Environmental Lab, Inc.

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

Chain # № 299

Page 1 of 1

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

Lab I.D. #

Account No. : **Quote No.:**

Project #:

Sampler: (signature) Bryan Tyjeson

Project (Name / Location): Pizza Place Restaurant / Turtle Lake

Reports To: Douglas Potvin	Invoice To: Douglas Potvin
Company c/o Janet Dircks	Company c/o METCO
Address 611 E. Brooklyn Street	Address 709 Gillette Street, Suite 3
City State Zip Rice Lake, WI 54868	City State Zip La Crosse, WI 54603
Phone	Phone
FAX	FAX

Lab I.D.	Sample I.D.	Collection Date	Collection Time	Comp	Grab	Filtered Y/N	No. of Containers	Sample Type (Matrix)*	Preservation
555567-A	MW-4	9/7/17	935			Y	4	GW	HCl, HNO_3
B	MW-3		1020						
C	PZ-13		1050						
D	MW-2		1125						
E	MW-1		1155						
F	PZ-14		1230						
G	TB						1		HCl

Analysis Requested

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

Other Analysis

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

- Lab to send copy of report to METCO/Jason P. (Invoice to METCO)
* U+C rates apply
* Agent Status

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

Relinquished By: (sign)	Time	Date	Received By: (sign)	Time	Date
Bryan Tyjeson	8:30AM	9/8/17			

Received in Laboratory By: [signature] Time: 8:00 Date: 9/9/17

APPENDIX C/ WELL AND BOREHOLE DOCUMENTATION

State of Wisconsin
Department of Natural Resources

GROUNDWATER MONITORING WELL INFORMATION FORM

Chapter 281 and 289, Wis. Stats.
Form 4400-89

Rev. 7-98

Facility Name	Facility ID Number	License, Permit or Monitoring No.	Date	Completed By (Name and Firm)
Pizza Place Restaurant			11/27/2017	Jon Jensen/METCO

WI Unique Well No	Well Name	DNR Well ID Number	Well Location	Dir. N/E	Dir. S/W	Date Established	Well Casing Diam.	Well Casing Type	Elevations Top of Well Casing	Elevations Ground Surface	Reference MSL (√)	Reference Site Datum (√)	Depths Screen Top	Depths Initial Groundwater	Depths Well Depth	Screen Length	Well Type	Well Status	Enf. Stds.	Grad-ient	Distance to Waste
			96917.78	X																	
VP205	MW-1		229597.69	X		5/30/2017	2	P	1254.69	1255.11	X		43	45.83	58	15	11/mw	A	X	S	3
			96872.03	X																	
VP206	MW-2		229571.3	X		5/31/2017	2	P	1254.68	1255.2	X		43	45.95	58	15	11/mw	A	X		
			96942.09	X																	
VP207	MW-3		229472.96	X		5/30/2017	2	P	1255.29	1255.78	X		43	46.67	58	15	11/mw	A		D	113
			96758.3	X																	
VP208	MW-4		229607.84	X		6/2/2017	2	P	1255.02	1255.55	X		43	46.21	58	15	11/mw	A		S	117

Location Coordinates Are:

☐ State Plane Coordinate ☐ Northern ☐ Central ☐ Southern

☒ Local Grid System

Grid Origin Location: (Check if estimated: ☐)

Lat. 45 ° 23 ' 55 " Long. 92 ° 8 ' 45 " or

St. Plane _____ ft. N. _____ ft. E. S/C/N Zone

Remarks:

Completion of this form is mandatory under s. NR 507.14 and NR 110.25 Wis. Adm. Code. Failure to file this form may result in forfeiture of not less then $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.

State of Wisconsin
Department of Natural Resources

Route To: Solid Waste ☐ Haz. Waste ☐ Wastewater ☐
Env. Response & Repair ☐ Underground Tanks ☐ Other ☐

MONITORING WELL CONSTRUCTION

Form 4400-113A Rev. 4-90

Facility/Project Name Pizza Place Restaurant – Turtle Lake, WI	Local Grid Location of Well ☐ N. ☐ E. ft. ☐ S. ft. ☐ W.	Well Name MW-1
Facility License, Permit or Monitoring Number	Grid Origin Location Lat. _____ Long. _____ or St. Plane _____ ft. N. _____ ft. E.	Wis. Unique Well Number DNR Well Number VF 205
Type of Well Water Table Observation Well ☒ 11 Piezometer ☐ 12	Section Location of Waste/Source ☐ E. ___ 1/4 of ___ of Sec. ___, T ___ N, R. ___ ☐ W.	Date Well Installed 05/30/2017
Distance Well Is From Waste/Source Boundary ft.	Location of Well Relative to Waste/Source u ☐ Upgradient s ☐ Sidegradient d ☐ Downgradient n ☐ Not Known	Well Installed By: (Person's Name and Firm) Joe Black Professional Service Industries, Inc.
Is Well A Point of Enforcement Std. Applic. ? ☐ Yes ☐ No		

A. Protective pipe, top elevation _____.__ ft. MSL

B. Well casing, top elevation _____.__ ft. MSL

C. Land surface elevation _____.__ ft. MSL

D. Surface seal, bottom _____.__ ft. MSL or 1.0 ft.

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

13. Sieve analysis attached? ☐ Yes ☐ No

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

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

16. Drilling additives used? ☐ Yes ☒ No
Describe _____

17. Source of water (attach analysis):
_____

E. Bentonite seal, top _____.__ ft. MSL or 1.0 ft.

F. Fine sand, top _____.__ ft. MSL or 39 ft.

G. Filter pack, top _____.__ ft. MSL or 41 ft.

H. Screen joint, top _____.__ ft. MSL or 43 ft.

I. Well bottom _____.__ ft. MSL or 58 ft.

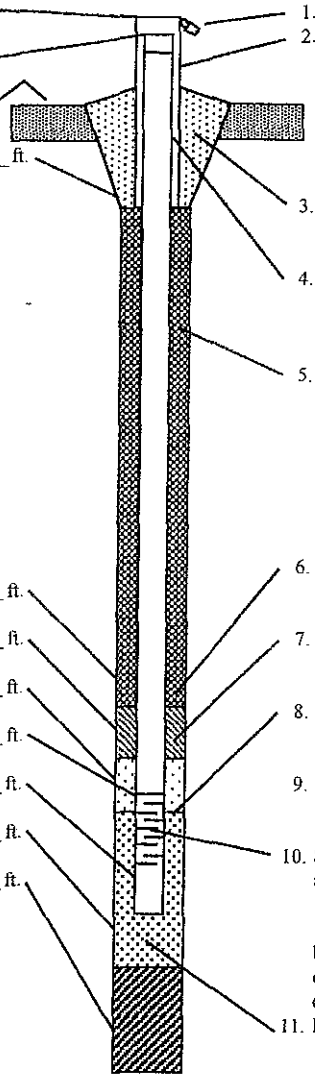
J. Filter pack, bottom _____.__ ft. MSL or 58 ft.

K. Borehole, bottom _____.__ ft. MSL or 58 ft.

L. Borehole, diameter 8.0 in.

M. O.D. well casing 2.48 in.

N. I.D. well casing 2.07 in.



1. Cap and lock? ☒ Yes ☐ No
2. Protective cover pipe:
a. Inside diameter: 8.0 in.
b. Length: 1.0 ft.
c. Material: Steel ☒ 04
_____ Other ☐
d. Additional protection? ☐ Yes ☒ No
if yes, describe: _____
3. Surface seal: Bentonite ☒ 30
Concrete ☐ 01
_____ Other ☐
4. Material between well casing and protective pipe:
Bentonite ☒ 30
Annular space seal ☐
_____ Other ☐
5. Annular space seal: a. Granular Bentonite ☒ 33
b. ____ Lbs/gal mud wt. Bentonite-sand slurry ☐ 35
c. ____ Lbs/gal mud weight Bentonite slurry ☐ 31
d. ____ % Bentonite Bentonite-cement grout ☐ 50
e. 12.4 Ft^3 volume added for any of the above
f. How installed: Tremie ☐ 01
Tremie pumped ☐ 02
Gravity ☒ 08
6. Bentonite seal: a. Bentonite granules ☐ 33
b. ☐ 1/4 in. ☐ 1/2 in. ☒ 3/8 in. Bentonite pellets ☒ 32
c. _____ Other ☐
7. Fine sand material:
a. Red Flint No. 45-55
b. Volume added 0.7 ft^3
8. Filter pack material:
a. Red Flint No. 40 RFWS - 34
b. Volume added 5.6 ft^3
9. Well casing: Flush threaded PVC schedule 40 ☒ 23
Flush threaded PVC schedule 80 ☐ 24
_____ Other ☐
10. Screen material: Sch. 40 PVC
a. Screen type: Factory cut ☒ 11
Continuous slot ☐ 01
_____ Other ☐
b. Manufacturer Diedrich Drill
c. Slot size: 0.010 in.
d. Slotted length: 15.0 ft.
11. Backfill material (below filter pack): None ☒ 14
_____ Other ☐

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

Signature _____ Firm PROFESSIONAL SERVICE INDUSTRIES, INC.

Please complete both sides of this form and return to the appropriate DNR office listed at the top of this form as required by chs. 144, 147 and 160, Wis. Stats., and ch. NR 141, Wis. Ad. Code. In accordance with ch. 144, Wis. Stats., failure to file this form may result in a forfeiture of not less than $10, nor more than $5000 for each day of violation. In accordance with ch. 147, Wis. Stats., failure to file this form may result in a forfeiture of not more than $10,000 for each day of violation. NOTE: Shaded areas are for DNR use only. See instructions for more information including where the completed form should be sent.

State of Wisconsin — Department of Natural Resources

Route To: Solid Waste ☐ Haz. Waste ☐ Wastewater ☐ Env. Response & Repair ☐ Underground Tanks ☐ Other ☐

MONITORING WELL CONSTRUCTION

Form 4400-113A Rev. 4-90

Facility/Project Name: Pizza Place Restaurant – Turtle Lake, WI	Local Grid Location of Well: ☐ N. ☐ E. ft. ☐ S. ft. ☐ W.	Well Name: MW-2
Facility License, Permit or Monitoring Number:	Grid Origin Location: Lat. ____ Long. ____ or St. Plane ____ ft. N. ____ ft. E.	Wis. Unique Well Number: DNR Well Number: VP 206
Type of Well: Water Table Observation Well ☒ 11; Piezometer ☐ 12	Section Location of Waste/Source: ____ 1/4 of ____ of Sec. ___, T ___ N, R. ___ ☐ E. ☐ W.	Date Well Installed: 05/31/2017
Distance Well Is From Waste/Source Boundary: ____ ft.	Location of Well Relative to Waste/Source: u ☐ Upgradient s ☐ Sidegradient d ☐ Downgradient n ☐ Not Known	Well Installed By: (Person's Name and Firm) Joe Black; Professional Service Industries, Inc.
Is Well A Point of Enforcement Std. Applic. ? ☐ Yes ☐ No		

A. Protective pipe, top elevation _____.__ ft. MSL

B. Well casing, top elevation _____.__ ft. MSL

C. Land surface elevation _____.__ ft. MSL

D. Surface seal, bottom _____.__ ft. MSL or 1.0 ft.

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

13. Sieve analysis attached? ☐ Yes ☐ No

14. Drilling method used: Rotary ☐ 50; Hollow Stem Auger ☒ 41; Other ☐ ____

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

16. Drilling additives used? ☐ Yes ☒ No
Describe ____

17. Source of water (attach analysis): ____

E. Bentonite seal, top _____.__ ft. MSL or 1.0 ft.

F. Fine sand, top _____.__ ft. MSL or 39 ft.

G. Filter pack, top _____.__ ft. MSL or 41 ft.

H. Screen joint, top _____.__ ft. MSL or 43 ft.

I. Well bottom _____.__ ft. MSL or 58 ft.

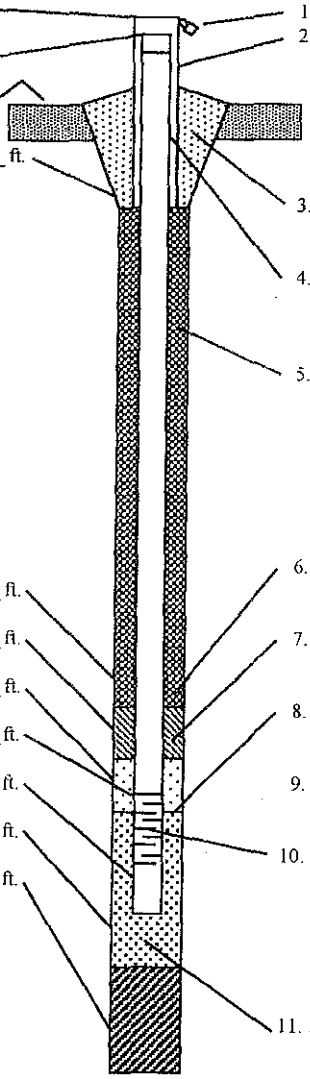
J. Filter pack, bottom _____.__ ft. MSL or 58 ft.

K. Borehole, bottom _____.__ ft. MSL or 58 ft.

L. Borehole, diameter 8.0 in.

M. O.D. well casing 2.48 in.

N. I.D. well casing 2.07 in.



1. Cap and lock? ☒ Yes ☐ No

2. Protective cover pipe:
a. Inside diameter: 8.0 in.
b. Length: 1.0 ft.
c. Material: Steel ☒ 04; Other ☐ ____
d. Additional protection? ☐ Yes ☒ No
if yes, describe: ____

3. Surface seal: Bentonite ☒ 30; Concrete ☐ 01; Other ☐ ____

4. Material between well casing and protective pipe: Bentonite ☒ 30; Annular space seal ☐ ____; Other ☐ ____

5. Annular space seal: a. Granular Bentonite ☒ 33
b. ____ Lbs/gal mud wt. Bentonite-sand slurry ☐ 35
c. ____ Lbs/gal mud weight Bentonite slurry ☐ 31
d. ____ % Bentonite Bentonite-cement grout ☐ 50
e. 12.4 Ft³ volume added for any of the above
f. How installed: Tremie ☐ 01; Tremie pumped ☐ 02; Gravity ☒ 08

6. Bentonite seal: a. Bentonite granules ☐ 33
b. ☐ 1/4 in. ☐ 1/2 in. ☒ 3/8 in. Bentonite pellets ☒ 32
c. ____ Other ☐ ____

7. Fine sand material:
a. Red Flint No. 45-55
b. Volume added 0.7 ft³

8. Filter pack material:
a. Red Flint No. 40 RFWS - 34
b. Volume added 5.6 ft³

9. Well casing: Flush threaded PVC schedule 40 ☒ 23; Flush threaded PVC schedule 80 ☐ 24; Other ☐ ____

10. Screen material: Sch. 40 PVC
a. Screen type: Factory cut ☒ 11; Continuous slot ☐ 01; Other ☐ ____
b. Manufacturer Diedrich Drill
c. Slot size: 0.010 in.
d. Slotted length: 15.0 ft.

11. Backfill material (below filter pack): None ☒ 14; Other ☐ ____

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

Signature: [signature] Firm: PROFESSIONAL SERVICE INDUSTRIES, INC.

Please complete both sides of this form and return to the appropriate DNR office listed at the top of this form as required by chs. 144, 147 and 160, Wis. Stats., and ch. NR 141, Wis. Ad. Code. In accordance with ch. 144, Wis. Stats., failure to file this form may result in a forfeiture of not less than $10, nor more than $5000 for each day of violation. In accordance with ch. 147, Wis. Stats., failure to file this form may result in a forfeiture of not more than $10,000 for each day of violation. NOTE: Shaded areas are for DNR use only. See instructions for more information including where the completed form should be sent.

State of Wisconsin
Department of Natural Resources

Route To: Solid Waste ☐ Haz. Waste ☐ Wastewater ☐
Env. Response & Repair ☐ Underground Tanks ☐ Other ☐

MONITORING WELL CONSTRUCTION

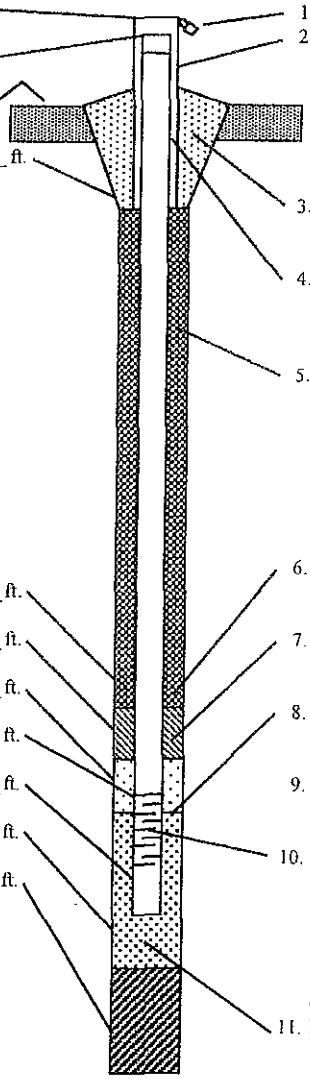
Form 4400-113A Rev. 4-90

Facility/Project Name Pizza Place Restaurant – Turtle Lake, WI	Local Grid Location of Well ☐ N. ☐ E. ft. ☐ S. ft. ☐ W.	Well Name MW-3
Facility License, Permit or Monitoring Number	Grid Origin Location Lat. _____ Long. _____ or St. Plane _____ ft. N. _____ ft. E.	Wis. Unique Well Number DNR Well Number VP 207
Type of Well Water Table Observation Well ☒ 11 Piezometer ☐ 12	Section Location of Waste/Source ☐ E. 1/4 of ___ of Sec. ___, T ___ N, R. ___ ☐ W.	Date Well Installed 05/30/2017
Distance Well Is From Waste/Source Boundary ft.	Location of Well Relative to Waste/Source u ☐ Upgradient s ☐ Sidegradient d ☐ Downgradient n ☐ Not Known	Well Installed By: (Person's Name and Firm) Joe Black Professional Service Industries, Inc.
Is Well A Point of Enforcement Std. Applic. ? ☐ Yes ☐ No		

A. Protective pipe, top elevation _____ ft. MSL
B. Well casing, top elevation _____ ft. MSL
C. Land surface elevation _____ ft. MSL
D. Surface seal, bottom _____ ft. MSL or 1.0 ft.

12. USCS classification of soil near screen:
GP ☐ GM ☐ GC ☐ GW ☐ SW ☐ SP ☐
SM ☐ SC ☐ ML ☐ MH ☐ CL ☐ CH ☐
Bedrock ☐
13. Sieve analysis attached? ☐ Yes ☐ No
14. Drilling method used: Rotary ☐ 50
Hollow Stem Auger ☒ 41
Other ☐ _____
15. Drilling fluid used: Water ☐ 02 Air ☐ 01
Drilling Mud ☐ 03 None ☒ 99
16. Drilling additives used? ☐ Yes ☒ No
Describe _____
17. Source of water (attach analysis):
_____

E. Bentonite seal, top _____ ft. MSL or 1.0 ft.
F. Fine sand, top _____ ft. MSL or 39 ft.
G. Filter pack, top _____ ft. MSL or 41 ft.
H. Screen joint, top _____ ft. MSL or 43 ft.
I. Well bottom _____ ft. MSL or 58 ft.
J. Filter pack, bottom _____ ft. MSL or 58 ft.
K. Borehole, bottom _____ ft. MSL or 58 ft.
L. Borehole, diameter 8.0 in.
M. O.D. well casing 2.48 in.
N. I.D. well casing 2.07 in.



1. Cap and lock? ☒ Yes ☐ No
2. Protective cover pipe:
a. Inside diameter: 8.0 in.
b. Length: 1.0 ft.
c. Material: Steel ☒ 04
Other ☐ _____
d. Additional protection? ☐ Yes ☒ No
if yes, describe: _____
3. Surface seal: Bentonite ☒ 30
Concrete ☐ 01
Other ☐ _____
4. Material between well casing and protective pipe:
Bentonite ☒ 30
Annular space seal ☐ _____
Other ☐ _____
5. Annular space seal: a. Granular Bentonite ☒ 33
b. _____ Lbs/gal mud wt. Bentonite-sand slurry ☐ 35
c. _____ Lbs/gal mud weight Bentonite slurry ☐ 31
d. _____ % Bentonite Bentonite-cement grout ☐ 50
e. 12.4 Ft³ volume added for any of the above
f. How installed: Tremie ☐ 01
Tremie pumped ☐ 02
Gravity ☒ 08
6. Bentonite seal: a. Bentonite granules ☐ 33
b. ☐ 1/4 in. ☐ 1/2 in. ☒ 3/8 in. Bentonite pellets ☒ 32
c. Other ☐ _____
7. Fine sand material:
a. Red Flint No. 45-55
b. Volume added 0.7 ft³
8. Filter pack material:
a. Red Flint No. 40 RFWS - 34
b. Volume added 5.6 ft³
9. Well casing: Flush threaded PVC schedule 40 ☒ 23
Flush threaded PVC schedule 80 ☐ 24
Other ☐ _____
10. Screen material: Sch. 40 PVC
a. Screen type: Factory cut ☒ 11
Continuous slot ☐ 01
Other ☐ _____
b. Manufacturer Diedrich Drill
c. Slot size: 0.010 in.
d. Slotted length: 15.0 ft.
11. Backfill material (below filter pack): None ☒ 14
Other ☐ _____

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

Signature _____ Firm PROFESSIONAL SERVICE INDUSTRIES, INC.

