Site Investigation Report

Greenfield Property – WI DOT
N2828 West Rock River Road
Waupun (Town of Alto), Wisconsin

April 12, 2016
by METCO
WDNR File Reference #: 03-20-001801
PECFA Claim #: 53963-9418-28

METCO

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This document was prepared by:

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April 12, 2016

WDNR BRRTS#: 03-20-001801
PECFA Claim #: 53963-9418-28-A

Glendon Greenfield
N2828 West Rock River Road
Waupun (Town of Alto), WI 53963-9418

Dear Mr. Greenfield,

Enclosed is our "Site Investigation Report" concerning the Greenfield Property – WI DOT site in Waupun (Town of Alto), 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.

Additional groundwater monitoring will likely be required by the state for trend analysis as only two rounds of groundwater monitoring have been completed to date. Vapor risk is unlikely at this time due to low levels for Benzene (8.9 ppb) in groundwater, and no soil exceedances for either G-9 or G-11 which are nearest the residence. Per response from the WDNR concerning this report, METCO will proceed.

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

Sincerely,

Jason T. Powell
Staff Scientist

C: Sarah Frederick – WDNR

EXECUTIVE SUMMARY

A farm has existed on the Greenfield Property for at least 100 years. In 1974, two 500-gallon USTs (leaded gasoline and diesel) were installed for fueling farm equipment. In 1986, the two 500-gallon USTs were removed and replaced with two 300-gallon USTs (leaded gasoline and diesel). Glen Greenfield removed the two 300-gallon USTs in 1992.

On December 1, 1992, Northern Environmental completed one soil boring in the area of the removed USTs. The soil boring was advanced to 7.5 feet with one soil sample collected at 7.5 feet for GRO analysis. The soil analytical results showed 2,500 ppm GRO and the petroleum contamination was reported to the WDNR, who then required that a site investigation be completed.

In July 1993, Glen Greenfield excavated approximately 50 yards of petroleum contaminated soil from the area of the removed USTs. The petroleum contaminated soil was stockpiled on a concrete pad, mixed with silage, and turned over several times. Several years after vegetation started to grow in the soil pile, the soil was thin spread on the property.

In 2014, METCO was contracted to complete the site investigation, which consisted of a Geoprobe Project, Drilling Project, and two rounds of groundwater monitoring. The results of the investigation clearly show that released petroleum products have impacted the local soil and groundwater. Results of the investigation are as follows:

- Local unconsolidated material (Till) generally consists of sandy silt/clay with gravel from surface to depths ranging from 26 to 31 feet below ground surface (bgs). Cobbles and some boulders were encountered in the unconsolidated materials starting at depths ranging from 5 to 16 feet bgs and were present to the bedrock surface (26-31 feet bgs). Fill material consisting of clayey sand and gravel was encountered in the area of the removed UST's. The fill material extends to approximately 6-8 feet bgs.

- Dolomite bedrock was encountered at depths ranging from 26 to 31 feet bgs and extending to at least 37 feet bgs.

- According to data collected from the monitoring wells, the depth to groundwater ranges from 5.08 to 17.22 feet bgs depending on well location and time of year. The local horizontal groundwater flow in the immediate area of the subject property is generally to the east/northeast. The two rounds of groundwater monitoring show a steep hydraulic gradient for the water table, which drops approximately 1 foot for every 7 to 10 feet of horizontal distance.

- An area of unsaturated soil contamination, which exceeds the NR720 Groundwater RCL values, exists in the area of the removed UST's. This consists of an irregular

shaped area, which appears to measure up to 20 feet long, up to 12 feet wide, and up to 3.5 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 UST's and has migrated toward the east/northeast. This plume is approximately 69 feet long and 44 feet wide.

- Based on the most recent groundwater analytical results, one monitoring well (MW-1) shows NR140 ES and/or PAL exceedances. Monitoring wells MW-2 and MW-3 do not show any NR140 ES and/or PAL exceedances for any contaminants of concern.

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

- The on-site potable well has been sampled three times and has not shown any detects for either VOC's or Dissolved lead.

- There are no other known potable wells within 400 feet of the groundwater contaminant plume.

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.

Additional groundwater monitoring will likely be required by the state for trend analysis as only two rounds of groundwater monitoring have been completed to date. Vapor risk is unlikely at this time due to low levels for Benzene (8.9 ppb) in groundwater, and no soil exceedances for either G-9 or G-11 which are nearest the residence. Per response from the WDNR concerning this report, METCO will proceed.

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

TABLE OF CONTENTS

Table of Contents

1.0 INTRODUCTION AND BACKGROUND.....1

2.0 GEOLOGY AND RECEPTORS.....3

3.0 SITE INVESTIGATION RESULTS, RISK CRITERIA.....5

4.0 CONCLUSIONS.....9

5.0 REFERENCES.....10

6.0 FIGURES.....11

7.0 DATA TABLES, GRAPHS, AND STATISTICAL ANALYSIS.....12

8.0 PHOTOS.....13

APPENDIX A/ METHODS OF INVESTIGATION.....14

APPENDIX B/ ANALYTICAL METHODS & LABORATORY DATA REPORTS.....15

APPENDIX C/ WELL AND BOREHOLE DOCUMENTATION.....16

APPENDIX D/ WASTE DISPOSAL DOCUMENTATION.....17

APPENDIX E/ OTHER DOCUMENTATION.....18

APPENDIX F/ QUALIFICATIONS OF METCO PERSONNEL.....19

APPENDIX G/ STANDARD OF CARE.....20

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

Glendon Greenfield
N2828 W. Rock River Rd
Waupun, WI 53963-9418
(920) 346-5152

1.2 Consultant Information

Consultant

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

Subcontractors

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

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

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

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

Ground Source Inc.
3671 Monroe Rd
DePere, WI 54115
(920) 336-3659

1.3 Site Location

Site address:
N2828 West Rock River Road
Waupun (Town of Alto), WI 53963

Latitude and Longitude:
43° 38' 42" N and 88° 48' 3" W

WTM Coordinates:
616711, 353133

Township/Range:
NW ¼, NW ¼, Section 35, Township 14 North, Range 14 East, Fond Du Lac County

1.4 Site History

A farm has existed on the Greenfield Property for at least 100 years. In 1974, two 500-gallon USTs (leaded gasoline and diesel) were installed for fueling farm equipment. In 1986, the two 500-gallon USTs were removed and replaced with two 300-gallon USTs (leaded gasoline and diesel). Glen Greenfield removed the two 300-gallon USTs in 1992.

On December 1, 1992, Northern Environmental completed one soil boring in the area of the removed USTs. The soil boring was advanced to 7.5 feet with one soil sample collected at 7.5 feet for GRO analysis. The soil analytical results showed 2,500 ppm GRO and the petroleum contamination was reported to the WDNR, who then required that a site investigation be completed.

In July 1993, Glen Greenfield excavated approximately 50 yards of petroleum contaminated soil from the area of the removed USTs. The petroleum contaminated soil was stockpiled on a concrete pad, mixed with silage, and turned over several times. Several years after vegetation started to grow in the soil pile, the soil was thin spread on the property.

No other LUST or ERP sites are known to exist within 1½ miles of the subject property.

2.0 GEOLOGY AND RECEPTORS

2.1 Regional and Local Geology and Hydrogeology

Topography and Regional Setting

According to the USGS Hydrologic Atlas, the Greenfield Property is located in the northern portion of the Rock-Fox Basin. This area is characterized by a rolling landscape shaped by the underlying bedrock surface and glacial deposits of varying thickness.

The elevation of the site is approximately 920 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 (Till) generally consist of tan to brown to orange to gray sandy silt/clay with gravel from surface to depths ranging from 26 to 31 feet bgs. Cobbles and some boulders were encountered in the unconsolidated materials starting at depths ranging from 5 to 16 feet bgs and were present to bedrock surface (26-31 feet bgs).

Fill material consisting of gray clayey sand and gravel was encountered in the area of the removed UST's from ground surface to depths ranging from 6 to 10 feet bgs.

Tan dolomite bedrock was encountered at depths ranging from 26 to 31 feet bgs and extending to at least 37 feet bgs.

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

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

Hydrogeology

According to data collected from the monitoring wells, the depth to groundwater ranges from 5.08 to 17.22 feet bgs depending on well location and time of year.

According to the water table measurements collected during groundwater sampling, the local horizontal groundwater flow in the immediate area of the subject property is generally to the east/northeast. The two rounds of groundwater monitoring show a steep hydraulic gradient for the water table, which drops approximately 1 foot for every 7 to 10 feet of horizontal distance. Groundwater Flow Direction Maps are presented in Section 6.

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

2.2 Receptors

Buildings, Basements, Sumps, Utility Corridors

The only utility line that exists in any area of residual soil or groundwater contamination is a buried electric line. Buried electric lines typically exist within 30 inches of ground surface and are backfilled with native soil. Based on this, the utility corridor does not appear to be a preferential contaminant migration pathway.

The extent of petroleum contamination in groundwater exceeding the NR140 ES does extend up to and underneath the southeast corner of the garage. However, the extent of petroleum contamination in groundwater exceeding the NR140 ES and/or PAL does not come into contact with any other buildings, basements, or sumps.

There does not appear to be any vapor intrusion risk to the garage for the following reasons: 1) The garage is not an inhabited building. 2) Benzene levels in groundwater are significantly less than 1,000 ppb. 3) Free product has not been encountered at the subject property.

There does not appear to be any risk to the residence on site, since there is no soil or groundwater contamination in the area of the home.

Municipal and Private Water Supply Wells

The subject property and surrounding properties are all served by private potable wells. The on site potable well exists approximately 100 feet to the north of the removed USTs. An inactive potable well that was taken out of use because it did not produce enough water exists approximately 25 feet to the south of the active potable well. The next closest potable well exists on a neighboring property which is approximately 450 feet to the northeast (farm house) of the former UST system.

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 the Rock River, which exists approximately 1,500 feet to the north of the subject property.

3.0 SITE INVESTIGATION RESULTS, RISK CRITERIA

3.1 Methods of Investigation

Workscope

The workscope performed for the LUST Investigation included the following:

1) Collected site background information.
2) On January 8, 2014, METCO prepared a LUST Investigation Field Procedures Workplan.
3) On August 11, 2014, METCO completed fifteen Geoprobe borings. Forty-three soil samples were collected for field and/or laboratory analysis. A water sample was also collected from the on-site potable well for laboratory analysis.
4) On September 1, 2015, METCO completed three soil borings which were converted to monitoring wells. Twenty soil samples were collected for field and/or laboratory analysis. Upon completion, the monitoring wells were properly developed.
5) On September 23, 2015, METCO collected groundwater samples from all three monitoring wells and the on-site potable well for field and/or laboratory analysis (Round 1). The monitoring well network was also properly surveyed to feet MSL at this time.
6) On December 21, 2015, METCO collected groundwater samples from all three monitoring wells and the on-site potable well for field and/or laboratory analysis (Round 2).

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 August 11, 2014, during the Geoprobe project, fifteen Geoprobe borings were completed with forty-three soil samples collected for field and laboratory analysis (PID, VOC, PVOC, PAH, Naphthalene, and Lead).

On September 1, 2015, during the Drilling project, three soil borings were completed with twenty soil samples collected for field and laboratory analysis (PID, DRO, GRO, PVOC, Naphthalene, and TCLP-Lead).

Soil analytical results are summarized in the Soil Analytical Tables with exceedances of the NR720 Groundwater RCL values noted.

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

Groundwater Sampling Data

On September 23, 2015, Round 1 groundwater samples were collected from all three monitoring wells and analyzed for VOC, PAH, Dissolved Lead, and natural attenuation parameters (Dissolved Iron, Dissolved Manganese, Sulfates, and Nitrate/Nitrite). Field measurements for water level, temperature, pH, ORP, Dissolved Oxygen, and Specific Conductance were collected from the three monitoring wells.

On December 21, 2015, Round 2 groundwater samples were collected from all three monitoring wells and analyzed for PVOC, Naphthalene, and Dissolved Lead. Field measurements for water level, temperature, pH, ORP, Dissolved Oxygen, and Specific Conductance were collected from the three monitoring wells.

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

The monitoring well locations are presented in the Detailed Site Map in Section

6. All data is presented in the data tables in Section 7. The lab reports are presented in Appendix B.

Potable Well Sampling Data

On August 11, 2014, during the Geoprobe project, METCO personnel collected a water sample from the on-site potable well for laboratory analysis (VOC Method 524.2).

On September 23, 2015, during the Round 1 sampling event, METCO personnel collected a water sample from the on-site potable well for laboratory analysis (VOC Method 8260).

On December 21, 2015, during the Round 2 sampling event, METCO personnel collected a water sample from the on-site potable well for laboratory analysis (VOC Method 8260 and Dissolved Lead).

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

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

Laboratory Certification

Synergy Environmental Lab
Wisconsin Lab Certification #445037560

3.3 Permeability and Hydraulic Conductivities

Slug tests were not conducted during the site investigation. Book values for geologic materials (sandy silt) at the watertable give an estimated hydraulic conductivity of 10^{-4} to 10^{-6} cm/s. Based on the average hydraulic gradient of 0.1165689 for the two rounds of groundwater monitoring, this yields an estimated flow velocity of 0.12240 to 12.23973 m/yr. Slug test data is presented in Appendix E.

3.4 Discussion of Results

Local unconsolidated material (Till) generally consists of sandy silt/clay with gravel from surface to depths ranging from 26 to 31 feet below ground surface (bgs). Cobbles and some boulders were encountered in the unconsolidated materials starting at depths ranging from 5 to 16 feet bgs and were present to the bedrock surface (26-31 feet bgs). Fill material consisting of clayey sand and gravel was encountered in the area of the removed UST's. The fill material extends to approximately 6-8 feet bgs.

Dolomite bedrock was encountered at depths ranging from 26 to 31 feet bgs and extending to at least 37 feet bgs.

According to data collected from the monitoring wells, the depth to groundwater ranges from 5.08 to 17.22 feet bgs depending on well location and time of year. The local horizontal groundwater flow in the immediate area of the subject property is generally to the east/northeast. The two rounds of groundwater monitoring show a steep hydraulic gradient for the water table, which drops approximately 1 foot for every 7 to 10 feet of horizontal distance.

An area of unsaturated soil contamination, which exceeds the NR720 Groundwater RCL values, exists in the area of the removed UST's. This consists of an irregular shaped area, which appears to measure up to 20 feet long, up to 12 feet wide, and up to 3.5 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 UST's and has migrated toward the east/northeast. This plume is approximately 69 feet long and 44 feet wide.

Based on the most recent groundwater analytical results, one monitoring well (MW-1) shows NR140 ES and/or PAL exceedances. Monitoring wells MW-2 and MW-3 do not show any NR140 ES and/or PAL exceedances for any contaminants of concern.

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

The on-site potable well has been sampled three times and has not shown any detects for either VOC's or Dissolved lead.

There are no other known potable wells within 400 feet of the groundwater contaminant plume.

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

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

3.6 Risk Assessment

Per the NR746.03 definitions a release from petroleum tanks is considered

"high risk" if any of the four following criterion are met:

1. Verified contaminant concentrations in a private or public potable well that exceeds the preventive action limit established under Chapter, Stats. 160.
2. Petroleum product that is not in the dissolved phase (floating product) is present with a thickness of 0.01 feet or more, and verified by more than one sampling event.
3. An enforcement standard exceedance in groundwater within 1,000 feet of a well operated by a public utility, or within 100 feet of any other well 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 Greenfield Property – WI DOT site is currently a "high risk" site because the on-site potable well does exist within 100 feet of the groundwater contaminant plume exceeding the NR140 ES.

4.0 CONCLUSIONS

4.1 Investigation Summary

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

4.2 Recommendations

Additional groundwater monitoring will likely be required by the state for trend analysis as only two rounds of groundwater monitoring have been completed to date. Vapor risk is unlikely at this time due to low levels for Benzene (8.9 ppb) in groundwater, and no soil exceedances for either G-9 or G-11 which are nearest the residence. Per response from the WDNR concerning this report, METCO will proceed.

5.0 REFERENCES

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

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

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

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Cotter, R.D., Hutchinson, R.D., Skinner, E.L., and Wentz, D.A., 1969, Water Resources of Wisconsin – Rock-Fox River Basin, Hydrologic Investigations, Atlas HA-360, U.S. Geological Survey, Washington D.C.

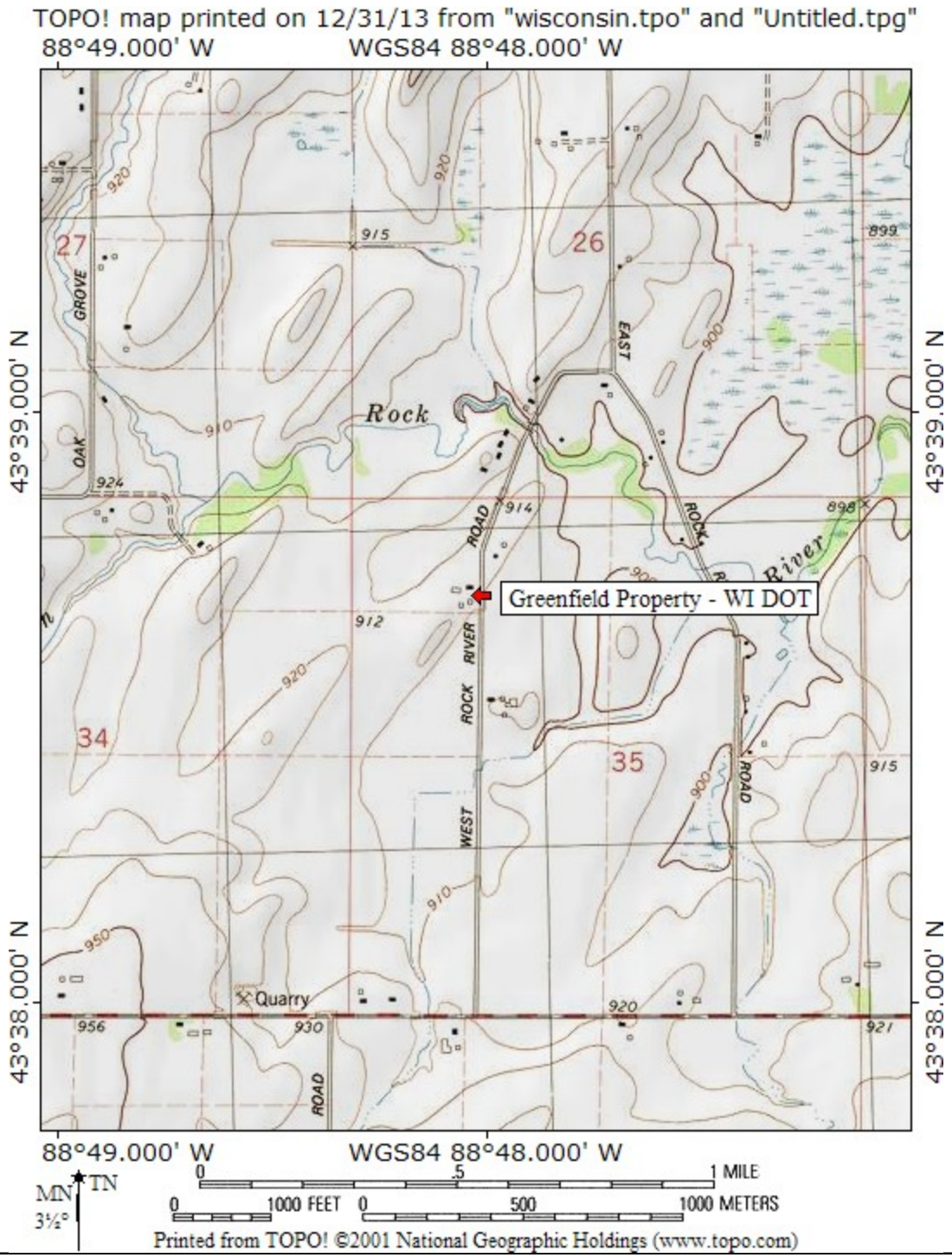
Seamless USGS Topographic Maps on CD-ROM, 2001, National Geographic Holdings, Inc., San Francisco, California.

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

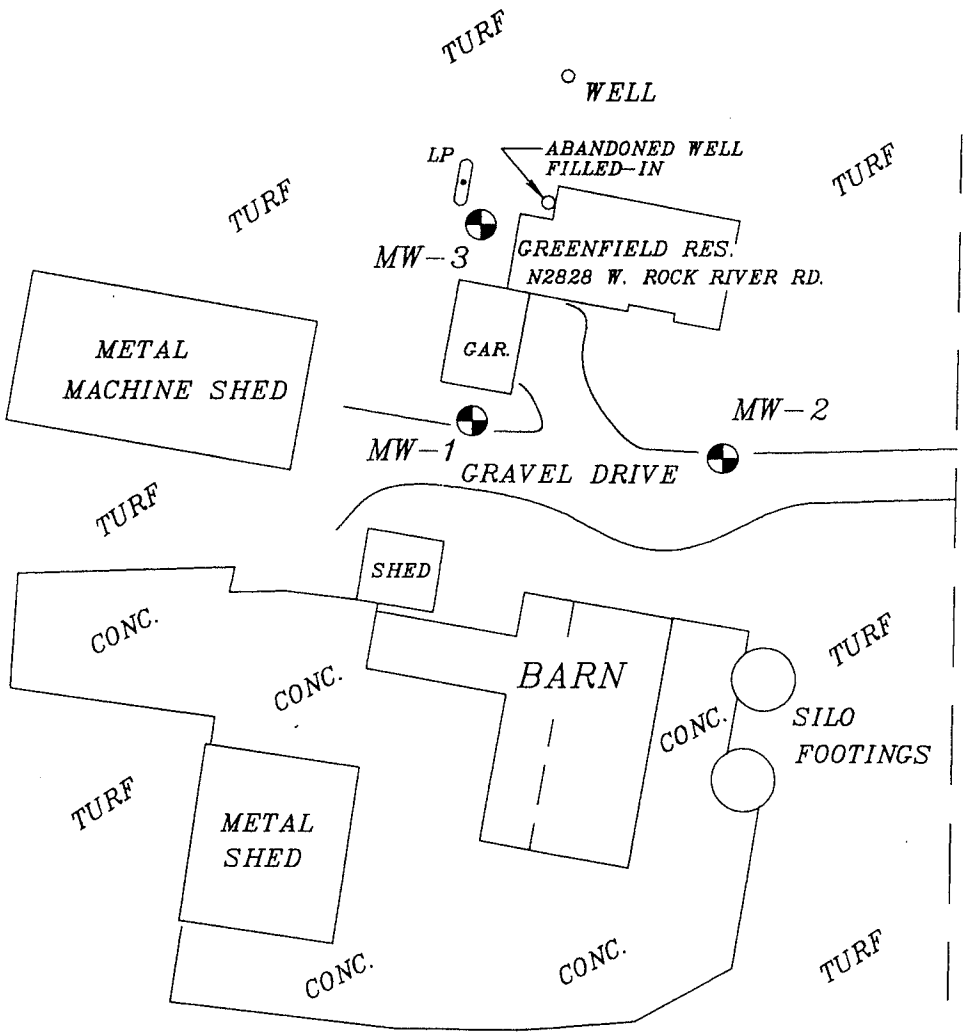
Weston, R.F., 1987, Remedial Technologies for Leaking Underground Storage Tanks.

Other information and data was collected from Glendon Greenfield, Diggers Hotline, Geiss Soil and Samples, LLC., Ground Source 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
GREENFIELD PROPERTY – WI DOT – WAUPUN, WI
SEAMLESS USGS TOPOGRAPHIC MAPS ON CD-ROM



KEY

MONITORING WELL (FLUSH)

N

SCALE 1" = 60'

0' 60' 120'

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

MW-1	TW	= 917.51'
	TC	= 917.01'
MW-2	TW	= 919.15'
	TC	= 918.58'
MW-3	TW	= 917.56'
	TC	= 917.04'

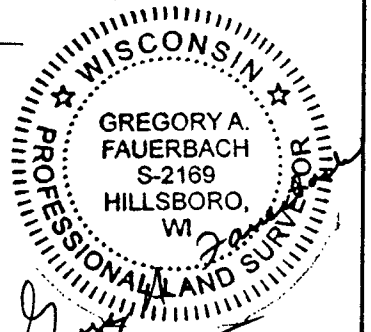
WISCONSIN
GREGORY A.
FAUERBACH
S-2169
HILLSBORO,
WI
PROFESSIONAL LAND SURVEYOR

9-26-15

DRAWN BY: G.FAUERBACH DATE: 9-22-14 FIELD DWG. NO.: 55115 BRRTS #	REVISIONS	PROJECT: GREENFIELD PROPERTY N2828 WEST ROCK RIVER RD. WAUPUN, WI 53963	SHEET NAME LOCATION MAP	PAGE 1 OF 1

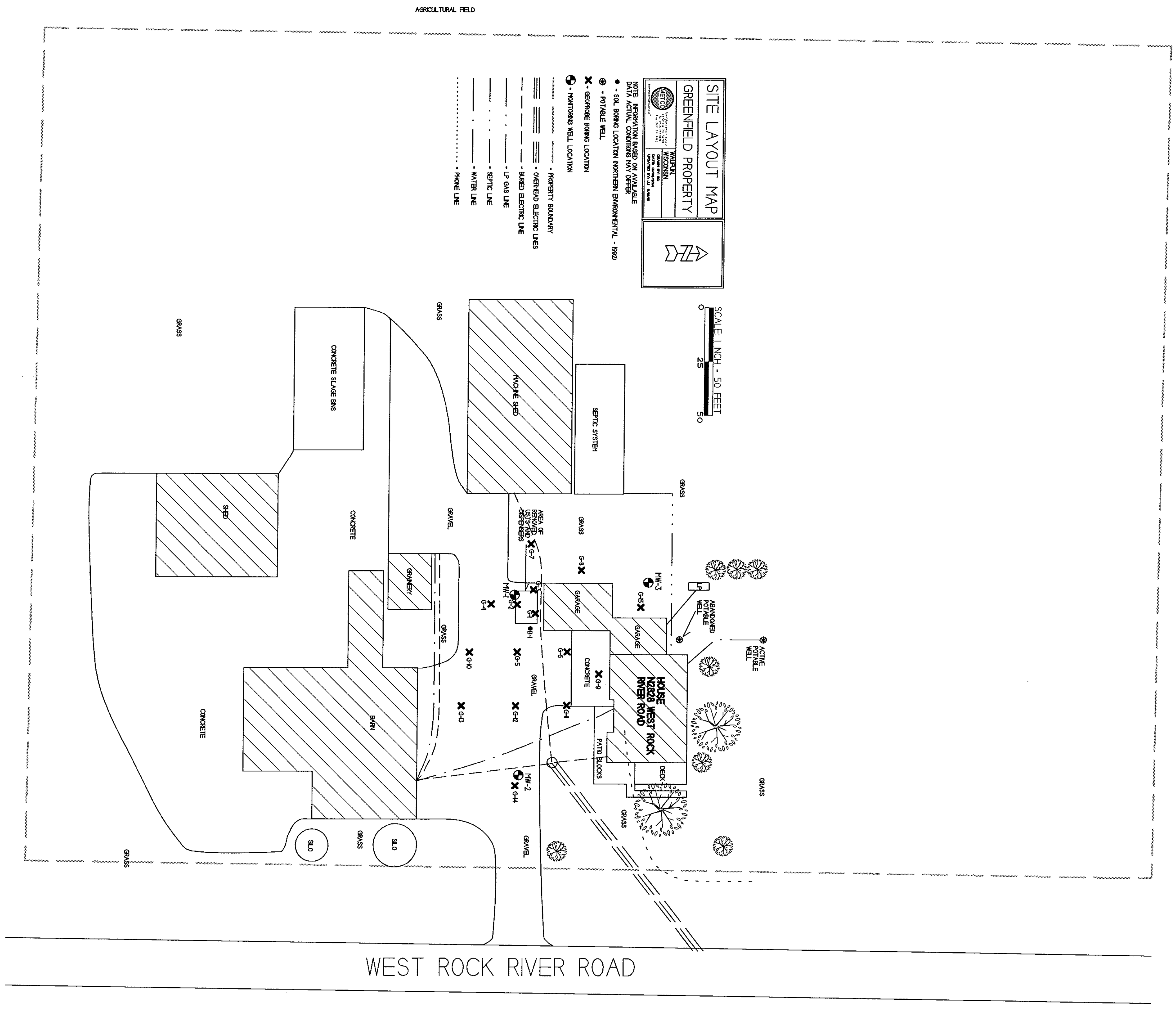
FAUERBACH SURVEYING & ENG.
PO BOX 140, HILLSBORO, WI 54634
PH/FAX 608-489-3363

WELL	FOND DU LAC CO. COORD. SYSTEM NAD83(2011) NORTH	EAST	TOP OF WELL ELEVATION (NAVD88)	TOP OF PVC CASING ELEVATION (NAVD88)
MW-1	337475.96	723360.96	917.51'	917.01'
MW-2	337464.07	723440.07	919.15'	918.58'
MW-3	337538.31	723363.78	917.56'	917.04'



9-26-15

DRAWN BY: C.FAUERBACH DATE: 9-22-15 FIELD DWG. NO.: 55115 BRRTS #	REVISIONS FAUERBACH SURVEYING & ENG. PO BOX 140, HILLSBORO, WI 54634 PH/FAX 608-489-3363	PROJECT: GREENFIELD PROPERTY N2828 WEST ROCK RIVER RD. WAUPUN, WI 53963	SHEET NAME DATA SHEET	PAGE 1 OF 1



AGRICULTURAL FIELD
SITE LAYOUT MAP
GREENFIELD PROPERTY
WAUPUN, WISCONSIN
METCO
NOTE: INFORMATION BASED ON AVAILABLE DATA ACTUAL CONDITIONS MAY DIFFER
● - SOIL BORING LOCATION (NORTHERN ENVIRONMENTAL - 1992)
- POTABLE WELL
X - GEOPROBE BORING LOCATION
- MONITORING WELL LOCATION
- PROPERTY BOUNDARY
- OVERHEAD ELECTRIC LINES
- BURIED ELECTRIC LINE
- LP GAS LINE
- SEPTIC LINE
- WATER LINE
- PHONE LINE
SCALE: 1 INCH = 50 FEET
0
25
50
GRASS
CONCRETE SILAGE BINS
MACHINE SHED
SEPTIC SYSTEM
SHED
CONCRETE
GRAVEL
AREA OF REMOVED USTS AND DISPENSERS
GRANERY
GARAGE
MW-1
MW-2
MW-3
G-1
G-2
G-3
G-4
G-5
G-6
G-7
G-8
G-9
G-10
G-12
G-13
G-14
B-1
ABANDONED POTABLE WELL
ACTIVE POTABLE WELL
HOUSE N2828 WEST ROCK RIVER ROAD
PATIO BLOCKS
DECK
BARN
SILO
SILO
WEST ROCK RIVER ROAD
AGRICULTURAL FIELD

SITE LAYOUT MAP

GREENFIELD PROPERTY

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

WAUPUN,
WISCONSIN

DRAWN BY: ED
DATE: 01/02/2014
UPDATED BY: JJ 9/16/15

SCALE:
1 INCH = 30 FEET
0 15 30

NOTE: INFORMATION BASED ON AVAILABLE DATA ACTUAL CONDITIONS MAY DIFFER

- ● - SOIL BORING LOCATION (NORTHERN ENVIRONMENTAL - 1992)
- ⊛ - POTABLE WELL
- ✕ - GEOPROBE BORING LOCATION
- ⊕ - MONITORING WELL LOCATION
- - PROPERTY BOUNDARY
- - OVERHEAD ELECTRIC LINES
- - BURIED ELECTRIC LINE
- - LP GAS LINE
- - SEPTIC LINE
- - WATER LINE
- - PHONE LINE

AGRICULTURAL FIELD

ACTIVE POTABLE WELL
ABANDONED POTABLE WELL
LP
GRASS
MW-3
G-15
GARAGE
HOUSE
N2828 WEST ROCK RIVER ROAD
DECK
GRASS
PATIO BLOCKS
G-9
CONCRETE
SEPTIC SYSTEM
GRASS
G-8
GARAGE
G-6
G-11
AREA OF REMOVED USTS AND DISPENSERS
G-7
G-3
G-1
B-1
GRAVEL
MW-2
G-14
GRAVEL
MACHINE SHED
MW-1
G-2
G-5
G-12
G-4
G-10
G-13
GRAVEL
GRASS
GRASS
GRAINERY
SILO
BARN
GRASS
CONCRETE
CONCRETE SILAGE BINS
SILO
SHED
CONCRETE
GRASS
GRASS

WEST ROCK RIVER ROAD

AGRICULTURAL FIELD

B.3.c GROUNDWATER FLOW DIRECTION (9/23/15)
GREENFIELD PROPERTY

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

WAUPUN, WISCONSIN

DRAWN BY: ED
DATE: 01/02/2014
UPDATED BY: JJ 9/16/15

SCALE:
1 INCH = 30 FEET
0 15 30

NOTE: INFORMATION BASED ON AVAILABLE DATA ACTUAL CONDITIONS MAY DIFFER

- ● - SOIL BORING LOCATION (NORTHERN ENVIRONMENTAL - 1992)
- ⊛ - POTABLE WELL
- ✕ - GEOPROBE BORING LOCATION
- ⊕ - MONITORING WELL LOCATION
- - PROPERTY BOUNDARY
- - OVERHEAD ELECTRIC LINES
- - BURIED ELECTRIC LINE
- - LP GAS LINE
- - SEPTIC LINE
- - WATER LINE
- - PHONE LINE

AGRICULTURAL FIELD

ACTIVE POTABLE WELL
ABANDONED POTABLE WELL
LP
GRASS
905.53' MSL
MW-3
G-15
HOUSE
N2828 WEST ROCK RIVER ROAD
GARAGE
DECK
PATIO BLOCKS
CONCRETE
G-9
G-8
G-6
G-11
SEPTIC SYSTEM
MACHINE SHED
AREA OF REMOVED USTS AND DISPENSERS
G-7
G-3
G-1
B-1
G-2
MW-1
910.60' MSL
G-4
G-5
G-12
G-14
MW-2
901.93' MSL
GRAVEL
910.00' MSL
908.00' MSL
906.00' MSL
904.00' MSL
902.00' MSL
G-10
G-13
GRAINERY
BARN
SILO
SILO
CONCRETE SILAGE BINS
SHED
CONCRETE
WEST ROCK RIVER ROAD
AGRICULTURAL FIELD

B.3.c GROUNDWATER FLOW DIRECTION (12/21/15)
GREENFIELD PROPERTY

METCO
709 Gillette Street, Suite 3
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Fax: (608) 781-8893
Experience through experience

WAUPUN, WISCONSIN

DRAWN BY: ED
DATE: 01/02/2014
UPDATED BY: JJ 9/16/15

NOTE: INFORMATION BASED ON AVAILABLE DATA ACTUAL CONDITIONS MAY DIFFER

- ● - SOIL BORING LOCATION (NORTHERN ENVIRONMENTAL - 1992)
- ⊛ - POTABLE WELL
- ✕ - GEOPROBE BORING LOCATION
- ◓ - MONITORING WELL LOCATION
- - PROPERTY BOUNDARY
- - OVERHEAD ELECTRIC LINES
- - BURIED ELECTRIC LINE
- - LP GAS LINE
- - SEPTIC LINE
- - WATER LINE
- - PHONE LINE

SCALE:
1 INCH = 30 FEET
0 15 30

AGRICULTURAL FIELD

ACTIVE POTABLE WELL
ABANDONED POTABLE WELL
LP
GRASS
908.83' MSL
MW-3
G-15
HOUSE
N2828 WEST ROCK RIVER ROAD
GARAGE
DECK
PATIO BLOCKS
CONCRETE
G-9
SEPTIC SYSTEM
G-8
G-6
G-11
MACHINE SHED
AREA OF REMOVED USTS AND DISPENSERS
G-7
G-3
G-1
G-2
B-1
GRAVEL
905.29' MSL
MW-2
G-14
MW-1
912.43' MSL
G-4
912.00' MSL
G-5
910.00' MSL
G-12
908.00' MSL
906.00' MSL
G-10
G-13
GRAINERY
SILO
BARN
CONCRETE SILAGE BINS
SHED
CONCRETE

WEST ROCK RIVER ROAD

AGRICULTURAL FIELD

SOIL CONTAMINATION
GREENFIELD PROPERTY

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Excellence through experience

WAUPUN,
WISCONSIN

DRAWN BY: ED
DATE: 01/02/2014
UPDATED BY: JJ 9/16/15

SCALE:
1 INCH = 30 FEET
0 15 30

NOTE: INFORMATION BASED ON AVAILABLE DATA ACTUAL CONDITIONS MAY DIFFER

- ● - SOIL BORING LOCATION (NORTHERN ENVIRONMENTAL - 1992)
- ⊛ - POTABLE WELL
- ✕ - GEOPROBE BORING LOCATION
- ⊕ - MONITORING WELL LOCATION
- - PROPERTY BOUNDARY
- - OVERHEAD ELECTRIC LINES
- - BURIED ELECTRIC LINE
- - LP GAS LINE
- - SEPTIC LINE
- - WATER LINE
- - PHONE LINE

AGRICULTURAL FIELD

ACTIVE POTABLE WELL
ABANDONED POTABLE WELL
LP
GRASS
HOUSE
N2828 WEST ROCK RIVER ROAD
DECK
PATIO BLOCKS
GARAGE
CONCRETE
SEPTIC SYSTEM
MACHINE SHED
AREA OF REMOVED USTS AND DISPENSERS
GRAVEL
MW-1
MW-2
MW-3
B-1
G-1
G-2
G-3
G-4
G-5
G-6
G-7
G-8
G-9
G-10
G-11
G-12
G-13
G-14
G-15
ESTIMATED EXTENT OF PETROLEUM CONTAMINATION IN SOIL EXCEEDING NR720 GROUNDWATER RCL'S.
GRAINERY
BARN
SILO
CONCRETE SILAGE BINS
SHED
CONCRETE

WEST ROCK RIVER ROAD

AGRICULTURAL FIELD

GROUNDWATER ISOCONCENTRATION (12/21/15)

GREENFIELD PROPERTY

METCO
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Fax: (608) 781-8893
Excellence through teamwork

WAUPUN, WISCONSIN

DRAWN BY: ED
DATE: 01/02/2014
UPDATED BY: JJ 9/16/15

SCALE:
1 INCH = 30 FEET
0 15 30

NOTE: INFORMATION BASED ON AVAILABLE DATA ACTUAL CONDITIONS MAY DIFFER

- ● - SOIL BORING LOCATION (NORTHERN ENVIRONMENTAL - 1992)
- ⊛ - POTABLE WELL
- ✕ - GEOPROBE BORING LOCATION
- ◒ - MONITORING WELL LOCATION
- - PROPERTY BOUNDARY
- - OVERHEAD ELECTRIC LINES
- - BURIED ELECTRIC LINE
- - LP GAS LINE
- - SEPTIC LINE
- - WATER LINE
- - PHONE LINE

AGRICULTURAL FIELD

ACTIVE POTABLE WELL
ABANDONED POTABLE WELL
LP
GRASS
HOUSE N2828 WEST ROCK RIVER ROAD
DECK
GARAGE
PATIO BLOCKS
CONCRETE
SEPTIC SYSTEM
MACHINE SHED
AREA OF REMOVED USTS AND DISPENSERS
GRAVEL
MW-1
MW-2
MW-3
G-1
G-2
G-3
G-4
G-5
G-6
G-7
G-8
G-9
G-10
G-11
G-12
G-13
G-14
G-15
B-1
ES
PAL
ESTIMATED EXTENT OF PETROLEUM CONTAMINATION IN GROUNDWATER EXCEEDING THE NR140 ES AND/OR PAL.
GRAINERY
BARN
SILO
SILO
CONCRETE SILAGE BINS
SHED
CONCRETE

WEST ROCK RIVER ROAD

AGRICULTURAL FIELD

GEOLOGIC CROSS SECTION
GREENFIELD PROPERTY

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Excellence through experience

WAUPUN, WISCONSIN

DRAWN BY: ED
DATE: 01/02/2014
UPDATED BY: JJ 9/16/15

SCALE:
1 INCH = 30 FEET
0 15 30

NOTE: INFORMATION BASED ON AVAILABLE DATA ACTUAL CONDITIONS MAY DIFFER

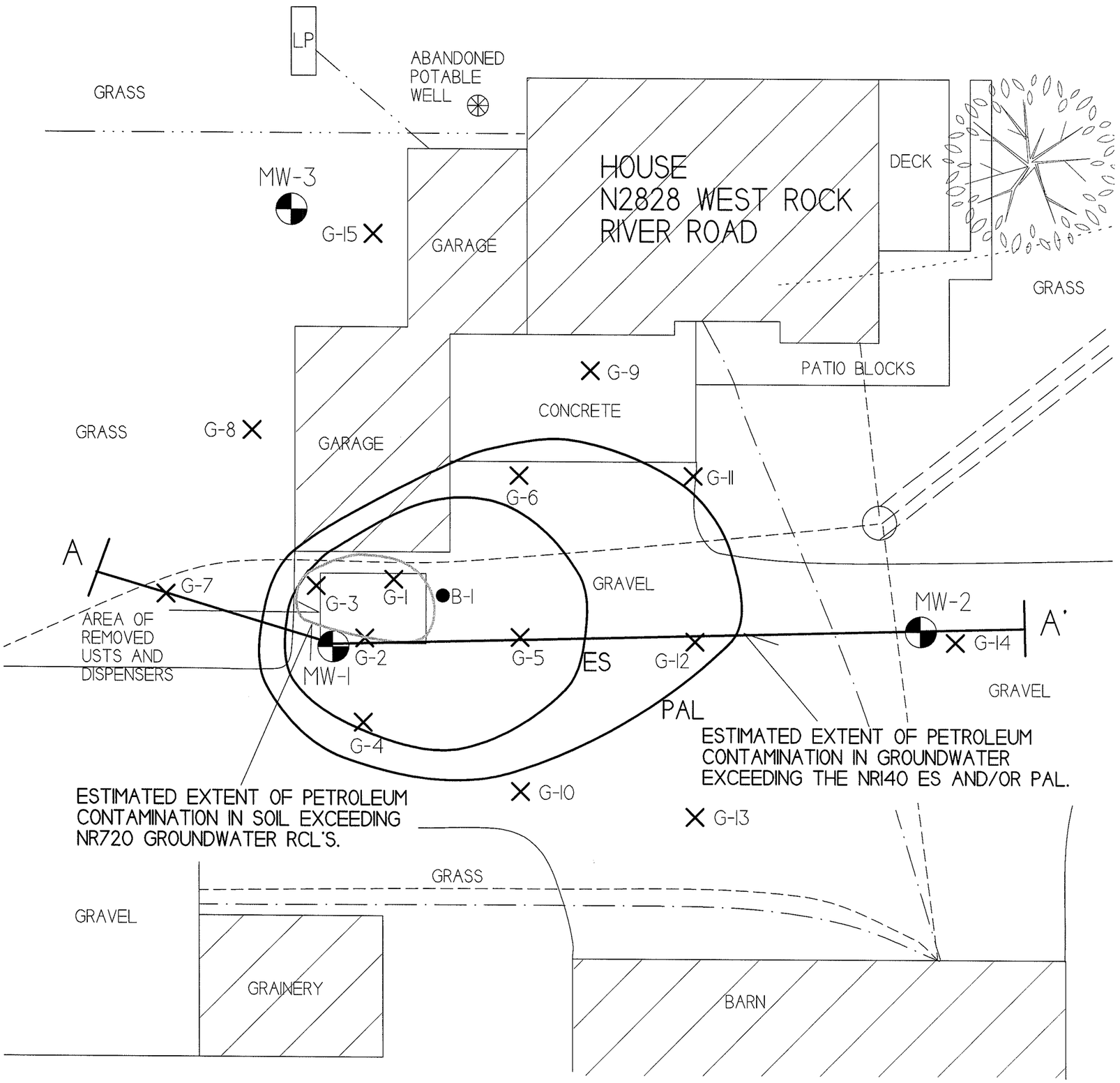
- ● - SOIL BORING LOCATION (NORTHERN ENVIRONMENTAL - 1992)
- ⊛ - POTABLE WELL
- ✕ - GEOPROBE BORING LOCATION
- ◓ - MONITORING WELL LOCATION
- - PROPERTY BOUNDARY
- - OVERHEAD ELECTRIC LINES
- - BURIED ELECTRIC LINE
- - LP GAS LINE
- - SEPTIC LINE
- - WATER LINE
- - PHONE LINE

AGRICULTURAL FIELD

ACTIVE POTABLE WELL
ABANDONED POTABLE WELL
LP
GRASS
MW-3
G-15
GARAGE
HOUSE
N2828 WEST ROCK RIVER ROAD
DECK
PATIO BLOCKS
CONCRETE
G-9
G-8
G-6
G-11
SEPTIC SYSTEM
MACHINE SHED
A
G-7
G-3
G-1
B-1
GRAVEL
MW-2
G-14
A'
AREA OF REMOVED USTS AND DISPENSERS
MW-1
G-2
G-5
ES
G-12
PAL
G-4
G-10
G-13
ESTIMATED EXTENT OF PETROLEUM CONTAMINATION IN SOIL EXCEEDING NR720 GROUNDWATER RCL'S.
ESTIMATED EXTENT OF PETROLEUM CONTAMINATION IN GROUNDWATER EXCEEDING THE NR140 ES AND/OR PAL.
GRAINERY
BARN
SILO
SILO
CONCRETE SILAGE BINS
SHED
CONCRETE

WEST ROCK RIVER ROAD

AGRICULTURAL FIELD



GEOLOGIC CROSS SECTION (CLOSE UP)
GREENFIELD PROPERTY

METCO
709 Gillette Street, Suite 3
La Crosse, WI 54603
Tel: (608) 781-8878
Fax: (608) 781-8893
Excellence through experience

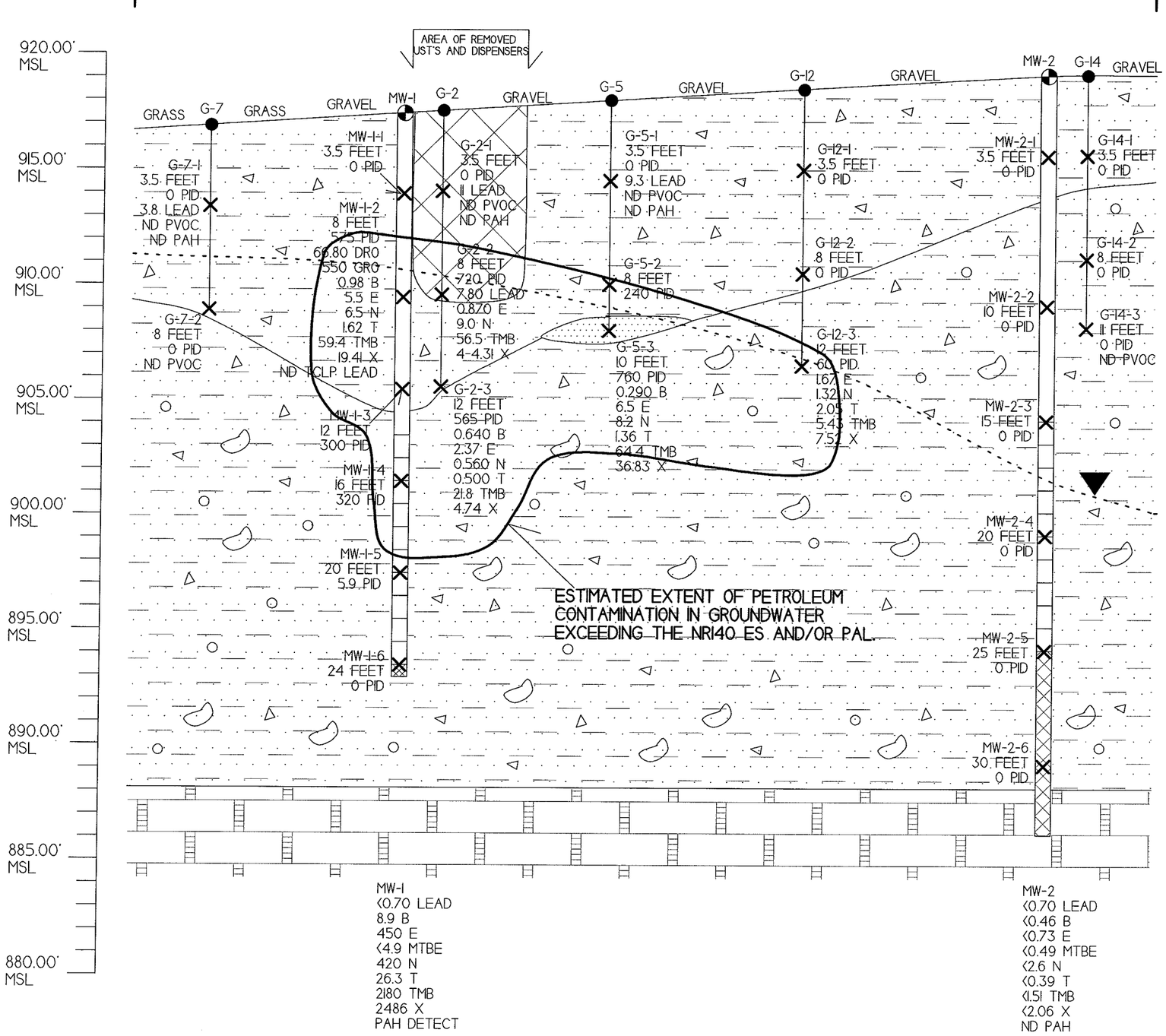
WAUPUN, WISCONSIN
DRAWN BY: ED
DATE: 04/02/2014
UPDATED BY: JJ 9/16/15

NOTE: INFORMATION BASED ON AVAILABLE DATA ACTUAL CONDITIONS MAY DIFFER

- ● = SOIL BORING LOCATION (NORTHERN ENVIRONMENTAL - 1992)
- ⊛ = POTABLE WELL
- × = GEOPROBE BORING LOCATION
- ◒ = MONITORING WELL LOCATION

- = PROPERTY BOUNDARY
- = OVERHEAD ELECTRIC LINES
- = BURIED ELECTRIC LINE
- = LP GAS LINE
- = SEPTIC LINE
- = WATER LINE
- = PHONE LINE

SCALE:
1 INCH = 15 FEET
0 15



GEOLOGIC CROSS SECTION

GREENFIELD PROPERTY

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Tel: (608) 781-8879
Fax: (608) 781-8893
Excellence through experience
WAUPUN, WISCONSIN

DRAWN BY: JJ 3/24/16

HORIZONTAL SCALE: 1 INCH = 15 FEET
0 15

VERTICAL SCALE: 1 INCH = 5 FEET
5 0

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

NOTE: SOIL AND GROUNDWATER SAMPLE DATA IS BASED ON LABORATORY RESULTS FROM SAMPLES COLLECTED DURING THE FOLLOWING EVENTS:
- GEOPROBE PROJECT (8/11/14)
- DRILLING PROJECT (9/1/15)
- ROUND 2 GROUNDWATER SAMPLING (12/21/15)

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 NORTHEAST.