Please complete both sides of this form and return to the appropriate DNR office listed at the top of this form as required by chs. 144, 147 and 160, Wis. Stats., and ch. NR 141, Wis. Ad. Code. In accordance with ch. 144, Wis. Stats., failure to file this form may result in a forfeiture of not less than $10, nor more than $5000 for each day of violation. In accordance with ch. 147, Wis. Stats., failure to file this form may result in a forfeiture of not more than $10,000 for each day of violation. NOTE: Shaded areas are for DNR use only. See instructions for more information including where the completed form should be sent.

State of Wisconsin
Department of Natural Resources

Route To: Solid Waste ☐ Haz. Waste ☐ Wastewater ☐
Env. Response & Repair ☐ Underground Tanks ☐ Other ☐

MONITORING WELL CONSTRUCTION

Form 4400-113A Rev. 4-90

Facility/Project Name Pizza Place Restaurant – Turtle Lake, WI	Local Grid Location of Well ☐ N. ☐ E. ft. ☐ S. ft. ☐ W.	Well Name MW-4
Facility License, Permit or Monitoring Number	Grid Origin Location Lat. _____ Long. _____ or St. Plane ft. N. ft. E.	Wis. Unique Well Number DNR Well Number VP208
Type of Well Water Table Observation Well ☒ 11 Piezometer ☐ 12	Section Location of Waste/Source ☐ E. 1/4 of ___ of Sec. ___, T ___ N, R. ___ ☐ W.	Date Well Installed 06/02/2017
Distance Well Is From Waste/Source Boundary ft.	Location of Well Relative to Waste/Source u ☐ Upgradient s ☐ Sidegradient d ☐ Downgradient n ☐ Not Known	Well Installed By: (Person's Name and Firm) Joe Black Professional Service Industries, Inc.
Is Well A Point of Enforcement Std. Applic. ? ☐ Yes ☐ No		

A. Protective pipe, top elevation _____ ft. MSL

B. Well casing, top elevation _____ ft. MSL

C. Land surface elevation _____ ft. MSL

D. Surface seal, bottom _____ ft. MSL or 1.0 ft.

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

13. Sieve analysis attached? ☐ Yes ☐ No

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

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

16. Drilling additives used? ☐ Yes ☒ No
Describe _____

17. Source of water (attach analysis):
_____

E. Bentonite seal, top _____ ft. MSL or 1.0 ft.

F. Fine sand, top _____ ft. MSL or 39 ft.

G. Filter pack, top _____ ft. MSL or 41 ft.

H. Screen joint, top _____ ft. MSL or 43 ft.

I. Well bottom _____ ft. MSL or 58 ft.

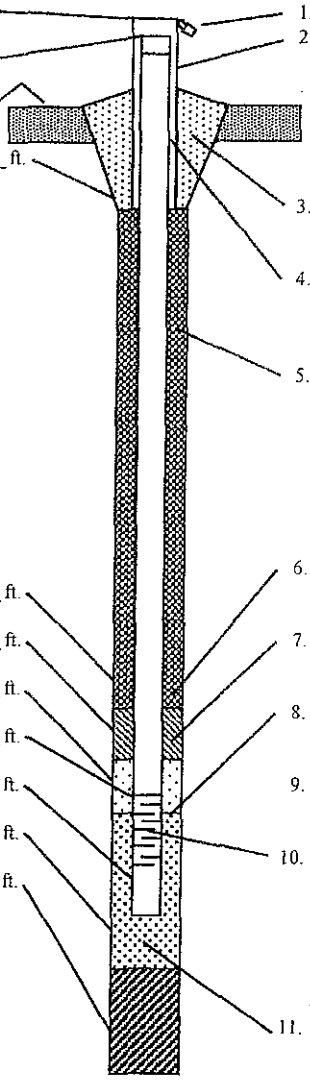
J. Filter pack, bottom _____ ft. MSL or 58 ft.

K. Borehole, bottom _____ ft. MSL or 58 ft.

L. Borehole, diameter 8.0 in.

M. O.D. well casing 2.48 in.

N. I.D. well casing 2.07 in.



1. Cap and lock? ☒ Yes ☐ No
2. Protective cover pipe:
a. Inside diameter: 8.0 in.
b. Length: 1.0 ft.
c. Material: Steel ☒ 04
Other ☐
d. Additional protection? ☐ Yes ☒ No
if yes, describe: _____
3. Surface seal: Bentonite ☒ 30
Concrete ☐ 01
Other ☐
4. Material between well casing and protective pipe:
Bentonite ☒ 30
Annular space seal ☐
Other ☐
5. Annular space seal: a. Granular Bentonite ☒ 33
b. ____ Lbs/gal mud wt. Bentonite-sand slurry ☐ 35
c. ____ Lbs/gal mud weight Bentonite slurry ☐ 31
d. ____ % Bentonite Bentonite-cement grout ☐ 50
e. 12.4 ft³ volume added for any of the above
f. How installed: Tremie ☐ 01
Tremie pumped ☐ 02
Gravity ☒ 08
6. Bentonite seal: a. Bentonite granules ☐ 33
b. ☐ 1/4 in. ☐ 1/2 in. ☒ 3/8 in. Bentonite pellets ☒ 32
c. _____ Other ☐
7. Fine sand material:
a. Red Flint No. 45-55
b. Volume added 0.7 ft³
8. Filter pack material:
a. Red Flint No. 40 RFWS - 34
b. Volume added 5.6 ft³
9. Well casing: Flush threaded PVC schedule 40 ☒ 23
Flush threaded PVC schedule 80 ☐ 24
_____ Other ☐
10. Screen material: Sch. 40 PVC
a. Screen type: Factory cut ☒ 11
Continuous slot ☐ 01
_____ Other ☐
b. Manufacturer Diedrich Drill
c. Slot size: 0.010 in.
d. Slotted length: 15.0 ft.
11. Backfill material (below filter pack): None ☒ 14
_____ Other ☐

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

Signature _____ Firm PROFESSIONAL SERVICE INDUSTRIES, INC.

Please complete both sides of this form and return to the appropriate DNR office listed at the top of this form as required by chs. 144, 147 and 160, Wis. Stats., and ch. NR 141, Wis. Ad. Code. In accordance with ch. 144, Wis. Stats., failure to file this form may result in a forfeiture of not less than $10, nor more than $5000 for each day of violation. In accordance with ch. 147, Wis. Stats., failure to file this form may result in a forfeiture of not more than $10,000 for each day of violation. NOTE: Shaded areas are for DNR use only. See instructions for more information including where the completed form should be sent.

State of Wisconsin
Department of Natural Resources

MONITORING WELL DEVELOPMENT

Form 4400-113B Rev. 7-98

Route to: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment [X] Other ☐ _____

Facility/Project Name	County Name	Well Name
Pizza Place Restaurant	BARRON	MW-1
Facility License, Permit or Monitoring Number	**County Code**	**Wis. Unique Well Number** / **DNR Well ID Number**
	3__	__VP205__ / ____

1. Can this well be purged dry? ☐ Yes X No

2. Well development method

surged with bailer and bailed	☐ 41
surged with bailer and pumped	[X] 61
surged with block and bailed	☐ 42
surged with block and pumped	☐ 62
surged with block, bailed and pumped	☐ 70
compressed air	☐ 20
bailed only	☐ 10
pumped only	☐ 51
pumped slowly	☐ 50
Other _____	☐

3. Time spent developing well 85 min.

4. Depth of well (from top of well casisng) 58 ft.

5. Inside diameter of well 2.07 in.

6. Volume of water in filter pack and well casing 13.4 gal.

7. Volume of water removed from well 93 gal.

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

9. Source of water added _____

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

	Before Development	After Development
11. Depth to Water (from top of well casing)	a. 45.83 ft.	47.4 ft.
Date	b. 05 / 31 / 2017 (m m d d y y y y)	5/ / 31/ / 2017 (m m d d y y y y)
Time	c. 07 : 05 [X] a.m. ☐ p.m.	08 : 30 [X] a.m. ☐ p.m.
12. Sediment in well bottom	____ inches	____ inches
13. Water clarity	Clear ☐ 10 Turbid [X] 15	Clear [X] 20 Turbid ☐ 25
(Describe)	Dark Tan	Clear
	Petro Odor	Petro Odor

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

14. Total suspended solids	____ mg/l	____ mg/l
15. COD	____ mg/l	____ mg/l

16. Well developed by: Name (first, last) and Firm
First Name: Matthew Last Name: Michalski
Firm: METCO

17. Additional comments on development:

Name and Address of Facility Contact /Owner/Responsible Party
First Name: Douglas Last Name: Potvin
Facility/Firm: c/o Janet Diercks
Street: 611 E. Bracklin Street
City/State/Zip: Rice Lake WI 54868-

I hereby certify that the above information is true and correct to the best of my knowledge.
Signature: Matthew C. Michalski
Print Name: Matthew C. Michalski
Firm: METCO

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

State of Wisconsin
Department of Natural Resources

MONITORING WELL DEVELOPMENT

Form 4400-113B Rev. 7-98

Route to: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment [X] Other ☐ _____

Facility/Project Name	County Name	Well Name
Pizza Place Restaurant	BARRON	MW-2
Facility License, Permit or Monitoring Number	**County Code**	**Wis. Unique Well Number** / **DNR Well ID Number**
	3__	VP206 / ____

1. Can this well be purged dry? [X] Yes ☐ No

2. Well development method

surged with bailer and bailed	☐	41
surged with bailer and pumped	[X]	61
surged with block and bailed	☐	42
surged with block and pumped	☐	62
surged with block, bailed and pumped	☐	70
compressed air	☐	20
bailed only	☐	10
pumped only	☐	51
pumped slowly	☐	50
Other _____	☐	____

3. Time spent developing well 95 min.

4. Depth of well (from top of well casisng) 58 ft.

5. Inside diameter of well 2.07 in.

6. Volume of water in filter pack and well casing 13.3 gal.

7. Volume of water removed from well 30 gal.

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

9. Source of water added _____

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

	Before Development	After Development
11. Depth to Water (from top of well casing)	a. 45.95 ft.	52.25 ft.
Date	b. 06 / 01 / 2017 (m m d d y y y y)	06 / 02 / 2017 (m m d d y y y y)
Time	c. 06 : 55 [X] a.m. ☐ p.m.	08 : 30 [X] a.m. ☐ p.m.
12. Sediment in well bottom	____ inches	____ inches
13. Water clarity	Clear ☐ 10 Turbid [X] 15	Clear [X] 20 Turbid ☐ 25
(Describe)	Dark Tan	Clear
	Petro Odor	Petro Odor

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

14. Total suspended solids	____ mg/l	____ mg/l
15. COD	____ mg/l	____ mg/l

16. Well developed by: Name (first, last) and Firm
First Name: Matthew Last Name: Michalski
Firm: METCO

17. Additional comments on development:

Name and Address of Facility Contact /Owner/Responsible Party
First Name: Douglas Last Name: Potvin
Facility/Firm: c/o Janet Diercks
Street: 611 E. Bracklin Street
City/State/Zip: Rice Lake WI 54868-

I hereby certify that the above information is true and correct to the best of my knowledge.
Signature: Matt C Michalski
Print Name: Matthew C. Michalski
Firm: METCO

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

State of Wisconsin
Department of Natural Resources

MONITORING WELL DEVELOPMENT

Form 4400-113B Rev. 7-98

Route to: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment [X] Other ☐ _____

Facility/Project Name	County Name	Well Name
Pizza Place Restaurant	BARRON	MW-3

Facility License, Permit or Monitoring Number	County Code	Wis. Unique Well Number	DNR Well ID Number
	3__	VP207	____

1. Can this well be purged dry? [X] Yes ☐ No

2. Well development method

surged with bailer and bailed	☐	41
surged with bailer and pumped	[X]	61
surged with block and bailed	☐	42
surged with block and pumped	☐	62
surged with block, bailed and pumped	☐	70
compressed air	☐	20
bailed only	☐	10
pumped only	☐	51
pumped slowly	☐	50
Other _____	☐	___

3. Time spent developing well 80 ____ min.

4. Depth of well (from top of well casisng) 58 ____ ft.

5. Inside diameter of well 2.07 ____ in.

6. Volume of water in filter pack and well casing 12.5 ____ gal.

7. Volume of water removed from well 37 ____ gal.

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

9. Source of water added _____

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

	Before Development	After Development
11. Depth to Water (from top of well casing) a.	46.67 ____ ft.	54.11 ____ ft.
Date b.	06 / 02 / 2017 (m m / d d / y y y y)	06 / 02 / 2017 (m m / d d / y y y y)
Time c.	07 : 00 [X] a.m. ☐ p.m.	08 : 20 [X] a.m. ☐ p.m.
12. Sediment in well bottom	____ inches	____ inches
13. Water clarity	Clear ☐ 10 Turbid [X] 15	Clear [X] 20 Turbid ☐ 25
(Describe)	Dark Tan	Clear
	No Odor	No Odor
14. Total suspended solids	____ mg/l	____ mg/l
15. COD	____ mg/l	____ mg/l

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

16. Well developed by: Name (first, last) and Firm
First Name: Matthew Last Name: Michalski
Firm: METCO

17. Additional comments on development:

Name and Address of Facility Contact /Owner/Responsible Party
First Name: Douglas Last Name: Potvin
Facility/Firm: c/o Janet Diercks
Street: 611 E. Bracklin Street
City/State/Zip: Rice Lake WI 54868-

I hereby certify that the above information is true and correct to the best of my knowledge.
Signature: Matthew C. Michalski
Print Name: Matthew C. Michalski
Firm: METCO

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

State of Wisconsin
Department of Natural Resources

MONITORING WELL DEVELOPMENT

Form 4400-113B Rev. 7-98

Route to: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment [X] Other ☐ _____

Facility/Project Name	County Name	Well Name
Pizza Place Restaurant	BARRON	MW-4
Facility License, Permit or Monitoring Number	**County Code**	**Wis. Unique Well Number** / **DNR Well ID Number**
	3	VP208 /

1. Can this well be purged dry? [X] Yes ☐ No

2. Well development method

surged with bailer and bailed	☐ 41
surged with bailer and pumped	[X] 61
surged with block and bailed	☐ 42
surged with block and pumped	☐ 62
surged with block, bailed and pumped	☐ 70
compressed air	☐ 20
bailed only	☐ 10
pumped only	☐ 51
pumped slowly	☐ 50
Other _____	☐

3. Time spent developing well: 90 min.

4. Depth of well (from top of well casisng): 58 ft.

5. Inside diameter of well: 2.07 in.

6. Volume of water in filter pack and well casing: 13 gal.

7. Volume of water removed from well: 33 gal.

8. Volume of water added (if any): ____ gal.

9. Source of water added _____

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

	Before Development	After Development
11. Depth to Water (from top of well casing)	a. 46.21 ft.	50.12 ft.
Date	b. 06 / 02 / 2017 (m m d d y y y y)	06 / 02 / 2017 (m m d d y y y y)
Time	c. 03 : 00 ☐ a.m. [X] p.m.	04 : 30 ☐ a.m. [X] p.m.
12. Sediment in well bottom	____ inches	____ inches
13. Water clarity	Clear ☐ 10 Turbid [X] 15	Clear [X] 20 Turbid ☐ 25
(Describe)	Dark Tan	Light Tan to Clear
	No Odor	No Odor

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

14. Total suspended solids	____ mg/l	____ mg/l
15. COD	____ mg/l	____ mg/l

16. Well developed by: Name (first, last) and Firm
First Name: Matthew Last Name: Michalski
Firm: METCO

17. Additional comments on development:

Name and Address of Facility Contact /Owner/Responsible Party
First Name: Douglas Last Name: Potvin
Facility/Firm: c/o Janet Diercks
Street: 611 E. Bracklin Street
City/State/Zip: Rice Lake WI 54868-

I hereby certify that the above information is true and correct to the best of my knowledge.
Signature: [signature]
Print Name: Matthew C. Michalski
Firm: METCO

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

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

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

Facility / Project Name	License / Permit / Monitoring Number	Boring Number
Pizza Place Restaurant		G-1

Boring Drilled By: Name of crew chief (first, last) and Firm	Drilling Date Started	Drilling Date Completed	Drilling Method
First: Darrin Last: Prentice	01/09/2017	01/09/2017	Geoprobe
Firm: Geiss Soil Services	MM/ DD/ YYYY	MM /DD/ YYYY	

WI Unique Well No.	DNR Well ID No.	Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
				1250 feet MSL	2 inches

Local Grid Origin (estimated X) or Boring Location		Local Grid Location
State Plane N, E	Lat 45° 23 ' 55 " N	N E
NE ¼ of SW ¼ of Section 30 , T 34 N, R 14 W	Long 92° 8 ' 45 W	Feet S Feet W

Facility ID	County	County Code	Civil Town / City / Village
None	Barron	3	Turtle Lake

Sample Number & Type	Length Att. & Recovered (in)	Blow Counts	Depth in Feet (below ground surface)	Soil / Rock Description And Geologic Origin For Each Major Unit	Soil Properties: USCS	Graphic Log	Well Diagram	PID / FID	Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD / Comments
G-1-1 (0-2 feet)	48 30		0	0-2' Red Silty Sand	SM			1644		Dry				Petro odor
				Refusal @2 feet. EOB at 2 feet bgs. Borehole abandoned.										
			6											
			12											
			18											
			24											
			30											
			36											
			42											
			48											
			54											
			60											
			66											
			72											

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

Signature: Firm: **METCO**

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

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION
Form 4400-122 Rev. 7-98

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

Facility / Project Name	License / Permit / Monitoring Number	Boring Number
Pizza Place Restaurant		G-2

Boring Drilled By: Name of crew chief (first, last) and Firm	Drilling Date Started	Drilling Date Completed	Drilling Method
First: Darrin Last: Prentice	01/09/2017	01/09/2017	Geoprobe
Firm: Geiss Soil Services	MM/ DD/ YYYY	MM /DD/ YYYY	

WI Unique Well No.	DNR Well ID No.	Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
				1250 feet MSL	2 inches

Local Grid Origin (estimated X) or Boring Location		Local Grid Location
State Plane N, E	Lat 45° 23 ' 55 " N	N E
NE ¼ of SW ¼ of Section 30 , T 34 N, R 14 W	Long 92° 8 ' 45 W	Feet S Feet W

Facility ID	County	County Code	Civil Town / City / Village
None	Barron	3	Turtle Lake

Sample					Soil Properties										
Number & Type	Length Att. & Recovered (in)	Blow Counts	Depth in Feet (below ground surface)	Soil / Rock Description And Geologic Origin For Each Major Unit	U S C S	Graphic Log	Well Diagram	PID / FID	Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD / Comments
G-2-1 (0-4 feet)	48 48			Concrete 0-4' Red silty sand	SM			1553		Dry				Petro odor
G-2-2 (4-8 feet)	48 48		6	4-9' Red sandy silt	ML			1541		M				Petro odor
G-2-3 (8-12 feet)	48 24		12					1381		Dry				Petro odor
G-2-4 (12-16 feet)	48 2			9-20' Red very fine to fine grained sand	SP			76		Dry				Slight Petro odor
G-2-5 (16-20 feet)	48 4		18					9.1		Dry				Slight Petro odor
G-2-6 (20-24 feet)	48 24		24	20-24' Red very fine to fine grained sand with gravel	SP			3.6		Dry				Slight Petro odor
G-2-7 (24-28 feet)	48 36			24-28' Red silty sand with gravel	SM			911		M				Petro odor
G-2-8 (28-32 feet)	48 42		30	28-32' Red silty sand	SM			1522		M				Petro odor
G-2-9 (32-36 feet)	48 42		36					997		M				Petro odor
G-2-10 (36-40 feet)	48 42			32-40' Red silty sand with gravel	SM			77		M				Petro odor
G-2-11 (40-44 feet)	48 42		42	40-44' Red silty sand	SM			98		M				Petro odor
G-2-12 (44-48 feet)	48 48		48	44-48' Red sandy silt	ML			68		M/W				Petro odor
G-2-13 (48-52 feet)	48 48			48-52' Red sandy silt with gravel	ML			64		W				Petro odor
			54	EOB at 52 feet bgs. Temp well installed w/ screen 44-49 feet, no recovery after two days. Temp well removed. Borehole abandoned.										
			60											
			66											
			72											

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

Signature: Firm: **METCO**

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State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION
Form 4400-122 Rev. 7-98

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

Facility / Project Name	License / Permit / Monitoring Number	Boring Number
Pizza Place Restaurant		G-3

Boring Drilled By: Name of crew chief (first, last) and Firm	Drilling Date Started	Drilling Date Completed	Drilling Method
First: Darrin Last: Prentice	01/09/2017	01/09/2017	Geoprobe
Firm: Geiss Soil Services	MM/ DD/ YYYY	MM /DD/ YYYY	

WI Unique Well No.	DNR Well ID No.	Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
				1250 feet MSL	2 inches

Local Grid Origin (estimated X) or Boring Location		Local Grid Location
State Plane N, E	Lat 45° 23 ' 55 " N	N E
NE ¼ of SW ¼ of Section 30 , T 34 N, R 14 W	Long 92° 8 ' 45 W	Feet S Feet W

Facility ID	County	County Code	Civil Town / City / Village
None	Barron	3	Turtle Lake

Sample					Soil Properties									
Number & Type	Length Att. & Recovered (in)	Blow Counts	Depth in Feet (below ground surface)	Soil / Rock Description And Geologic Origin For Each Major Unit	U S C S	Graphic Log	Well Diagram	PID / FID	Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD / Comments
G-3-1 (0-4 feet)	48 30			0-8' Gray silt, sand, and gravel	FILL			0.4		M				No Petro odor
G-3-2 (4-8 feet)	48 6		6					0.4		M				No Petro odor
G-3-3 (8-12 feet)	48 24		12	8-20' Gray sandy silt with gravel	ML			0.4		M/W				No Petro odor
G-3-4 (12-16 feet)	48 30							0.5		M				No Petro odor
G-3-5 (16-20 feet)	48 30		18					0.9		M				No Petro odor
G-3-6 (20-24 feet)	48 24		24	20-28' Red fine to coarse grained silty sand with gravel	SM			0.3		M				No Petro odor
G-3-7 (24-28 feet)	48 24							0.3		M				No Petro odor
G-3-8 (28-32 feet)	48 30		30	28-34' Red very fine to fine grained sand	SP			0.8		M				No Petro odor
G-3-9 (32-36 feet)	48 30			34-36' Red silty sand with gravel	SM			0.7		M				No Petro odor
G-3-10 (36-40 feet)	48 42		36					0.6		M				No Petro odor
G-3-11 (40-44 feet)	48 48		42	36-57' Red sandy silt with gravel	ML			1.1		M				No Petro odor
G-3-12 (44-48 feet)	48 48							3.7		M/W				Slight Petro odor
G-3-13 (48-52 feet)	48 48		48					7.7		W				Slight Petro odor
G-3-14 (52-56 feet)	48 48		54					8.9		W				Slight Petro odor
G-3-15 (56-57 feet)	48 24							13.6		W				Slight Petro odor
			60	EOB at 57 feet bgs, geoprobe refusal. Groundwater sample G-3-W collected at 42-57 feet.										
			66											
			72											

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

Signature: Firm: **METCO**

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION
Form 4400-122 Rev. 7-98

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

Facility / Project Name	License / Permit / Monitoring Number	Boring Number
Pizza Place Restaurant		G-4

Boring Drilled By: Name of crew chief (first, last) and Firm	Drilling Date Started	Drilling Date Completed	Drilling Method
First: Darrin Last: Prentice	01/09/2017	01/09/2017	Geoprobe
Firm: Geiss Soil Services	MM/ DD/ YYYY	MM /DD/ YYYY	

WI Unique Well No.	DNR Well ID No.	Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
				1250 feet MSL	2 inches

Local Grid Origin (estimated X) or Boring Location		Local Grid Location
State Plane N, E	Lat 45° 23 ' 55 " N	N E
NE ¼ of SW ¼ of Section 30 , T 34 N, R 14 W	Long 92° 8 ' 45 W	Feet S Feet W

Facility ID	County	County Code	Civil Town / City / Village
None	Barron	3	Turtle Lake

Sample 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	Soil Properties: PID / FID	Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD / Comments
G-4-1 (0-4 feet)	48 30			0-4' Brown silt, sand, and gravel	FILL			0.2		M				No Petro odor
G-4-2 (4-8 feet)	48 24		6					0.3		M				No Petro odor
G-4-3 (8-12 feet)	48 30			4-16' Red sandy silt	ML			0.3		M				No Petro odor
G-4-4 (12-16 feet)	48 24		12					0.3		M				No Petro odor
G-4-5 (16-20 feet)	48 18		18	16-20' Red silty sand with gravel	SM			0.2		M				No Petro odor
G-4-6 (20-24 feet)	48 0			20-24' No recovery										
G-4-7 (24-28 feet)	48 12		24	24-28' Red silty sand with gravel	SM			0.7		M				No Petro odor
G-4-8 (28-32 feet)	48 36		30	28-32' Red sandy silt with gravel	ML			2.2		M				No Petro odor
G-4-9 (32-36 feet)	48 42			32-35' Tan very fine to fine grained sand	SP			3.6		M				No Petro odor
			36	35-36' Red sandy silt	ML									
G-4-10 (36-40 feet)	48 42							2.3		M				No Petro odor
G-4-11 (40-44 feet)	48 48		42					2.4		M				No Petro odor
G-4-12 (44-48 feet)	48 48				ML			1.5		M/W				No Petro odor
			48	36-60' Red sandy silt with gravel										
G-4-13 (48-52 feet)	48 48							0.5		W				No Petro odor
G-4-14 (52-56 feet)	48 48		54					1.7		W				No Petro odor
G-4-15 (56-60 feet)	48 48							5.1		W				Petro odor
			60	EOB at 60 feet bgs. Groundwater sample G-4-W collected at 56-60 feet bgs. Borehole abandoned.										
			66											
			72											

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

Signature: Firm: **METCO**

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State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION
Form 4400-122 Rev. 7-98

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

Facility / Project Name	License / Permit / Monitoring Number	Boring Number
Pizza Place Restaurant		G-5

Boring Drilled By: Name of crew chief (first, last) and Firm	Drilling Date Started	Drilling Date Completed	Drilling Method
First: Darrin Last: Prentice	01/10/2017	01/10/2017	Geoprobe
Firm: Geiss Soil Services	MM/ DD/ YYYY	MM /DD/ YYYY	

WI Unique Well No.	DNR Well ID No.	Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
				1250 feet MSL	2 inches

Local Grid Origin (estimated X) or Boring Location		Local Grid Location
State Plane N, E	Lat 45° 23 ' 55 " N	N E
NE ¼ of SW ¼ of Section 30 , T 34 N, R 14 W	Long 92° 8 ' 45 W	Feet S Feet W

Facility ID	County	County Code	Civil Town / City / Village
None	Barron	3	Turtle Lake

Sample					Soil Properties									
Number & Type	Length Att. & Recovered (in)	Blow Counts	Depth in Feet (below ground surface)	Soil / Rock Description And Geologic Origin For Each Major Unit	U S C S	Graphic Log	Well Diagram	PID / FID	Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD / Comments
G-5-1 (0-4 feet)	48 12			Concrete 0-4' Tan fine grained sand	SP					Dry				No Petro odor
G-5-2 (4-8 feet)	48 42		6	4-12' Brown sandy silt	ML			23		W				Slight Petro odor
G-5-3 (8-12 feet)	48 42		12					30		M				Slight Petro odor
G-5-4 (12-16 feet)	48 36			12-19' Tan very fine to medium grained sand	SP			1.2		Dry				No Petro odor
G-5-5 (16-20 feet)	48 30		18	19-20' Tan fine to coarse grained sand with gravel	SP			1.0		Dry				No Petro odor
G-5-6 (20-24 feet)	48 30		24	20-28' Tan sandy silt	ML			1.0		M				No Petro odor
G-5-7 (24-28 feet)	48 30							0.9		M				No Petro odor
G-5-8 (28-32 feet)	48 42		30	28-30' Brown sandy silt	ML			1.1		M				Slight Petro odor
G-5-9 (32-36 feet)	48 42			30-32' Tan very fine to fine grained sand	SP			0.8		M				No Petro odor
G-5-10 (36-40 feet)	48 48		36	32-40' Tan sandy silt	ML			1.1		M				No Petro odor
			42	EOB at 40 feet bgs. Borehole abandoned.										
			48											
			54											
			60											
			66											
			72											

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

Signature: Firm: METCO

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State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

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

Facility / Project Name	License / Permit / Monitoring Number	Boring Number
Pizza Place Restaurant		G-6

Boring Drilled By: Name of crew chief (first, last) and Firm	Drilling Date Started	Drilling Date Completed	Drilling Method
First: Darrin Last: Prentice	01/10/2017	01/10/2017	Geoprobe
Firm: Geiss Soil Services	MM/ DD/ YYYY	MM /DD/ YYYY	

WI Unique Well No.	DNR Well ID No.	Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
				1250 feet MSL	2 inches

Local Grid Origin (estimated X) or Boring Location		Local Grid Location
State Plane N, E	Lat 45° 23 ' 55 " N	N E
NE ¼ of SW ¼ of Section 30 , T 34 N, R 14 W	Long 92° 8 ' 45 W	Feet S Feet W

Facility ID	County	County Code	Civil Town / City / Village
None	Barron	3	Turtle Lake

Sample					Soil Properties									
Number & Type	Length Att. & Recovered (in)	Blow Counts	Depth in Feet (below ground surface)	Soil / Rock Description And Geologic Origin For Each Major Unit	U S C S	Graphic Log	Well Diagram	PID / FID	Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD / Comments
G-6-1 (0-4 feet)	48 48			0-4' Brown sandy silt with gravel	ML			573		M				Petro odor
G-6-2 (4-8 feet)	48 48		6	4-8' Brown sandy silt	ML			393		M				Petro odor
G-6-3 (8-12 feet)	48 42		12	8-12' Brown silty sand	SM			1179		M				Petro odor
G-6-4 (12-16 feet)	48 12			12-16' Red sandy silt	ML			54		M				Petro odor
G-6-5 (16-20 feet)	48 12		18	16-20' Red silty sand with gravel	SM			1.6		M				Slight Petro odor
G-6-6 (20-24 feet)	48 42		24					0.9		M				No Petro odor
G-6-7 (24-28 feet)	48 42							0.4		M				No Petro odor
G-6-8 (28-32 feet)	48 42		30					1.1		M				No Petro odor
G-6-9 (32-36 feet)	48 6							1.0		M				No Petro odor
G-6-10 (36-40 feet)	48 6		36	20-60' Red sandy silt with gravel	ML			0.8		M				No Petro odor
G-6-11 (40-44 feet)	48 6		42					0.7		M				No Petro odor
G-6-12 (44-48 feet)	48 36							1.2		M				No Petro odor
G-6-13 (48-52 feet)	48 48		48					0.9		W				No Petro odor
G-6-14 (52-56 feet)	48 48		54					0.7		W				No Petro odor
G-6-15 (56-60 feet)	48 48							1.0		W				Petro odor
			60	EOB at 60 feet bgs. Groundwater sample G-6-W collected at 56-60 feet bgs. Borehole abandoned.										
			66											
			72											

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

Signature: Firm: **METCO**

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

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

Facility / Project Name	License / Permit / Monitoring Number	Boring Number
Pizza Place Restaurant		G-7

Boring Drilled By: Name of crew chief (first, last) and Firm	Drilling Date Started	Drilling Date Completed	Drilling Method
First: Darrin Last: Prentice	01/10/2017	01/10/2017	Geoprobe
Firm: Geiss Soil Services	MM/ DD/ YYYY	MM /DD/ YYYY	

WI Unique Well No. DNR Well ID No.	Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
			1250 feet MSL	2 inches

Local Grid Origin (estimated X) or Boring Location		Local Grid Location
State Plane N, E	Lat 45° 23 ' 55 " N	N E
NE ¼ of SW ¼ of Section 30 , T 34 N, R 14 W	Long 92° 8 ' 45 W	Feet S Feet W

Facility ID	County	County Code	Civil Town / City / Village
None	Barron	3	Turtle Lake

Sample 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	Soil Properties: PID / FID	Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD / Comments
G-7-1 (0-4 feet)	48 48			0-10' Red sandy silt with gravel	ML			1.3		M				No Petro odor
G-7-2 (4-8 feet)	48 42		6					0.4		M				No Petro odor
G-7-3 (8-12 feet)	48 42		12	10-16' Red silty sand with gravel	SM			0.6		M				No Petro odor
G-7-4 (12-16 feet)	48 48							1.1		M				No Petro odor
G-7-5 (16-20 feet)	48 48		18	16-28' Red sandy silt	ML			1.1		W/M				No Petro odor
G-7-6 (20-24 feet)	48 48		24					0.9		M				No Petro odor
G-7-7 (24-28 feet)	48 48							0.6		M				No Petro odor
G-7-8 (28-32 feet)	48 48		30					0.7		M				No Petro odor
G-7-9 (32-36 feet)	48 48		36					0.7		M				No Petro odor
G-7-10 (36-40 feet)	48 48			28-53' Red sandy silt with gravel	ML			0.8		M				No Petro odor
G-7-11 (40-44 feet)	48 48		42					0.9		M				No Petro odor
G-7-12 (44-48 feet)	48 48		48					0.4		M				No Petro odor
G-7-13 (48-52 feet)	48 48							0.8		W				No Petro odor
G-7-14 (52-56 feet)	48 48		54	53-55' Red fine to medium grained sand	SP			0.7		W				No Petro odor
G-7-15 (56-60 feet)	48 48			55-60' Red sandy silt with gravel	ML			0.8		W				No Petro odor
			60	EOB at 60 feet bgs. Groundwater sample G-7-W collected at 56-60 feet bgs. Borehole abandoned.										
			66											
			72											

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

Signature: Firm: **METCO**

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State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

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

Facility / Project Name	License / Permit / Monitoring Number	Boring Number
Pizza Place Restaurant		G-8

Boring Drilled By: Name of crew chief (first, last) and Firm	Drilling Date Started	Drilling Date Completed	Drilling Method
First: Darrin Last: Prentice	01/10/2017	01/10/2017	Geoprobe
Firm: Geiss Soil Services	MM/ DD/ YYYY	MM /DD/ YYYY	

WI Unique Well No.	DNR Well ID No.	Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
				1250 feet MSL	2 inches

Local Grid Origin (estimated X) or Boring Location		Local Grid Location
State Plane N, E	Lat 45° 23 ' 55 " N	N E
NE ¼ of SW ¼ of Section 30 , T 34 N, R 14 W	Long 92° 8 ' 45 W	Feet S Feet W

Facility ID	County	County Code	Civil Town / City / **Village**
None	Barron	3	Turtle Lake

Sample					Soil Properties									
Number & Type	Length Att. & Recovered (in)	Blow Counts	Depth in Feet (below ground surface)	Soil / Rock Description And Geologic Origin For Each Major Unit	U S C S	Graphic Log	Well Diagram	PID / FID	Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD / Comments
G-8-1 (0-4 feet)	48 42			0-4' Tan sand, silt, and gravel	FILL			0.8		M				No Petro odor
G-8-2 (4-8 feet)	48 42		6	4-8' Red sandy silt with gravel	ML			0.4		M				No Petro odor
G-8-3 (8-12 feet)	48 30		12	8-18' Tan fine to coarse grained sand with gravel	SP			0.3		Dry				No Petro odor
G-8-4 (12-16 feet)	48 30							0.2		Dry				No Petro odor
G-8-5 (16-20 feet)	48 24		18	18-20' Red sandy silt	ML			0.4		M				No Petro odor
G-8-6 (20-24 feet)	48 30		24	20-56' Red sandy silt with gravel	ML			0.4		M				No Petro odor
G-8-7 (24-28 feet)	48 36							0.3		M				No Petro odor
G-8-8 (28-32 feet)	48 42		30					0.3		M				No Petro odor
G-8-9 (32-36 feet)	48 42		36					0.3		M				No Petro odor
G-8-10 (36-40 feet)	48 48							0.2		M				No Petro odor
G-8-11 (40-44 feet)	48 48		42					0.4		M				No Petro odor
G-8-12 (44-48 feet)	48 48							0.3		M/W				No Petro odor
G-8-13 (48-52 feet)	48 48		48					0.3		W				No Petro odor
G-8-14 (52-56 feet)	48 48		54					0.2		W				No Petro odor
			60	EOB at 56 feet bgs. Groundwater sample G-8-W collected at 52-56 feet bgs. Borehole abandoned.										
			66											
			72											

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

Signature: Firm: **METCO**

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SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

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

Facility / Project Name	License / Permit / Monitoring Number	Boring Number
Pizza Place Restaurant		G-9

Boring Drilled By: Name of crew chief (first, last) and Firm	Drilling Date Started	Drilling Date Completed	Drilling Method
First: Darrin Last: Prentice	01/10/2017	01/10/2017	Geoprobe
Firm: Geiss Soil Services	MM/ DD/ YYYY	MM /DD/ YYYY	

WI Unique Well No.	DNR Well ID No.	Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
				1250 feet MSL	2 inches

Local Grid Origin (estimated X) or Boring Location		Local Grid Location
State Plane N, E	Lat 45° 23 ' 55 " N	N E
NE ¼ of SW ¼ of Section 30 , T 34 N, R 14 W	Long 92° 8 ' 45 W	Feet S Feet W

Facility ID	County	County Code	Civil Town / City / **Village**
None	Barron	3	Turtle Lake

Sample					Soil Properties									
Number & Type	Length Att. & Recovered (in)	Blow Counts	Depth in Feet (below ground surface)	Soil / Rock Description And Geologic Origin For Each Major Unit	U S C S	Graphic Log	Well Diagram	PID / FID	Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD / Comments
G-9-1 (0-4 feet)	48 42			0-4' Brown silt, sand, and gravel	FILL			7.6		Dry				No Petro odor
G-9-2 (4-8 feet)	48 48		6	4-8' Brown sandy silt	ML			6.3		W				Slight Petro odor
G-9-3 (8-12 feet)	48 48		12	8-14' Brown sandy silt with gravel	ML			8.2		M				Slight Petro odor
G-9-4 (12-16 feet)	48 30		18					0.2		M				No Petro odor
G-9-5 (16-20 feet)	48 24							0.1		Dry				No Petro odor
G-9-6 (20-24 feet)	48 24		24					0.3		Dry				No Petro odor
G-9-7 (24-28 feet)	48 36			14-32' Tan fine to coarse grained sand with gravel	SP			0.4		M				No Petro odor
G-9-8 (28-32 feet)	48 36		30					3.8		M				Petro odor from 31-32'
G-9-9 (32-36 feet)	48 42		36					68		M				Petro odor
G-9-10 (36-40 feet)	48 42			32-40' Red sandy silt	ML			38		M				Petro odor
			42	EOB at 40 feet bgs. Borehole abandoned.										
			48											
			54											
			60											
			66											
			72											

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

Signature: Firm: **METCO**

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State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

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

Facility / Project Name	License / Permit / Monitoring Number	Boring Number
Pizza Place Restaurant		G-10

Boring Drilled By: Name of crew chief (first, last) and Firm	Drilling Date Started	Drilling Date Completed	Drilling Method
First: Darrin Last: Prentice	01/11/2017	01/11/2017	Geoprobe
Firm: Geiss Soil Services	MM/ DD/ YYYY	MM /DD/ YYYY	

WI Unique Well No.	DNR Well ID No.	Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
				1250 feet MSL	2 inches

Local Grid Origin (estimated X) or Boring Location		Local Grid Location
State Plane N, E	Lat 45° 23 ' 55 " N	N E
NE ¼ of SW ¼ of Section 30 , T 34 N, R 14 W	Long 92° 8 ' 45 W	Feet S Feet W

Facility ID	County	County Code	Civil Town / City / **Village**
None	Barron	3	Turtle Lake

Sample					Soil Properties									
Number & Type	Length Att. & Recovered (in)	Blow Counts	Depth in Feet (below ground surface)	Soil / Rock Description And Geologic Origin For Each Major Unit	U S C S	Graphic Log	Well Diagram	PID / FID	Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD / Comments
G-10-1 (0-4 feet)	48 48			0-4' Brown silt, sand, and gravel	FILL			0.4		M				No Petro odor
G-10-2 (4-8 feet)	48 30		6	4-8' Brown sandy silt	ML			2.4		M				No Petro odor
G-10-3 (8-12 feet)	48 0		12	8-12' No recovery										
G-10-4 (12-16 feet)	48 12							0.5		W				No Petro odor
G-10-5 (16-20 feet)	48 24		18					0.6		W				No Petro odor
G-10-6 (20-24 feet)	48 24			12-32' Brown sandy silt	ML			0.5		W				No Petro odor
G-10-7 (24-28 feet)	48 42		24					0.4		W				No Petro odor
G-10-8 (28-32 feet)	48 48							0.5		W				No Petro odor
G-10-9 (32-36 feet)	48 42		30	32-36' Red sandy silt with gravel and cobbles	ML			0.7		M				No Petro odor
G-10-10 (36-40 feet)	48 48		36					0.8		M				No Petro odor
G-10-11 (40-44 feet)	48 42							0.5		M				No Petro odor
G-10-12 (44-48 feet)	48 42		42	36-48' Red sandy silt with gravel	ML			0.5		M/W				No Petro odor
G-10-13 (48-50 feet)	24 30		48	48-50' Red sandy silt with gravel and cobbles	ML			0.7		W				No Petro odor
			54	Refusal at 50'. EOB at 50 feet bgs. Groundwater sample G-10-W collected at 46-50 feet. Borehole abandoned.										
			60											
			66											
			72											