ND = NO DETECT
PID = PHOTO IONIZATION DETECTOR
DRO = DIESEL RANGE ORGANICS
GRO = GASOLINE RANGE ORGANICS
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

- FILL MATERIAL
- GRAY FINE TO MEDIUM GRAINED SAND
- TAN TO GRAY TO BROWN SANDY SILT WITH GRAVEL
- GRAY SANDY SILT WITH GRAVEL, COBBLES, AND SOME BOULDERS
- DOLOMITE BEDROCK

NOTE: WATER TABLE IS BASED ON ALL TIME LOW MEASUREMENTS.

7.0 DATA TABLES, GRAPHS, AND STATISTICAL ANALYSIS

A.1 Groundwater Analytical Table
Greenfield Property – WI DOT BRRTS# 03-20-001801

Well MW-1
PVC Elevation = 917.01 (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)
09/23/15	910.60	6.41	<0.7	<22	*580*	<55	**630**	<22	**3150**	**3300-3345**
12/21/15	912.43	4.58	<0.7	**8.9**	*450*	<4.9	**420**	26.3	**2180**	**2486**
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 = 918.58 (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)
09/23/15	901.93	16.65	<0.7	<0.44	<0.71	<1.1	<1.6	<0.44	<3.1	<3.1
12/21/15	905.29	13.29	<0.7	<0.46	<0.73	<0.49	<2.6	<0.39	<1.51	<2.06
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 = 917.04 (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)
09/23/15	905.53	11.51	<0.7	*2.33*	0.81	<1.1	<1.6	1.33	<3.1	<3.1
12/21/15	908.83	8.21	<0.7	<0.46	<0.73	<0.49	<2.6	<0.39	<1.51	<2.06
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).

Private Well N2828 West Rock River Road

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)
08/11/14	NM	NM	NS	<0.24	<0.27	<0.26	<0.49	<0.24	<0.57	<0.94
09/23/15	NM	NM	NS	<0.44	<0.71	<1.1	<1.6	<0.44	<3.1	<3.1
12/21/15	NM	NM	<0.7	<0.44	<0.71	<1.1	<1.6	<0.44	<3.1	<3.1
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)
Greenfield Property – WI DOT BRRTS# 03-20-001801

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)
09/23/15	<2	<2.1	<2	<1.9	<1.9	<1.9	<2.4	<1.8	<1.7	<2.5	<1.8	<1.7	<1.8	71	120	350	<1.7	<1.8
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)
09/23/15	<0.02	<0.021	<0.02	<0.019	<0.019	<0.019	<0.024	<0.018	<0.017	<0.025	<0.018	<0.017	<0.018	<0.018	<0.017	<0.018	<0.017	<0.018
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)
09/23/15	<0.02	<0.021	<0.02	<0.019	<0.019	<0.019	<0.024	<0.018	<0.017	<0.025	<0.018	<0.017	<0.018	<0.018	0.021	0.031	<0.017	<0.018
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
Greenfield Property – WI DOT BRRTS# 03-20-001801

Well Sampling Conducted on: 08/11/14

VOC's (Method 524.2)		ENFORCE MENT STANDARD = ES – Bold	*PREVENTIVE ACTION LIMIT = PAL - Italics*
Well Name	N2828 WEST ROCK RIVER ROAD		
Benzene/ppb	< 0.24	5	*0.5*
Bromobenzene/ppb	< 0.33	==	==
Bromodichloromethane/ppb	< 0.27	0.6	*0.06*
Bromoform/ppb	< 0.34	4.4	*0.44*
Bromomethane/ppb	< 0.98	10	*1*
Carbon Tetrachloride/ppb	< 0.25	5	*0.5*
Chlorobenzene/ppb	< 0.24	==	==
Chloroethane/ppb	< 0.62	400	*80*
Chloroform/ppb	< 0.28	6	*0.6*
Chloromethane/ppb	< 0.81	30	*3*
2-Chlorotoluene/ppb	< 0.35	==	==
4-Chlorotoluene/ppb	< 0.29	==	==
Dibromochloromethane/ppb	< 0.2	60	*6*
Dibromomethane/ppb	< 0.41	==	==
1,4-Dichlorobenzene/ppb	< 0.25	75	*15*
1,3-Dichlorobenzene/ppb	< 0.3	600	*120*
1,2-Dichlorobenzene/ppb	< 0.28	600	*60*
Dichlorodifluoromethane/ppb	< 0.27	1000	*200*
1,2-Dichloroethane/ppb	< 0.41	5	*0.5*
1,1-Dichloroethane/ppb	< 0.3	850	*85*
1,1-Dichloroethene/ppb	< 0.31	7	*0.7*
cis-1,2-Dichloroethene/ppb	< 0.32	70	*7*
trans-1,2-Dichloroethene/ppb	< 0.25	100	*20*
1,2-Dichloropropane/ppb	< 0.32	5	*0.5*
2,2-Dichloropropane/ppb	< 0.45	==	==
1,3-Dichloropropane/ppb	< 0.26	==	==
trans-1,3-Dichloropropene/ppb	< 0.22	0.4	*0.04*
cis-1,3-Dichloropropene/ppb	< 0.2	0.4	*0.04*
1,1-Dichloropropene/ppb	< 0.34	==	==
Ethylbenzene/ppb	< 0.27	700	*140*
Hexachlorobutadiene/ppb	< 0.48	==	==
Isopropylbenzene/ppb	< 0.3	==	==
p-Isopropyltoluene/ppb	< 0.3	==	==
Methylene chloride/ppb	< 0.35	5	*0.5*
Methyl tert-butyl ether (MTBE)/ppb	< 0.26	60	*12*
Naphthalene/ppb	< 0.49	100	*10*
Styrene/ppb	< 0.23	100	*10*
1,1,2,2-Tetrachloroethane/ppb	< 0.45	0.2	*0.02*
1,1,1,2-Tetrachloroethane/ppb	< 0.29	70	*7*
Tetrachloroethene (PCE)/ppb	< 0.27	5	*0.5*
Toluene/ppb	< 0.24	800	*160*
1,2,4-Trichlorobenzene/ppb	< 0.24	70	*14*
1,1,1-Trichloroethane/ppb	< 0.33	200	*40*
1,1,2-Trichloroethane/ppb	< 0.34	5	*0.5*
Trichloroethene (TCE)/ppb	< 0.3	5	*0.5*
Trichlorofluoromethane/ppb	< 0.26	==	==
1,2,3-Trichloropropane/ppb	< 0.91	60	*12*
Trichlorotrifluoroethane/ppb	< 0.41	==	==
1,2,4-Trimethylbenzene/ppb	< 0.31		
1,3,5-Trimethylbenzene/ppb	< 0.26	480	*96*
Vinyl Chloride/ppb	< 0.18	0.2	*0.02*
m&p-Xylene/ppb	< 0.69		
o-Xylene/ppb	< 0.25	2000	*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

A.1 Groundwater Analytical Table
Greenfield Property – WI DOT BRRTS# 03-20-001801

Well Sampling Conducted on:	09/23/15	09/23/15	09/23/15	09/23/15	12/21/15	ENFORCE MENT STANDARD = ES – Bold	*PREVENTIVE ACTION LIMIT = PAL - Italics*
VOC's Well Name	MW-1	MW-2	MW-3	PRIVATE WELL N2828	PRIVATE WELL N2828		
Lead, dissolved/ppb	< 0.7	< 0.7	< 0.7	NS	< 0.7	15	*1.5*
Benzene/ppb	< 22	< 0.44	*2.33*	< 0.44	< 0.44	5	*0.5*
Bromobenzene/ppb	< 24	< 0.48	< 0.48	< 0.48	< 0.48	==	==
Bromodichloromethane/ppb	< 23	< 0.46	< 0.46	< 0.46	< 0.46	0.6	*0.06*
Bromoform/ppb	< 23	< 0.46	< 0.46	< 0.46	< 0.46	4.4	*0.44*
tert-Butylbenzene/ppb	< 55	< 1.1	< 1.1	< 1.1	< 1.1	==	==
sec-Butylbenzene/ppb	< 60	< 1.2	< 1.2	< 1.2	< 1.2	==	==
n-Butylbenzene/ppb	98 "J"	< 1	< 1	< 1	< 1	==	==
Carbon Tetrachloride/ppb	< 25.5	< 0.51	< 0.51	< 0.51	< 0.51	5	*0.5*
Chlorobenzene/ppb	< 23	< 0.46	< 0.46	< 0.46	< 0.46	==	==
Chloroethane/ppb	< 32.5	< 0.65	< 0.65	< 0.65	< 0.65	400	*80*
Chloroform/ppb	< 21.5	< 0.43	< 0.43	< 0.43	< 0.43	6	*0.6*
Chloromethane/ppb	< 95	< 1.9	< 1.9	< 1.9	< 1.9	30	*3*
2-Chlorotoluene/ppb	< 20	< 0.4	< 0.4	< 0.4	< 0.4	==	==
4-Chlorotoluene/ppb	< 31.5	< 0.63	< 0.63	< 0.63	< 0.63	==	==
1,2-Dibromo-3-chloropropane/ppb	< 70	< 1.4	< 1.4	< 1.4	< 1.4	0.2	*0.02*
Dibromochloromethane/ppb	< 22.5	< 0.45	< 0.45	< 0.45	< 0.45	60	*6*
1,4-Dichlorobenzene/ppb	< 24.5	< 0.49	< 0.49	< 0.49	< 0.49	75	*15*
1,3-Dichlorobenzene/ppb	< 26	< 0.52	< 0.52	< 0.52	< 0.52	600	*120*
1,2-Dichlorobenzene/ppb	< 23	< 0.46	< 0.46	< 0.46	< 0.46	600	*60*
Dichlorodifluoromethane/ppb	< 43.5	< 0.87	< 0.87	< 0.87	< 0.87	1000	*200*
1,2-Dichloroethane/ppb	< 24	*1.12 "J"*	< 0.48	< 0.48	< 0.48	5	*0.5*
1,1-Dichloroethane/ppb	< 55	< 1.1	< 1.1	< 1.1	< 1.1	850	*85*
1,1-Dichloroethene/ppb	< 32.5	< 0.65	< 0.65	< 0.65	< 0.65	7	*0.7*
cis-1,2-Dichloroethene/ppb	< 22.5	< 0.45	< 0.45	< 0.45	< 0.45	70	*7*
trans-1,2-Dichloroethene/ppb	< 27	< 0.54	< 0.54	< 0.54	< 0.54	100	*20*
1,2-Dichloropropane/ppb	< 21.5	< 0.43	< 0.43	< 0.43	< 0.43	5	*0.5*
2,2-Dichloropropane/ppb	< 155	< 3.1	< 3.1	< 3.1	< 3.1	==	==
1,3-Dichloropropane/ppb	< 21	< 0.42	< 0.42	< 0.42	< 0.42	==	==
Di-isopropyl ether/ppb	< 22	< 0.44	< 0.44	< 0.44	< 0.44	==	==
EDB (1,2-Dibromoethane)/ppb	< 31.5	< 0.63	< 0.63	< 0.63	< 0.63	0.05	*0.005*
Ethylbenzene/ppb	*580*	< 0.71	0.81 "J"	< 0.71	< 0.71	700	*140*
Hexachlorobutadiene/ppb	< 110	< 2.2	< 2.2	< 2.2	< 2.2	==	==
Isopropylbenzene/ppb	87 "J"	< 0.82	< 0.82	< 0.82	< 0.82	==	==
p-Isopropyltoluene/ppb	< 55	< 1.1	< 1.1	< 1.1	< 1.1	==	==
Methylene chloride/ppb	< 65	< 1.3	< 1.3	< 1.3	< 1.3	5	*0.5*
Methyl tert-butyl ether (MTBE)/ppb	< 55	< 1.1	< 1.1	< 1.1	< 1.1	60	*12*
Naphthalene/ppb	630	< 1.6	< 1.6	< 1.6	< 1.6	100	*10*
n-Propylbenzene/ppb	312	< 0.77	< 0.77	< 0.77	< 0.77	==	==
1,1,2,2-Tetrachloroethane/ppb	< 26	< 0.52	< 0.52	< 0.52	< 0.52	0.2	*0.02*
1,1,1,2-Tetrachloroethane/ppb	< 24	< 0.48	< 0.48	< 0.48	< 0.48	70	*7*
Tetrachloroethene (PCE)/ppb	< 24.5	< 0.49	< 0.49	< 0.49	< 0.49	5	*0.5*
Toluene/ppb	< 22	< 0.44	1.33 "J"	< 0.44	< 0.44	800	*160*
1,2,4-Trichlorobenzene/ppb	< 85	< 1.7	< 1.7	< 1.7	< 1.7	70	*14*
1,2,3-Trichlorobenzene/ppb	< 135	< 2.7	< 2.7	< 2.7	< 2.7	==	==
1,1,1-Trichloroethane/ppb	< 42	< 0.84	< 0.84	< 0.84	< 0.84	200	*40*
1,1,2-Trichloroethane/ppb	< 24	< 0.48	< 0.48	< 0.48	< 0.48	5	*0.5*
Trichloroethene (TCE)/ppb	< 23.5	< 0.47	< 0.47	< 0.47	< 0.47	5	*0.5*
Trichlorofluoromethane/ppb	< 43.5	< 0.87	< 0.87	< 0.87	< 0.87	==	==
1,2,4-Trimethylbenzene/ppb	2540	< 1.6	< 1.6	< 1.6	< 1.6		
1,3,5-Trimethylbenzene/ppb	610	< 1.5	< 1.5	< 1.5	< 1.5	Total TMB's 480	*Total TMB's 96*
Vinyl Chloride/ppb	< 8.5	< 0.17	< 0.17	< 0.17	< 0.17	0.2	*0.02*
m&p-Xylene/ppb	3300	< 2.2	< 2.2	< 2.2	< 2.2		
o-Xylene/ppb	< 45	< 0.9	< 0.9	< 0.9	< 0.9	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.7 Other
Groundwater NA Indicator Results
Greenfield Property – WI DOT BRRTS# 03-20-001801

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)
09/23/15	3.21	7.22	156	17.3	651	0.146	7.22	0.62	*105*
12/21/15	2.27	7.22	82	11.4	1012	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)
09/23/15	5.50	7.5	203	13.5	632	*2.15*	83.7	0.11	*181*
12/21/15	5.87	6.67	281	10.4	810	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)
09/23/15	5.00	7.33	189	17.5	605	*4.55*	40.5	0.03	*107*
12/21/15	3.94	7.06	199	10.9	611	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.6 Water Level Elevations
Greenfield Property – WI DOT BRRTS# 03-20-001801
Waupun, Wisconsin

	MW-1	MW2	MW-3
Ground Surface (feet msl)	917.51	919.15	917.56
PVC top (feet msl)	917.01	918.58	917.04
Well Depth (feet)	24.00	25.00	25.00
Top of screen (feet msl)	903.51	904.15	902.56
Bottom of screen (feet msl)	893.51	894.15	892.56
Depth to Water From Top of PVC (feet)			
09/23/15	6.41	16.65	11.51
12/21/15	4.58	13.29	8.21
Depth to Water From Ground Surface (feet)			
09/23/15	6.91	17.22	12.03
12/21/15	5.08	13.86	8.73
Groundwater Elevation (feet msl)			
09/23/15	910.60	901.93	905.53
12/21/15	912.43	905.29	908.83

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

8.0 PHOTOS

Photos

Photo #1: Garage and area of removed UST's (looking west).

Photo #2: Area of removed UST's (looking east).

Photo #3: On-site potable well (looking north).

APPENDIX A/ METHODS OF INVESTIGATION

Geoprobe Project

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

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

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

Geoprobe Soil Sampling

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

Drilling Project

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

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

Monitoring Well Installation, Development, and Sampling

Monitoring well installation was completed by Ground Source, 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 15-70 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 October 30, 2015, DKS Transport Services, LLC, of Menomonie, Wisconsin picked-up and disposed of two drums of soil cuttings and one drum of water to the Advanced Disposal Seven Mile Creek Landfill in Eau Claire, Wisconsin.

APPENDIX B/ ANALYTICAL METHODS & LABORATORY DATA REPORTS

Synergy Environmental Lab,

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

GLENDON GREENFIELD
GLENDON GREENFIELD
N2828 W. ROCK RIVER ROAD
WAUPUN, WI 53963

Report Date *18-Sep-14*

Project Name GREENFIELD PROPERTY **Invoice #** E27507
Project #

Lab Code 5027507A
Sample ID METH BLANK
Sample Matrix Soil
Sample Date 8/11/2014

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	< 25	ug/kg	7.9	25	1	GRO95/8021		8/20/2014	CJR	1
Ethylbenzene	< 25	ug/kg	7.7	25	1	GRO95/8021		8/20/2014	CJR	1
Methyl tert-butyl ether (MTBE)	< 25	ug/kg	8.1	26	1	GRO95/8021		8/20/2014	CJR	1
Naphthalene	< 25	ug/kg	22	70	1	GRO95/8021		8/20/2014	CJR	1
Toluene	< 25	ug/kg	8.4	27	1	GRO95/8021		8/20/2014	CJR	1
1,2,4-Trimethylbenzene	< 25	ug/kg	10	33	1	GRO95/8021		8/20/2014	CJR	1
1,3,5-Trimethylbenzene	< 25	ug/kg	9.3	30	1	GRO95/8021		8/20/2014	CJR	1
m&p-Xylene	< 50	ug/kg	16	50	1	GRO95/8021		8/20/2014	CJR	1
o-Xylene	< 25	ug/kg	10	32	1	GRO95/8021		8/20/2014	CJR	1

Project Name GREENFIELD PROPERTY **Invoice #** E27507
Project #

Lab Code 5027507B
Sample ID G-1-1
Sample Matrix Soil
Sample Date 8/11/2014

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	95.4	%			1	5021		8/15/2014	RKM	1
Inorganic										
Metals										
Lead, Total	28	mg/kg	0.19	0.5	1	6010B		8/22/2014	ESC	1
Organic										
PAH SIM										
Acenaphthene	< 21.1	ug/kg	21.1	67	1	M8270D	8/21/2014	8/26/2014	MDK	1
Acenaphthylene	< 19.5	ug/kg	19.5	61.9	1	M8270D	8/21/2014	8/26/2014	MDK	1
Anthracene	< 18.5	ug/kg	18.8	59.7	1	M8270D	8/21/2014	8/26/2014	MDK	1
Benzo(a)anthracene	< 18.4	ug/kg	18.4	58.4	1	M8270D	8/21/2014	8/26/2014	MDK	1
Benzo(a)pyrene	< 19	ug/kg	19	60.5	1	M8270D	8/21/2014	8/26/2014	MDK	1
Benzo(b)fluoranthene	< 18	ug/kg	18	57.3	1	M8270D	8/21/2014	8/26/2014	MDK	1
Benzo(g,h,i)perylene	< 23	ug/kg	23	73.2	1	M8270D	8/21/2014	8/26/2014	MDK	1
Benzo(k)fluoranthene	< 20.6	ug/kg	20.6	65.6	1	M8270D	8/21/2014	8/26/2014	MDK	1
Chrysene	< 18.5	ug/kg	18.5	58.7	1	M8270D	8/21/2014	8/26/2014	MDK	1
Dibenzo(a,h)anthracene	< 22.4	ug/kg	22.4	71.3	1	M8270D	8/21/2014	8/26/2014	MDK	1
Fluoranthene	< 18.1	ug/kg	18.1	57.7	1	M8270D	8/21/2014	8/26/2014	MDK	1
Fluorene	< 20	ug/kg	20	63.6	1	M8270D	8/21/2014	8/26/2014	MDK	1
Indeno(1,2,3-cd)pyrene	< 24.4	ug/kg	24.4	77.5	1	M8270D	8/21/2014	8/26/2014	MDK	1
1-Methyl naphthalene	< 19.5	ug/kg	19.5	62.1	1	M8270D	8/21/2014	8/26/2014	MDK	1
2-Methyl naphthalene	< 20.4	ug/kg	20.4	64.9	1	M8270D	8/21/2014	8/26/2014	MDK	1
Naphthalene	< 21.1	ug/kg	21.1	67.1	1	M8270D	8/21/2014	8/26/2014	MDK	1
Phenanthrene	< 24.7	ug/kg	24.7	78.5	1	M8270D	8/21/2014	8/26/2014	MDK	1
Pyrene	< 20	ug/kg	20	63.7	1	M8270D	8/21/2014	8/26/2014	MDK	1
PVOC										
Benzene	< 25	ug/kg	7.9	25	1	GRO95/8021		8/19/2014	CJR	1
Ethylbenzene	< 25	ug/kg	7.7	25	1	GRO95/8021		8/19/2014	CJR	1
Methyl tert-butyl ether (MTBE)	< 25	ug/kg	8.1	26	1	GRO95/8021		8/19/2014	CJR	1
Toluene	< 25	ug/kg	8.4	27	1	GRO95/8021		8/19/2014	CJR	1
1,2,4-Trimethylbenzene	< 25	ug/kg	10	33	1	GRO95/8021		8/19/2014	CJR	1
1,3,5-Trimethylbenzene	< 25	ug/kg	9.3	30	1	GRO95/8021		8/19/2014	CJR	1
m&p-Xylene	< 50	ug/kg	16	50	1	GRO95/8021		8/19/2014	CJR	1
o-Xylene	< 25	ug/kg	10	32	1	GRO95/8021		8/19/2014	CJR	1

Project Name GREENFIELD PROPERTY **Invoice #** E27507
Project #

Lab Code 5027507C
Sample ID G-1-3
Sample Matrix Soil
Sample Date 8/11/2014

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	87.7	%			1	5021		8/15/2014	RKM	1
Organic										
PVOC + Naphthalene										
Benzene	110	ug/kg	7.9	25	1	GRO95/8021		8/19/2014	CJR	1
Ethylbenzene	1130	ug/kg	7.7	25	1	GRO95/8021		8/19/2014	CJR	1
Methyl tert-butyl ether (MTBE)	< 25	ug/kg	8.1	26	1	GRO95/8021		8/19/2014	CJR	1
Naphthalene	760	ug/kg	22	70	1	GRO95/8021		8/19/2014	CJR	2
Toluene	148	ug/kg	8.4	27	1	GRO95/8021		8/19/2014	CJR	1
1,2,4-Trimethylbenzene	580	ug/kg	10	33	1	GRO95/8021		8/19/2014	CJR	1
1,3,5-Trimethylbenzene	570	ug/kg	9.3	30	1	GRO95/8021		8/19/2014	CJR	1
m&p-Xylene	830	ug/kg	16	50	1	GRO95/8021		8/19/2014	CJR	1
o-Xylene	91	ug/kg	10	32	1	GRO95/8021		8/19/2014	CJR	1

Lab Code 5027507D
Sample ID G-1-4
Sample Matrix Soil
Sample Date 8/11/2014

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	88.7	%			1	5021		8/15/2014	RKM	1
Organic										
PAH SIM										
Acenaphthene	< 21.1	ug/kg	21.1	67	1	M8270D	8/21/2014	8/26/2014	MDK	1
Acenaphthylene	< 19.5	ug/kg	19.5	61.9	1	M8270D	8/21/2014	8/26/2014	MDK	1
Anthracene	< 18.5	ug/kg	18.8	59.7	1	M8270D	8/21/2014	8/26/2014	MDK	1
Benzo(a)anthracene	< 18.4	ug/kg	18.4	58.4	1	M8270D	8/21/2014	8/26/2014	MDK	1
Benzo(a)pyrene	< 19	ug/kg	19	60.5	1	M8270D	8/21/2014	8/26/2014	MDK	1
Benzo(b)fluoranthene	< 18	ug/kg	18	57.3	1	M8270D	8/21/2014	8/26/2014	MDK	1
Benzo(g,h,i)perylene	< 23	ug/kg	23	73.2	1	M8270D	8/21/2014	8/26/2014	MDK	1
Benzo(k)fluoranthene	< 20.6	ug/kg	20.6	65.6	1	M8270D	8/21/2014	8/26/2014	MDK	1
Chrysene	< 18.5	ug/kg	18.5	58.7	1	M8270D	8/21/2014	8/26/2014	MDK	1
Dibenzo(a,h)anthracene	< 22.4	ug/kg	22.4	71.3	1	M8270D	8/21/2014	8/26/2014	MDK	1
Fluoranthene	< 18.1	ug/kg	18.1	57.7	1	M8270D	8/21/2014	8/26/2014	MDK	1
Fluorene	< 20	ug/kg	20	63.6	1	M8270D	8/21/2014	8/26/2014	MDK	1
Indeno(1,2,3-cd)pyrene	< 24.4	ug/kg	24.4	77.5	1	M8270D	8/21/2014	8/26/2014	MDK	1
1-Methyl naphthalene	25.1 "J"	ug/kg	19.5	62.1	1	M8270D	8/21/2014	8/26/2014	MDK	1
2-Methyl naphthalene	< 20.4	ug/kg	20.4	64.9	1	M8270D	8/21/2014	8/26/2014	MDK	1
Naphthalene	43 "J"	ug/kg	21.1	67.1	1	M8270D	8/21/2014	8/26/2014	MDK	1
Phenanthrene	< 24.7	ug/kg	24.7	78.5	1	M8270D	8/21/2014	8/26/2014	MDK	1
Pyrene	< 20	ug/kg	20	63.7	1	M8270D	8/21/2014	8/26/2014	MDK	1
PVOC										
Benzene	34	ug/kg	7.9	25	1	GRO95/8021		8/20/2014	CJR	1
Ethylbenzene	120	ug/kg	7.7	25	1	GRO95/8021		8/20/2014	CJR	1
Methyl tert-butyl ether (MTBE)	< 25	ug/kg	8.1	26	1	GRO95/8021		8/20/2014	CJR	1
Toluene	< 25	ug/kg	8.4	27	1	GRO95/8021		8/20/2014	CJR	1
1,2,4-Trimethylbenzene	< 25	ug/kg	10	33	1	GRO95/8021		8/20/2014	CJR	1
1,3,5-Trimethylbenzene	< 25	ug/kg	9.3	30	1	GRO95/8021		8/20/2014	CJR	1
m&p-Xylene	< 50	ug/kg	16	50	1	GRO95/8021		8/20/2014	CJR	1
o-Xylene	< 25	ug/kg	10	32	1	GRO95/8021		8/20/2014	CJR	1

Project Name GREENFIELD PROPERTY **Invoice #** E27507
Project #

Lab Code 5027507E
Sample ID G-2-1
Sample Matrix Soil
Sample Date 8/11/2014

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	87.1	%			1	5021		8/15/2014	RKM	1
Inorganic										
Metals										
Lead, Total	11	mg/kg	0.19	0.5	1	6010B		8/22/2014	ESC	1
Organic										
PAH SIM										
Acenaphthene	< 21.1	ug/kg	21.1	67	1	M8270D	8/21/2014	8/26/2014	MDK	1
Acenaphthylene	< 19.5	ug/kg	19.5	61.9	1	M8270D	8/21/2014	8/26/2014	MDK	1
Anthracene	< 18.5	ug/kg	18.8	59.7	1	M8270D	8/21/2014	8/26/2014	MDK	1
Benzo(a)anthracene	< 18.4	ug/kg	18.4	58.4	1	M8270D	8/21/2014	8/26/2014	MDK	1
Benzo(a)pyrene	< 19	ug/kg	19	60.5	1	M8270D	8/21/2014	8/26/2014	MDK	1
Benzo(b)fluoranthene	< 18	ug/kg	18	57.3	1	M8270D	8/21/2014	8/26/2014	MDK	1
Benzo(g,h,i)perylene	< 23	ug/kg	23	73.2	1	M8270D	8/21/2014	8/26/2014	MDK	1
Benzo(k)fluoranthene	< 20.6	ug/kg	20.6	65.6	1	M8270D	8/21/2014	8/26/2014	MDK	1
Chrysene	< 18.5	ug/kg	18.5	58.7	1	M8270D	8/21/2014	8/26/2014	MDK	1
Dibenzo(a,h)anthracene	< 22.4	ug/kg	22.4	71.3	1	M8270D	8/21/2014	8/26/2014	MDK	1
Fluoranthene	< 18.1	ug/kg	18.1	57.7	1	M8270D	8/21/2014	8/26/2014	MDK	1
Fluorene	< 20	ug/kg	20	63.6	1	M8270D	8/21/2014	8/26/2014	MDK	1
Indeno(1,2,3-cd)pyrene	< 24.4	ug/kg	24.4	77.5	1	M8270D	8/21/2014	8/26/2014	MDK	1
1-Methyl naphthalene	< 19.5	ug/kg	19.5	62.1	1	M8270D	8/21/2014	8/26/2014	MDK	1
2-Methyl naphthalene	< 20.4	ug/kg	20.4	64.9	1	M8270D	8/21/2014	8/26/2014	MDK	1
Naphthalene	< 21.1	ug/kg	21.1	67.1	1	M8270D	8/21/2014	8/26/2014	MDK	1
Phenanthrene	< 24.7	ug/kg	24.7	78.5	1	M8270D	8/21/2014	8/26/2014	MDK	1
Pyrene	< 20	ug/kg	20	63.7	1	M8270D	8/21/2014	8/26/2014	MDK	1
PVOC										
Benzene	< 25	ug/kg	7.9	25	1	GRO95/8021		8/19/2014	CJR	1
Ethylbenzene	< 25	ug/kg	7.7	25	1	GRO95/8021		8/19/2014	CJR	1
Methyl tert-butyl ether (MTBE)	< 25	ug/kg	8.1	26	1	GRO95/8021		8/19/2014	CJR	1
Toluene	< 25	ug/kg	8.4	27	1	GRO95/8021		8/19/2014	CJR	1
1,2,4-Trimethylbenzene	< 25	ug/kg	10	33	1	GRO95/8021		8/19/2014	CJR	1
1,3,5-Trimethylbenzene	< 25	ug/kg	9.3	30	1	GRO95/8021		8/19/2014	CJR	1
m&p-Xylene	< 50	ug/kg	16	50	1	GRO95/8021		8/19/2014	CJR	1
o-Xylene	< 25	ug/kg	10	32	1	GRO95/8021		8/19/2014	CJR	1

Project Name GREENFIELD PROPERTY **Invoice #** E27507
Project #

Lab Code 5027507F
Sample ID G-2-2
Sample Matrix Soil
Sample Date 8/11/2014

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	87.1	%			1	5021		8/15/2014	RKM	1
Inorganic										
Metals										
Lead, Total	7.8	mg/kg	0.19	0.5	1	6010B		8/22/2014	ESC	1
Organic										
VOC's										
Benzene	< 92	ug/kg	92	290	10	8260B		8/20/2014	CJR	1
Bromobenzene	< 130	ug/kg	130	400	10	8260B		8/20/2014	CJR	1
Bromodichloromethane	< 270	ug/kg	270	850	10	8260B		8/20/2014	CJR	1
Bromoform	< 300	ug/kg	300	950	10	8260B		8/20/2014	CJR	1
tert-Butylbenzene	< 200	ug/kg	200	640	10	8260B		8/20/2014	CJR	1
sec-Butylbenzene	1120 "J"	ug/kg	410	1320	10	8260B		8/20/2014	CJR	1
n-Butylbenzene	5400	ug/kg	260	820	10	8260B		8/20/2014	CJR	1
Carbon Tetrachloride	< 250	ug/kg	250	790	10	8260B		8/20/2014	CJR	1
Chlorobenzene	< 160	ug/kg	160	520	10	8260B		8/20/2014	CJR	1
Chloroethane	< 420	ug/kg	420	1330	10	8260B		8/20/2014	CJR	1
Chloroform	< 490	ug/kg	490	1570	10	8260B		8/20/2014	CJR	1
Chloromethane	< 2450	ug/kg	2450	7800	10	8260B		8/20/2014	CJR	1
2-Chlorotoluene	< 160	ug/kg	160	520	10	8260B		8/20/2014	CJR	1
4-Chlorotoluene	< 140	ug/kg	140	430	10	8260B		8/20/2014	CJR	1
1,2-Dibromo-3-chloropropane	< 480	ug/kg	480	1540	10	8260B		8/20/2014	CJR	1
Dibromochloromethane	< 140	ug/kg	140	450	10	8260B		8/20/2014	CJR	1
1,4-Dichlorobenzene	< 330	ug/kg	330	1030	10	8260B		8/20/2014	CJR	1
1,3-Dichlorobenzene	< 300	ug/kg	300	950	10	8260B		8/20/2014	CJR	1
1,2-Dichlorobenzene	< 380	ug/kg	380	1220	10	8260B		8/20/2014	CJR	1
Dichlorodifluoromethane	< 570	ug/kg	570	1820	10	8260B		8/20/2014	CJR	1
1,2-Dichloroethane	< 360	ug/kg	360	1140	10	8260B		8/20/2014	CJR	1
1,1-Dichloroethane	< 190	ug/kg	190	600	10	8260B		8/20/2014	CJR	1
1,1-Dichloroethene	< 210	ug/kg	210	660	10	8260B		8/20/2014	CJR	1
cis-1,2-Dichloroethene	< 240	ug/kg	240	770	10	8260B		8/20/2014	CJR	1
trans-1,2-Dichloroethene	< 290	ug/kg	290	930	10	8260B		8/20/2014	CJR	1
1,2-Dichloropropane	< 95	ug/kg	95	300	10	8260B		8/20/2014	CJR	1
2,2-Dichloropropane	< 460	ug/kg	460	1480	10	8260B		8/20/2014	CJR	4 7 8
1,3-Dichloropropane	< 210	ug/kg	210	680	10	8260B		8/20/2014	CJR	1
Di-isopropyl ether	< 110	ug/kg	110	340	10	8260B		8/20/2014	CJR	1
EDB (1,2-Dibromoethane)	< 200	ug/kg	200	640	10	8260B		8/20/2014	CJR	1
Ethylbenzene	870	ug/kg	100	330	10	8260B		8/20/2014	CJR	1
Hexachlorobutadiene	< 950	ug/kg	950	3040	10	8260B		8/20/2014	CJR	1
Isopropylbenzene	1460	ug/kg	250	800	10	8260B		8/20/2014	CJR	1
p-Isopropyltoluene	500 "J"	ug/kg	310	980	10	8260B		8/20/2014	CJR	1
Methylene chloride	< 2210	ug/kg	2210	7040	10	8260B		8/20/2014	CJR	1
Methyl tert-butyl ether (MTBE)	< 300	ug/kg	300	960	10	8260B		8/20/2014	CJR	4 7 8
Naphthalene	9000	ug/kg	1140	3630	10	8260B		8/20/2014	CJR	1
n-Propylbenzene	7100	ug/kg	240	750	10	8260B		8/20/2014	CJR	1
1,1,2,2-Tetrachloroethane	< 120	ug/kg	120	380	10	8260B		8/20/2014	CJR	1
1,1,1,2-Tetrachloroethane	< 230	ug/kg	230	740	10	8260B		8/20/2014	CJR	1
Tetrachloroethene	< 490	ug/kg	490	1570	10	8260B		8/20/2014	CJR	1
Toluene	< 200	ug/kg	200	650	10	8260B		8/20/2014	CJR	1
1,2,4-Trichlorobenzene	< 790	ug/kg	790	2510	10	8260B		8/20/2014	CJR	1
1,2,3-Trichlorobenzene	< 1290	ug/kg	1290	4110	10	8260B		8/20/2014	CJR	1
1,1,1-Trichloroethane	< 380	ug/kg	380	1200	10	8260B		8/20/2014	CJR	1
1,1,2-Trichloroethane	< 230	ug/kg	230	740	10	8260B		8/20/2014	CJR	1
Trichloroethene (TCE)	< 280	ug/kg	280	880	10	8260B		8/20/2014	CJR	1
Trichlorofluoromethane	< 860	ug/kg	860	2730	10	8260B		8/20/2014	CJR	1
1,2,4-Trimethylbenzene	42000	ug/kg	260	810	10	8260B		8/20/2014	CJR	1

Project Name GREENFIELD PROPERTY **Invoice #** E27507
Project #

Lab Code 5027507F
Sample ID G-2-2
Sample Matrix Soil
Sample Date 8/11/2014

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
1,3,5-Trimethylbenzene	14500	ug/kg	260	840	10	8260B		8/20/2014	CJR	1
Vinyl Chloride	< 210	ug/kg	210	660	10	8260B		8/20/2014	CJR	1
m&p-Xylene	4000	ug/kg	680	2160	10	8260B		8/20/2014	CJR	1
o-Xylene	< 310	ug/kg	310	980	10	8260B		8/20/2014	CJR	1
SUR - 1,2-Dichloroethane-d4	102	Rec %			10	8260B		8/20/2014	CJR	1
SUR - 4-Bromofluorobenzene	100	Rec %			10	8260B		8/20/2014	CJR	1
SUR - Dibromofluoromethane	90	Rec %			10	8260B		8/20/2014	CJR	1
SUR - Toluene-d8	94	Rec %			10	8260B		8/20/2014	CJR	1

Lab Code 5027507G
Sample ID G-2-3
Sample Matrix Soil
Sample Date 8/11/2014

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	91.1	%			1	5021		8/15/2014	RKM	1
Organic										
PAH SIM										
Acenaphthene	< 21.1	ug/kg	21.1	67	1	M8270D	8/21/2014	8/26/2014	MDK	1
Acenaphthylene	< 19.5	ug/kg	19.5	61.9	1	M8270D	8/21/2014	8/26/2014	MDK	1
Anthracene	< 18.5	ug/kg	18.8	59.7	1	M8270D	8/21/2014	8/26/2014	MDK	1
Benzo(a)anthracene	< 18.4	ug/kg	18.4	58.4	1	M8270D	8/21/2014	8/26/2014	MDK	1
Benzo(a)pyrene	< 19	ug/kg	19	60.5	1	M8270D	8/21/2014	8/26/2014	MDK	1
Benzo(b)fluoranthene	< 18	ug/kg	18	57.3	1	M8270D	8/21/2014	8/26/2014	MDK	1
Benzo(g,h,i)perylene	< 23	ug/kg	23	73.2	1	M8270D	8/21/2014	8/26/2014	MDK	1
Benzo(k)fluoranthene	< 20.6	ug/kg	20.6	65.6	1	M8270D	8/21/2014	8/26/2014	MDK	1
Chrysene	< 18.5	ug/kg	18.5	58.7	1	M8270D	8/21/2014	8/26/2014	MDK	1
Dibenzo(a,h)anthracene	< 22.4	ug/kg	22.4	71.3	1	M8270D	8/21/2014	8/26/2014	MDK	1
Fluoranthene	< 18.1	ug/kg	18.1	57.7	1	M8270D	8/21/2014	8/26/2014	MDK	1
Fluorene	< 20	ug/kg	20	63.6	1	M8270D	8/21/2014	8/26/2014	MDK	1
Indeno(1,2,3-cd)pyrene	< 24.4	ug/kg	24.4	77.5	1	M8270D	8/21/2014	8/26/2014	MDK	1
1-Methyl naphthalene	500	ug/kg	19.5	62.1	1	M8270D	8/21/2014	8/26/2014	MDK	1
2-Methyl naphthalene	890	ug/kg	20.4	64.9	1	M8270D	8/21/2014	8/26/2014	MDK	1
Naphthalene	560	ug/kg	21.1	67.1	1	M8270D	8/21/2014	8/26/2014	MDK	1
Phenanthrene	< 24.7	ug/kg	24.7	78.5	1	M8270D	8/21/2014	8/26/2014	MDK	1
Pyrene	< 20	ug/kg	20	63.7	1	M8270D	8/21/2014	8/26/2014	MDK	1
PVOC										
Benzene	640	ug/kg	7.9	25	1	GRO95/8021		8/19/2014	CJR	1
Ethylbenzene	2370	ug/kg	7.7	25	1	GRO95/8021		8/19/2014	CJR	1
Methyl tert-butyl ether (MTBE)	< 25	ug/kg	8.1	26	1	GRO95/8021		8/19/2014	CJR	1
Toluene	500	ug/kg	8.4	27	1	GRO95/8021		8/19/2014	CJR	1
1,2,4-Trimethylbenzene	16200	ug/kg	10	33	1	GRO95/8021		8/19/2014	CJR	1
1,3,5-Trimethylbenzene	5600	ug/kg	9.3	30	1	GRO95/8021		8/19/2014	CJR	1
m&p-Xylene	4600	ug/kg	16	50	1	GRO95/8021		8/19/2014	CJR	1
o-Xylene	137	ug/kg	10	32	1	GRO95/8021		8/19/2014	CJR	1

Project Name GREENFIELD PROPERTY **Invoice #** E27507
Project #

Lab Code 5027507H
Sample ID G-3-1
Sample Matrix Soil
Sample Date 8/11/2014

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	80.2	%			1	5021		8/15/2014	RKM	I
Inorganic										
Metals										
Lead, Total	31	mg/kg	0.19	0.5	1	6010B		8/22/2014	ESC	I
Organic										
PAH SIM										
Acenaphthene	< 21.1	ug/kg	21.1	67	1	M8270D	8/21/2014	8/26/2014	MDK	I
Acenaphthylene	< 19.5	ug/kg	19.5	61.9	1	M8270D	8/21/2014	8/26/2014	MDK	I
Anthracene	< 18.5	ug/kg	18.8	59.7	1	M8270D	8/21/2014	8/26/2014	MDK	I
Benzo(a)anthracene	< 18.4	ug/kg	18.4	58.4	1	M8270D	8/21/2014	8/26/2014	MDK	I
Benzo(a)pyrene	< 19	ug/kg	19	60.5	1	M8270D	8/21/2014	8/26/2014	MDK	I
Benzo(b)fluoranthene	< 18	ug/kg	18	57.3	1	M8270D	8/21/2014	8/26/2014	MDK	I
Benzo(g,h,i)perylene	< 23	ug/kg	23	73.2	1	M8270D	8/21/2014	8/26/2014	MDK	I
Benzo(k)fluoranthene	< 20.6	ug/kg	20.6	65.6	1	M8270D	8/21/2014	8/26/2014	MDK	I
Chrysene	< 18.5	ug/kg	18.5	58.7	1	M8270D	8/21/2014	8/26/2014	MDK	I
Dibenzo(a,h)anthracene	< 22.4	ug/kg	22.4	71.3	1	M8270D	8/21/2014	8/26/2014	MDK	I
Fluoranthene	< 18.1	ug/kg	18.1	57.7	1	M8270D	8/21/2014	8/26/2014	MDK	I
Fluorene	< 20	ug/kg	20	63.6	1	M8270D	8/21/2014	8/26/2014	MDK	I
Indeno(1,2,3-cd)pyrene	< 24.4	ug/kg	24.4	77.5	1	M8270D	8/21/2014	8/26/2014	MDK	I
1-Methyl naphthalene	< 19.5	ug/kg	19.5	62.1	1	M8270D	8/21/2014	8/26/2014	MDK	I
2-Methyl naphthalene	< 20.4	ug/kg	20.4	64.9	1	M8270D	8/21/2014	8/26/2014	MDK	I
Naphthalene	< 21.1	ug/kg	21.1	67.1	1	M8270D	8/21/2014	8/26/2014	MDK	I
Phenanthrene	< 24.7	ug/kg	24.7	78.5	1	M8270D	8/21/2014	8/26/2014	MDK	I
Pyrene	< 20	ug/kg	20	63.7	1	M8270D	8/21/2014	8/26/2014	MDK	I
PVOC										
Benzene	< 25	ug/kg	7.9	25	1	GRO95/8021		8/20/2014	CJR	I
Ethylbenzene	< 25	ug/kg	7.7	25	1	GRO95/8021		8/20/2014	CJR	I
Methyl tert-butyl ether (MTBE)	< 25	ug/kg	8.1	26	1	GRO95/8021		8/20/2014	CJR	I
Toluene	36	ug/kg	8.4	27	1	GRO95/8021		8/20/2014	CJR	I
1,2,4-Trimethylbenzene	< 25	ug/kg	10	33	1	GRO95/8021		8/20/2014	CJR	I
1,3,5-Trimethylbenzene	< 25	ug/kg	9.3	30	1	GRO95/8021		8/20/2014	CJR	I
m&p-Xylene	< 50	ug/kg	16	50	1	GRO95/8021		8/20/2014	CJR	I
o-Xylene	< 25	ug/kg	10	32	1	GRO95/8021		8/20/2014	CJR	I