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

Signature: Firm: **METCO**

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

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

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

Facility / Project Name	License / Permit / Monitoring Number	Boring Number
Pizza Place Restaurant		MW-1

Boring Drilled By: Name of crew chief (first, last) and Firm	Drilling Date Started	Drilling Date Completed	Drilling Method
First: Joe Last:	5/30/2017	5/30/2017	H.S.A.
Firm: PSI Intertec	MM/ DD/ YYYY	MM /DD/ YYYY	

WI Unique Well No.	DNR Well ID No.	Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
VP205		MW-1	1208.86 Feet MSL	1255.11 Feet MSL	8

Local Grid Origin (estimated X) or Boring Location		Local Grid Location	
State Plane N, E	Lat 45° 23 ' 55 " N	N	E
NE ¼ of SW ¼ of Section 30 , T 34 N, R 14 W	Long 92° 8 ' 45 W	Feet S	Feet W

Facility ID	County	County Code	Civil Town / City / **Village**
None	Barron	3	Turtle Lake

Sample Number & Type	Length Att. & Recovered (in)	Blow Counts	Depth in Feet (below ground surface)	Soil / Rock Description And Geologic Origin For Each Major Unit	U S C S	Graphic Log	Well Diagram	Soil Properties PID / FID	Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD / Comments
				Gravel										
MW-1-1 (3 feet)	24 18	1,2,2,1	5	2-4' Brown Silty/Clayey Very Fine to Medium Grained Sand with Gravel. Wood Chunk @ 3' (FILL)	FILL			539.9		M				Slight Petro Odor
				6-7' Dark Brown Peaty Silt/Clay	PT									
MW-1-2 (8 feet)	24 18	1,3,2,1		7-8' Brown to Greyish Tan Sandy (Fine to Medium Grained) Silt/Clay	ML/CL			32.5		M				No Petro Odor/Staining
MW-1-3 (12 feet)	24 18	2,3,6,5	10	10-12' Greyish Tan to Tan Sandy (Fine to Medium Grained) Silt/Clay	ML/CL			29.8		M				No Petro Odor/Staining
MW-1-4 (16 feet)	24 12	4,5,6,5	15	14-16' Brown Silty/Clayey Very Fine to Medium Grained Sand with Gravel	SM/SC			54.2		M				Slight Petro Odor
MW-1-5 (20 feet)	24 24	4,5,7,5	20	18-20' Brown Silty/Clayey Very Fine to Medium Grained Sand with Gravel	SM/SC			358.7		M				Slight Petro Odor
MW-1-6 (24 feet)	24 6	5,8,10,5	25	22-24' Tan to Light Brown Fine to Very Coarse Sand with Gravel	SP		See Well Construction Form	18.3		M				No Petro Odor/Staining
MW-1-7 (28 feet)	24 6	6,10,13,10		26-28' Tan to Light Brown Fine to Very Coarse Sand with Gravel	SP			14.2		M				No Petro Odor/Staining
MW-1-8 (31.5 feet)	24 18	3,4,3,3	30	30-31.5' Tan to Light Brown Fine to Very Coarse Sand 31.5-32' Brown Sandy (Very Fine to Medium Grained) Silt/Clay	SP ML/CL			>5,000		M/W				Petro Odor 30-31.5 feet
MW-1-9 (36 feet)	24 18	2,6,10,5	35	34-36' Brown to Dark Tan Sandy (Very Fine to Medium Grained) Silt/Clay with trace Gravel	ML/CL			1362		W				Petro Odor
MW-1-10 (40 feet)	24 24	7,8,9,9	40	38-40' Reddish Tan Silty/Clayey Very Fine to Medium Grained Sand with trace Gravel	SM/SC			346.2		M				Slight Petro Odor
MW-1-11 (44 feet)	24 24	6,13,12,11	45	42-44' Reddish Tan Silty/Clayey Very Fine to Medium Grained Sand with trace Gravel	SM/SC			608.5		M				Slight Petro Odor
MW-1-12 (48 feet)	24 24	3,7,10,9	50	46-48' Reddish Tan Silty/Clayey Very Fine to Medium Grained Sand with trace Gravel	SM/SC			2358		M				Petro Odor
MW-1-13 (50-52 feet)	24 0	12,9,41,50 (3")		50-52' No Recovery										
MW-1-14 (56 feet)	24 24	2,6,5	55	54-56' Tan Very Fine to Coarse Grained Sand	SP			992.7		W				Slight Petro Odor
			60	End of Boring @ 58 feet bgs. Monitoring Well MW-1 installed to 58 feet bgs with a 15 foot screen.										

Signature: Matthew C Nikkel Firm: **METCO**

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

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

Facility / Project Name	License / Permit / Monitoring Number	Boring Number
Pizza Place Restaurant		MW-2

Boring Drilled By: Name of crew chief (first, last) and Firm	Drilling Date Started	Drilling Date Completed	Drilling Method
First: Joe Last:	5/31/2017	5/31/2017	H.S.A.
Firm: PSI Intertec	MM/ DD/ YYYY	MM /DD/ YYYY	

WI Unique Well No.	DNR Well ID No.	Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
VP206		MW-2	1208.73 Feet MSL	1255.20 Feet MSL	8

Local Grid Origin (estimated X) or Boring Location		Local Grid Location
State Plane N, E	Lat 45° 23 ' 55 " N	N E
NE ¼ of SW ¼ of Section 30 , T 34 N, R 14 W	Long 92° 8 ' 45 W	Feet S Feet W

Facility ID	County	County Code	Civil Town / City / Village
None	Barron	3	Turtle Lake

Sample					Soil Properties									
Number & Type	Length Att. & Recovered (in)	Blow Counts	Depth in Feet (below ground surface)	Soil / Rock Description And Geologic Origin For Each Major Unit	U S C S	Graphic Log	Well Diagram	PID / FID	Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD / Comments
				Asphalt										
MW-2-1 (3.5 feet)	24 6	1,1,1,2	5	~~2-2.5' Black Sand & Gravel (FILL)~~ 2.5-4' Brown Sandy (Fine to Coarse Grained) Silt/Clay	FILL ML/CL		See Well Construction Form	4225		M				Strong Petro Odor
				6-7.5' Brown Sandy (Very Fine to Fine Grained) Silt/Clay	ML/CL									
MW-2-2 (8 feet)	24 24	2,7,12,9	10	7.5-8' Brown Very Fine to Fine Grained Sand to Silty Sand	SP/SM			2213		M				Petro Odor
MW-2-3 (12 feet)	24 18	4,7,8,5	15	10-12' Tan to Brown Very Fine to Coarse Grained Sand with Gravel	SP			107.8		M				Petro Odor
MW-2-4 (16 feet)	24 12	2,3,5,5	20	14-16' Tan to Brown Very Fine to Coarse Grained Sand with Gravel	SP			14.9		M				Slight Petro Odor
MW-2-5 (20 feet)	24 12	3,4,6,4	25	18-20' Tan to Brown Very Fine to Coarse Grained Sand with Gravel	SP			16.4		M				Slight Petro Odor
MW-2-6 (24 feet)	24 18	5,6,5,7	30	22-24' Reddish Brown Silty/Clayey Very Fine to Fine Grained Sand with trace Gravel	SP			<5000		M				Petro Odor
MW-2-7 (28 feet)	24 12	3,5,16,16	35	26-28' Reddish Brown Silty/Clayey Very Fine to Fine Grained Sand with trace Gravel	SP			2112		M				Petro Odor
MW-2-8 (32 feet)	24 20	6,8,7,10	40	30-32' Reddish Brown Silty/Clayey Very Fine to Fine Grained Sand with trace Gravel to Sandy (Very Fine to Fine Grained) Silt/Clay with trace Gravel	SM/SC-ML/CL			3020		M				Petro Odor
MW-2-9 (36 feet)	24 20	4,10,10,13	45	34-36' Reddish Brown Silty/Clayey Very Fine to Fine Grained Sand	SP			2439		M				Petro Odor
MW-2-10 (40 feet)	24 20	11,17,21,2 9	50	38-40' Reddish Brown Silty/Clayey Very Fine to Fine Grained Sand with Gravel	SP			2164		M				Petro Odor
MW-2-11 (44 feet)	24 18	8,13,18,18	55	42-44' Reddish Brown Silty/Clayey Very Fine to Fine Grained Sand with Gravel and Cobbles	SP			1739		M				Petro Odor
MW-2-12 (48 feet)	24 15	6,11,13,10	60	46-48' Reddish Brown Silty/Clayey Very Fine to Fine Grained Sand with Gravel and Cobbles	SP			664		M/W				Petro Odor
MW-2-13 (52 feet)	24 17	8,10,9,11		50-52' Reddish Brown Silty/Clayey Very Fine to Fine Grained Sand with Gravel and Cobbles	SP			135.8		M/W				Petro Odor
MW-2-14 (56 feet)	24 24	4,8,15,21		54-56' Reddish Brown Sandy (Very Fine to Fine Grained) Silt/Clay	ML/CL			992.7		W				Petro Odor
				End of Boring @ 58 feet bgs. Monitoring Well MW-2 installed to 58 feet bgs with a 15 foot screen.										

Signature: Firm: **METCO**

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

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

Facility / Project Name	License / Permit / Monitoring Number	Boring Number
Pizza Place Restaurant		MW-3

Boring Drilled By: Name of crew chief (first, last) and Firm	Drilling Date Started	Drilling Date Completed	Drilling Method
First: Joe Last:	5/30/2017	6/1/2017	H.S.A.
Firm: PSI Intertec	MM/ DD/ YYYY	MM /DD/ YYYY	

WI Unique Well No.	DNR Well ID No.	Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
VP207		MW-3	1208.62 Feet MSL	1255.78 Feet MSL	8

Local Grid Origin (estimated X) or Boring Location		Local Grid Location
State Plane N, E	Lat 45° 23 ' 55 " N	N E
NE ¼ of SW ¼ of Section 30 , T 34 N, R 14 W	Long 92° 8 ' 45 W	Feet S Feet W

Facility ID	County	County Code	Civil Town / City / **Village**
None	Barron	3	Turtle Lake

Sample: 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	Soil Properties: PID / FID	Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD / Comments
				Grass										
MW-3-1 (3.5 feet)	24 4	3,1,1,1		2-4' Brown Sandy (Medium to Coarse Grained) Silt/Clay with trace Gravel.	ML/CL			28.6		M				No Petro Odor/Staining
			5											
MW-3-2 (8 feet)	24 24	2,6,11,17		6-8' Tan to Brown Fine to Very Coarse sand with Gravel and Trace Fines	SP			30.0		W				No Petro Odor/Staining
			10											
MW-3-3 (12 feet)	24 12	6,7,11,9		10-12' Brown Sandy (Fine to Medium Grained) Silt/Clay with trace Gravel.	ML/CL			29.8		W				No Petro Odor/Staining
			15											
MW-3-4 (16 feet)	24 18	6,7,6,8		14-16' Brown Sandy (Very Fine to Fine Grained) Silt/Clay with Gravel	ML/CL			1.3		W				No Petro Odor/Staining
				18-20' Brown Sandy (Very Fine to Fine Grained) Silt/Clay with Gravel	ML/CL									
MW-3-5 (20 feet)	24 12	5,6,6,6	20					1.1		W				No Petro Odor/Staining
				22-24' Brown Silty/Clayey Very Fine to Fine Grained Sand with Gravel	SM/SC									
MW-3-6 (24 feet)	24 22	4,5,6,4	25					1.0		M/W				No Petro Odor/Staining
				26-28' Brown Silty/Clayey Very Fine to Fine Grained Sand with Gravel	SM/SC									
MW-3-7 (28 feet)	24 20	7,10,14,15	30					0.3		M				No Petro Odor/Staining
				30-32' Reddish Brown Silty/Clayey Very Fine to Fine Grained Sand with Gravel	SM/SC									
MW-3-8 (31.5 feet)	24 15	6,10,16,8						1.3		W				No Petro Odor/Staining
			35	34-36' Reddish Brown Silty/Clayey Very Fine to Fine Grained Sand with trace Gravel	SM/SC									
MW-3-9 (36 feet)	24 15	6,10,13,8						0.9		W				No Petro Odor/Staining
				38-40' Reddish Brown Sandy (Very Fine to Fine Grained) Silt/Clay with Gravel	ML/CL									
MW-3-10 (40 feet)	24 22	11,16,15 13	40					1.2		M/W				No Petro Odor/Staining
				42-44' Reddish Brown Silty/Clayey Very Fine to Fine Grained Sand with Gravel	SM/SC									
MW-3-11 (44 feet)	24 22	6,9,11,7	45					1.1		M				No Petro Odor/Staining
				46-48' Reddish Brown Silty/Clayey Very Fine to Fine Grained Sand with Gravel	SM/SC									
MW-3-12 (48 feet)	24 20	4,6,10,10	50					3.5		M/W				No Petro Odor/Staining
				50-52' Reddish Brown Sandy (Very Fine to Fine Grained) Silt/Clay with Gravel	ML/CL									
MW-3-13 (52 feet)	24 24	5,7,6,3						1.9		M/W				No Petro Odor/Staining
			55	54-56' Reddish Brown Sandy (Very Fine to Fine Grained) Silt/Clay with Gravel	ML/CL									
MW-3-14 (56 feet)	24 22	5,6,5,5						3.0		W				No Petro Odor/Staining
			60	End of Boring @ 58 feet bgs. Monitoring Well MW-3 installed to 58 feet bgs with a 15 foot screen.										

See Well Construction Form

Signature: Firm: **METCO**

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

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

Facility / Project Name	License / Permit / Monitoring Number	Boring Number
Pizza Place Restaurant		MW-4

Boring Drilled By: Name of crew chief (first, last) and Firm	Drilling Date Started	Drilling Date Completed	Drilling Method
First: Joe Last:	6/1/2017	6/2/2017	H.S.A.
Firm: PSI Intertec	MM/ DD/ YYYY	MM /DD/ YYYY	

WI Unique Well No.	DNR Well ID No.	Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
VP208		MW-4	1208.81 Feet MSL	1255.55 Feet MSL	8

Local Grid Origin (estimated X) or Boring Location		Local Grid Location
State Plane N, E	Lat 45° 23 ' 55 " N	N E
NE ¼ of SW ¼ of Section 30 , T 34 N, R 14 W	Long 92° 8 ' 45 W	Feet S Feet W

Facility ID	County	County Code	Civil Town / City / **Village**
None	Barron	3	Turtle Lake

Sample 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	Soil Properties: PID / FID	Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD / Comments
				Grass										
MW-4-1 (3.5 feet)	24 2	6,12,13,14	5	2-4' Brown to Dark Brown Silty/Clayey Fine to Coarse Grained Sand with Gravel && Cobbles. Large Cobble @ ~5 feet (FILL)	FILL		See Well Construction Form	7.1		M				No Petro Odor/Staining
MW-4-2 (6-8 feet)	24 0			6-8' No Recovery										No Petro Odor/Staining
MW-4-3 (12 feet)	24 24	10,6,5,4	10	10-12' Brown Silty/Clayey Very Fine to Fine Grained Sand with Gravel	SM/SC			1.9		M				No Petro Odor/Staining
MW-4-4 (16 feet)	24 24	7,6,7,14	15	14-16' Brown Silty/Clayey Very Fine to Fine Grained Sand with Gravel & Cobbles	SM/SC			0.8		M				No Petro Odor/Staining
MW-4-5 (20 feet)	24 24	13,11,11 11	20	18-20' Reddish Brown Silty/Clayey Very Fine to Fine Grained Sand with Gravel & Cobbles	SM/SC			0.4		M				No Petro Odor/Staining
MW-4-6 (24 feet)	24 24	30,11,11, 12	25	22-24' Reddish Brown Silty/Clayey Very Fine to Fine Grained Sand with Gravel & Cobbles	SM/SC			0.2		M				No Petro Odor/Staining
MW-4-7 (28 feet)	24 24	28,18,17, 19		26-28' Reddish Brown Silty/Clayey Very Fine to Fine Grained Sand with Gravel & Cobbles	SM/SC			0.4		M				No Petro Odor/Staining
MW-4-8 (31.5 feet)	24 20	8,12,12,11	30	30-32' Reddish Brown Sandy (Very Fine to Fine Grained) Silt/Clay with Gravel	ML/CL			0.2		M				No Petro Odor/Staining
MW-4-9 (36 feet)	24 18	8,10,11,9	35	34-36' Reddish Brown Silty/Clayey Very Fine to Medium Grained Sand with Gravel	SM/SC			0.3		M				No Petro Odor/Staining
MW-4-10 (40 feet)	24 18	8,19,23,22	40	38-40' Reddish Brown Silty/Clayey Very Fine to Medium Grained Sand with Gravel	SM/SC			0.6		M				No Petro Odor/Staining
MW-4-11 (44 feet)	24 24	19,24,29, 34	45	42-44' Reddish Brown Silty/Clayey Very Fine to Medium Grained Sand with Gravel	SM/SC			0.5		M				No Petro Odor/Staining
MW-4-12 (48 feet)	24 24	4,9,10,10		46-48' Reddish Brown Silty/Clayey Very Fine to Medium Grained Sand with Gravel	SM/SC			0.3		M/W				No Petro Odor/Staining
MW-4-13 (50-52 feet)	24 18	5,7,9,8	50	50-52' Reddish Brown Sandy (Very Fine to Medium Grained) Silt/Clay with Gravel	ML/CL			0.4		W				No Petro Odor/Staining
MW-4-14 (56 feet)	24 20	11,23,21, 20	55	54-56' Reddish Brown Silty/Clayey Very Fine to Fine Grained Sand	SM/SC			0.5		W				No Petro Odor/Staining
			60	End of Boring @ 58 feet bgs. Monitoring Well MW-4 installed to 58 feet bgs with a 15 foot screen.										

Signature: Firm: **METCO**

State of Wis., Dept. of Natural Resources
dnr.wi.gov

Well / Drillhole / Borehole Filling & Sealing

Form 3300-005 (R 4/08)

Notice: Completion of this report is required by chs. 160, 281, 283, 289, 291-293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291-293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between $10-25,000, 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. Return form to the appropriate DNR office and bureau. See instructions on reverse for more information.

☐ Verification Only of Fill and Seal

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

1. Well Location Information

County	WI Unique Well # of Removed Well	Hicap #
BARRON	— — — — —	

Latitude / Longitude (Degrees and Minutes) — Method Code (see instructions)

45 ° 23.91 . — — — 'N

92 ° 8.75 . — — — 'W

¼ / ¼	¼	Section	Township	Range	
NE	SW	30	34 N	14	☐ E ☒ W

or Gov't Lot #

Well Street Address: 225 USH 8 & 63

Well City, Village or Town: TURTLE LAKE — Well ZIP Code: 54889-

Subdivision Name — Lot #

Reason For Removal From Service: Sampling Complete — WI Unique Well # of Replacement Well: — — — — —

2. Facility / Owner Information

Facility Name: PIZZA PLACE RESTAURANT

Facility ID (FID or PWS): None

License/Permit/Monitoring #

Original Well Owner: DOUGLAS POTVIN

Present Well Owner: DOUGLAS POTVIN

Mailing Address of Present Owner: 611 E. Bracklin Street

City of Present Owner: Rice Lake — State: WI — ZIP Code: 54868-

3. Well / Drillhole / Borehole Information

☐ Monitoring Well ☐ Water Well ☒ Borehole / Drillhole

Original Construction Date (mm/dd/yyyy): 1/9/2017

If a Well Construction Report is available, please attach.