Project Name GREENFIELD PROPERTY **Invoice #** E27507
Project #

Lab Code 5027507I
Sample ID G-3-3
Sample Matrix Soil
Sample Date 8/11/2014

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	89.9	%			1	5021		8/15/2014	RKM	I
Organic										
PAH SIM										
Acenaphthene	< 21.1	ug/kg	21.1	67	1	M8270D	8/21/2014	8/26/2014	MDK	I
Acenaphthylene	< 19.5	ug/kg	19.5	61.9	1	M8270D	8/21/2014	8/26/2014	MDK	I
Anthracene	< 18.5	ug/kg	18.8	59.7	1	M8270D	8/21/2014	8/26/2014	MDK	I
Benzo(a)anthracene	< 18.4	ug/kg	18.4	58.4	1	M8270D	8/21/2014	8/26/2014	MDK	I
Benzo(a)pyrene	< 19	ug/kg	19	60.5	1	M8270D	8/21/2014	8/26/2014	MDK	I
Benzo(b)fluoranthene	< 18	ug/kg	18	57.3	1	M8270D	8/21/2014	8/26/2014	MDK	I
Benzo(g,h,i)perylene	< 23	ug/kg	23	73.2	1	M8270D	8/21/2014	8/26/2014	MDK	I
Benzo(k)fluoranthene	< 20.6	ug/kg	20.6	65.6	1	M8270D	8/21/2014	8/26/2014	MDK	I
Chrysene	< 18.5	ug/kg	18.5	58.7	1	M8270D	8/21/2014	8/26/2014	MDK	I
Dibenzo(a,h)anthracene	< 22.4	ug/kg	22.4	71.3	1	M8270D	8/21/2014	8/26/2014	MDK	I
Fluoranthene	< 18.1	ug/kg	18.1	57.7	1	M8270D	8/21/2014	8/26/2014	MDK	I
Fluorene	< 20	ug/kg	20	63.6	1	M8270D	8/21/2014	8/26/2014	MDK	I
Indeno(1,2,3-cd)pyrene	< 24.4	ug/kg	24.4	77.5	1	M8270D	8/21/2014	8/26/2014	MDK	I
1-Methyl naphthalene	850	ug/kg	19.5	62.1	1	M8270D	8/21/2014	8/26/2014	MDK	I
2-Methyl naphthalene	1550	ug/kg	20.4	64.9	1	M8270D	8/21/2014	8/26/2014	MDK	I
Naphthalene	1080	ug/kg	21.1	67.1	1	M8270D	8/21/2014	8/26/2014	MDK	I
Phenanthrene	< 24.7	ug/kg	24.7	78.5	1	M8270D	8/21/2014	8/26/2014	MDK	I
Pyrene	< 20	ug/kg	20	63.7	1	M8270D	8/21/2014	8/26/2014	MDK	I
PVOC										
Benzene	164	ug/kg	7.9	25	1	GRO95/8021		8/19/2014	CJR	I
Ethylbenzene	1340	ug/kg	7.7	25	1	GRO95/8021		8/19/2014	CJR	I
Methyl tert-butyl ether (MTBE)	< 25	ug/kg	8.1	26	1	GRO95/8021		8/19/2014	CJR	I
Toluene	86	ug/kg	8.4	27	1	GRO95/8021		8/19/2014	CJR	I
1,2,4-Trimethylbenzene	5000	ug/kg	10	33	1	GRO95/8021		8/19/2014	CJR	I
1,3,5-Trimethylbenzene	1880	ug/kg	9.3	30	1	GRO95/8021		8/19/2014	CJR	I
m&p-Xylene	1500	ug/kg	16	50	1	GRO95/8021		8/19/2014	CJR	I
o-Xylene	44	ug/kg	10	32	1	GRO95/8021		8/19/2014	CJR	I

Project Name GREENFIELD PROPERTY **Invoice #** E27507
Project #

Lab Code 5027507J
Sample ID G-4-1
Sample Matrix Soil
Sample Date 8/11/2014

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	88.6	%			1	5021		8/15/2014	RKM	1
Inorganic										
Metals										
Lead, Total	4.0	mg/kg	0.19	0.5	1	6010B		8/22/2014	ESC	1
Organic										
PAH SIM										
Acenaphthene	< 21.1	ug/kg	21.1	67	1	M8270D	8/21/2014	8/26/2014	MDK	1
Acenaphthylene	< 19.5	ug/kg	19.5	61.9	1	M8270D	8/21/2014	8/26/2014	MDK	1
Anthracene	< 18.5	ug/kg	18.8	59.7	1	M8270D	8/21/2014	8/26/2014	MDK	1
Benzo(a)anthracene	< 18.4	ug/kg	18.4	58.4	1	M8270D	8/21/2014	8/26/2014	MDK	1
Benzo(a)pyrene	< 19	ug/kg	19	60.5	1	M8270D	8/21/2014	8/26/2014	MDK	1
Benzo(b)fluoranthene	< 18	ug/kg	18	57.3	1	M8270D	8/21/2014	8/26/2014	MDK	1
Benzo(g,h,i)perylene	< 23	ug/kg	23	73.2	1	M8270D	8/21/2014	8/26/2014	MDK	1
Benzo(k)fluoranthene	< 20.6	ug/kg	20.6	65.6	1	M8270D	8/21/2014	8/26/2014	MDK	1
Chrysene	< 18.5	ug/kg	18.5	58.7	1	M8270D	8/21/2014	8/26/2014	MDK	1
Dibenzo(a,h)anthracene	< 22.4	ug/kg	22.4	71.3	1	M8270D	8/21/2014	8/26/2014	MDK	1
Fluoranthene	< 18.1	ug/kg	18.1	57.7	1	M8270D	8/21/2014	8/26/2014	MDK	1
Fluorene	< 20	ug/kg	20	63.6	1	M8270D	8/21/2014	8/26/2014	MDK	1
Indeno(1,2,3-cd)pyrene	< 24.4	ug/kg	24.4	77.5	1	M8270D	8/21/2014	8/26/2014	MDK	1
1-Methyl naphthalene	< 19.5	ug/kg	19.5	62.1	1	M8270D	8/21/2014	8/26/2014	MDK	1
2-Methyl naphthalene	< 20.4	ug/kg	20.4	64.9	1	M8270D	8/21/2014	8/26/2014	MDK	1
Naphthalene	< 21.1	ug/kg	21.1	67.1	1	M8270D	8/21/2014	8/26/2014	MDK	1
Phenanthrene	< 24.7	ug/kg	24.7	78.5	1	M8270D	8/21/2014	8/26/2014	MDK	1
Pyrene	< 20	ug/kg	20	63.7	1	M8270D	8/21/2014	8/26/2014	MDK	1
PVOC										
Benzene	< 25	ug/kg	7.9	25	1	GRO95/8021		8/20/2014	CJR	1
Ethylbenzene	< 25	ug/kg	7.7	25	1	GRO95/8021		8/20/2014	CJR	1
Methyl tert-butyl ether (MTBE)	< 25	ug/kg	8.1	26	1	GRO95/8021		8/20/2014	CJR	1
Toluene	< 25	ug/kg	8.4	27	1	GRO95/8021		8/20/2014	CJR	1
1,2,4-Trimethylbenzene	< 25	ug/kg	10	33	1	GRO95/8021		8/20/2014	CJR	1
1,3,5-Trimethylbenzene	< 25	ug/kg	9.3	30	1	GRO95/8021		8/20/2014	CJR	1
m&p-Xylene	< 50	ug/kg	16	50	1	GRO95/8021		8/20/2014	CJR	1
o-Xylene	< 25	ug/kg	10	32	1	GRO95/8021		8/20/2014	CJR	1

Project Name GREENFIELD PROPERTY **Invoice #** E27507
Project #

Lab Code 5027507K
Sample ID G-4-3
Sample Matrix Soil
Sample Date 8/11/2014

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	91.0	%			1	5021		8/15/2014	RKM	1
Organic										
PVOC + Naphthalene										
Benzene	32	ug/kg	7.9	25	1	GRO95/8021		8/19/2014	CJR	1
Ethylbenzene	< 25	ug/kg	7.7	25	1	GRO95/8021		8/19/2014	CJR	1
Methyl tert-butyl ether (MTBE)	< 25	ug/kg	8.1	26	1	GRO95/8021		8/19/2014	CJR	1
Naphthalene	< 25	ug/kg	22	70	1	GRO95/8021		8/19/2014	CJR	2
Toluene	< 25	ug/kg	8.4	27	1	GRO95/8021		8/19/2014	CJR	1
1,2,4-Trimethylbenzene	< 25	ug/kg	10	33	1	GRO95/8021		8/19/2014	CJR	1
1,3,5-Trimethylbenzene	36	ug/kg	9.3	30	1	GRO95/8021		8/19/2014	CJR	1
m&p-Xylene	< 50	ug/kg	16	50	1	GRO95/8021		8/19/2014	CJR	1
o-Xylene	< 25	ug/kg	10	32	1	GRO95/8021		8/19/2014	CJR	1

Project Name GREENFIELD PROPERTY **Invoice #** E27507
Project #

Lab Code 5027507L
Sample ID G-5-1
Sample Matrix Soil
Sample Date 8/11/2014

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	89.4	%			1	5021		8/15/2014	RKM	1
Inorganic										
Metals										
Lead, Total	9.3	mg/kg	0.19	0.5	1	6010B		8/22/2014	ESC	1
Organic										
PAH SIM										
Acenaphthene	< 21.1	ug/kg	21.1	67	1	M8270D	8/21/2014	8/26/2014	MDK	1
Acenaphthylene	< 19.5	ug/kg	19.5	61.9	1	M8270D	8/21/2014	8/26/2014	MDK	1
Anthracene	< 18.5	ug/kg	18.8	59.7	1	M8270D	8/21/2014	8/26/2014	MDK	1
Benzo(a)anthracene	< 18.4	ug/kg	18.4	58.4	1	M8270D	8/21/2014	8/26/2014	MDK	1
Benzo(a)pyrene	< 19	ug/kg	19	60.5	1	M8270D	8/21/2014	8/26/2014	MDK	1
Benzo(b)fluoranthene	< 18	ug/kg	18	57.3	1	M8270D	8/21/2014	8/26/2014	MDK	1
Benzo(g,h,i)perylene	< 23	ug/kg	23	73.2	1	M8270D	8/21/2014	8/26/2014	MDK	1
Benzo(k)fluoranthene	< 20.6	ug/kg	20.6	65.6	1	M8270D	8/21/2014	8/26/2014	MDK	1
Chrysene	< 18.5	ug/kg	18.5	58.7	1	M8270D	8/21/2014	8/26/2014	MDK	1
Dibenzo(a,h)anthracene	< 22.4	ug/kg	22.4	71.3	1	M8270D	8/21/2014	8/26/2014	MDK	1
Fluoranthene	< 18.1	ug/kg	18.1	57.7	1	M8270D	8/21/2014	8/26/2014	MDK	1
Fluorene	< 20	ug/kg	20	63.6	1	M8270D	8/21/2014	8/26/2014	MDK	1
Indeno(1,2,3-cd)pyrene	< 24.4	ug/kg	24.4	77.5	1	M8270D	8/21/2014	8/26/2014	MDK	1
1-Methyl naphthalene	< 19.5	ug/kg	19.5	62.1	1	M8270D	8/21/2014	8/26/2014	MDK	1
2-Methyl naphthalene	< 20.4	ug/kg	20.4	64.9	1	M8270D	8/21/2014	8/26/2014	MDK	1
Naphthalene	< 21.1	ug/kg	21.1	67.1	1	M8270D	8/21/2014	8/26/2014	MDK	1
Phenanthrene	< 24.7	ug/kg	24.7	78.5	1	M8270D	8/21/2014	8/26/2014	MDK	1
Pyrene	< 20	ug/kg	20	63.7	1	M8270D	8/21/2014	8/26/2014	MDK	1
PVOC										
Benzene	< 25	ug/kg	7.9	25	1	GRO95/8021		8/19/2014	CJR	1
Ethylbenzene	< 25	ug/kg	7.7	25	1	GRO95/8021		8/19/2014	CJR	1
Methyl tert-butyl ether (MTBE)	< 25	ug/kg	8.1	26	1	GRO95/8021		8/19/2014	CJR	1
Toluene	< 25	ug/kg	8.4	27	1	GRO95/8021		8/19/2014	CJR	1
1,2,4-Trimethylbenzene	< 25	ug/kg	10	33	1	GRO95/8021		8/19/2014	CJR	1
1,3,5-Trimethylbenzene	< 25	ug/kg	9.3	30	1	GRO95/8021		8/19/2014	CJR	1
m&p-Xylene	< 50	ug/kg	16	50	1	GRO95/8021		8/19/2014	CJR	1
o-Xylene	< 25	ug/kg	10	32	1	GRO95/8021		8/19/2014	CJR	1

Project Name GREENFIELD PROPERTY **Invoice #** E27507
Project #

Lab Code 5027507M
Sample ID G-5-3
Sample Matrix Soil
Sample Date 8/11/2014

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	96.7	%			1	5021		8/15/2014	RKM	1
Organic										
PVOC + Naphthalene										
Benzene	290	ug/kg	79	250	10	GRO95/8021		8/21/2014	CJR	1
Ethylbenzene	6500	ug/kg	77	250	10	GRO95/8021		8/21/2014	CJR	1
Methyl tert-butyl ether (MTBE)	< 250	ug/kg	81	260	10	GRO95/8021		8/21/2014	CJR	1
Naphthalene	8200	ug/kg	220	700	10	GRO95/8021		8/21/2014	CJR	1
Toluene	1360	ug/kg	84	270	10	GRO95/8021		8/21/2014	CJR	1
1,2,4-Trimethylbenzene	49000	ug/kg	100	330	10	GRO95/8021		8/21/2014	CJR	1
1,3,5-Trimethylbenzene	15400	ug/kg	93	300	10	GRO95/8021		8/21/2014	CJR	1
m&p-Xylene	35000	ug/kg	160	500	10	GRO95/8021		8/21/2014	CJR	1
o-Xylene	1830	ug/kg	100	320	10	GRO95/8021		8/21/2014	CJR	1

Lab Code 5027507N
Sample ID G-6-3
Sample Matrix Soil
Sample Date 8/11/2014

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	91.1	%			1	5021		8/15/2014	RKM	1
Organic										
PVOC + Naphthalene										
Benzene	650	ug/kg	7.9	25	1	GRO95/8021		8/20/2014	CJR	1
Ethylbenzene	1320	ug/kg	7.7	25	1	GRO95/8021		8/20/2014	CJR	1
Methyl tert-butyl ether (MTBE)	< 25	ug/kg	8.1	26	1	GRO95/8021		8/20/2014	CJR	1
Naphthalene	1190	ug/kg	22	70	1	GRO95/8021		8/20/2014	CJR	1
Toluene	580	ug/kg	8.4	27	1	GRO95/8021		8/20/2014	CJR	1
1,2,4-Trimethylbenzene	850	ug/kg	10	33	1	GRO95/8021		8/20/2014	CJR	1
1,3,5-Trimethylbenzene	3200	ug/kg	9.3	30	1	GRO95/8021		8/20/2014	CJR	1
m&p-Xylene	1730	ug/kg	16	50	1	GRO95/8021		8/20/2014	CJR	1
o-Xylene	400	ug/kg	10	32	1	GRO95/8021		8/20/2014	CJR	1

Project Name GREENFIELD PROPERTY **Invoice #** E27507
Project #

Lab Code 5027507O
Sample ID G-7-1
Sample Matrix Soil
Sample Date 8/11/2014

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	89.5	%			1	5021		8/15/2014	RKM	1
Inorganic										
Metals										
Lead, Total	3.8	mg/kg	0.19	0.5	1	6010B		8/22/2014	ESC	1
Organic										
PAH SIM										
Acenaphthene	< 21.1	ug/kg	21.1	67	1	M8270D	8/21/2014	8/26/2014	MDK	1
Acenaphthylene	< 19.5	ug/kg	19.5	61.9	1	M8270D	8/21/2014	8/26/2014	MDK	1
Anthracene	< 18.5	ug/kg	18.8	59.7	1	M8270D	8/21/2014	8/26/2014	MDK	1
Benzo(a)anthracene	< 18.4	ug/kg	18.4	58.4	1	M8270D	8/21/2014	8/26/2014	MDK	1
Benzo(a)pyrene	< 19	ug/kg	19	60.5	1	M8270D	8/21/2014	8/26/2014	MDK	1
Benzo(b)fluoranthene	< 18	ug/kg	18	57.3	1	M8270D	8/21/2014	8/26/2014	MDK	1
Benzo(g,h,i)perylene	< 23	ug/kg	23	73.2	1	M8270D	8/21/2014	8/26/2014	MDK	1
Benzo(k)fluoranthene	< 20.6	ug/kg	20.6	65.6	1	M8270D	8/21/2014	8/26/2014	MDK	1
Chrysene	< 18.5	ug/kg	18.5	58.7	1	M8270D	8/21/2014	8/26/2014	MDK	1
Dibenzo(a,h)anthracene	< 22.4	ug/kg	22.4	71.3	1	M8270D	8/21/2014	8/26/2014	MDK	1
Fluoranthene	< 18.1	ug/kg	18.1	57.7	1	M8270D	8/21/2014	8/26/2014	MDK	1
Fluorene	< 20	ug/kg	20	63.6	1	M8270D	8/21/2014	8/26/2014	MDK	1
Indeno(1,2,3-cd)pyrene	< 24.4	ug/kg	24.4	77.5	1	M8270D	8/21/2014	8/26/2014	MDK	1
1-Methyl naphthalene	< 19.5	ug/kg	19.5	62.1	1	M8270D	8/21/2014	8/26/2014	MDK	1
2-Methyl naphthalene	< 20.4	ug/kg	20.4	64.9	1	M8270D	8/21/2014	8/26/2014	MDK	1
Naphthalene	< 21.1	ug/kg	21.1	67.1	1	M8270D	8/21/2014	8/26/2014	MDK	1
Phenanthrene	< 24.7	ug/kg	24.7	78.5	1	M8270D	8/21/2014	8/26/2014	MDK	1
Pyrene	< 20	ug/kg	20	63.7	1	M8270D	8/21/2014	8/26/2014	MDK	1
PVOC										
Benzene	< 25	ug/kg	7.9	25	1	GRO95/8021		8/20/2014	CJR	1
Ethylbenzene	< 25	ug/kg	7.7	25	1	GRO95/8021		8/20/2014	CJR	1
Methyl tert-butyl ether (MTBE)	< 25	ug/kg	8.1	26	1	GRO95/8021		8/20/2014	CJR	1
Toluene	< 25	ug/kg	8.4	27	1	GRO95/8021		8/20/2014	CJR	1
1,2,4-Trimethylbenzene	< 25	ug/kg	10	33	1	GRO95/8021		8/20/2014	CJR	1
1,3,5-Trimethylbenzene	< 25	ug/kg	9.3	30	1	GRO95/8021		8/20/2014	CJR	1
m&p-Xylene	< 50	ug/kg	16	50	1	GRO95/8021		8/20/2014	CJR	1
o-Xylene	< 25	ug/kg	10	32	1	GRO95/8021		8/20/2014	CJR	1

Project Name GREENFIELD PROPERTY **Invoice #** E27507
Project #

Lab Code 5027507P
Sample ID G-7-2
Sample Matrix Soil
Sample Date 8/11/2014

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	95.3	%			1	5021		8/15/2014	RKM	1
Organic										
PVOC + Naphthalene										
Benzene	< 25	ug/kg	7.9	25	1	GRO95/8021		8/20/2014	CJR	1
Ethylbenzene	< 25	ug/kg	7.7	25	1	GRO95/8021		8/20/2014	CJR	1
Methyl tert-butyl ether (MTBE)	< 25	ug/kg	8.1	26	1	GRO95/8021		8/20/2014	CJR	1
Naphthalene	< 25	ug/kg	22	70	1	GRO95/8021		8/20/2014	CJR	1
Toluene	< 25	ug/kg	8.4	27	1	GRO95/8021		8/20/2014	CJR	1
1,2,4-Trimethylbenzene	< 25	ug/kg	10	33	1	GRO95/8021		8/20/2014	CJR	1
1,3,5-Trimethylbenzene	< 25	ug/kg	9.3	30	1	GRO95/8021		8/20/2014	CJR	1
m&p-Xylene	< 50	ug/kg	16	50	1	GRO95/8021		8/20/2014	CJR	1
o-Xylene	< 25	ug/kg	10	32	1	GRO95/8021		8/20/2014	CJR	1

Lab Code 5027507Q
Sample ID G-8-3
Sample Matrix Soil
Sample Date 8/11/2014

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	87.2	%			1	5021		8/15/2014	RKM	1
Organic										
PVOC + Naphthalene										
Benzene	< 25	ug/kg	7.9	25	1	GRO95/8021		8/20/2014	CJR	1
Ethylbenzene	< 25	ug/kg	7.7	25	1	GRO95/8021		8/20/2014	CJR	1
Methyl tert-butyl ether (MTBE)	< 25	ug/kg	8.1	26	1	GRO95/8021		8/20/2014	CJR	1
Naphthalene	< 25	ug/kg	22	70	1	GRO95/8021		8/20/2014	CJR	1
Toluene	< 25	ug/kg	8.4	27	1	GRO95/8021		8/20/2014	CJR	1
1,2,4-Trimethylbenzene	< 25	ug/kg	10	33	1	GRO95/8021		8/20/2014	CJR	1
1,3,5-Trimethylbenzene	< 25	ug/kg	9.3	30	1	GRO95/8021		8/20/2014	CJR	1
m&p-Xylene	< 50	ug/kg	16	50	1	GRO95/8021		8/20/2014	CJR	1
o-Xylene	< 25	ug/kg	10	32	1	GRO95/8021		8/20/2014	CJR	1

Project Name GREENFIELD PROPERTY **Invoice #** E27507
Project #

Lab Code 5027507R
Sample ID G-9-3
Sample Matrix Soil
Sample Date 8/11/2014

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	89.8	%			1	5021		8/15/2014	RKM	1
Organic										
PVOC + Naphthalene										
Benzene	< 25	ug/kg	7.9	25	1	GRO95/8021		8/20/2014	CJR	1
Ethylbenzene	< 25	ug/kg	7.7	25	1	GRO95/8021		8/20/2014	CJR	1
Methyl tert-butyl ether (MTBE)	< 25	ug/kg	8.1	26	1	GRO95/8021		8/20/2014	CJR	1
Naphthalene	< 25	ug/kg	22	70	1	GRO95/8021		8/20/2014	CJR	1
Toluene	< 25	ug/kg	8.4	27	1	GRO95/8021		8/20/2014	CJR	1
1,2,4-Trimethylbenzene	< 25	ug/kg	10	33	1	GRO95/8021		8/20/2014	CJR	1
1,3,5-Trimethylbenzene	< 25	ug/kg	9.3	30	1	GRO95/8021		8/20/2014	CJR	1
m&p-Xylene	< 50	ug/kg	16	50	1	GRO95/8021		8/20/2014	CJR	1
o-Xylene	< 25	ug/kg	10	32	1	GRO95/8021		8/20/2014	CJR	1

Lab Code 5027507S
Sample ID G-10-3
Sample Matrix Soil
Sample Date 8/11/2014

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	91.3	%			1	5021		8/15/2014	RKM	1
Organic										
PVOC + Naphthalene										
Benzene	< 25	ug/kg	7.9	25	1	GRO95/8021		8/20/2014	CJR	1
Ethylbenzene	< 25	ug/kg	7.7	25	1	GRO95/8021		8/20/2014	CJR	1
Methyl tert-butyl ether (MTBE)	< 25	ug/kg	8.1	26	1	GRO95/8021		8/20/2014	CJR	1
Naphthalene	< 25	ug/kg	22	70	1	GRO95/8021		8/20/2014	CJR	1
Toluene	< 25	ug/kg	8.4	27	1	GRO95/8021		8/20/2014	CJR	1
1,2,4-Trimethylbenzene	< 25	ug/kg	10	33	1	GRO95/8021		8/20/2014	CJR	1
1,3,5-Trimethylbenzene	< 25	ug/kg	9.3	30	1	GRO95/8021		8/20/2014	CJR	1
m&p-Xylene	< 50	ug/kg	16	50	1	GRO95/8021		8/20/2014	CJR	1
o-Xylene	< 25	ug/kg	10	32	1	GRO95/8021		8/20/2014	CJR	1