Construction Type: ☐ Drilled ☐ Driven (Sandpoint) ☐ Dug ☒ Other (specify): Geoprobe

Formation Type: ☒ Unconsolidated Formation ☐ Bedrock

Total Well Depth From Ground Surface (ft.)	Casing Diameter (in.)
2	
Lower Drillhole Diameter (in.)	**Casing Depth (ft.)**
2	

Was well annular space grouted? ☐ Yes ☐ No ☐ Unknown

If yes, to what depth (feet)? — Depth to Water (feet)

4. Pump, Liner, Screen, Casing & Sealing Material

Pump and piping removed?	☐ Yes	☐ No	☒ N/A
Liner(s) removed?	☐ Yes	☐ No	☒ N/A
Screen removed?	☐ Yes	☐ No	☒ N/A
Casing left in place?	☐ Yes	☐ No	☒ N/A
Was casing cut off below surface?	☐ Yes	☐ No	☒ N/A
Did sealing material rise to surface?	☒ Yes	☐ No	☐ N/A
Did material settle after 24 hours?	☐ Yes	☒ No	☐ N/A
If yes, was hole retopped?	☐ Yes	☐ No	☒ N/A
If bentonite chips were used, were they hydrated with water from a known safe source?	☒ Yes	☐ No	☐ N/A

Required Method of Placing Sealing Material

☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped ☐ Screened & Poured (Bentonite Chips) ☒ Other (Explain): Gravity

Sealing Materials

☐ Neat Cement Grout ☐ Clay-Sand Slurry (11 lb./gal. wt.)
☐ Sand-Cement (Concrete) Grout ☐ Bentonite-Sand Slurry " "
☐ Concrete ☐ Bentonite Chips

For Monitoring Wells and Monitoring Well Boreholes Only:

☒ Bentonite Chips ☐ Bentonite - Cement Grout
☐ Granular Bentonite ☐ Bentonite - Sand Slurry

5. Material Used To Fill Well / Drillhole

	From (ft.)	To (ft.)	pounds	
Bentonite Chips	Surface	2	3	

6. Comments

Well abandoned by Geiss personnel under METCO supervision
Geoprobe boring G-1

7. Supervision of Work

Name of Person or Firm Doing Filling & Sealing: Eric Dahl (METCO) — License # — Date of Filling & Sealing (mm/dd/yyyy): 1/9/2017

Street or Route: 709 Gillette Stree, Suite 3 — Telephone Number: (608) 781-8879

City: La Crosse — State: WI — ZIP Code: 54603-

Signature of Person Doing Work — Date Signed: 2/14/2017

DNR Use Only

Date Received — Noted By

Comments

State of Wis., Dept. of Natural Resources
dnr.wi.gov

Well / Drillhole / Borehole Filling & Sealing

Form 3300-005 (R 4/08)

Notice: Completion of this report is required by chs. 160, 281, 283, 289, 291-293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291-293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between $10-25,000, 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. Return form to the appropriate DNR office and bureau. See instructions on reverse for more information.

☐ Verification Only of Fill and Seal

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

1. Well Location Information

County	WI Unique Well # of Removed Well	Hicap #
BARRON		

Latitude / Longitude (Degrees and Minutes) 45 ° 23.91 ' N; 92 ° 8.75 ' W — Method Code (see instructions):

¼ / ¼	¼	Section	Township	Range	
NE	SW	30	34 N	14	☐ E ☒ W

or Gov't Lot #

Well Street Address: 225 USH 8 & 63

Well City, Village or Town	Well ZIP Code
TURTLE LAKE	54889-

Subdivision Name	Lot #

Reason For Removal From Service	WI Unique Well # of Replacement Well
Sampling Complete	

2. Facility / Owner Information

Facility Name: PIZZA PLACE RESTAURANT

Facility ID (FID or PWS): None

License/Permit/Monitoring #:

Original Well Owner: DOUGLAS POTVIN

Present Well Owner: DOUGLAS POTVIN

Mailing Address of Present Owner: 611 E Bracklin Street

City of Present Owner	State	ZIP Code
Rice Lake	WI	54868-

3. Well / Drillhole / Borehole Information

☐ Monitoring Well ☐ Water Well ☒ Borehole / Drillhole

Original Construction Date (mm/dd/yyyy): 1/9/2017

If a Well Construction Report is available, please attach.

Construction Type: ☐ Drilled ☐ Driven (Sandpoint) ☐ Dug ☒ Other (specify): Geoprobe

Formation Type: ☒ Unconsolidated Formation ☐ Bedrock

Total Well Depth From Ground Surface (ft.)	Casing Diameter (in.)
52	

Lower Drillhole Diameter (in.)	Casing Depth (ft.)
2	

Was well annular space grouted? ☐ Yes ☐ No ☐ Unknown

If yes, to what depth (feet)?	Depth to Water (feet)

4. Pump, Liner, Screen, Casing & Sealing Material

Pump and piping removed?	☐ Yes	☐ No	☒ N/A
Liner(s) removed?	☐ Yes	☐ No	☒ N/A
Screen removed?	☐ Yes	☐ No	☒ N/A
Casing left in place?	☐ Yes	☐ No	☒ N/A
Was casing cut off below surface?	☐ Yes	☐ No	☒ N/A
Did sealing material rise to surface?	☒ Yes	☐ No	☐ N/A
Did material settle after 24 hours?	☐ Yes	☒ No	☐ N/A
If yes, was hole retopped?	☐ Yes	☐ No	☒ N/A
If bentonite chips were used, were they hydrated with water from a known safe source?	☒ Yes	☐ No	☐ N/A

Required Method of Placing Sealing Material
☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped ☐ Screened & Poured (Bentonite Chips) ☒ Other (Explain): Gravity

Sealing Materials
☐ Neat Cement Grout ☐ Clay-Sand Slurry (11 lb./gal. wt.)
☐ Sand-Cement (Concrete) Grout ☐ Bentonite-Sand Slurry " "
☐ Concrete ☐ Bentonite Chips

For Monitoring Wells and Monitoring Well Boreholes Only:
☒ Bentonite Chips ☐ Bentonite - Cement Grout
☐ Granular Bentonite ☐ Bentonite - Sand Slurry

5. Material Used To Fill Well / Drillhole

	From (ft.)	To (ft.)	pounds	
Bentonite Chips	Surface	52	78	

6. Comments

Well abandoned by Geiss personnel under METCO supervision
Geoprobe boring G-2

7. Supervision of Work

Name of Person or Firm Doing Filling & Sealing	License #	Date of Filling & Sealing (mm/dd/yyyy)
Eric Dahl (METCO)		1/11/2017

Street or Route	Telephone Number
709 Gillette Street, Suite 3	(608) 781-8879

City	State	ZIP Code	Signature of Person Doing Work	Date Signed
La Crosse	WI	54603-		2/14/2017

DNR Use Only

Date Received	Noted By

Comments:

State of Wis., Dept. of Natural Resources
dnr.wi.gov

Well / Drillhole / Borehole Filling & Sealing

Form 3300-005 (R 4/08)

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☐ Verification Only of Fill and Seal

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

1. Well Location Information

County	WI Unique Well # of Removed Well	Hicap #
BARRON		

Latitude / Longitude (Degrees and Minutes) | Method Code (see instructions)

45 ° 23.91 ' N

92 ° 8.75 ' W

¼ / ¼	¼	Section	Township	Range	
NE	SW	30	34 N	14	☐ E ☒ W

or Gov't Lot #

Well Street Address: 225 USH 8 & 63

Well City, Village or Town	Well ZIP Code
TURTLE LAKE	54889-

Subdivision Name	Lot #

Reason For Removal From Service	WI Unique Well # of Replacement Well
Sampling Complete	

2. Facility / Owner Information

Facility Name: PIZZA PLACE RESTAURANT

Facility ID (FID or PWS): None

License/Permit/Monitoring #:

Original Well Owner: DOUGLAS POTVIN

Present Well Owner: DOUGLAS POTVIN

Mailing Address of Present Owner: 611 E. Bracklin Street

City of Present Owner	State	ZIP Code
Rice Lake	WI	54868-

3. Well / Drillhole / Borehole Information

☐ Monitoring Well ☐ Water Well ☒ Borehole / Drillhole

Original Construction Date (mm/dd/yyyy): 1/9/2017

If a Well Construction Report is available, please attach.

Construction Type: ☐ Drilled ☐ Driven (Sandpoint) ☐ Dug ☒ Other (specify): Geoprobe

Formation Type: ☒ Unconsolidated Formation ☐ Bedrock

Total Well Depth From Ground Surface (ft.)	Casing Diameter (in.)
57	

Lower Drillhole Diameter (in.)	Casing Depth (ft.)
2	

Was well annular space grouted? ☐ Yes ☐ No ☐ Unknown

If yes, to what depth (feet)?	Depth to Water (feet)
	46.8

4. Pump, Liner, Screen, Casing & Sealing Material

Pump and piping removed?	☐ Yes	☐ No	☒ N/A
Liner(s) removed?	☐ Yes	☐ No	☒ N/A
Screen removed?	☐ Yes	☐ No	☒ N/A
Casing left in place?	☐ Yes	☐ No	☒ N/A
Was casing cut off below surface?	☐ Yes	☐ No	☒ N/A
Did sealing material rise to surface?	☒ Yes	☐ No	☐ N/A
Did material settle after 24 hours?	☐ Yes	☒ No	☐ N/A
If yes, was hole retopped?	☐ Yes	☐ No	☒ N/A
If bentonite chips were used, were they hydrated with water from a known safe source?	☒ Yes	☐ No	☐ N/A

Required Method of Placing Sealing Material

☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped ☐ Screened & Poured (Bentonite Chips) ☒ Other (Explain): Gravity

Sealing Materials

☐ Neat Cement Grout ☐ Clay-Sand Slurry (11 lb./gal. wt.)
☐ Sand-Cement (Concrete) Grout ☐ Bentonite-Sand Slurry " "
☐ Concrete ☐ Bentonite Chips

For Monitoring Wells and Monitoring Well Boreholes Only:

☒ Bentonite Chips ☐ Bentonite - Cement Grout ☐ Granular Bentonite ☐ Bentonite - Sand Slurry

5. Material Used To Fill Well / Drillhole

	From (ft.)	To (ft.)	pounds	
Bentonite Chips	Surface	57	85.5	

6. Comments

Well abandoned by Geiss personnel under METCO supervision
Geoprobe boring G-3

7. Supervision of Work

Name of Person or Firm Doing Filling & Sealing	License #	Date of Filling & Sealing (mm/dd/yyyy)
Eric Dahl (METCO)		1/9/2017

Street or Route	Telephone Number
709 Gillette Street, Suite 3	(608) 781-8879

City	State	ZIP Code	Signature of Person Doing Work	Date Signed
La Crosse	WI	54603-		2/14/2017

DNR Use Only

Date Received	Noted By

Comments:

State of Wis., Dept. of Natural Resources
dnr.wi.gov

Well / Drillhole / Borehole Filling & Sealing

Form 3300-005 (R 4/08)

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☐ Verification Only of Fill and Seal

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

1. Well Location Information

County	Wi Unique Well # of Removed Well	Hicap #
BARRON		

Latitude / Longitude (Degrees and Minutes) | Method Code (see instructions)

45 ° 23.91 ' N

92 ° 8.75 ' W

¼ / ¼	¼	Section	Township	Range	
NE	SW	30	34 N	14	☐ E ☒ W

or Gov't Lot #

Well Street Address: 225 USH 8 & 63

Well City, Village or Town: Turtle Lake | Well ZIP Code: 54889-

Subdivision Name | Lot #

Reason For Removal From Service: Sampling Complete | Wi Unique Well # of Replacement Well

2. Facility / Owner Information

Facility Name: PIZZA PLACE RESTAURANT

Facility ID (FID or PWS): None

License/Permit/Monitoring #

Original Well Owner: DOUGLAS POTVIN

Present Well Owner: DOUGLAS POTVIN

Mailing Address of Present Owner: 611 E Bracklin Street

City of Present Owner	State	ZIP Code
Rice Lake	WI	54868-

3. Well / Drillhole / Borehole Information

☐ Monitoring Well ☐ Water Well ☒ Borehole / Drillhole

Original Construction Date (mm/dd/yyyy): 1/9/2017

If a Well Construction Report is available, please attach.

Construction Type:

☐ Drilled ☐ Driven (Sandpoint) ☐ Dug ☒ Other (specify): Geoprobe

Formation Type:

☒ Unconsolidated Formation ☐ Bedrock

Total Well Depth From Ground Surface (ft.)	Casing Diameter (in.)
60	
Lower Drillhole Diameter (in.)	**Casing Depth (ft.)**
2	

Was well annular space grouted? ☐ Yes ☐ No ☐ Unknown

If yes, to what depth (feet)?	Depth to Water (feet)
	46

4. Pump, Liner, Screen, Casing & Sealing Material

Pump and piping removed?	☐ Yes	☐ No	☒ N/A
Liner(s) removed?	☐ Yes	☐ No	☒ N/A
Screen removed?	☐ Yes	☐ No	☒ N/A
Casing left in place?	☐ Yes	☐ No	☒ N/A
Was casing cut off below surface?	☐ Yes	☐ No	☒ N/A
Did sealing material rise to surface?	☒ Yes	☐ No	☐ N/A
Did material settle after 24 hours?	☐ Yes	☒ No	☐ N/A
If yes, was hole retopped?	☐ Yes	☐ No	☒ N/A
If bentonite chips were used, were they hydrated with water from a known safe source?	☒ Yes	☐ No	☐ N/A

Required Method of Placing Sealing Material

☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped ☐ Screened & Poured (Bentonite Chips) ☒ Other (Explain): Gravity

Sealing Materials

☐ Neat Cement Grout ☐ Clay-Sand Slurry (11 lb./gal. wt.)
☐ Sand-Cement (Concrete) Grout ☐ Bentonite-Sand Slurry " "
☐ Concrete ☐ Bentonite Chips

For Monitoring Wells and Monitoring Well Boreholes Only:

☒ Bentonite Chips ☐ Bentonite - Cement Grout
☐ Granular Bentonite ☐ Bentonite - Sand Slurry

5. Material Used To Fill Well / Drillhole

Material Used To Fill Well / Drillhole	From (ft.)	To (ft.)		
Bentonite Chips	Surface	60	pounds	90

6. Comments

Well abandoned by Geiss personnel under METCO supervision
Geoprobe boring G-4

7. Supervision of Work

Name of Person or Firm Doing Filling & Sealing	License #	Date of Filling & Sealing (mm/dd/yyyy)
Eric Dahl (METCO		1/9/2017

Street or Route: 709 Gillette Street, Suite 3 | Telephone Number: (608) 781-8879

City	State	ZIP Code	Signature of Person Doing Work	Date Signed
La Crosse	WI	54603-		2/14/2017

DNR Use Only

Date Received	Noted By

Comments

State of Wis., Dept. of Natural Resources
dnr.wi.gov

Well / Drillhole / Borehole Filling & Sealing

Form 3300-005 (R 4/08)

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☐ Verification Only of Fill and Seal

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

1. Well Location Information

County	WI Unique Well # of Removed Well	Hicap #
BARRON		

Latitude / Longitude (Degrees and Minutes): 45 ° 23.91 ' N; 92 ° 8.75 ' W — Method Code (see instructions):

¼ / ¼	¼	Section	Township	Range	
NE	SW	30	34 N	14	☐ E ☒ W

or Gov't Lot #

Well Street Address: 225 USH 8 & 63

Well City, Village or Town: Turtle Lake — Well ZIP Code: 54889-

Subdivision Name — Lot #

Reason For Removal From Service: Sampling Complete — WI Unique Well # of Replacement Well:

2. Facility / Owner Information

Facility Name: PIZZA PLACE RESTAURANT

Facility ID (FID or PWS): None

License/Permit/Monitoring #:

Original Well Owner: DOUGLAS POTVIN

Present Well Owner: DOUGLAS POTVIN

Mailing Address of Present Owner: 611 E. Bracklin Street

City of Present Owner	State	ZIP Code
Rice Lake	WI	54868-

3. Well / Drillhole / Borehole Information

☐ Monitoring Well ☐ Water Well ☒ Borehole / Drillhole

Original Construction Date (mm/dd/yyyy): 1/10/2017

If a Well Construction Report is available, please attach.

Construction Type: ☐ Drilled ☐ Driven (Sandpoint) ☐ Dug ☒ Other (specify): Geoprobe

Formation Type: ☒ Unconsolidated Formation ☐ Bedrock

Total Well Depth From Ground Surface (ft.)	Casing Diameter (in.)
40	
Lower Drillhole Diameter (in.)	**Casing Depth (ft.)**
2	

Was well annular space grouted? ☐ Yes ☐ No ☐ Unknown

If yes, to what depth (feet)?	Depth to Water (feet)

4. Pump, Liner, Screen, Casing & Sealing Material

Pump and piping removed?	☐ Yes	☐ No	☒ N/A
Liner(s) removed?	☐ Yes	☐ No	☒ N/A
Screen removed?	☐ Yes	☐ No	☒ N/A
Casing left in place?	☐ Yes	☐ No	☒ N/A
Was casing cut off below surface?	☐ Yes	☐ No	☒ N/A
Did sealing material rise to surface?	☒ Yes	☐ No	☐ N/A
Did material settle after 24 hours?	☐ Yes	☒ No	☐ N/A
If yes, was hole retopped?	☐ Yes	☐ No	☒ N/A
If bentonite chips were used, were they hydrated with water from a known safe source?	☒ Yes	☐ No	☐ N/A

Required Method of Placing Sealing Material: ☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped ☐ Screened & Poured (Bentonite Chips) ☒ Other (Explain): Gravity

Sealing Materials: ☐ Neat Cement Grout ☐ Clay-Sand Slurry (11 lb./gal. wt.) ☐ Sand-Cement (Concrete) Grout ☐ Bentonite-Sand Slurry " " ☐ Concrete ☐ Bentonite Chips

For Monitoring Wells and Monitoring Well Boreholes Only: ☒ Bentonite Chips ☐ Bentonite - Cement Grout ☐ Granular Bentonite ☐ Bentonite - Sand Slurry

5. Material Used To Fill Well / Drillhole

Material Used To Fill Well / Drillhole	From (ft.)	To (ft.)	pounds	
Bentonite Chips	Surface	40	60	

6. Comments

Well abandoned by Geiss personnel under METCO supervision
Geoprobe boring G-5

7. Supervision of Work

Name of Person or Firm Doing Filling & Sealing	License #	Date of Filling & Sealing (mm/dd/yyyy)
Eric Dahl (METCO)		1/10/2017

Street or Route: 709 Gillette Street, Suite 3 — Telephone Number: (608) 781-8879

City	State	ZIP Code	Signature of Person Doing Work	Date Signed
La Crosse	WI	54603-		2/14/2017

DNR Use Only

Date Received	Noted By

Comments:

State of Wis., Dept. of Natural Resources
dnr.wi.gov

Well / Drillhole / Borehole Filling & Sealing

Form 3300-005 (R 4/08)

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☐ Verification Only of Fill and Seal

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

1. Well Location Information

County: BARRON
WI Unique Well # of Removed Well: ___
Hicap #:

Latitude / Longitude (Degrees and Minutes): 45 ° 23.91 ' N; 92 ° 8.75 ' W
Method Code (see instructions):

1/4 / 1/4: NE; 1/4: SW; or Gov't Lot #
Section: 30; Township: 34 N; Range: 14 [X] W

Well Street Address: 225 USH 8 & 63
Well City, Village or Town: Turtle Lake
Well ZIP Code: 54889-
Subdivision Name:
Lot #:

Reason For Removal From Service: Sampling Complete
WI Unique Well # of Replacement Well: ___

2. Facility / Owner Information

Facility Name: PIZZA PLACE RESTAURANT
Facility ID (FID or PWS): None
License/Permit/Monitoring #:
Original Well Owner: DOUGLAS POTVIN
Present Well Owner: DOUGLAS POTVIN
Mailing Address of Present Owner: 611 E. Bracklin Street
City of Present Owner: Rice Lake; State: WI; ZIP Code: 54868-

3. Well / Drillhole / Borehole Information

☐ Monitoring Well
☐ Water Well
[X] Borehole / Drillhole

Original Construction Date (mm/dd/yyyy): 1/10/2017
If a Well Construction Report is available, please attach.

Construction Type: ☐ Drilled ☐ Driven (Sandpoint) ☐ Dug [X] Other (specify): Geoprobe

Formation Type: [X] Unconsolidated Formation ☐ Bedrock

Total Well Depth From Ground Surface (ft.): 60
Casing Diameter (in.):
Lower Drillhole Diameter (in.): 2
Casing Depth (ft.):

Was well annular space grouted? ☐ Yes ☐ No ☐ Unknown
If yes, to what depth (feet)?
Depth to Water (feet): 48

4. Pump, Liner, Screen, Casing & Sealing Material

Question	Yes	No	N/A
Pump and piping removed?	☐	☐	[X]
Liner(s) removed?	☐	☐	[X]
Screen removed?	☐	☐	[X]
Casing left in place?	☐	☐	[X]
Was casing cut off below surface?	☐	☐	[X]
Did sealing material rise to surface?	[X]	☐	☐
Did material settle after 24 hours?	☐	[X]	☐
If yes, was hole retopped?	☐	☐	[X]
If bentonite chips were used, were they hydrated with water from a known safe source?	[X]	☐	☐

Required Method of Placing Sealing Material
☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped
☐ Screened & Poured (Bentonite Chips) [X] Other (Explain): Gravity

Sealing Materials
☐ Neat Cement Grout ☐ Clay-Sand Slurry (11 lb./gal. wt.)
☐ Sand-Cement (Concrete) Grout ☐ Bentonite-Sand Slurry " "
☐ Concrete ☐ Bentonite Chips

For Monitoring Wells and Monitoring Well Boreholes Only:
[X] Bentonite Chips ☐ Bentonite - Cement Grout
☐ Granular Bentonite ☐ Bentonite - Sand Slurry

5. Material Used To Fill Well / Drillhole

Material	From (ft.)	To (ft.)	pounds	
Bentonite Chips	Surface	60	90	

6. Comments

Well abandoned by Geiss personnel under METCO supervision
Geoprobe boring G-6

7. Supervision of Work

Name of Person or Firm Doing Filling & Sealing: Eric Dahl (METCO)
License #:
Date of Filling & Sealing (mm/dd/yyyy): 1/10/2017
Street or Route: 709 Gillette Street, Suite 3
Telephone Number: (608) 781-8879
City: La Crosse; State: WI; ZIP Code: 54603-
Signature of Person Doing Work: [signature]
Date Signed: 2/14/2017

DNR Use Only
Date Received: | Noted By: | Comments:

State of Wis., Dept. of Natural Resources
dnr.wi.gov

Well / Drillhole / Borehole Filling & Sealing

Form 3300-005 (R 4/08)

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☐ Verification Only of Fill and Seal

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

1. Well Location Information

County	WI Unique Well # of Removed Well	Hicap #
BARRON		

Latitude / Longitude (Degrees and Minutes) | Method Code (see instructions)

45 ° 23.91 ' N

92 ° 8.75 ' W

¼ / ¼	¼	Section	Township	Range	
SE	SW	30	34 N	14	☐ E ☒ W
or Gov't Lot #					

Well Street Address: 225 USH 8 & 63

Well City, Village or Town: Turtle Lake

Well ZIP Code: 54889-

Subdivision Name:

Lot #:

Reason For Removal From Service: Sampling Complete

WI Unique Well # of Replacement Well:

2. Facility / Owner Information

Facility Name: PIZZA PLACE RESTAURANT

Facility ID (FID or PWS): None

License/Permit/Monitoring #:

Original Well Owner: DOUGLAS POTVIN

Present Well Owner: DOUGLAS POTVIN

Mailing Address of Present Owner: 611 E Bracklin Street

City of Present Owner	State	ZIP Code
Rice Lake	WI	54868-

3. Well / Drillhole / Borehole Information

☐ Monitoring Well ☐ Water Well ☒ Borehole / Drillhole

Original Construction Date (mm/dd/yyyy): 1/10/2017

If a Well Construction Report is available, please attach.

Construction Type: ☐ Drilled ☐ Driven (Sandpoint) ☐ Dug ☒ Other (specify): Geoprobe

Formation Type: ☒ Unconsolidated Formation ☐ Bedrock

Total Well Depth From Ground Surface (ft.)	Casing Diameter (in.)
60	
Lower Drillhole Diameter (in.)	**Casing Depth (ft.)**
2	

Was well annular space grouted? ☐ Yes ☐ No ☐ Unknown

If yes, to what depth (feet)?	Depth to Water (feet)
	48

4. Pump, Liner, Screen, Casing & Sealing Material

Pump and piping removed?	☐ Yes	☐ No	☒ N/A
Liner(s) removed?	☐ Yes	☐ No	☒ N/A
Screen removed?	☐ Yes	☐ No	☒ N/A
Casing left in place?	☐ Yes	☐ No	☒ N/A
Was casing cut off below surface?	☐ Yes	☐ No	☒ N/A
Did sealing material rise to surface?	☒ Yes	☐ No	☐ N/A
Did material settle after 24 hours?	☐ Yes	☒ No	☐ N/A
If yes, was hole retopped?	☐ Yes	☐ No	☒ N/A
If bentonite chips were used, were they hydrated with water from a known safe source?	☒ Yes	☐ No	☐ N/A

Required Method of Placing Sealing Material

☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped ☐ Screened & Poured (Bentonite Chips) ☒ Other (Explain): Gravity

Sealing Materials

☐ Neat Cement Grout ☐ Clay-Sand Slurry (11 lb./gal. wt.)
☐ Sand-Cement (Concrete) Grout ☐ Bentonite-Sand Slurry " "
☐ Concrete ☐ Bentonite Chips

For Monitoring Wells and Monitoring Well Boreholes Only:

☒ Bentonite Chips ☐ Bentonite - Cement Grout
☐ Granular Bentonite ☐ Bentonite - Sand Slurry

5. Material Used To Fill Well / Drillhole

Material	From (ft.)	To (ft.)	pounds	
Bentonite Chips	Surface	60	90	

6. Comments

Well abandoned by Geiss personnel under METCO supervision
Geoprobe boring G-7

7. Supervision of Work

Name of Person or Firm Doing Filling & Sealing	License #	Date of Filling & Sealing (mm/dd/yyyy)
Eric Dahl (METCO)		1/10/2017

Street or Route: 709 Gillette Street, Suite 3

Telephone Number: (608) 781-8879

City	State	ZIP Code
La Crosse	WI	54603-

Signature of Person Doing Work

Date Signed: 2/14/2017

DNR Use Only

Date Received	Noted By

Comments

State of Wis., Dept. of Natural Resources
dnr.wi.gov

Well / Drillhole / Borehole Filling & Sealing

Form 3300-005 (R 4/08)

Notice: Completion of this report is required by chs. 160, 281, 283, 289, 291-293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291-293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between $10-25,000, 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. Return form to the appropriate DNR office and bureau. See instructions on reverse for more information.

☐ Verification Only of Fill and Seal

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

1. Well Location Information

County	Wi Unique Well # of Removed Well	Hicap #
BARRON		

Latitude / Longitude (Degrees and Minutes) | Method Code (see instructions)

45 ° 23.91 ' N

92 ° 8.75 ' W

¼ / ¼	¼	Section	Township	Range	
NE	SW	30	34 N	14	☐ E ☒ W

or Gov't Lot #

Well Street Address: 225 USH 8 & 63

Well City, Village or Town: Turtle Lake | Well ZIP Code:

Subdivision Name: | Lot #:

Reason For Removal From Service: Sampling Complete | Wi Unique Well # of Replacement Well:

2. Facility / Owner Information

Facility Name: PIZZA PLACE RESTAURANT

Facility ID (FID or PWS): None

License/Permit/Monitoring #:

Original Well Owner: DOUGLAS POTVIN

Present Well Owner: DOUGLAS POTVIN

Mailing Address of Present Owner: 611 E. Bracklin Street

City of Present Owner	State	ZIP Code
Rice Lake	WI	54868-

3. Well / Drillhole / Borehole Information

☐ Monitoring Well ☐ Water Well ☐ Borehole / Drillhole

Original Construction Date (mm/dd/yyyy): 1/10/2017

If a Well Construction Report is available, please attach.

Construction Type:

☐ Drilled ☐ Driven (Sandpoint) ☐ Dug ☒ Other (specify): Geoprobe

Formation Type:

☒ Unconsolidated Formation ☐ Bedrock

Total Well Depth From Ground Surface (ft.)	Casing Diameter (in.)
56	
Lower Drillhole Diameter (in.)	**Casing Depth (ft.)**
2	

Was well annular space grouted? ☐ Yes ☐ No ☐ Unknown

If yes, to what depth (feet)?	Depth to Water (feet)
	46

4. Pump, Liner, Screen, Casing & Sealing Material

Pump and piping removed?	☐ Yes	☐ No	☒ N/A
Liner(s) removed?	☐ Yes	☐ No	☒ N/A
Screen removed?	☐ Yes	☐ No	☒ N/A
Casing left in place?	☐ Yes	☐ No	☒ N/A
Was casing cut off below surface?	☐ Yes	☐ No	☒ N/A
Did sealing material rise to surface?	☒ Yes	☐ No	☐ N/A
Did material settle after 24 hours?	☐ Yes	☒ No	☐ N/A
If yes, was hole retopped?	☐ Yes	☐ No	☒ N/A
If bentonite chips were used, were they hydrated with water from a known safe source?	☒ Yes	☐ No	☐ N/A

Required Method of Placing Sealing Material

☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped ☐ Screened & Poured (Bentonite Chips) ☒ Other (Explain): Gravity

Sealing Materials

☐ Neat Cement Grout ☐ Clay-Sand Slurry (11 lb./gal. wt.)
☐ Sand-Cement (Concrete) Grout ☐ Bentonite-Sand Slurry " "
☐ Concrete ☐ Bentonite Chips

For Monitoring Wells and Monitoring Well Boreholes Only:

☒ Bentonite Chips ☐ Bentonite - Cement Grout
☐ Granular Bentonite ☐ Bentonite - Sand Slurry

5. Material Used To Fill Well / Drillhole

Material	From (ft.)	To (ft.)	pounds	
Bentonite Chips	Surface	56	84	

6. Comments

Well abandoned by Geiss personnel under METCO supervision
Geoprobe boring G-8

7. Supervision of Work

Name of Person or Firm Doing Filling & Sealing	License #	Date of Filling & Sealing (mm/dd/yyyy)
Eric Dahl (METCO)		1/10/2017

Street or Route: 709 Gillette Street, Suite 3 | Telephone Number: (608) 781-8879

City	State	ZIP Code
La Crosse	WI	54603-

Signature of Person Doing Work | Date Signed: 2/14/2017

DNR Use Only

Date Received	Noted By

Comments:

State of Wis., Dept. of Natural Resources
dnr.wi.gov

Well / Drillhole / Borehole Filling & Sealing

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

1. Well Location Information

County	Wi Unique Well # of Removed Well	Hicap #
BARRON		

Latitude / Longitude (Degrees and Minutes): 45 ° 23.91 ' N; 92 ° 8.75 ' W — Method Code (see instructions):

¼ / ¼	¼	Section	Township	Range	
SE	SW	30	34 N	14	☐ E ☒ W

or Gov't Lot #

Well Street Address: 225 USH 8 & 63

Well City, Village or Town	Well ZIP Code
Turtle Lake	54889-

Subdivision Name: — Lot #:

Reason For Removal From Service: Sampling Complete — WI Unique Well # of Replacement Well:

2. Facility / Owner Information

Facility Name: PIZZA PLACE RESTAURANT

Facility ID (FID or PWS): None

License/Permit/Monitoring #:

Original Well Owner: DOUGLAS POTVIN

Present Well Owner: DOUGLAS POTVIN

Mailing Address of Present Owner: 611 E Bracklin Street

City of Present Owner	State	ZIP Code
Rice Lake	WI	54868-

3. Well / Drillhole / Borehole Information

☐ Monitoring Well ☐ Water Well ☒ Borehole / Drillhole

Original Construction Date (mm/dd/yyyy): 1/10/2017

If a Well Construction Report is available, please attach.

Construction Type: ☐ Drilled ☐ Driven (Sandpoint) ☐ Dug ☒ Other (specify): Geoprobe

Formation Type: ☒ Unconsolidated Formation ☐ Bedrock

Total Well Depth From Ground Surface (ft.)	Casing Diameter (in.)
40	

Lower Drillhole Diameter (in.)	Casing Depth (ft.)
2	

Was well annular space grouted? ☐ Yes ☐ No ☐ Unknown

If yes, to what depth (feet)?	Depth to Water (feet)

4. Pump, Liner, Screen, Casing & Sealing Material

Pump and piping removed?	☐ Yes	☐ No	☒ N/A
Liner(s) removed?	☐ Yes	☐ No	☒ N/A
Screen removed?	☐ Yes	☐ No	☒ N/A
Casing left in place?	☐ Yes	☐ No	☒ N/A
Was casing cut off below surface?	☐ Yes	☐ No	☒ N/A
Did sealing material rise to surface?	☒ Yes	☐ No	☐ N/A
Did material settle after 24 hours?	☐ Yes	☒ No	☐ N/A
If yes, was hole retopped?	☐ Yes	☐ No	☒ N/A
If bentonite chips were used, were they hydrated with water from a known safe source?	☒ Yes	☐ No	☐ N/A

Required Method of Placing Sealing Material

☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped ☐ Screened & Poured (Bentonite Chips) ☒ Other (Explain): Gravity

Sealing Materials

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☐ Sand-Cement (Concrete) Grout ☐ Bentonite-Sand Slurry " "
☐ Concrete ☐ Bentonite Chips

For Monitoring Wells and Monitoring Well Boreholes Only:

☒ Bentonite Chips ☐ Bentonite - Cement Grout
☐ Granular Bentonite ☐ Bentonite - Sand Slurry

5. Material Used To Fill Well / Drillhole

Material	From (ft.)	To (ft.)		
Bentonite Chips	Surface	40	pounds	60

6. Comments

Well abandoned by Geiss personnel under METCO supervision
Geoprobe boring G-9

7. Supervision of Work

Name of Person or Firm Doing Filling & Sealing	License #	Date of Filling & Sealing (mm/dd/yyyy)
Eric Dahl (METCO)		1/10/2017

Street or Route	Telephone Number
709 Gillette Street, Suite 3	(608) 781-8879

City	State	ZIP Code	Signature of Person Doing Work	Date Signed
La Crosse	WI	54603-		2/14/2017

DNR Use Only

Date Received	Noted By

Comments:

State of Wis., Dept. of Natural Resources
dnr.wi.gov

Well / Drillhole / Borehole Filling & Sealing

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¼ / ¼	¼	Section	Township	Range	
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or Gov't Lot #

Well Street Address: 225 USH 8 & 63

Well City, Village or Town: Turtle lake

Well ZIP Code: 54889-

Subdivision Name:

Lot #:

Reason For Removal From Service: Sampling Complete

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2. Facility / Owner Information

Facility Name: PIZZA PLACE RESTAURANT

Facility ID (FID or PWS): None

License/Permit/Monitoring #:

Original Well Owner: DOUGLAS POTVIN

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Mailing Address of Present Owner: 611 E. Bracklin Street

City of Present Owner	State	ZIP Code
Rice Lake	WI	54868-

3. Well / Drillhole / Borehole Information

☐ Monitoring Well ☐ Water Well ☒ Borehole / Drillhole

Original Construction Date (mm/dd/yyyy): 1/11/2017

If a Well Construction Report is available, please attach.

Construction Type: ☐ Drilled ☐ Driven (Sandpoint) ☐ Dug ☒ Other (specify): Geoprobe

Formation Type: ☒ Unconsolidated Formation ☐ Bedrock

Total Well Depth From Ground Surface (ft.)	Casing Diameter (in.)
50	
Lower Drillhole Diameter (in.)	**Casing Depth (ft.)**
2	

Was well annular space grouted? ☐ Yes ☐ No ☐ Unknown

If yes, to what depth (feet)?	Depth to Water (feet)
	46

4. Pump, Liner, Screen, Casing & Sealing Material

Pump and piping removed?	☐ Yes	☐ No	☒ N/A
Liner(s) removed?	☐ Yes	☐ No	☒ N/A
Screen removed?	☐ Yes	☐ No	☒ N/A
Casing left in place?	☐ Yes	☐ No	☒ N/A
Was casing cut off below surface?	☐ Yes	☐ No	☒ N/A
Did sealing material rise to surface?	☒ Yes	☐ No	☐ N/A
Did material settle after 24 hours?	☐ Yes	☒ No	☐ N/A
If yes, was hole retopped?	☐ Yes	☐ No	☒ N/A
If bentonite chips were used, were they hydrated with water from a known safe source?	☒ Yes	☐ No	☐ N/A

Required Method of Placing Sealing Material

☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped ☐ Screened & Poured (Bentonite Chips) ☒ Other (Explain): Gravity

Sealing Materials

☐ Neat Cement Grout ☐ Clay-Sand Slurry (11 lb./gal. wt.)
☐ Sand-Cement (Concrete) Grout ☐ Bentonite-Sand Slurry " "
☐ Concrete ☐ Bentonite Chips

For Monitoring Wells and Monitoring Well Boreholes Only:

☒ Bentonite Chips ☐ Bentonite - Cement Grout
☐ Granular Bentonite ☐ Bentonite - Sand Slurry

5. Material Used To Fill Well / Drillhole

	From (ft.)	To (ft.)	pounds	
Bentonite Chips	Surface	50	75	

6. Comments

Well abandoned by Geiss personned under METCO supervision
Geoprobe boring G-10

Supervision of Work

Name of Person or Firm Doing Filling & Sealing	License #	Date of Filling & Sealing (mm/dd/yyyy)
Eric Dahl (METCO)		1/11/2017

Street or Route	Telephone Number
709 Gillette Street	(608) 781-8879

City	State	ZIP Code	Signature of Person Doing Work	Date Signed
La Crosse	WI	54603-		2/14/2017

DNR Use Only

Date Received	Noted By

Comments:

APPENDIX D/ WASTE DISPOSAL DOCUMENTATION

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

INVOICE

6-30 2017

CUSTOMER: Metco % Douglas Potvin % Janet Dierchs
709 Gillette St
La Crosse WI 54603

JOB NAME: Pizza Place Restaurant
Turtle Lake WI

☐ CASH ☐ CHECK #________ ☒ IN-HOUSE ACCOUNT

QUANTITY DATE	QUANTITY SHIPPED	DESCRIPTION	QTY.	UNIT PRICE		AMOUNT	
	1	Mobilization	1	287	70	287	70
	14	Haul soil drums to Advanced Disposal - Eau Claire WI	14	108	15	1514	10
	3	Haul water drums to Advanced Disposal Eau Claire WI	3	42	11	126	33
		Thank You					
		[signature]					
					TOTAL	1928	13

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

188

SIGNATURE ________________________

Reviewed 7/5/17
ok
[signature]

APPENDIX E/ OTHER DOCUMENTATION

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

Abbreviations:

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

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

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

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

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

PCBs - Polychlorinated Biphenyls

Pb - Lead

SYNERGY ENVIRONMENTAL LAB – Sample Bottle Requirements

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

Test	Original Sample Container	Preserved	Holding Time to Analysis
WET CHEMISTRY			
Alkalinity SM2320B/EPA 310.2	250 mL HDPE	4°C	14 days
Ammonia EPA 350.1	250 mL HDPE	4°C, pH<2 with H_2SO_4	28 days
BOD, cBOD SM5210B	500 ml HDPE	4°C	48 hrs.
COD EPA 410.4	500 ml HDPE	4°C, pH<2 with H_2SO_4	28 days
Chloride EPA 300.0/EPA 325.2	250 mL HDPE	4°C	28 days
Cyanide SW846 9012A/SM4500-CN-C	1000 mL HDPE	4°C, pH>12 with NaOH	14 days
Flashpoint SW846 1010	250 mL HDPE	4°C	28 days
Fluoride EPA 300.0	250 mL HDPE	4°C	28 days
Hardness SW846 6010B	250 mL HDPE	4°C, pH<2 with HNO_3	180 days
TKN EPA 351.2	1 Liter HDPE	4°C, pH<2 with H_2SO_4	28 days
Nitrate EPA 300.0	250 mL HDPE	4°C	48 hours
Nitrate+Nitrite EPA 300.0	250 mL HDPE	4°C, pH<2 with H_2SO_4	28 days
Nitrite EPA 300.0	250 mL HDPE	4°C	48 hours
Oil & Grease EPA 1664	1 Liter Glass	4°C, pH<2 with H_2SO_4	28 days
Organic Carbon SW846 9060/ EPA 415.1	40 ml Glass	4°C, pH<2 with H_2SO_4 or HCL	28 days
Phenol, Total EPA 420.1	1 Liter Glass	4°C, pH<2 with H_2SO_4	28 days
Phosphorus, Total EPA 365.3	250 mL HDPE	4°C, pH<2 with H_2SO_4	28 days
Sulfate EPA 300.0	250 mL HDPE	4°C	28 days
Total Dissolved Solids EPA 160.1	250 ml HDPE	4°C	7 days
Total Solids EPA 160.3	250 ml HDPE	4°C	7 days
Total Suspended Solids EPA 160.2	250 mL HDPE	4°C	7 days
METALS			
Metals	250 mL HDPE	4°C, pH<2 with HNO_3	6 months
Mercury SW8467470/EPA 245.1	250 mL HDPE	4°C, pH<2 with HNO_3	28 days
ORGANICS			
Semivolatiles SW846 8270C	1 Liter amber glass, collect 2 for one of the samples submitted .	4°C	7 days extr. 40 days following extr
PAH SW846 8270C	1 Liter amber glass, collect 2 for one of the samples submitted	4°C	7 days extr. 40 days following extr
PCB SW846 8082	1 Liter amber glass, collect 2 for one of the samples submitted.	4°C	7 days extr. 40 days following extr
DRO, Modified DNR Sep 95	1 Liter amber glass with Teflon lined cap	4°C, 5 mL 50% HCl	7 days extr. 40 days following extr
VOC'S SW846 8260B/EPA524.2	(3) 40 mL glass vials with Teflon lined septum caps	4°C, 0.5 mL 50% HCl, No Headspace	14 days
GRO/VOC	(4) 40 mL glass vials with Teflon lined septum caps	4°C, 0.5 mL 50% HCl prior to adding sample to jar	14 days
GRO, Modified DNR Sep 95	(2) 40 mL glass vials with Teflon lined septum caps	4°C, 0.5 mL 50% HCl prior to adding sample to jar	14 days
GRO/PVOC	(2) 40 mL glass vials with Teflon lined septum caps	4°C, 0.5 mL 50% HCl prior to adding sample to jar	14 days
PVOC	(2) 40 mL glass vials with Teflon lined septum caps	4°C, 0.5 mL 50% HCl prior to adding sample to jar	14 days

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

SYNERGY ENVIRONMENTAL LAB – Sample Bottle Requirements

TABLE 2
SAMPLE & PRESERVATION REQUIREMENTS FOR SOIL SAMPLES

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

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

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

Background threshold values are non-outlier trace element maximum levels in Wisconsin surface soils from the USGS Report at: *http://pubs.usgs.gov/sir/2011/5202/*.