Project Name GREENFIELD PROPERTY **Invoice #** E27507
Project #

Lab Code 5027507T
Sample ID G-11-2
Sample Matrix Soil
Sample Date 8/11/2014

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	91.0	%			1	5021		8/15/2014	RKM	1
Organic										
PVOC + Naphthalene										
Benzene	< 25	ug/kg	7.9	25	1	GRO95/8021		8/20/2014	CJR	1
Ethylbenzene	< 25	ug/kg	7.7	25	1	GRO95/8021		8/20/2014	CJR	1
Methyl tert-butyl ether (MTBE)	< 25	ug/kg	8.1	26	1	GRO95/8021		8/20/2014	CJR	1
Naphthalene	< 25	ug/kg	22	70	1	GRO95/8021		8/20/2014	CJR	1
Toluene	< 25	ug/kg	8.4	27	1	GRO95/8021		8/20/2014	CJR	1
1,2,4-Trimethylbenzene	< 25	ug/kg	10	33	1	GRO95/8021		8/20/2014	CJR	1
1,3,5-Trimethylbenzene	< 25	ug/kg	9.3	30	1	GRO95/8021		8/20/2014	CJR	1
m&p-Xylene	< 50	ug/kg	16	50	1	GRO95/8021		8/20/2014	CJR	1
o-Xylene	< 25	ug/kg	10	32	1	GRO95/8021		8/20/2014	CJR	1

Lab Code 5027507U
Sample ID G-12-3
Sample Matrix Soil
Sample Date 8/11/2014

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	90.5	%			1	5021		8/15/2014	RKM	1
Organic										
PVOC + Naphthalene										
Benzene	< 25	ug/kg	7.9	25	1	GRO95/8021		8/20/2014	CJR	1
Ethylbenzene	1670	ug/kg	7.7	25	1	GRO95/8021		8/20/2014	CJR	1
Methyl tert-butyl ether (MTBE)	< 25	ug/kg	8.1	26	1	GRO95/8021		8/20/2014	CJR	1
Naphthalene	1320	ug/kg	22	70	1	GRO95/8021		8/20/2014	CJR	1
Toluene	2050	ug/kg	8.4	27	1	GRO95/8021		8/20/2014	CJR	1
1,2,4-Trimethylbenzene	4200	ug/kg	10	33	1	GRO95/8021		8/20/2014	CJR	1
1,3,5-Trimethylbenzene	1230	ug/kg	9.3	30	1	GRO95/8021		8/20/2014	CJR	1
m&p-Xylene	7100	ug/kg	16	50	1	GRO95/8021		8/20/2014	CJR	1
o-Xylene	420	ug/kg	10	32	1	GRO95/8021		8/20/2014	CJR	1

Project Name GREENFIELD PROPERTY **Invoice #** E27507
Project #

Lab Code 5027507V
Sample ID G-13-3
Sample Matrix Soil
Sample Date 8/11/2014

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	92.5	%			1	5021		8/15/2014	RKM	1
Organic										
PVOC + Naphthalene										
Benzene	< 25	ug/kg	7.9	25	1	GRO95/8021		8/21/2014	CJR	1
Ethylbenzene	< 25	ug/kg	7.7	25	1	GRO95/8021		8/21/2014	CJR	1
Methyl tert-butyl ether (MTBE)	< 25	ug/kg	8.1	26	1	GRO95/8021		8/21/2014	CJR	1
Naphthalene	< 25	ug/kg	22	70	1	GRO95/8021		8/21/2014	CJR	2
Toluene	< 25	ug/kg	8.4	27	1	GRO95/8021		8/21/2014	CJR	1
1,2,4-Trimethylbenzene	< 25	ug/kg	10	33	1	GRO95/8021		8/21/2014	CJR	1
1,3,5-Trimethylbenzene	< 25	ug/kg	9.3	30	1	GRO95/8021		8/21/2014	CJR	1
m&p-Xylene	< 50	ug/kg	16	50	1	GRO95/8021		8/21/2014	CJR	1
o-Xylene	< 25	ug/kg	10	32	1	GRO95/8021		8/21/2014	CJR	1

Lab Code 5027507W
Sample ID G-14-3
Sample Matrix Soil
Sample Date 8/11/2014

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	93.8	%			1	5021		8/15/2014	RKM	1
Organic										
PVOC + Naphthalene										
Benzene	< 25	ug/kg	7.9	25	1	GRO95/8021		8/20/2014	CJR	1
Ethylbenzene	< 25	ug/kg	7.7	25	1	GRO95/8021		8/20/2014	CJR	1
Methyl tert-butyl ether (MTBE)	< 25	ug/kg	8.1	26	1	GRO95/8021		8/20/2014	CJR	1
Naphthalene	< 25	ug/kg	22	70	1	GRO95/8021		8/20/2014	CJR	1
Toluene	< 25	ug/kg	8.4	27	1	GRO95/8021		8/20/2014	CJR	1
1,2,4-Trimethylbenzene	< 25	ug/kg	10	33	1	GRO95/8021		8/20/2014	CJR	1
1,3,5-Trimethylbenzene	< 25	ug/kg	9.3	30	1	GRO95/8021		8/20/2014	CJR	1
m&p-Xylene	< 50	ug/kg	16	50	1	GRO95/8021		8/20/2014	CJR	1
o-Xylene	< 25	ug/kg	10	32	1	GRO95/8021		8/20/2014	CJR	1

Project Name GREENFIELD PROPERTY **Invoice #** E27507
Project #

Lab Code 5027507X
Sample ID G-15-2
Sample Matrix Soil
Sample Date 8/11/2014

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	94.6	%			1	5021		8/15/2014	RKM	I
Organic										
PVOC + Naphthalene										
Benzene	< 25	ug/kg	7.9	25	1	GRO95/8021		8/20/2014	CJR	I
Ethylbenzene	< 25	ug/kg	7.7	25	1	GRO95/8021		8/20/2014	CJR	I
Methyl tert-butyl ether (MTBE)	< 25	ug/kg	8.1	26	1	GRO95/8021		8/20/2014	CJR	I
Naphthalene	< 25	ug/kg	22	70	1	GRO95/8021		8/20/2014	CJR	I
Toluene	< 25	ug/kg	8.4	27	1	GRO95/8021		8/20/2014	CJR	I
1,2,4-Trimethylbenzene	< 25	ug/kg	10	33	1	GRO95/8021		8/20/2014	CJR	I
1,3,5-Trimethylbenzene	< 25	ug/kg	9.3	30	1	GRO95/8021		8/20/2014	CJR	I
m&p-Xylene	< 50	ug/kg	16	50	1	GRO95/8021		8/20/2014	CJR	I
o-Xylene	< 25	ug/kg	10	32	1	GRO95/8021		8/20/2014	CJR	I

Project Name GREENFIELD PROPERTY **Invoice #** E27507
Project #

Lab Code 5027507Y
Sample ID TRIP BLANK
Sample Matrix Drinking Water
Sample Date 8/11/2014

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
VOC's										
Benzene	< 0.24	ug/l	0.24	0.77	1	524.2		8/25/2014	CJR	1
Bromobenzene	< 0.33	ug/l	0.33	1	1	524.2		8/25/2014	CJR	1
Bromodichloromethane	< 0.27	ug/l	0.27	0.85	1	524.2		8/25/2014	CJR	1
Bromoform	< 0.34	ug/l	0.34	1.1	1	524.2		8/25/2014	CJR	1
Bromomethane	< 0.98	ug/l	0.98	3.1	1	524.2		8/25/2014	CJR	1
Carbon Tetrachloride	< 0.25	ug/l	0.25	0.81	1	524.2		8/25/2014	CJR	1
Chlorobenzene	< 0.24	ug/l	0.24	0.77	1	524.2		8/25/2014	CJR	1
Chloroethane	< 0.62	ug/l	0.62	2	1	524.2		8/25/2014	CJR	1
Chloroform	< 0.28	ug/l	0.28	0.88	1	524.2		8/25/2014	CJR	1
Chloromethane	< 0.81	ug/l	0.81	2.6	1	524.2		8/25/2014	CJR	1
2-Chlorotoluene	< 0.35	ug/l	0.35	1.1	1	524.2		8/25/2014	CJR	1
4-Chlorotoluene	< 0.29	ug/l	0.29	0.91	1	524.2		8/25/2014	CJR	1
Dibromochloromethane	< 0.2	ug/l	0.2	0.64	1	524.2		8/25/2014	CJR	1
Dibromomethane	< 0.41	ug/l	0.41	1.3	1	524.2		8/25/2014	CJR	1
1,4-Dichlorobenzene	< 0.25	ug/l	0.25	0.8	1	524.2		8/25/2014	CJR	1
1,3-Dichlorobenzene	< 0.3	ug/l	0.3	0.96	1	524.2		8/25/2014	CJR	1
1,2-Dichlorobenzene	< 0.28	ug/l	0.28	0.88	1	524.2		8/25/2014	CJR	1
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.85	1	524.2		8/25/2014	CJR	1
1,2-Dichloroethane	< 0.41	ug/l	0.41	1.3	1	524.2		8/25/2014	CJR	1
1,1-Dichloroethane	< 0.3	ug/l	0.3	0.97	1	524.2		8/25/2014	CJR	1
1,1-Dichloroethene	< 0.31	ug/l	0.31	0.99	1	524.2		8/25/2014	CJR	1
cis-1,2-Dichloroethene	< 0.32	ug/l	0.32	1	1	524.2		8/25/2014	CJR	1
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.8	1	524.2		8/25/2014	CJR	1
1,2-Dichloropropane	< 0.32	ug/l	0.32	1	1	524.2		8/25/2014	CJR	1
2,2-Dichloropropane	< 0.45	ug/l	0.45	1.4	1	524.2		8/25/2014	CJR	1
1,3-Dichloropropane	< 0.26	ug/l	0.26	0.82	1	524.2		8/25/2014	CJR	1
trans-1,3-Dichloropropene	< 0.22	ug/l	0.22	0.69	1	524.2		8/25/2014	CJR	1
cis-1,3-Dichloropropene	< 0.2	ug/l	0.2	0.63	1	524.2		8/25/2014	CJR	1
1,1-Dichloropropene	< 0.34	ug/l	0.34	1.1	1	524.2		8/25/2014	CJR	1
Ethylbenzene	< 0.27	ug/l	0.27	0.86	1	524.2		8/25/2014	CJR	1
Hexachlorobutadiene	< 0.48	ug/l	0.48	1.5	1	524.2		8/25/2014	CJR	1
Isopropylbenzene	< 0.3	ug/l	0.3	0.96	1	524.2		8/25/2014	CJR	1
p-Isopropyltoluene	< 0.3	ug/l	0.3	0.94	1	524.2		8/25/2014	CJR	1
Methylene chloride	< 0.35	ug/l	0.35	1.1	1	524.2		8/25/2014	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.26	ug/l	0.26	0.82	1	524.2		8/25/2014	CJR	1
Naphthalene	< 0.49	ug/l	0.49	1.6	1	524.2		8/25/2014	CJR	1
Styrene	< 0.23	ug/l	0.23	0.72	1	524.2		8/25/2014	CJR	1
1,1,2,2-Tetrachloroethane	< 0.45	ug/l	0.45	1.4	1	524.2		8/25/2014	CJR	1
1,1,1,2-Tetrachloroethane	< 0.29	ug/l	0.29	0.91	1	524.2		8/25/2014	CJR	1
Tetrachloroethene	< 0.27	ug/l	0.27	0.85	1	524.2		8/25/2014	CJR	1
Toluene	< 0.24	ug/l	0.24	0.75	1	524.2		8/25/2014	CJR	1
1,2,4-Trichlorobenzene	< 0.24	ug/l	0.24	0.76	1	524.2		8/25/2014	CJR	1
1,1,1-Trichloroethane	< 0.33	ug/l	0.33	1	1	524.2		8/25/2014	CJR	1
1,1,2-Trichloroethane	< 0.34	ug/l	0.34	1.1	1	524.2		8/25/2014	CJR	1
Trichloroethene (TCE)	< 0.3	ug/l	0.3	0.96	1	524.2		8/25/2014	CJR	1
Trichlorofluoromethane	< 0.26	ug/l	0.26	0.84	1	524.2		8/25/2014	CJR	1
1,2,3-Trichloropropane	< 0.91	ug/l	0.91	2.9	1	524.2		8/25/2014	CJR	1
Trichlorotrifluoroethane	< 0.41	ug/l	0.41	1.3	1	524.2		8/25/2014	CJR	1
1,2,4-Trimethylbenzene	< 0.31	ug/l	0.31	0.98	1	524.2		8/25/2014	CJR	1
1,3,5-Trimethylbenzene	< 0.26	ug/l	0.26	0.83	1	524.2		8/25/2014	CJR	1
Vinyl Chloride	< 0.18	ug/l	0.18	0.57	1	524.2		8/25/2014	CJR	1
m&p-Xylene	< 0.69	ug/l	0.69	2.2	1	524.2		8/25/2014	CJR	1
o-Xylene	< 0.25	ug/l	0.25	0.79	1	524.2		8/25/2014	CJR	1

Project Name GREENFIELD PROPERTY **Invoice #** E27507
Project #

Lab Code 5027507Z
Sample ID POTABLE WELL
Sample Matrix Drinking Water
Sample Date 8/11/2014

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
VOC's										
Benzene	< 0.24	ug/l	0.24	0.77	1	524.2		8/25/2014	CJR	1
Bromobenzene	< 0.33	ug/l	0.33	1	1	524.2		8/25/2014	CJR	1
Bromodichloromethane	< 0.27	ug/l	0.27	0.85	1	524.2		8/25/2014	CJR	1
Bromoform	< 0.34	ug/l	0.34	1.1	1	524.2		8/25/2014	CJR	1
Bromomethane	< 0.98	ug/l	0.98	3.1	1	524.2		8/25/2014	CJR	1
Carbon Tetrachloride	< 0.25	ug/l	0.25	0.81	1	524.2		8/25/2014	CJR	1
Chlorobenzene	< 0.24	ug/l	0.24	0.77	1	524.2		8/25/2014	CJR	1
Chloroethane	< 0.62	ug/l	0.62	2	1	524.2		8/25/2014	CJR	1
Chloroform	< 0.28	ug/l	0.28	0.88	1	524.2		8/25/2014	CJR	1
Chloromethane	< 0.81	ug/l	0.81	2.6	1	524.2		8/25/2014	CJR	1
2-Chlorotoluene	< 0.35	ug/l	0.35	1.1	1	524.2		8/25/2014	CJR	1
4-Chlorotoluene	< 0.29	ug/l	0.29	0.91	1	524.2		8/25/2014	CJR	1
Dibromochloromethane	< 0.2	ug/l	0.2	0.64	1	524.2		8/25/2014	CJR	1
Dibromomethane	< 0.41	ug/l	0.41	1.3	1	524.2		8/25/2014	CJR	1
1,4-Dichlorobenzene	< 0.25	ug/l	0.25	0.8	1	524.2		8/25/2014	CJR	1
1,3-Dichlorobenzene	< 0.3	ug/l	0.3	0.96	1	524.2		8/25/2014	CJR	1
1,2-Dichlorobenzene	< 0.28	ug/l	0.28	0.88	1	524.2		8/25/2014	CJR	1
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.85	1	524.2		8/25/2014	CJR	1
1,2-Dichloroethane	< 0.41	ug/l	0.41	1.3	1	524.2		8/25/2014	CJR	1
1,1-Dichloroethane	< 0.3	ug/l	0.3	0.97	1	524.2		8/25/2014	CJR	1
1,1-Dichloroethene	< 0.31	ug/l	0.31	0.99	1	524.2		8/25/2014	CJR	1
cis-1,2-Dichloroethene	< 0.32	ug/l	0.32	1	1	524.2		8/25/2014	CJR	1
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.8	1	524.2		8/25/2014	CJR	1
1,2-Dichloropropane	< 0.32	ug/l	0.32	1	1	524.2		8/25/2014	CJR	1
2,2-Dichloropropane	< 0.45	ug/l	0.45	1.4	1	524.2		8/25/2014	CJR	1
1,3-Dichloropropane	< 0.26	ug/l	0.26	0.82	1	524.2		8/25/2014	CJR	1
trans-1,3-Dichloropropene	< 0.22	ug/l	0.22	0.69	1	524.2		8/25/2014	CJR	1
cis-1,3-Dichloropropene	< 0.2	ug/l	0.2	0.63	1	524.2		8/25/2014	CJR	1
1,1-Dichloropropene	< 0.34	ug/l	0.34	1.1	1	524.2		8/25/2014	CJR	1
Ethylbenzene	< 0.27	ug/l	0.27	0.86	1	524.2		8/25/2014	CJR	1
Hexachlorobutadiene	< 0.48	ug/l	0.48	1.5	1	524.2		8/25/2014	CJR	1
Isopropylbenzene	< 0.3	ug/l	0.3	0.96	1	524.2		8/25/2014	CJR	1
p-Isopropyltoluene	< 0.3	ug/l	0.3	0.94	1	524.2		8/25/2014	CJR	1
Methylene chloride	< 0.35	ug/l	0.35	1.1	1	524.2		8/25/2014	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.26	ug/l	0.26	0.82	1	524.2		8/25/2014	CJR	1
Naphthalene	< 0.49	ug/l	0.49	1.6	1	524.2		8/25/2014	CJR	1
Styrene	< 0.23	ug/l	0.23	0.72	1	524.2		8/25/2014	CJR	1
1,1,2,2-Tetrachloroethane	< 0.45	ug/l	0.45	1.4	1	524.2		8/25/2014	CJR	1
1,1,1,2-Tetrachloroethane	< 0.29	ug/l	0.29	0.91	1	524.2		8/25/2014	CJR	1
Tetrachloroethene	< 0.27	ug/l	0.27	0.85	1	524.2		8/25/2014	CJR	1
Toluene	< 0.24	ug/l	0.24	0.75	1	524.2		8/25/2014	CJR	1
1,2,4-Trichlorobenzene	< 0.24	ug/l	0.24	0.76	1	524.2		8/25/2014	CJR	1
1,1,1-Trichloroethane	< 0.33	ug/l	0.33	1	1	524.2		8/25/2014	CJR	1
1,1,2-Trichloroethane	< 0.34	ug/l	0.34	1.1	1	524.2		8/25/2014	CJR	1
Trichloroethene (TCE)	< 0.3	ug/l	0.3	0.96	1	524.2		8/25/2014	CJR	1
Trichlorofluoromethane	< 0.26	ug/l	0.26	0.84	1	524.2		8/25/2014	CJR	1
1,2,3-Trichloropropane	< 0.91	ug/l	0.91	2.9	1	524.2		8/25/2014	CJR	1
Trichlorotrifluoroethane	< 0.41	ug/l	0.41	1.3	1	524.2		8/25/2014	CJR	1
1,2,4-Trimethylbenzene	< 0.31	ug/l	0.31	0.98	1	524.2		8/25/2014	CJR	1
1,3,5-Trimethylbenzene	< 0.26	ug/l	0.26	0.83	1	524.2		8/25/2014	CJR	1
Vinyl Chloride	< 0.18	ug/l	0.18	0.57	1	524.2		8/25/2014	CJR	1
m&p-Xylene	< 0.69	ug/l	0.69	2.2	1	524.2		8/25/2014	CJR	1
o-Xylene	< 0.25	ug/l	0.25	0.79	1	524.2		8/25/2014	CJR	1

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

Code	*Comment*
1	Laboratory QC within limits.
2	Relative percent difference failed for laboratory spiked samples.
4	The continuing calibration standard not within established limits.
7	The LCS not within established limits.
8	Closing calibration standard not within established limits.

ESC denotes sub contract lab - Certification #998093910

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

Authorized Signature *Michael Ricker*

CHAIN OF CUSTODY RECORD

Synergy

Environmental Lab, Inc.

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

Chain # No 249

Page 1 of 3

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): Green field Property

Reports To: Glendon Greenfield	Invoice To: Glendon Green field
Company	Company c/o METCO
Address N2828 W. Rock River Rd	Address 709 Gillette St, Ste 3
City State Zip Iron Run, WI 53963	City State Zip La Crosse, WI 54603
Phone (920) 346-5152	Phone (608) 781-5879
FAX	FAX 8893

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)	PVOC (EPA 8021)	PVOC + NAPHTHALENE	SULFATE	TOTAL SUSPENDED SOLIDS	VOC DW (EPA 542.2)	VOC (EPA 8260)	8-RCRA METALS								PID/ FID
502-507 H	Meth Blank	8/11/14					1		MEOH								X													
B	G-1-1		9:15		X		4	S	/None			X			X	X														
C	G-1-3		9:20				2										X													
D	G-1-4		9:30				3		/None						X	X														
E	G-2-1		9:40				4		/None			X			X	X														
F	G-2-2		9:45				3		/None			X									X									
G	G-2-3		9:50				3		/None						X	X														
H	G-3-1		10:05				4		/None			X			X	X														
I	G-3-3		10:15				3		/None						X	X														
J	G-4-1		10:35				4		/None			X			X	X														

Analysis Requested — 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
V & 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
	9:00 AM	8/14/14			

Received in Laboratory By: _____ Time: _____ Date: 8/15/14

CHAIN OF (STODY RECORD

Synergy
Environmental Lab, Inc.

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

Chain # № 249

Page 2 of 3

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) [signature]

Project (Name / Location): Greenfield Property

Reports To: See Page 1

Invoice To: →

Company

Address

City State Zip

Phone

FAX

Company

Address

City State Zip

Phone

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)	PVOC (EPA 8021)	PVOC + NAPHTHALENE	SULFATE	TOTAL SUSPENDED SOLIDS	VOC DW (EPA 542.2)	VOC (EPA 8260)	8-RCRA METALS	PID/FID
5027507K	G-4-3	8/11/14	10:35		X		2	S	MEOH								X						
L	G-5-1		10:45				4		/None			X			X	X							
M	G-5-3		10:55				2										X						
N	G-6-3		11:10				2										X						
O	G-7-1		11:25				4		/None			X			X	X							
P	G-7-2		11:30				2										X						
Q	G-8-3		11:55				2										X						
R	G-9-3		12:20				2										X						
S	G-10-3		12:45				2										X						
T	G-11-2		1:10				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: [signature]

Temp. of Temp. Blank ___ °C On Ice X

Cooler seal intact upon receipt: ✓ Yes ___ No

Relinquished By: (sign)	Time	Date	Received By: (sign)	Time	Date
[signature]	9:00AM	8/14/14			

Received in Laboratory By: [signature] Time: [illegible] Date: [illegible]

CHAIN OF CUSTODY RECORD

Synergy

Environmental Lab, Inc.