1. *Enter data in yellow cells.* Numeric-only values under "INPUT Site Data." For ND, use detection limit. Do not type '-', 'NA' nor 'space bar.' Leave purple cells "as is."
2. *After completing data entry, see Summary in Row 924.*

A.7 Other

Site Name:

Sample ID:

Contaminant	CAS Number	NC RCL (mg/kg)	C RCL (mg/kg)	Not-To-Exceed D-C RCL (mg/kg)	Basis	Background Threshold Value (mg/kg)	INPUT Site Data (mg/kg)	Comparison / Hazard Index / Cumulative Cancer Risk: Flag E = Individual Exceedance!	Hazard Quotient (HQ) from Data	Target CR used: 1.00E-06 Cancer Risk (CR) from Data
Benzene	71-43-2	106.000	1.600	1.600	ca					
Ethylbenzene	100-41-4	4,080.000	8.020	8.020	ca					
Toluene	108-88-3	5,240.000	-	818.000	Csat					
Xylenes	1330-20-7	818.000	-	260.000	Csat					
Methyl tert-Butyl Ether (MTBE)	1634-04-4	22,100.000	63.800	63.800	ca					
Dichloroethane, 1,2-	107-06-2	43.700	.652	.652	ca					
Dibromoethane, 1,2-	106-93-4	100.000	.050	.050	ca					
Trichloroethylene	79-01-6	5.680	1.300	1.300	ca					
Tetrachloroethylene	127-18-4	109.000	33.000	33.000	ca					
Vinyl Chloride	75-01-4	89.200	.067	.067	ca					
Dichloroethylene, 1,1-	75-35-4	320.000	-	320.000	nc					
Dichloroethylene, 1,2-trans-	156-60-5	1,560.000	-	1,560.000	nc					
Dichloroethylene, 1,2-cis-	156-59-2	156.000	-	156.000	nc					
Trichloroethane, 1,1,1-	71-55-6	11,500.000	-	640.000	Csat					
Carbon Tetrachloride	56-23-5	131.000	.916	.916	ca					
Trimethylbenzene, 1,2,4-	95-63-6	373.000	-	219.000	Csat					
Trimethylbenzene, 1,3,5-	108-67-8	339.000	-	182.000	Csat					
Naphthalene	91-20-3	178.000	5.520	5.520	ca					
Benzo[a]pyrene	50-32-8	17.800	.115	.115	ca					
Acenaphthene	83-32-9	3,590.000	-	3,590.000	nc					
Acenaphthylene	208-96-8	-	-							
Anthracene	120-12-7	17,900.000	-	17,900.000	nc					
Benz[a]anthracene	56-55-3	-	1.140	1.140	ca					
Benzo(j)fluoranthene	205-82-3	-	.424	.424	ca					
Benzo[b]fluoranthene	205-99-2	-	1.150	1.150	ca					
Benzo[g,h,i]perylene	191-24-2	-	-							
Benzo[k]fluoranthene	207-08-9	-	11.500	11.500	ca					
Chrysene	218-01-9	-	115.000	115.000	ca					
Dibenz[a,h]anthracene	53-70-3	-	.115	.115	ca					
Dibenzo(a,e)pyrene	192-65-4	-	.042	.042	ca					
Dimethylbenz(a)anthracene, 7,12-	57-97-6	-	4.59E-04	4.59E-04	ca					
Fluoranthene	206-44-0	2,390.000	-	2,390.000	nc					
Fluorene	86-73-7	2,390.000	-	2,390.000	nc					
Indeno[1,2,3-cd]pyrene	193-39-5	-	1.150	1.150	ca					
Methylnaphthalene, 1-	90-12-0	4,180.000	17.600	17.600	ca					
Methylnaphthalene, 2-	91-57-6	239.000	-	239.000	nc					
Nitropyrene, 4-	57835-92-4	-	.424	.424	ca					
Perylene	198-55-0	-	-							
Phenanthrene	85-01-8	-	-							
Pyrene	129-00-0	1,790.000	-	1,790.000	nc					
Lead and Compounds	7439-92-1	400.000	-	400.000		52				
Bromobenzene	108-86-1	342.000	-	342.000	nc					
Bromodichloromethane	75-27-4	1,560.000	.418	.418	ca					
Bromoform	75-25-2	1,560.000	25.400	25.400	ca					
Butylbenzene, n-	104-51-8	3,910.000	-	108.000	Csat					
Butylbenzene, sec-	135-98-8	7,820.000	-	145.000	Csat					
Butylbenzene, tert-	98-06-6	7,820.000	-	183.000	Csat					
Chlorobenzene	108-90-7	370.000	-	370.000	nc					
Chloroform	67-66-3	259.000	.454	.454	ca					
Chloromethane	74-87-3	159.000	-	159.000	nc					
Chlorotoluene, o-	95-49-8	1,560.000	-	907.000	Csat					
Chlorotoluene, p-	106-43-4	1,560.000	-	253.000	Csat					
Dibromo-3-chloropropane, 1,2-	96-12-8	5.960	.008	.008	ca					
Dibromochloromethane	124-48-1	1,560.000	8.280	8.280	ca					
Dichlorobenzene, 1,2-	95-50-1	2,350.000	-	376.000	Csat					
Dichlorobenzene, 1,3-	541-73-1	-	-	297.000	Csat					
Dichlorobenzene, 1,4-	106-46-7	3,810.000	3.740	3.740	ca					
Dichlorodifluoromethane	75-71-8	126.000	-	126.000	nc					
Dichloroethane, 1,1-	75-34-3	15,600.000	5.060	5.060	ca					
Dichloropropane, 1,2-	78-87-5	22.600	.406	.406	ca					
Dichloropropane, 1,3-	142-28-9	1,560.000	-	1,490.000	Csat					
Dichloropropane, 2,2-	594-20-7	-	-	191.000	Csat					
Diisopropyl Ether	108-20-3	3,220.000	-	2,260.000	Csat					
Hexachlorobutadiene	87-68-3	78.200	1.630	1.630	ca					
Isopropyltoluene, p-	99-87-6	-	-	162.000	Csat					
Methylene Chloride	75-09-2	379.000	61.800	61.800	ca					
Tetrachloroethane, 1,1,1,2-	630-20-6	2,350.000	2.780	2.780	ca					
Tetrachloroethane, 1,1,2,2-	79-34-5	1,560.000	.810	.810	ca					
Trichlorobenzene, 1,2,3-	87-61-6	62.600	-	62.600	nc					
Trichlorobenzene, 1,2,4-	120-82-1	80.800	24.000	24.000	ca					
Trichloroethane, 1,1,2-	79-00-5	2.160	1.590	1.590	ca					
Trichlorofluoromethane	75-69-4	23,500.000	-	1,230.000	Csat					
Test1Chem(DRO)	Wis. DRO									
Test2Chem(GRO)	Wis. GRO									
Test3Chem(TPH)	TPH									

Type BRRTS No. Here (If Known)

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

To Pass, data must meet all these criteria: Exceedance Count = 0 | HI ≤ 1.0 | Cumulative CR ≤ 1e-05

Summary

Bottom-Line:

Soil Data Entry Needed!

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Residual Contaminant Levels Protective of Groundwater Quality

(Soil-to-Groundwater Scenario Results from: *http://epa-prgs.ornl.gov/cgi-bin/chemicals/csl_search*)

NR140 Substance	NR 140 CAS	Fed MCL (ug/l) (If Red, MCL>ES)	NR 140 ES (ug/l)	RCL-gw (mg/kg) DF=1	Use 2, or input the calculated site-specific DF --> 2.00	INPUT NUMERIC Site Data Max (mg/kg)	Flag E = Individual Exceedance!	*Type BRRTS No. Here (If Known). Assess groundwater levels separately.*
Acetochlor	34256-82-1	-	7	5.58E-03	1.12E-02			
Acetone	67-64-1	-	9000	1.85E+00	3.69E+00			
Alachlor	15972-60-8	2	2	1.65E-03	3.30E-03			
Aldicarb	116-06-3	3	10	2.49E-03	4.99E-03			
Aluminum	7429-90-5	-	200	3.01E+02	6.01E+02			
Antimony	7440-36-0	6	6	2.71E-01	5.42E-01			
Anthracene	120-12-7	-	3000	9.84E+01	1.97E+02			
Arsenic	7440-38-2	10	10	2.92E-01	5.84E-01			
Atrazine, total chlorinated residues	1912-24-9	3	3	1.95E-03	3.90E-03			
Barium	7440-39-3	2000	2000	8.24E+01	1.65E+02			
Bentazon	25057-89-0	-	300	6.59E-02	1.32E-01			
Benzene	71-43-2	5	5	2.56E-03	5.12E-03			
Benzo(a)pyrene (PAH)	50-32-8	0.2	0.2	2.35E-01	4.70E-01			
Benzo(b)fluoranthene (PAH)	205-99-2	-	0.2	2.40E-01	4.80E-01			
Beryllium	7440-41-7	4	4	3.16E+00	6.32E+00			
Boron	7440-42-8	-	1000	3.20E+00	6.40E+00			
Bromodichloromethane (THM)	75-27-4	80	0.6	1.63E-04	3.26E-04			
Bromoform (THM)	75-25-2	80	4.4	1.17E-03	2.33E-03			
Bromomethane	74-83-9	-	10	2.53E-03	5.06E-03			
Butylate	2008-41-5	-	400	3.88E-01	7.76E-01			
Cadmium	7440-43-9	5	5	3.76E-01	7.52E-01			
Carbaryl	63-25-2	-	40	3.64E-02	7.27E-02			
Carbofuran	1563-66-2	40	40	1.56E-02	3.12E-02			
Carbon disulfide	75-15-0	-	1000	2.97E-01	5.93E-01			
Carbon tetrachloride	56-23-5	5	5	1.94E-03	3.88E-03			
Chloramben	133-90-4	-	150	3.63E-02	7.27E-02			
Chlorodifluoromethane	75-45-6	-	7000	2.89E+00	5.79E+00			
Chloroethane	75-00-3	-	400	1.13E-01	2.27E-01			
Chloroform (THM)	67-66-3	80	6	1.67E-03	3.33E-03			
Chlorpyrifos	2921-88-2	-	2	2.95E-02	5.90E-02			
Chloromethane	74-87-3	-	30	7.76E-03	1.55E-02			
Chromium (total)	7440-47-3	100	100	1.80E+05	3.60E+05			Re-assess if Cr-VI present
Chrysene (PAH)	218-01-9	-	0.2	7.25E-02	1.45E-01			
Cobalt	7440-48-4	-	40	1.81E+00	3.62E+00			
Copper	7440-50-8	1300	1300	4.58E+01	9.16E+01			
Cyanazine	21725-46-2	-	1	4.68E-04	9.37E-04			
Cyanide, free	57-12-5	200	200	2.02E+00	4.04E+00			
Dacthal (DCPA)	1861-32-1	-	70	8.56E-02	1.71E-01			
1,2-Dibromoethane	106-93-4	0.05	0.05	1.41E-05	2.82E-05			
Dibromochloromethane (THM)	124-48-1	80	60	1.60E-02	3.20E-02			
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	0.2	0.2	8.64E-05	1.73E-04			
Dibutyl phthalate	84-74-2	-	1000	2.52E+00	5.04E+00			
Dicamba	1918-00-9	-	300	7.76E-02	1.55E-01			
1,2-Dichlorobenzene	95-50-1	600	600	5.84E-01	1.17E+00			
1,3-Dichlorobenzene	541-73-1	-	600	5.76E-01	1.15E+00			
1,4-Dichlorobenzene	106-46-7	75	75	7.20E-02	1.44E-01			
Dichlorodifluoromethane	75-71-8	-	1000	1.54E+00	3.08E+00			
1,1-Dichloroethane	75-34-3	-	850	2.42E-01	4.84E-01			
1,2-Dichloroethane	107-06-2	5	5	1.42E-03	2.84E-03			
1,1-Dichloroethylene	75-35-4	7	7	2.51E-03	5.02E-03			
1,2-Dichloroethylene (cis)	156-59-2	70	70	2.06E-02	4.12E-02			
1,2-Dichloroethylene (trans)	156-60-5	100	100	2.94E-02	5.88E-02			
2,4-Dichlorophenoxyacetic acid (2,4-D)	94-75-7	70	70	1.81E-02	3.62E-02			
1,2-Dichloropropane	78-87-5	5	5	1.66E-03	3.32E-03			
1,3-Dichloropropene (cis/trans) (Telone)	542-75-6	-	0.4	1.43E-04	2.85E-04			
Di (2-ethylhexyl) phthalate	117-81-7	6	6	1.44E+00	2.88E+00			
Dimethoate	60-51-5	-	2	4.51E-04	9.02E-04			
2,4-Dinitrotoluene	121-14-2	-	0.05	6.76E-05	1.35E-04			
2,6-Dinitrotoluene	606-20-2	-	0.05	6.88E-05	1.38E-04			
Dinitrotoluene, Total Residues	25321-14-6	-	0.05	6.89E-05	1.38E-04			
Dinoseb	88-85-7	7	7	6.15E-02	1.23E-01			
1,4-Dioxane (p-dioxane)	123-91-1	-	3	6.18E-04	1.24E-03			
Dioxin (2,3,7,8-TCDD)	1746-01-6	0	0	1.50E-05	3.00E-05			
Endrin	72-20-8	2	2	8.08E-02	1.62E-01			
EPTC	759-94-4	-	250	1.32E-01	2.64E-01			
Ethylbenzene	100-41-4	700	700	7.85E-01	1.57E+00			
Ethyl Ether (Diethyl Ether)	60-29-7	-	1000	2.24E-01	4.47E-01			
Ethylene glycol	107-21-1	-	14000	2.82E+00	5.64E+00			
Fluoranthene	206-44-0	-	400	4.44E+01	8.88E+01			
Fluorene (PAH)	86-73-7	-	400	7.41E+00	1.48E+01			

No RSL result for: Asbestos; Bacteria; 1,3-DCB; Hydrogen Sulfide; Nitrate/Nitrite; Tetrahydrofuran; Perchlorate.

Only use DAF=2 (or site-specific DAF) RCL after clearly defining gw plume. RCL < 0.0001 ppm is in "E" notation.

DRAFT

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

NR140 Substance	NR 140 CAS	Fed MCL (ug/l) (If Red, MCL>ES)	NR 140 ES (ug/l)	RCL-gw (mg/kg) DF=1	Use 2, or input the calculated site-specific DF -->	2.00	INPUT NUMERIC Site Data Max (mg/kg)	Flag E = Individual Exceedance!
Fluoride	7782-41-4	4000	4000	6.01E+02		1.20E+03		
Fluorotrichloromethane	75-69-4	-	3490	2.23E+00		4.47E+00		
Formaldehyde	50-00-0	-	1000	2.02E-01		4.04E-01		
Heptachlor	76-44-8	0.4	0.4	3.31E-02		6.62E-02		
Heptachlor epoxide	1024-57-3	0.2	0.2	4.08E-03		8.16E-03		
Hexachlorobenzene	118-74-1	1	1	1.26E-02		2.52E-02		
n-Hexane	110-54-3	-	600	4.22E+00		8.44E+00		
Lead	7439-92-1	15	15	1.35E+01		2.70E+01		
Lindane	58-89-9	0.2	0.2	1.16E-03		2.32E-03		
Manganese	7439-96-5	-	300	1.96E+01		3.91E+01		
Mercury	7439-97-6	2	2	1.04E-01		2.08E-01		
Methanol	67-56-1	-	5000	1.01E+00		2.03E+00		
Methoxychlor	72-43-5	40	40	2.16E+00		4.32E+00		
Methylene chloride	75-09-2	5	5	1.28E-03		2.56E-03		
Methyl ethyl ketone (MEK)	78-93-3	-	4000	8.39E-01		1.68E+00		
Methyl isobutyl ketone (MIBK)	108-10-1	-	500	1.13E-01		2.26E-01		
Methyl tert-butyl ether (MTBE)	1634-04-4	-	60	1.35E-02		2.70E-02		
Metolachlor/s-Metolachlor	51218-45-2	-	100	1.17E-01		2.34E-01		
Metribuzin	21087-64-9	-	70	2.14E-02		4.28E-02		
Molybdenum	7439-98-7	-	40	8.08E-01		1.62E+00		
Monochlorobenzene	108-90-7	100	100	6.79E-02		1.36E-01		
Naphthalene	91-20-3	-	100	3.29E-01		6.59E-01		
Nickel	7440-02-0	-	100	6.50E+00		1.30E+01		
N-Nitrosodiphenylamine (NDPA)	86-30-6	-	7	3.82E-02		7.64E-02		
Pentachlorophenol (PCP)	87-86-5	1	1	1.01E-02		2.02E-02		
Phenol	108-95-2	-	2000	1.15E+00		2.30E+00		
Picloram	1918-02-1	500	500	1.39E-01		2.78E-01		
Polychlorinated biphenyls (PCBs)	1336-36-3	0.5	0.03	4.69E-03		9.38E-03		
Prometon	1610-18-0	-	100	4.75E-02		9.49E-02		
Propazine	139-40-2	-	10	8.86E-03		1.77E-02		
Pyrene (PAH)	129-00-0	-	250	2.72E+01		5.45E+01		
Pyridine	110-86-1	-	10	3.44E-03		6.87E-03		
Selenium	7782-49-2	50	50	2.60E-01		5.20E-01		
Silver	7440-22-4	-	50	4.25E-01		8.50E-01		
Simazine	122-34-9	4	4	1.97E-03		3.94E-03		
Styrene	100-42-5	100	100	1.10E-01		2.20E-01		
Tertiary Butyl Alcohol (TBA)	75-65-0	-	12	2.45E-03		4.90E-03		
1,1,1,2-Tetrachloroethane	630-20-6	-	70	2.67E-02		5.33E-02		
1,1,2,2-Tetrachloroethane	79-34-5	-	0.2	7.80E-05		1.56E-04		
Tetrachloroethylene (PCE)	127-18-4	5	5	2.27E-03		4.54E-03		
Tetrahydrofuran	109-99-9	-	50	1.11E-02		2.22E-02		
Thallium	7440-28-0	2	2	1.42E-01		2.84E-01		
Toluene	108-88-3	1000	800	5.54E-01		1.11E+00		
Toxaphene	8001-35-2	3	3	4.64E-01		9.28E-01		
1,2,4-Trichlorobenzene	120-82-1	70	70	2.04E-01		4.08E-01		
1,1,1-Trichloroethane	71-55-6	200	200	7.01E-02		1.40E-01		
1,1,2-Trichloroethane	79-00-5	5	5	1.62E-03		3.24E-03		
Trichloroethylene (TCE)	79-01-6	5	5	1.79E-03		3.58E-03		
2,4,5-Trimethylaniline hydrochloride and 2,4,5-TMA free base	93-72-1	50	50	2.75E-02		5.50E-02		
1,2,3-Trichloropropane	96-18-4	-	60	2.60E-02		5.20E-02		
Trifluralin	1582-09-8	-	7.5	2.48E-01		4.95E-01		
Trimethylbenzenes (1,2,4- and 1,3,5- combined)	95-63-6 / 108-67-8	-	480	6.90E-01		1.38E+00		
Vanadium	7440-62-2							
Vinyl chloride	75-01-4	2	0.2	6.90E-05		1.38E-04		
Xylenes (m-, o-, p- combined)	1330-20-7	10000	2000	1.97E+00		3.94E+00		

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

No RSL result for: Asbestos; Bacteria; 1,3-DCB; Hydrogen Sulfide; Nitrate/Nitrite; Tetrahydrofuran; Perchlorate.

Only use DAF=2 (or site-specific DAF) RCL after clearly defining gw plume. RCL < 0.0001 ppm is in "E" notation.