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

Chain # No 2491

Page 3 of 3

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):	Greenfield Property
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)	PVOC (EPA 8021)	PVOC + NAPHTHALENE	SULFATE	TOTAL SUSPENDED SOLIDS	VOC DW (EPA 542.2)	VOC (EPA 8260)	8-RCRA METALS	PID/ FID
502750 7 U	G-12-3	8/11/14	1:35		X		2	S	MEOH								X						
V	G-13-3	↓	1:50		↓		2	↓	↓								X						
W	G-14-3		2:05				2										X						
X	G-15-2		2:30				2										X						
Y	Trip Blank						1		HCl											X			
Z	Potable well	↓	2:45		X	N	3	DW	HCl											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: Driver
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
	9:00AM	8/14/14			

Received in Laboratory By: [illegible] Time: [illegible] Date: 8/15/14

Synergy Environmental Lab,

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

GLENDON GREENFIELD
GLENDON GREENFIELD
N2828 W. ROCK RIVER ROAD
WAUPUN, WI 53963

Report Date *16-Sep-15*

Project Name GREENFIELD PROPERTY **Invoice #** E29597
Project #

Lab Code 5029597A
Sample ID MEOH BLANK
Sample Matrix Soil
Sample Date 9/1/2015

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
GRO/PVOC + Naphthalene										
Gasoline Range Organics	< 10	mg/kg	1.8	5.8	1	GRO95/8021		9/14/2015	CJR	1
Benzene	< 0.025	mg/kg	0.014	0.046	1	GRO95/8021		9/14/2015	CJR	1
Ethylbenzene	< 0.025	mg/kg	0.014	0.045	1	GRO95/8021		9/14/2015	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.025	mg/kg	0.013	0.041	1	GRO95/8021		9/14/2015	CJR	1
Naphthalene	< 0.025	mg/kg	0.0094	0.03	1	GRO95/8021		9/14/2015	CJR	1
Toluene	< 0.025	mg/kg	0.015	0.048	1	GRO95/8021		9/14/2015	CJR	1
1,2,4-Trimethylbenzene	< 0.025	mg/kg	0.011	0.036	1	GRO95/8021		9/14/2015	CJR	1
1,3,5-Trimethylbenzene	< 0.025	mg/kg	0.012	0.038	1	GRO95/8021		9/14/2015	CJR	1
m&p-Xylene	< 0.05	mg/kg	0.023	0.074	1	GRO95/8021		9/14/2015	CJR	1
o-Xylene	< 0.025	mg/kg	0.024	0.078	1	GRO95/8021		9/14/2015	CJR	1

Project Name GREENFIELD PROPERTY **Invoice #** E29597
Project #

Lab Code 5029597B
Sample ID MW-1-2
Sample Matrix Soil
Sample Date 9/1/2015

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	88.7	%			1	5021		8/3/2015	SLH	1
Inorganic										
Metals										
TCLP Lead	< 0.45	mg/l	0.45		1	6010B		9/6/2015	ESC	1
Organic										
General										
Diesel Range Organics	66.8	mg/kg	1.43	4.54	1	DRO95		9/8/2015	MDK	1
GRO/PVOC + Naphthalene										
Gasoline Range Organics	550	mg/kg	18	58	10	GRO95/8021		9/15/2015	CJR	1
Benzene	0.98	mg/kg	0.14	0.46	10	GRO95/8021		9/15/2015	CJR	1
Ethylbenzene	5.5	mg/kg	0.14	0.45	10	GRO95/8021		9/15/2015	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.25	mg/kg	0.13	0.41	10	GRO95/8021		9/15/2015	CJR	1
Naphthalene	6.5	mg/kg	0.094	0.3	10	GRO95/8021		9/15/2015	CJR	1
Toluene	1.62	mg/kg	0.15	0.48	10	GRO95/8021		9/15/2015	CJR	1
1,2,4-Trimethylbenzene	45	mg/kg	0.11	0.36	10	GRO95/8021		9/15/2015	CJR	1
1,3,5-Trimethylbenzene	14.4	mg/kg	0.12	0.38	10	GRO95/8021		9/15/2015	CJR	1
m&p-Xylene	18.9	mg/kg	0.23	0.74	10	GRO95/8021		9/15/2015	CJR	1
o-Xylene	0.51 "J"	mg/kg	0.24	0.78	10	GRO95/8021		9/15/2015	CJR	1

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

Code	*Comment*
1	Laboratory QC within limits.

ESC denotes sub contract lab - Certification #998093910

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

Authorized Signature *Michael Ricker*

CHAIN OF STODY RECORD

Synergy

Environmental Lab, Inc.

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

Chain # NC 3041

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)

Project (Name / Location): Greenfield Property

Reports To: Glendon Greenfield	Invoice To: Glendon Greenfield
Company: N2828 W Rock River Road	Company: c/o METCO
Address:	Address: 709 Gillette St, ste 3
City State Zip: Waupun, WI 53963	City State Zip: La Crosse, WI 54603
Phone: (920) 346-5152	Phone: (608) 791-8877
FAX:	FAX: 8873

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	TCLP - Lead					PID/ FID
S0295578	Method Blank	9/1					1				X							X											
B	MW-1-2	9/1	2:20		X		5	5	MEOH / H2SO4 / None	X	X							X					X						

Analysis Requested — 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

MEC 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
	8:25am	9/2/15			

Received in Laboratory By: [signature] Time: 8:00 Date: 9/3/15

Synergy Environmental Lab,

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

GLENDON GREENFIELD
GLENDON GREENFIELD
N2828 W. ROCK RIVER ROAD
WAUPUN, WI 53963

Report Date *22-Oct-15*

Project Name GREENFIELD PROPERTY **Invoice #** E29748
Project #

Lab Code 5029748A
Sample ID PW N2828
Sample Matrix Water
Sample Date 9/23/2015

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
VOC's										
Benzene	< 0.44	ug/l	0.44	1.4	1	8260B		10/1/2015	CJR	
Bromobenzene	< 0.48	ug/l	0.48	1.5	1	8260B		10/1/2015	CJR	
Bromodichloromethane	< 0.46	ug/l	0.46	1.5	1	8260B		10/1/2015	CJR	
Bromoform	< 0.46	ug/l	0.46	1.5	1	8260B		10/1/2015	CJR	
tert-Butylbenzene	< 1.1	ug/l	1.1	3.4	1	8260B		10/1/2015	CJR	
sec-Butylbenzene	< 1.2	ug/l	1.2	3.8	1	8260B		10/1/2015	CJR	
n-Butylbenzene	< 1	ug/l	1	3.3	1	8260B		10/1/2015	CJR	
Carbon Tetrachloride	< 0.51	ug/l	0.51	1.6	1	8260B		10/1/2015	CJR	
Chlorobenzene	< 0.46	ug/l	0.46	1.4	1	8260B		10/1/2015	CJR	
Chloroethane	< 0.65	ug/l	0.65	2.1	1	8260B		10/1/2015	CJR	
Chloroform	< 0.43	ug/l	0.43	1.4	1	8260B		10/1/2015	CJR	
Chloromethane	< 1.9	ug/l	1.9	6	1	8260B		10/1/2015	CJR	
2-Chlorotoluene	< 0.4	ug/l	0.4	1.3	1	8260B		10/1/2015	CJR	
4-Chlorotoluene	< 0.63	ug/l	0.63	2	1	8260B		10/1/2015	CJR	
1,2-Dibromo-3-chloropropane	< 1.4	ug/l	1.4	4.5	1	8260B		10/1/2015	CJR	
Dibromochloromethane	< 0.45	ug/l	0.45	1.4	1	8260B		10/1/2015	CJR	
1,4-Dichlorobenzene	< 0.49	ug/l	0.49	1.6	1	8260B		10/1/2015	CJR	
1,3-Dichlorobenzene	< 0.52	ug/l	0.52	1.6	1	8260B		10/1/2015	CJR	
1,2-Dichlorobenzene	< 0.46	ug/l	0.46	1.5	1	8260B		10/1/2015	CJR	
Dichlorodifluoromethane	< 0.87	ug/l	0.87	2.8	1	8260B		10/1/2015	CJR	
1,2-Dichloroethane	< 0.48	ug/l	0.48	1.5	1	8260B		10/1/2015	CJR	
1,1-Dichloroethane	< 1.1	ug/l	1.1	3.6	1	8260B		10/1/2015	CJR	
1,1-Dichloroethene	< 0.65	ug/l	0.65	2.1	1	8260B		10/1/2015	CJR	
cis-1,2-Dichloroethene	< 0.45	ug/l	0.45	1.4	1	8260B		10/1/2015	CJR	
trans-1,2-Dichloroethene	< 0.54	ug/l	0.54	1.7	1	8260B		10/1/2015	CJR	
1,2-Dichloropropane	< 0.43	ug/l	0.43	1.37	1	8260B		10/1/2015	CJR	
2,2-Dichloropropane	< 3.1	ug/l	3.1	9.8	1	8260B		10/1/2015	CJR	
1,3-Dichloropropane	< 0.42	ug/l	0.42	1.3	1	8260B		10/1/2015	CJR	
Di-isopropyl ether	< 0.44	ug/l	0.44	1.4	1	8260B		10/1/2015	CJR	
EDB (1,2-Dibromoethane)	< 0.63	ug/l	0.63	2	1	8260B		10/1/2015	CJR	
Ethylbenzene	< 0.71	ug/l	0.71	2.3	1	8260B		10/1/2015	CJR	
Hexachlorobutadiene	< 2.2	ug/l	2.2	7.1	1	8260B		10/1/2015	CJR	
Isopropylbenzene	< 0.82	ug/l	0.82	2.6	1	8260B		10/1/2015	CJR	

Project Name GREENFIELD PROPERTY **Invoice #** E29748
Project #

Lab Code 5029748A
Sample ID PW N2828
Sample Matrix Water
Sample Date 9/23/2015

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
p-Isopropyltoluene	< 1.1	ug/l	1.1	3.5	1	8260B		10/1/2015	CJR	1
Methylene chloride	< 1.3	ug/l	1.3	4.2	1	8260B		10/1/2015	CJR	1
Methyl tert-butyl ether (MTBE)	< 1.1	ug/l	1.1	3.7	1	8260B		10/1/2015	CJR	1
Naphthalene	< 1.6	ug/l	1.6	5.2	1	8260B		10/1/2015	CJR	1
n-Propylbenzene	< 0.77	ug/l	0.77	2.4	1	8260B		10/1/2015	CJR	1
1,1,2,2-Tetrachloroethane	< 0.52	ug/l	0.52	1.7	1	8260B		10/1/2015	CJR	1
1,1,1,2-Tetrachloroethane	< 0.48	ug/l	0.48	1.5	1	8260B		10/1/2015	CJR	1
Tetrachloroethene	< 0.49	ug/l	0.49	1.5	1	8260B		10/1/2015	CJR	1
Toluene	< 0.44	ug/l	0.44	1.4	1	8260B		10/1/2015	CJR	1
1,2,4-Trichlorobenzene	< 1.7	ug/l	1.7	5.6	1	8260B		10/1/2015	CJR	1
1,2,3-Trichlorobenzene	< 2.7	ug/l	2.7	8.6	1	8260B		10/1/2015	CJR	1
1,1,1-Trichloroethane	< 0.84	ug/l	0.84	2.7	1	8260B		10/1/2015	CJR	1
1,1,2-Trichloroethane	< 0.48	ug/l	0.48	1.52	1	8260B		10/1/2015	CJR	1
Trichloroethene (TCE)	< 0.47	ug/l	0.47	1.5	1	8260B		10/1/2015	CJR	1
Trichlorofluoromethane	< 0.87	ug/l	0.87	2.8	1	8260B		10/1/2015	CJR	1
1,2,4-Trimethylbenzene	< 1.6	ug/l	1.6	5	1	8260B		10/1/2015	CJR	1
1,3,5-Trimethylbenzene	< 1.5	ug/l	1.5	4.8	1	8260B		10/1/2015	CJR	1
Vinyl Chloride	< 0.17	ug/l	0.17	0.54	1	8260B		10/1/2015	CJR	1
m&p-Xylene	< 2.2	ug/l	2.2	6.9	1	8260B		10/1/2015	CJR	1
o-Xylene	< 0.9	ug/l	0.9	2.9	1	8260B		10/1/2015	CJR	1
SUR - 1,2-Dichloroethane-d4	93	REC %			1	8260B		10/1/2015	CJR	1
SUR - 4-Bromofluorobenzene	114	REC %			1	8260B		10/1/2015	CJR	1
SUR - Dibromofluoromethane	105	REC %			1	8260B		10/1/2015	CJR	1
SUR - Toluene-d8	106	REC %			1	8260B		10/1/2015	CJR	1

Project Name GREENFIELD PROPERTY **Invoice #** E29748
Project #

Lab Code 5029748B
Sample ID MW-3
Sample Matrix Water
Sample Date 9/23/2015

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Inorganic										
Metals										
Lead, Dissolved	< 0.7	ug/L	0.7	2.5	1	7421		10/13/2015	CWT	1
Iron, Dissolved	0.03 "J"	mg/l	0.02	0.7	1	200.7		10/1/2015	CWT	1
Manganese, Dissolved	107	ug/L	4.5	14.4	1	200.7		10/1/2015	CWT	1
Organic										
PAH SIM										
Acenaphthene	< 0.02	ug/l	0.02	0.064	1	M8270C	9/29/2015	10/1/2015	MDK	1
Acenaphthylene	< 0.021	ug/l	0.021	0.068	1	M8270C	9/29/2015	10/1/2015	MDK	1
Anthracene	< 0.02	ug/l	0.02	0.064	1	M8270C	9/29/2015	10/1/2015	MDK	1
Benzo(a)anthracene	< 0.019	ug/l	0.019	0.062	1	M8270C	9/29/2015	10/1/2015	MDK	1
Benzo(a)pyrene	< 0.019	ug/l	0.019	0.062	1	M8270C	9/29/2015	10/1/2015	MDK	1
Benzo(b)fluoranthene	< 0.019	ug/l	0.019	0.062	1	M8270C	9/29/2015	10/1/2015	MDK	1
Benzo(g,h,i)perylene	< 0.024	ug/l	0.024	0.078	1	M8270C	9/29/2015	10/1/2015	MDK	1
Benzo(k)fluoranthene	< 0.018	ug/l	0.018	0.057	1	M8270C	9/29/2015	10/1/2015	MDK	1
Chrysene	< 0.017	ug/l	0.017	0.054	1	M8270C	9/29/2015	10/1/2015	MDK	1
Dibenzo(a,h)anthracene	< 0.025	ug/l	0.025	0.081	1	M8270C	9/29/2015	10/1/2015	MDK	1
Fluoranthene	< 0.018	ug/l	0.018	0.057	1	M8270C	9/29/2015	10/1/2015	MDK	1
Fluorene	< 0.017	ug/l	0.017	0.054	1	M8270C	9/29/2015	10/1/2015	MDK	1
Indeno(1,2,3-cd)pyrene	< 0.018	ug/l	0.018	0.057	1	M8270C	9/29/2015	10/1/2015	MDK	1
1-Methyl naphthalene	< 0.018	ug/l	0.018	0.057	1	M8270C	9/29/2015	10/1/2015	MDK	1
2-Methyl naphthalene	0.021 "J"	ug/l	0.017	0.054	1	M8270C	9/29/2015	10/1/2015	MDK	1
Naphthalene	0.031 "J"	ug/l	0.018	0.057	1	M8270C	9/29/2015	10/1/2015	MDK	1
Phenanthrene	< 0.017	ug/l	0.017	0.054	1	M8270C	9/29/2015	10/1/2015	MDK	1
Pyrene	< 0.018	ug/l	0.018	0.057	1	M8270C	9/29/2015	10/1/2015	MDK	1
VOC's										
Benzene	2.33	ug/l	0.44	1.4	1	8260B		10/1/2015	CJR	1
Bromobenzene	< 0.48	ug/l	0.48	1.5	1	8260B		10/1/2015	CJR	1
Bromodichloromethane	< 0.46	ug/l	0.46	1.5	1	8260B		10/1/2015	CJR	1
Bromoform	< 0.46	ug/l	0.46	1.5	1	8260B		10/1/2015	CJR	1
tert-Butylbenzene	< 1.1	ug/l	1.1	3.4	1	8260B		10/1/2015	CJR	1
sec-Butylbenzene	< 1.2	ug/l	1.2	3.8	1	8260B		10/1/2015	CJR	1
n-Butylbenzene	< 1	ug/l	1	3.3	1	8260B		10/1/2015	CJR	1
Carbon Tetrachloride	< 0.51	ug/l	0.51	1.6	1	8260B		10/1/2015	CJR	1
Chlorobenzene	< 0.46	ug/l	0.46	1.4	1	8260B		10/1/2015	CJR	1
Chloroethane	< 0.65	ug/l	0.65	2.1	1	8260B		10/1/2015	CJR	1
Chloroform	< 0.43	ug/l	0.43	1.4	1	8260B		10/1/2015	CJR	1
Chloromethane	< 1.9	ug/l	1.9	6	1	8260B		10/1/2015	CJR	1
2-Chlorotoluene	< 0.4	ug/l	0.4	1.3	1	8260B		10/1/2015	CJR	1
4-Chlorotoluene	< 0.63	ug/l	0.63	2	1	8260B		10/1/2015	CJR	1
1,2-Dibromo-3-chloropropane	< 1.4	ug/l	1.4	4.5	1	8260B		10/1/2015	CJR	1
Dibromochloromethane	< 0.45	ug/l	0.45	1.4	1	8260B		10/1/2015	CJR	1
1,4-Dichlorobenzene	< 0.49	ug/l	0.49	1.6	1	8260B		10/1/2015	CJR	1
1,3-Dichlorobenzene	< 0.52	ug/l	0.52	1.6	1	8260B		10/1/2015	CJR	1
1,2-Dichlorobenzene	< 0.46	ug/l	0.46	1.5	1	8260B		10/1/2015	CJR	1
Dichlorodifluoromethane	< 0.87	ug/l	0.87	2.8	1	8260B		10/1/2015	CJR	1
1,2-Dichloroethane	< 0.48	ug/l	0.48	1.5	1	8260B		10/1/2015	CJR	1
1,1-Dichloroethane	< 1.1	ug/l	1.1	3.6	1	8260B		10/1/2015	CJR	1
1,1-Dichloroethene	< 0.65	ug/l	0.65	2.1	1	8260B		10/1/2015	CJR	1
cis-1,2-Dichloroethene	< 0.45	ug/l	0.45	1.4	1	8260B		10/1/2015	CJR	1
trans-1,2-Dichloroethene	< 0.54	ug/l	0.54	1.7	1	8260B		10/1/2015	CJR	1
1,2-Dichloropropane	< 0.43	ug/l	0.43	1.37	1	8260B		10/1/2015	CJR	1
2,2-Dichloropropane	< 3.1	ug/l	3.1	9.8	1	8260B		10/1/2015	CJR	1
1,3-Dichloropropane	< 0.42	ug/l	0.42	1.3	1	8260B		10/1/2015	CJR	1
Di-isopropyl ether	< 0.44	ug/l	0.44	1.4	1	8260B		10/1/2015	CJR	1
EDB (1,2-Dibromoethane)	< 0.63	ug/l	0.63	2	1	8260B		10/1/2015	CJR	1
Ethylbenzene	0.81 "J"	ug/l	0.71	2.3	1	8260B		10/1/2015	CJR	1
Hexachlorobutadiene	< 2.2	ug/l	2.2	7.1	1	8260B		10/1/2015	CJR	1

Project Name GREENFIELD PROPERTY **Invoice #** E29748
Project #

Lab Code 5029748B
Sample ID MW-3
Sample Matrix Water
Sample Date 9/23/2015

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Isopropylbenzene	< 0.82	ug/l	0.82	2.6	1	8260B		10/1/2015	CJR	1
p-Isopropyltoluene	< 1.1	ug/l	1.1	3.5	1	8260B		10/1/2015	CJR	1
Methylene chloride	< 1.3	ug/l	1.3	4.2	1	8260B		10/1/2015	CJR	1
Methyl tert-butyl ether (MTBE)	< 1.1	ug/l	1.1	3.7	1	8260B		10/1/2015	CJR	1
Naphthalene	< 1.6	ug/l	1.6	5.2	1	8260B		10/1/2015	CJR	1
n-Propylbenzene	< 0.77	ug/l	0.77	2.4	1	8260B		10/1/2015	CJR	1
1,1,2,2-Tetrachloroethane	< 0.52	ug/l	0.52	1.7	1	8260B		10/1/2015	CJR	1
1,1,1,2-Tetrachloroethane	< 0.48	ug/l	0.48	1.5	1	8260B		10/1/2015	CJR	1
Tetrachloroethene	< 0.49	ug/l	0.49	1.5	1	8260B		10/1/2015	CJR	1
Toluene	1.33 "J"	ug/l	0.44	1.4	1	8260B		10/1/2015	CJR	1
1,2,4-Trichlorobenzene	< 1.7	ug/l	1.7	5.6	1	8260B		10/1/2015	CJR	1
1,2,3-Trichlorobenzene	< 2.7	ug/l	2.7	8.6	1	8260B		10/1/2015	CJR	1
1,1,1-Trichloroethane	< 0.84	ug/l	0.84	2.7	1	8260B		10/1/2015	CJR	1
1,1,2-Trichloroethane	< 0.48	ug/l	0.48	1.52	1	8260B		10/1/2015	CJR	1
Trichloroethene (TCE)	< 0.47	ug/l	0.47	1.5	1	8260B		10/1/2015	CJR	1
Trichlorofluoromethane	< 0.87	ug/l	0.87	2.8	1	8260B		10/1/2015	CJR	1
1,2,4-Trimethylbenzene	< 1.6	ug/l	1.6	5	1	8260B		10/1/2015	CJR	1
1,3,5-Trimethylbenzene	< 1.5	ug/l	1.5	4.8	1	8260B		10/1/2015	CJR	1
Vinyl Chloride	< 0.17	ug/l	0.17	0.54	1	8260B		10/1/2015	CJR	1
m&p-Xylene	< 2.2	ug/l	2.2	6.9	1	8260B		10/1/2015	CJR	1
o-Xylene	< 0.9	ug/l	0.9	2.9	1	8260B		10/1/2015	CJR	1
SUR - 1,2-Dichloroethane-d4	100	REC %			1	8260B		10/1/2015	CJR	1
SUR - 4-Bromofluorobenzene	112	REC %			1	8260B		10/1/2015	CJR	1
SUR - Dibromofluoromethane	101	REC %			1	8260B		10/1/2015	CJR	1
SUR - Toluene-d8	108	REC %			1	8260B		10/1/2015	CJR	1
Wet Chemistry										
General										
Nitrite Plus Nitrate, Dissolved	4.55	mg/l	0.13	0.43	1	353.2		9/25/2015	MDK	1
Sulfate, Filtered	40.5	mg/l	0.6	2	2	300.0		10/20/2015	CWT	1