Site-specific

Resident Equation Inputs for Soil

Variable	Value
THQ (target hazard quotient) unitless	1
TR (target risk) unitless	1.0E-6
LT (lifetime) year	70
ET_{res} (exposure time) hour	24
ET_{res-c} (child exposure time) hour	24
ET_{res-a} (adult exposure time) hour	24
ET_{0-2} (mutagenic exposure time) hour	24
ET_{2-6} (mutagenic exposure time) hour	24
ET_{6-16} (mutagenic exposure time) hour	24
ET_{16-26} (mutagenic exposure time) hour	24
ED_{res} (exposure duration) year	26
ED_{res-c} (exposure duration - child) year	6
ED_{res-a} (exposure duration - adult) year	20
ED_{0-2} (mutagenic exposure duration) year	2
ED_{2-6} (mutagenic exposure duration) year	4
ED_{6-16} (mutagenic exposure duration) year	10
ED_{16-26} (mutagenic exposure duration) year	10
BW_{res-c} (body weight - child) kg	15
BW_{res-a} (body weight - adult) kg	80
BW_{0-2} (mutagenic body weight) kg	15
BW_{2-6} (mutagenic body weight) kg	15
BW_{6-16} (mutagenic body weight) kg	80
BW_{16-26} (mutagenic body weight) kg	80
SA_{res-c} (skin surface area - child) cm ^{2}/day	2373
SA_{res-a} (skin surface area - adult) cm ^{2}/day	6032
SA_{0-2} (mutagenic skin surface area) cm ^{2}/day	2373
SA_{2-6} (mutagenic skin surface area) cm ^{2}/day	2373
SA_{6-16} (mutagenic skin surface area) cm ^{2}/day	6032
SA_{16-26} (mutagenic skin surface area) cm ^{2}/day	6032
EF_{res} (exposure frequency) day/year	350
EF_{res-c} (exposure frequency - child) day/year	350
EF_{res-a} (exposure frequency - adult) day/year	350
EF_{0-2} (mutagenic exposure frequency) day/year	350

Site-specific

Resident Equation Inputs for Soil

Variable	Value
EF_{2-6} (mutagenic exposure frequency) day/year	350
EF_{6-16} (mutagenic exposure frequency) day/year	350
EF_{16-26} (mutagenic exposure frequency) day/year	350
$IFS_{adj-soil}$ (age-adjusted soil ingestion factor) mg/kg	36750
$IFSM_{adj-soil}$ (mutagenic age-adjusted soil ingestion factor) mg/kg	166833.33
IRS_{child} (soil intake rate - child) mg/day	200
IRS_{adult} (soil intake rate - adult) mg/day	100
IRS_{0-2} (mutagenic soil intake rate) mg/day	200
IRS_{2-6} (mutagenic soil intake rate) mg/day	200
IRS_{6-16} (mutagenic soil intake rate) mg/day	100
IRS_{16-26} (mutagenic soil intake rate) mg/day	100
AF_{res-a} (skin adherence factor - adult) mg/cm ^{2}	0.07
AF_{res-c} (skin adherence factor - child) mg/cm ^{2}	0.2
AF_{0-2} (mutagenic skin adherence factor) mg/cm ^{2}	0.2
AF_{2-6} (mutagenic skin adherence factor) mg/cm ^{2}	0.2
AF_{6-16} (mutagenic skin adherence factor) mg/cm ^{2}	0.07
AF_{16-26} (mutagenic skin adherence factor) mg/cm ^{2}	0.07
$DFS_{adj-soil}$ (age-adjusted soil dermal factor) mg/kg	103390
$DFSM_{adj-soil}$ (mutagenic age-adjusted soil dermal factor) mg/kg	428260
City (Climate Zone) PEF Selection	Chicago, IL (7)
A_s (acres)	.5
Q/C_{wp} (g/m^2-s per kg/m^3)	98.430714368855
PEF (particulate emission factor) m ^{3}/kg	1560521176.9649
A (PEF Dispersion Constant)	16.8653
B (PEF Dispersion Constant)	18.7848
C (PEF Dispersion Constant)	215.0624
V (fraction of vegetative cover) unitless	0.5
U_m (mean annual wind speed) m/s	4.65
U_t (equivalent threshold value)	11.32
F(x) (function dependant on U_m/U_t) unitless	0.182
City (Climate Zone) VF Selection	Chicago, IL (7)
A_s (acres)	.5
Q/C_{vol} (g/m^2-s per kg/m^3)	98.430714368855

Output generated 15JUN2016:11:20:47

Site-specific

Resident Equation Inputs for Soil

Variable	Value
foc (fraction organic carbon in soil) g/g	0.006
ρ$_b$ (dry soil bulk density) g/cm ^{3}	1.5
ρ$_s$ (soil particle density) g/cm ^{3}	2.65
n (total soil porosity) L_{pore}/L_{soil}	0.43396
θ$_a$ (air-filled soil porosity) L_{air}/L_{soil}	0.28396
θ$_w$ (water-filled soil porosity) L_{water}/L_{soil}	0.15
T (exposure interval) s	819936000
A (VF Dispersion Constant)	16.8653
B (VF Dispersion Constant)	18.7848
C (VF Dispersion Constant)	215.0624
City (Climate Zone) VF $_{sl}$ Selection	Chicago, IL (7)
VF_s (volitization factor) m ^{3}/kg	.
Q/C_{vol} (g/m^2-s per kg/m^3)	98.430714368855
A_s (acres)	.5
T (exposure interval) yr	26
d_s (depth of source) m	.
ρ$_b$ (dry soil bulk density) g/cm ^{3}	1.5
A (VF Dispersion Constant - Mass Limit)	16.8653
B (VF Dispersion Constant - Mass Limit)	18.7848
C (VF Dispersion Constant - Mass Limit)	215.0624

Site-specific

Resident Screening Levels (RSL) for Soil

ca=Cancer, nc=Noncancer, ca* (Where nc SL < 100 x ca SL),
ca** (Where nc SL < 10 x ca SL), max=SL exceeds ceiling limit (see User's Guide), 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	CAS Number	Mutagen?	VOC?	Ingestion SF (mg/kg-day)$^{-1}$	SFO Ref	Inhalation Unit Risk (ug/m^3)$^{-1}$	IUR Ref	Chronic RfD (mg/kg-day)	Chronic RfD Ref	Chronic RfC (mg/m^3)	Chronic RfC Ref
Benzene	71-43-2	No	Yes	5.50E-02	I	7.80E-06	I	4.00E-03	I	3.00E-02	I
Dibromoethane, 1,2-	106-93-4	No	Yes	2.00E+00	I	6.00E-04	I	9.00E-03	I	9.00E-03	I
Dichloroethane, 1,2-	107-06-2	No	Yes	9.10E-02	I	2.60E-05	I	6.00E-03	S	7.00E-03	P
Ethylbenzene	100-41-4	No	Yes	1.10E-02	C	2.50E-06	C	1.00E-01	I	1.00E+00	I
Lead and Compounds	7439-92-1	No	No	-		-		-		-	
Methyl tert-Butyl Ether (MTBE)	1634-04-4	No	Yes	1.80E-03	C	2.60E-07	C	-		3.00E+00	I
Acenaphthene	83-32-9	No	Yes	-		-		6.00E-02	I	-	
Anthracene	120-12-7	No	Yes	-		-		3.00E-01	I	-	
Benz[a]anthracene	56-55-3	Yes	Yes	7.30E-01	W	1.10E-04	C	-		-	
Benzo(j)fluoranthene	205-82-3	No	No	1.20E+00	C	1.10E-04	C	-		-	
Benzo[a]pyrene	50-32-8	Yes	No	7.30E+00	I	1.10E-03	C	-		-	
Benzo[b]fluoranthene	205-99-2	Yes	No	7.30E-01	W	1.10E-04	C	-		-	
Benzo[k]fluoranthene	207-08-9	Yes	No	7.30E-02	W	1.10E-04	C	-		-	
Chrysene	218-01-9	Yes	No	7.30E-03	W	1.10E-05	C	-		-	
Dibenz[a,h]anthracene	53-70-3	Yes	No	7.30E+00	W	1.20E-03	C	-		-	
Dibenzo(a,e)pyrene	192-65-4	No	No	1.20E+01	C	1.10E-03	C	-		-	
Dimethylbenz(a)anthracene, 7,12-	57-97-6	Yes	No	2.50E+02	C	7.10E-02	C	-		-	
Fluoranthene	206-44-0	No	No	-		-		4.00E-02	I	-	
Fluorene	86-73-7	No	Yes	-		-		4.00E-02	I	-	
Indeno[1,2,3-cd]pyrene	193-39-5	Yes	No	7.30E-01	W	1.10E-04	C	-		-	
Methylnaphthalene, 1-	90-12-0	No	Yes	2.90E-02	P	-		7.00E-02	A	-	
Methylnaphthalene, 2-	91-57-6	No	Yes	-		-		4.00E-03	I	-	
Naphthalene	91-20-3	No	Yes	-		3.40E-05	C	2.00E-02	I	3.00E-03	I
Nitropyrene, 4-	57835-92-4	No	No	1.20E+00	C	1.10E-04	C	-		-	
Pyrene	129-00-0	No	Yes	-		-		3.00E-02	I	-	
Toluene	108-88-3	No	Yes	-		-		8.00E-02	I	5.00E+00	I
Trimethylbenzene, 1,2,4-	95-63-6	No	Yes	-		-		-		7.00E-03	P
Trimethylbenzene, 1,3,5-	108-67-8	No	Yes	-		-		1.00E-02	S	-	
Xylenes	1330-20-7	No	Yes	-		-		2.00E-01	I	1.00E-01	I

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	GIABS	ABS	RBA	Volatilization Factor (m^3/kg)	Soil Saturation Concentration (mg/kg)	Particulate Emission Factor (m^3/kg)	Ingestion SL TR=1.0E-6 (mg/kg)	Dermal SL TR=1.0E-6 (mg/kg)	Inhalation SL TR=1.0E-6 (mg/kg)	Carcinogenic SL TR=1.0E-6 (mg/kg)
Benzene	1	-	1	5.10E+03	1.82E+03	1.56E+09	1.26E+01	-	1.84E+00	1.60E+00
Dibromoethane, 1,2-	1	-	1	1.25E+04	1.34E+03	1.56E+09	3.48E-01	-	5.84E-02	5.00E-02
Dichloroethane, 1,2-	1	-	1	6.60E+03	2.98E+03	1.56E+09	7.64E+00	-	7.13E-01	6.52E-01
Ethylbenzene	1	-	1	8.18E+03	4.80E+02	1.56E+09	6.32E+01	-	9.19E+00	8.02E+00
Lead and Compounds	1	-	1	-	-	1.56E+09	-	-	-	-
Methyl tert-Butyl Ether (MTBE)	1	-	1	7.08E+03	8.87E+03	1.56E+09	3.86E+02	-	7.64E+01	6.38E+01
Acenaphthene	1	0.13	1	2.03E+05	-	1.56E+09	-	-	-	-
Anthracene	1	0.13	1	7.56E+05	-	1.56E+09	-	-	-	-
Benz[a]anthracene	1	0.13	1	6.37E+06	-	1.56E+09	2.10E-01	6.29E-01	5.85E+01	1.57E-01
Benzo(j)fluoranthene	1	0.13	1	-	-	1.56E+09	5.79E-01	1.58E+00	3.98E+04	4.24E-01
Benzo[a]pyrene	1	0.13	1	-	-	1.56E+09	2.10E-02	6.29E-02	1.44E+03	1.57E-02
Benzo[b]fluoranthene	1	0.13	1	-	-	1.56E+09	2.10E-01	6.29E-01	1.44E+04	1.57E-01
Benzo[k]fluoranthene	1	0.13	1	-	-	1.56E+09	2.10E+00	6.29E+00	1.44E+04	1.57E+00
Chrysene	1	0.13	1	-	-	1.56E+09	2.10E+01	6.29E+01	1.44E+05	1.57E+01
Dibenz[a,h]anthracene	1	0.13	1	-	-	1.56E+09	2.10E-02	6.29E-02	1.32E+03	1.57E-02
Dibenzo(a,e)pyrene	1	0.13	1	-	-	1.56E+09	5.79E-02	1.58E-01	3.98E+03	4.24E-02
Dimethylbenz(a)anthracene, 7,12-	1	0.13	1	-	-	1.56E+09	6.13E-04	1.84E-03	2.23E+01	4.59E-04
Fluoranthene	1	0.13	1	-	-	1.56E+09	-	-	-	-
Fluorene	1	0.13	1	4.06E+05	-	1.56E+09	-	-	-	-
Indeno[1,2,3-cd]pyrene	1	0.13	1	-	-	1.56E+09	2.10E-01	6.29E-01	1.44E+04	1.57E-01
Methylnaphthalene, 1-	1	0.13	1	8.46E+04	3.94E+02	1.56E+09	2.40E+01	6.55E+01	-	1.76E+01
Methylnaphthalene, 2-	1	0.13	1	8.37E+04	-	1.56E+09	-	-	-	-
Naphthalene	1	0.13	1	6.69E+04	-	1.56E+09	-	-	5.52E+00	5.52E+00
Nitropyrene, 4-	1	0.13	1	-	-	1.56E+09	5.79E-01	1.58E+00	3.98E+04	4.24E-01
Pyrene	1	0.13	1	3.43E+06	-	1.56E+09	-	-	-	-
Toluene	1	-	1	6.19E+03	8.18E+02	1.56E+09	-	-	-	-
Trimethylbenzene, 1,2,4-	1	-	1	1.14E+04	2.19E+02	1.56E+09	-	-	-	-
Trimethylbenzene, 1,3,5-	1	-	1	9.54E+03	1.82E+02	1.56E+09	-	-	-	-
Xylenes	1	-	1	8.28E+03	2.60E+02	1.56E+09	-	-	-	-

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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	Ingestion SL Child THQ=1 (mg/kg)	Dermal SL Child THQ=1 (mg/kg)	Inhalation SL Child THQ=1 (mg/kg)	Noncarcinogenic SL Child THI=1 (mg/kg)	Ingestion SL Adult THQ=1 (mg/kg)	Dermal SL Adult THQ=1 (mg/kg)	Inhalation SL Adult THQ=1 (mg/kg)	Noncarcinogenic SL Adult THI=1 (mg/kg)	Screening Level (mg/kg)
Benzene	3.13E+02	-	1.60E+02	1.06E+02	3.34E+03	-	1.60E+02	1.52E+02	1.60E+00 ca
Dibromoethane, 1,2-	7.04E+02	-	1.17E+02	1.00E+02	7.51E+03	-	1.17E+02	1.15E+02	5.00E-02 ca
Dichloroethane, 1,2-	4.69E+02	-	4.82E+01	4.37E+01	5.01E+03	-	4.82E+01	4.77E+01	6.52E-01 ca
Ethylbenzene	7.82E+03	-	8.53E+03	4.08E+03	8.34E+04	-	8.53E+03	7.74E+03	8.02E+00 ca
Lead and Compounds	-	-	-	-	-	-	-	-	4.00E+02 nc
Methyl tert-Butyl Ether (MTBE)	-	-	2.21E+04	2.21E+04	-	-	2.21E+04	2.21E+04	6.38E-01 ca*
Acenaphthene	4.69E+03	1.52E+04	-	3.59E+03	5.01E+04	9.12E+04	-	3.23E+04	3.59E+03 nc
Anthracene	2.35E+04	7.61E+04	-	1.79E+04	2.50E+05	4.56E+05	-	1.62E+05	1.79E+04 nc
Benz[a]anthracene	-	-	-	-	-	-	-	-	1.57E-01 ca
Benzo(j)fluoranthene	-	-	-	-	-	-	-	-	4.24E-01 ca**
Benzo[a]pyrene	-	-	-	-	-	-	-	-	1.57E-02 ca
Benzo[b]fluoranthene	-	-	-	-	-	-	-	-	1.57E-01 ca
Benzo[k]fluoranthene	-	-	-	-	-	-	-	-	1.57E+00 ca
Chrysene	-	-	-	-	-	-	-	-	1.57E-01 ca
Dibenz[a,h]anthracene	-	-	-	-	-	-	-	-	1.57E-02 ca
Dibenzo(a,e)pyrene	-	-	-	-	-	-	-	-	4.24E-02 ca
Dimethylbenz(a)anthracene, 7,12-	-	-	-	-	-	-	-	-	4.59E-04 ca
Fluoranthene	3.13E+03	1.01E+04	-	2.39E+03	3.34E+04	6.08E+04	-	2.15E+04	2.39E+03 nc
Fluorene	3.13E+03	1.01E+04	-	2.39E+03	3.34E+04	6.08E+04	-	2.15E+04	2.39E+03 nc
Indeno[1,2,3-cd]pyrene	-	-	-	-	-	-	-	-	1.57E-01 ca
Methylnaphthalene, 1-	5.48E+03	1.77E+04	-	4.18E+03	5.84E+04	1.06E+05	-	3.77E+04	1.76E+01 ca
Methylnaphthalene, 2-	3.13E+02	1.01E+03	-	2.39E+02	3.34E+03	6.08E+03	-	2.15E+03	2.39E+02 nc
Naphthalene	1.56E+03	5.07E+03	2.09E+02	1.78E+02	1.67E+04	3.04E+04	2.09E+02	2.05E+02	5.52E+00 ca*
Nitropyrene, 4-	-	-	-	-	-	-	-	-	4.24E-01 ca
Pyrene	2.35E+03	7.61E+03	-	1.79E+03	2.50E+04	4.56E+04	-	1.62E+04	1.79E+03 nc
Toluene	6.26E+03	-	3.23E+04	5.24E+03	6.67E+04	-	3.23E+04	2.18E+04	5.24E+03 sat
Trimethylbenzene, 1,2,4-	-	-	8.34E+01	8.34E+01	-	-	8.34E+01	8.34E+01	8.34E+01 nc
Trimethylbenzene, 1,3,5-	7.82E+02	-	-	7.82E+02	8.34E+03	-	-	8.34E+03	7.82E+02 sat
Xylenes	1.56E+04	-	8.64E+02	8.18E+02	1.67E+05	-	8.64E+02	8.59E+02	8.18E+02 sat

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

History: 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. (20h) and (20m), Register, March, 1994, No. 459, eff. 4−1−94; cr. (1s), (10e), (10s), (20k), r. and recr. (12), (13), Register, August, 1995, No. 476, eff. 9−1−95; cr. (14m), Register, October, 1996, No. 490, eff. 11−1−96; am. (20), Register, December, 1998, No. 516, eff. 1−1−99; correction in (9) made under s. 13.93 (2m) (b) 7., Stats.,Register, April, 2001, No. 544; CR 02−134; cr. (1u), (1w), (1y) and (20s) Register June 2003 No. 570 eff. 7−1−03; correction in (20) made under s. 13.92 (4) (b) 6., Stats., Register January 2012 No. 673.

Subchapter II — Groundwater Quality Standards

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

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

Table 1
Public Health Groundwater Quality Standards

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

Table 1 – Continued
Public Health Groundwater Quality Standards

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

Table 1 – Continued
Public Health Groundwater Quality Standards

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

Table 1 – Continued
Public Health Groundwater Quality Standards

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

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

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

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

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

[5] 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.

[6] Xylene includes meta–, ortho–, and para–xylene combined.

History: Cr. Register, September, 1985, No. 357, eff. 10–1–85; am. table 1, Register, October, 1988, No. 394, eff. 11–1–88; am. table 1, Register, September, 1990, No. 417, eff. 10–1–90; am. Register, January, 1992, No. 433, eff. 2–1–92; am. Table 1, Register, March, 1994, No. 459, eff. 4–1–94; am. Table 1, Register, August, 1995, No. 476, eff. 9–1–95; am. Table 1, Register, December, 1998, No. 516, eff. 1–1–99; am. Table 1, boron, Register, December, 1998, No. 516, eff. 12–31–99; am. Table 1, Register, March, 2000, No. 531, eff. 4–1–00; CR 03–063: am Table 1, Register February 2004 No. 578, eff. 3–1–04; CR 02–095: am. Table 1, Register November 2006 No. 611, eff. 12–1–06; reprinted to correct errors in Table 1, Register January 2007 No. 613; CR 07–054: am. Table 1 Register January 2008 No. 625, eff. 2–1–08; CR 09–102: am. Table 1 Register December 2010 No. 660, eff. 1–1–11.

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

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

Table 2
Public Welfare Groundwater Quality Standards

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

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

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

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

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

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

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

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

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

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

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

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

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 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.

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 1,465 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

Bryce L. Kujawa

Professional Title

- Staff Scientist

Credentials

- Registered through the Wisconsin Department of Safety and Professional Services as a PECFA consultant (#17138).
- Member of the Geological Society of America

Education

Includes B.S. in Geology from the University of Wisconsin-Eau Claire. Applicable courses successfully completed include Hydrogeology, Contaminant Hydrogeology, Field Geology I and II, Mineralogy and Petrology I and II, Sedimentology and Stratigraphy, Petroleum and Economic Geology, Earth History, Physical Geology, Structural Geology, Computers in Geology, Geographic Informational Systems, Global Environmental Change, and General Chemistry.

Work Experience

With METCO since June, 2016 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.

J. Powell 1/4/18

Jason T. Powell
Staff Scientist

Date

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

1/4/18

Ronald J. Anderson PG
Senior Hydrogeologist/Project Manager

Date