Project Name GREENFIELD PROPERTY **Invoice #** E29748
Project #

Lab Code 5029748C
Sample ID MW-2
Sample Matrix Water
Sample Date 9/23/2015

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Inorganic										
Metals										
Lead, Dissolved	< 0.7	ug/L	0.7	2.5	1	7421		10/13/2015	CWT	1
Iron, Dissolved	0.11 "J"	mg/l	0.02	0.7	1	200.7		10/1/2015	CWT	1
Manganese, Dissolved	181	ug/L	4.5	14.4	1	200.7		10/1/2015	CWT	1
Organic										
PAH SIM										
Acenaphthene	< 0.02	ug/l	0.02	0.064	1	M8270C	9/29/2015	10/1/2015	MDK	1
Acenaphthylene	< 0.021	ug/l	0.021	0.068	1	M8270C	9/29/2015	10/1/2015	MDK	1
Anthracene	< 0.02	ug/l	0.02	0.064	1	M8270C	9/29/2015	10/1/2015	MDK	1
Benzo(a)anthracene	< 0.019	ug/l	0.019	0.062	1	M8270C	9/29/2015	10/1/2015	MDK	1
Benzo(a)pyrene	< 0.019	ug/l	0.019	0.062	1	M8270C	9/29/2015	10/1/2015	MDK	1
Benzo(b)fluoranthene	< 0.019	ug/l	0.019	0.062	1	M8270C	9/29/2015	10/1/2015	MDK	1
Benzo(g,h,i)perylene	< 0.024	ug/l	0.024	0.078	1	M8270C	9/29/2015	10/1/2015	MDK	1
Benzo(k)fluoranthene	< 0.018	ug/l	0.018	0.057	1	M8270C	9/29/2015	10/1/2015	MDK	1
Chrysene	< 0.017	ug/l	0.017	0.054	1	M8270C	9/29/2015	10/1/2015	MDK	1
Dibenzo(a,h)anthracene	< 0.025	ug/l	0.025	0.081	1	M8270C	9/29/2015	10/1/2015	MDK	1
Fluoranthene	< 0.018	ug/l	0.018	0.057	1	M8270C	9/29/2015	10/1/2015	MDK	1
Fluorene	< 0.017	ug/l	0.017	0.054	1	M8270C	9/29/2015	10/1/2015	MDK	1
Indeno(1,2,3-cd)pyrene	< 0.018	ug/l	0.018	0.057	1	M8270C	9/29/2015	10/1/2015	MDK	1
1-Methyl naphthalene	< 0.018	ug/l	0.018	0.057	1	M8270C	9/29/2015	10/1/2015	MDK	1
2-Methyl naphthalene	< 0.017	ug/l	0.017	0.054	1	M8270C	9/29/2015	10/1/2015	MDK	1
Naphthalene	< 0.018	ug/l	0.018	0.057	1	M8270C	9/29/2015	10/1/2015	MDK	1
Phenanthrene	< 0.017	ug/l	0.017	0.054	1	M8270C	9/29/2015	10/1/2015	MDK	1
Pyrene	< 0.018	ug/l	0.018	0.057	1	M8270C	9/29/2015	10/1/2015	MDK	1
VOC's										
Benzene	< 0.44	ug/l	0.44	1.4	1	8260B		10/1/2015	CJR	1
Bromobenzene	< 0.48	ug/l	0.48	1.5	1	8260B		10/1/2015	CJR	1
Bromodichloromethane	< 0.46	ug/l	0.46	1.5	1	8260B		10/1/2015	CJR	1
Bromoform	< 0.46	ug/l	0.46	1.5	1	8260B		10/1/2015	CJR	1
tert-Butylbenzene	< 1.1	ug/l	1.1	3.4	1	8260B		10/1/2015	CJR	1
sec-Butylbenzene	< 1.2	ug/l	1.2	3.8	1	8260B		10/1/2015	CJR	1
n-Butylbenzene	< 1	ug/l	1	3.3	1	8260B		10/1/2015	CJR	1
Carbon Tetrachloride	< 0.51	ug/l	0.51	1.6	1	8260B		10/1/2015	CJR	1
Chlorobenzene	< 0.46	ug/l	0.46	1.4	1	8260B		10/1/2015	CJR	1
Chloroethane	< 0.65	ug/l	0.65	2.1	1	8260B		10/1/2015	CJR	1
Chloroform	< 0.43	ug/l	0.43	1.4	1	8260B		10/1/2015	CJR	1
Chloromethane	< 1.9	ug/l	1.9	6	1	8260B		10/1/2015	CJR	1
2-Chlorotoluene	< 0.4	ug/l	0.4	1.3	1	8260B		10/1/2015	CJR	1
4-Chlorotoluene	< 0.63	ug/l	0.63	2	1	8260B		10/1/2015	CJR	1
1,2-Dibromo-3-chloropropane	< 1.4	ug/l	1.4	4.5	1	8260B		10/1/2015	CJR	1
Dibromochloromethane	< 0.45	ug/l	0.45	1.4	1	8260B		10/1/2015	CJR	1
1,4-Dichlorobenzene	< 0.49	ug/l	0.49	1.6	1	8260B		10/1/2015	CJR	1
1,3-Dichlorobenzene	< 0.52	ug/l	0.52	1.6	1	8260B		10/1/2015	CJR	1
1,2-Dichlorobenzene	< 0.46	ug/l	0.46	1.5	1	8260B		10/1/2015	CJR	1
Dichlorodifluoromethane	< 0.87	ug/l	0.87	2.8	1	8260B		10/1/2015	CJR	1
1,2-Dichloroethane	1.12 "J"	ug/l	0.48	1.5	1	8260B		10/1/2015	CJR	1
1,1-Dichloroethane	< 1.1	ug/l	1.1	3.6	1	8260B		10/1/2015	CJR	1
1,1-Dichloroethene	< 0.65	ug/l	0.65	2.1	1	8260B		10/1/2015	CJR	1
cis-1,2-Dichloroethene	< 0.45	ug/l	0.45	1.4	1	8260B		10/1/2015	CJR	1
trans-1,2-Dichloroethene	< 0.54	ug/l	0.54	1.7	1	8260B		10/1/2015	CJR	1
1,2-Dichloropropane	< 0.43	ug/l	0.43	1.37	1	8260B		10/1/2015	CJR	1
2,2-Dichloropropane	< 3.1	ug/l	3.1	9.8	1	8260B		10/1/2015	CJR	1
1,3-Dichloropropane	< 0.42	ug/l	0.42	1.3	1	8260B		10/1/2015	CJR	1
Di-isopropyl ether	< 0.44	ug/l	0.44	1.4	1	8260B		10/1/2015	CJR	1
EDB (1,2-Dibromoethane)	< 0.63	ug/l	0.63	2	1	8260B		10/1/2015	CJR	1
Ethylbenzene	< 0.71	ug/l	0.71	2.3	1	8260B		10/1/2015	CJR	1
Hexachlorobutadiene	< 2.2	ug/l	2.2	7.1	1	8260B		10/1/2015	CJR	1

Project Name GREENFIELD PROPERTY **Invoice #** E29748
Project #

Lab Code 5029748C
Sample ID MW-2
Sample Matrix Water
Sample Date 9/23/2015

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Isopropylbenzene	< 0.82	ug/l	0.82	2.6	1	8260B		10/1/2015	CJR	1
p-Isopropyltoluene	< 1.1	ug/l	1.1	3.5	1	8260B		10/1/2015	CJR	1
Methylene chloride	< 1.3	ug/l	1.3	4.2	1	8260B		10/1/2015	CJR	1
Methyl tert-butyl ether (MTBE)	< 1.1	ug/l	1.1	3.7	1	8260B		10/1/2015	CJR	1
Naphthalene	< 1.6	ug/l	1.6	5.2	1	8260B		10/1/2015	CJR	1
n-Propylbenzene	< 0.77	ug/l	0.77	2.4	1	8260B		10/1/2015	CJR	1
1,1,2,2-Tetrachloroethane	< 0.52	ug/l	0.52	1.7	1	8260B		10/1/2015	CJR	1
1,1,1,2-Tetrachloroethane	< 0.48	ug/l	0.48	1.5	1	8260B		10/1/2015	CJR	1
Tetrachloroethene	< 0.49	ug/l	0.49	1.5	1	8260B		10/1/2015	CJR	1
Toluene	< 0.44	ug/l	0.44	1.4	1	8260B		10/1/2015	CJR	1
1,2,4-Trichlorobenzene	< 1.7	ug/l	1.7	5.6	1	8260B		10/1/2015	CJR	1
1,2,3-Trichlorobenzene	< 2.7	ug/l	2.7	8.6	1	8260B		10/1/2015	CJR	1
1,1,1-Trichloroethane	< 0.84	ug/l	0.84	2.7	1	8260B		10/1/2015	CJR	1
1,1,2-Trichloroethane	< 0.48	ug/l	0.48	1.52	1	8260B		10/1/2015	CJR	1
Trichloroethene (TCE)	< 0.47	ug/l	0.47	1.5	1	8260B		10/1/2015	CJR	1
Trichlorofluoromethane	< 0.87	ug/l	0.87	2.8	1	8260B		10/1/2015	CJR	1
1,2,4-Trimethylbenzene	< 1.6	ug/l	1.6	5	1	8260B		10/1/2015	CJR	1
1,3,5-Trimethylbenzene	< 1.5	ug/l	1.5	4.8	1	8260B		10/1/2015	CJR	1
Vinyl Chloride	< 0.17	ug/l	0.17	0.54	1	8260B		10/1/2015	CJR	1
m&p-Xylene	< 2.2	ug/l	2.2	6.9	1	8260B		10/1/2015	CJR	1
o-Xylene	< 0.9	ug/l	0.9	2.9	1	8260B		10/1/2015	CJR	1
SUR - Dibromofluoromethane	104	REC %			1	8260B		10/1/2015	CJR	1
SUR - Toluene-d8	107	REC %			1	8260B		10/1/2015	CJR	1
SUR - 1,2-Dichloroethane-d4	98	REC %			1	8260B		10/1/2015	CJR	1
SUR - 4-Bromofluorobenzene	115	REC %			1	8260B		10/1/2015	CJR	1
Wet Chemistry										
General										
Nitrite Plus Nitrate, Dissolved	2.15	mg/l	0.13	0.43	1	353.2		9/25/2015	MDK	1
Sulfate, Filtered	83.7	mg/l	0.6	2	2	300.0		10/20/2015	CWT	1

Project Name GREENFIELD PROPERTY **Invoice #** E29748
Project #

Lab Code 5029748D
Sample ID MW-1
Sample Matrix Water
Sample Date 9/23/2015

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Inorganic										
Metals										
Lead, Dissolved	< 0.7	ug/L	0.7	2.5	1	7421		10/13/2015	CWT	I
Iron, Dissolved	0.62 "J"	mg/l	0.02	0.7	1	200.7		10/1/2015	CWT	I
Manganese, Dissolved	105	ug/L	4.5	14.4	1	200.7		10/1/2015	CWT	I
Organic										
PAH SIM										
Acenaphthene	< 2	ug/l	2	6.4	100	M8270C	9/29/2015	10/3/2015	MDK	I
Acenaphthylene	< 2.1	ug/l	2.1	6.8	100	M8270C	9/29/2015	10/3/2015	MDK	I
Anthracene	< 2	ug/l	2	6.4	100	M8270C	9/29/2015	10/3/2015	MDK	I
Benzo(a)anthracene	< 1.9	ug/l	1.9	6.2	100	M8270C	9/29/2015	10/3/2015	MDK	I
Benzo(a)pyrene	< 1.9	ug/l	1.9	6.2	100	M8270C	9/29/2015	10/3/2015	MDK	I
Benzo(b)fluoranthene	< 1.9	ug/l	1.9	6.2	100	M8270C	9/29/2015	10/3/2015	MDK	I
Benzo(g,h,i)perylene	< 2.4	ug/l	2.4	7.8	100	M8270C	9/29/2015	10/3/2015	MDK	I
Benzo(k)fluoranthene	< 1.8	ug/l	1.8	5.7	100	M8270C	9/29/2015	10/3/2015	MDK	I
Chrysene	< 1.7	ug/l	1.7	5.4	100	M8270C	9/29/2015	10/3/2015	MDK	I
Dibenzo(a,h)anthracene	< 2.5	ug/l	2.5	8.1	100	M8270C	9/29/2015	10/3/2015	MDK	I
Fluoranthene	< 1.8	ug/l	1.8	5.7	100	M8270C	9/29/2015	10/3/2015	MDK	I
Fluorene	< 1.7	ug/l	1.7	5.4	100	M8270C	9/29/2015	10/3/2015	MDK	I
Indeno(1,2,3-cd)pyrene	< 1.8	ug/l	1.8	5.7	100	M8270C	9/29/2015	10/3/2015	MDK	I
1-Methyl naphthalene	71	ug/l	1.8	5.7	100	M8270C	9/29/2015	10/3/2015	MDK	I
2-Methyl naphthalene	120	ug/l	1.7	5.4	100	M8270C	9/29/2015	10/3/2015	MDK	I
Naphthalene	350	ug/l	1.8	5.7	100	M8270C	9/29/2015	10/3/2015	MDK	I
Phenanthrene	< 1.7	ug/l	1.7	5.4	100	M8270C	9/29/2015	10/3/2015	MDK	I
Pyrene	< 1.8	ug/l	1.8	5.7	100	M8270C	9/29/2015	10/3/2015	MDK	I
VOC's										
Benzene	< 22	ug/l	22	70	50	8260B		10/1/2015	CJR	I
Bromobenzene	< 24	ug/l	24	75	50	8260B		10/1/2015	CJR	I
Bromodichloromethane	< 23	ug/l	23	75	50	8260B		10/1/2015	CJR	I
Bromoform	< 23	ug/l	23	75	50	8260B		10/1/2015	CJR	I
tert-Butylbenzene	< 55	ug/l	55	170	50	8260B		10/1/2015	CJR	I
sec-Butylbenzene	< 60	ug/l	60	190	50	8260B		10/1/2015	CJR	I
n-Butylbenzene	98 "J"	ug/l	50	165	50	8260B		10/1/2015	CJR	I
Carbon Tetrachloride	< 25.5	ug/l	25.5	80	50	8260B		10/1/2015	CJR	I
Chlorobenzene	< 23	ug/l	23	70	50	8260B		10/1/2015	CJR	I
Chloroethane	< 32.5	ug/l	32.5	105	50	8260B		10/1/2015	CJR	I
Chloroform	< 21.5	ug/l	21.5	70	50	8260B		10/1/2015	CJR	I
Chloromethane	< 95	ug/l	95	300	50	8260B		10/1/2015	CJR	I
2-Chlorotoluene	< 20	ug/l	20	65	50	8260B		10/1/2015	CJR	I
4-Chlorotoluene	< 31.5	ug/l	31.5	100	50	8260B		10/1/2015	CJR	I
1,2-Dibromo-3-chloropropane	< 70	ug/l	70	225	50	8260B		10/1/2015	CJR	I
Dibromochloromethane	< 22.5	ug/l	22.5	70	50	8260B		10/1/2015	CJR	I
1,4-Dichlorobenzene	< 24.5	ug/l	24.5	80	50	8260B		10/1/2015	CJR	I
1,3-Dichlorobenzene	< 26	ug/l	26	80	50	8260B		10/1/2015	CJR	I
1,2-Dichlorobenzene	< 23	ug/l	23	75	50	8260B		10/1/2015	CJR	I
Dichlorodifluoromethane	< 43.5	ug/l	43.5	140	50	8260B		10/1/2015	CJR	I
1,2-Dichloroethane	< 24	ug/l	24	75	50	8260B		10/1/2015	CJR	I
1,1-Dichloroethane	< 55	ug/l	55	180	50	8260B		10/1/2015	CJR	I
1,1-Dichloroethene	< 32.5	ug/l	32.5	105	50	8260B		10/1/2015	CJR	I
cis-1,2-Dichloroethene	< 22.5	ug/l	22.5	70	50	8260B		10/1/2015	CJR	I
trans-1,2-Dichloroethene	< 27	ug/l	27	85	50	8260B		10/1/2015	CJR	I
1,2-Dichloropropane	< 21.5	ug/l	21.5	68.5	50	8260B		10/1/2015	CJR	I
2,2-Dichloropropane	< 155	ug/l	155	490	50	8260B		10/1/2015	CJR	I
1,3-Dichloropropane	< 21	ug/l	21	65	50	8260B		10/1/2015	CJR	I
Di-isopropyl ether	< 22	ug/l	22	70	50	8260B		10/1/2015	CJR	I
EDB (1,2-Dibromoethane)	< 31.5	ug/l	31.5	100	50	8260B		10/1/2015	CJR	I
Ethylbenzene	580	ug/l	35.5	115	50	8260B		10/1/2015	CJR	I
Hexachlorobutadiene	< 110	ug/l	110	355	50	8260B		10/1/2015	CJR	I

Project Name GREENFIELD PROPERTY **Invoice #** E29748
Project #

Lab Code 5029748D
Sample ID MW-1
Sample Matrix Water
Sample Date 9/23/2015

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Isopropylbenzene	87 "J"	ug/l	41	130	50	8260B		10/1/2015	CJR	I
p-Isopropyltoluene	< 55	ug/l	55	175	50	8260B		10/1/2015	CJR	I
Methylene chloride	< 65	ug/l	65	210	50	8260B		10/1/2015	CJR	I
Methyl tert-butyl ether (MTBE)	< 55	ug/l	55	185	50	8260B		10/1/2015	CJR	I
Naphthalene	630	ug/l	80	260	50	8260B		10/1/2015	CJR	I
n-Propylbenzene	312	ug/l	38.5	120	50	8260B		10/1/2015	CJR	I
1,1,2,2-Tetrachloroethane	< 26	ug/l	26	85	50	8260B		10/1/2015	CJR	I
1,1,1,2-Tetrachloroethane	< 24	ug/l	24	75	50	8260B		10/1/2015	CJR	I
Tetrachloroethene	< 24.5	ug/l	24.5	75	50	8260B		10/1/2015	CJR	I
Toluene	< 22	ug/l	22	70	50	8260B		10/1/2015	CJR	I
1,2,4-Trichlorobenzene	< 85	ug/l	85	280	50	8260B		10/1/2015	CJR	I
1,2,3-Trichlorobenzene	< 135	ug/l	135	430	50	8260B		10/1/2015	CJR	I
1,1,1-Trichloroethane	< 42	ug/l	42	135	50	8260B		10/1/2015	CJR	I
1,1,2-Trichloroethane	< 24	ug/l	24	76	50	8260B		10/1/2015	CJR	I
Trichloroethene (TCE)	< 23.5	ug/l	23.5	75	50	8260B		10/1/2015	CJR	I
Trichlorofluoromethane	< 43.5	ug/l	43.5	140	50	8260B		10/1/2015	CJR	I
1,2,4-Trimethylbenzene	2540	ug/l	80	250	50	8260B		10/1/2015	CJR	I
1,3,5-Trimethylbenzene	610	ug/l	75	240	50	8260B		10/1/2015	CJR	I
Vinyl Chloride	< 8.5	ug/l	8.5	27	50	8260B		10/1/2015	CJR	I
m&p-Xylene	3300	ug/l	110	345	50	8260B		10/1/2015	CJR	I
o-Xylene	< 45	ug/l	45	145	50	8260B		10/1/2015	CJR	I
SUR - 1,2-Dichloroethane-d4	96	REC %			50	8260B		10/1/2015	CJR	I
SUR - 4-Bromofluorobenzene	111	REC %			50	8260B		10/1/2015	CJR	I
SUR - Dibromofluoromethane	107	REC %			50	8260B		10/1/2015	CJR	I
SUR - Toluene-d8	107	REC %			50	8260B		10/1/2015	CJR	I
Wet Chemistry										
General										
Nitrite Plus Nitrate, Dissolved	0.146 "J"	mg/l	0.13	0.43	1	353.2		9/25/2015	MDK	I
Sulfate, Filtered	7.22	mg/l	0.6	2	2	300.0		10/20/2015	CWT	I

Project Name GREENFIELD PROPERTY **Invoice #** E29748
Project #

Lab Code 5029748E
Sample ID TB
Sample Matrix Water
Sample Date 9/23/2015

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
VOC's										
Benzene	< 0.44	ug/l	0.44	1.4	1	8260B		10/1/2015	CJR	
Bromobenzene	< 0.48	ug/l	0.48	1.5	1	8260B		10/1/2015	CJR	
Bromodichloromethane	< 0.46	ug/l	0.46	1.5	1	8260B		10/1/2015	CJR	
Bromoform	< 0.46	ug/l	0.46	1.5	1	8260B		10/1/2015	CJR	
tert-Butylbenzene	< 1.1	ug/l	1.1	3.4	1	8260B		10/1/2015	CJR	
sec-Butylbenzene	< 1.2	ug/l	1.2	3.8	1	8260B		10/1/2015	CJR	
n-Butylbenzene	< 1	ug/l	1	3.3	1	8260B		10/1/2015	CJR	
Carbon Tetrachloride	< 0.51	ug/l	0.51	1.6	1	8260B		10/1/2015	CJR	
Chlorobenzene	< 0.46	ug/l	0.46	1.4	1	8260B		10/1/2015	CJR	
Chloroethane	< 0.65	ug/l	0.65	2.1	1	8260B		10/1/2015	CJR	
Chloroform	< 0.43	ug/l	0.43	1.4	1	8260B		10/1/2015	CJR	
Chloromethane	< 1.9	ug/l	1.9	6	1	8260B		10/1/2015	CJR	
2-Chlorotoluene	< 0.4	ug/l	0.4	1.3	1	8260B		10/1/2015	CJR	
4-Chlorotoluene	< 0.63	ug/l	0.63	2	1	8260B		10/1/2015	CJR	
1,2-Dibromo-3-chloropropane	< 1.4	ug/l	1.4	4.5	1	8260B		10/1/2015	CJR	
Dibromochloromethane	< 0.45	ug/l	0.45	1.4	1	8260B		10/1/2015	CJR	
1,4-Dichlorobenzene	< 0.49	ug/l	0.49	1.6	1	8260B		10/1/2015	CJR	
1,3-Dichlorobenzene	< 0.52	ug/l	0.52	1.6	1	8260B		10/1/2015	CJR	
1,2-Dichlorobenzene	< 0.46	ug/l	0.46	1.5	1	8260B		10/1/2015	CJR	
Dichlorodifluoromethane	< 0.87	ug/l	0.87	2.8	1	8260B		10/1/2015	CJR	
1,2-Dichloroethane	< 0.48	ug/l	0.48	1.5	1	8260B		10/1/2015	CJR	
1,1-Dichloroethane	< 1.1	ug/l	1.1	3.6	1	8260B		10/1/2015	CJR	
1,1-Dichloroethene	< 0.65	ug/l	0.65	2.1	1	8260B		10/1/2015	CJR	
cis-1,2-Dichloroethene	< 0.45	ug/l	0.45	1.4	1	8260B		10/1/2015	CJR	
trans-1,2-Dichloroethene	< 0.54	ug/l	0.54	1.7	1	8260B		10/1/2015	CJR	
1,2-Dichloropropane	< 0.43	ug/l	0.43	1.37	1	8260B		10/1/2015	CJR	
2,2-Dichloropropane	< 3.1	ug/l	3.1	9.8	1	8260B		10/1/2015	CJR	
1,3-Dichloropropane	< 0.42	ug/l	0.42	1.3	1	8260B		10/1/2015	CJR	
Di-isopropyl ether	< 0.44	ug/l	0.44	1.4	1	8260B		10/1/2015	CJR	
EDB (1,2-Dibromoethane)	< 0.63	ug/l	0.63	2	1	8260B		10/1/2015	CJR	
Ethylbenzene	< 0.71	ug/l	0.71	2.3	1	8260B		10/1/2015	CJR	
Hexachlorobutadiene	< 2.2	ug/l	2.2	7.1	1	8260B		10/1/2015	CJR	
Isopropylbenzene	< 0.82	ug/l	0.82	2.6	1	8260B		10/1/2015	CJR	
p-Isopropyltoluene	< 1.1	ug/l	1.1	3.5	1	8260B		10/1/2015	CJR	
Methylene chloride	< 1.3	ug/l	1.3	4.2	1	8260B		10/1/2015	CJR	
Methyl tert-butyl ether (MTBE)	< 1.1	ug/l	1.1	3.7	1	8260B		10/1/2015	CJR	
Naphthalene	< 1.6	ug/l	1.6	5.2	1	8260B		10/1/2015	CJR	
n-Propylbenzene	< 0.77	ug/l	0.77	2.4	1	8260B		10/1/2015	CJR	
1,1,2,2-Tetrachloroethane	< 0.52	ug/l	0.52	1.7	1	8260B		10/1/2015	CJR	
1,1,1,2-Tetrachloroethane	< 0.48	ug/l	0.48	1.5	1	8260B		10/1/2015	CJR	
Tetrachloroethene	< 0.49	ug/l	0.49	1.5	1	8260B		10/1/2015	CJR	
Toluene	< 0.44	ug/l	0.44	1.4	1	8260B		10/1/2015	CJR	
1,2,4-Trichlorobenzene	< 1.7	ug/l	1.7	5.6	1	8260B		10/1/2015	CJR	
1,2,3-Trichlorobenzene	< 2.7	ug/l	2.7	8.6	1	8260B		10/1/2015	CJR	
1,1,1-Trichloroethane	< 0.84	ug/l	0.84	2.7	1	8260B		10/1/2015	CJR	
1,1,2-Trichloroethane	< 0.48	ug/l	0.48	1.52	1	8260B		10/1/2015	CJR	
Trichloroethene (TCE)	< 0.47	ug/l	0.47	1.5	1	8260B		10/1/2015	CJR	
Trichlorofluoromethane	< 0.87	ug/l	0.87	2.8	1	8260B		10/1/2015	CJR	
1,2,4-Trimethylbenzene	< 1.6	ug/l	1.6	5	1	8260B		10/1/2015	CJR	
1,3,5-Trimethylbenzene	< 1.5	ug/l	1.5	4.8	1	8260B		10/1/2015	CJR	
Vinyl Chloride	< 0.17	ug/l	0.17	0.54	1	8260B		10/1/2015	CJR	
m&p-Xylene	< 2.2	ug/l	2.2	6.9	1	8260B		10/1/2015	CJR	
o-Xylene	< 0.9	ug/l	0.9	2.9	1	8260B		10/1/2015	CJR	
SUR - Toluene-d8	106	REC %			1	8260B		10/1/2015	CJR	
SUR - 1,2-Dichloroethane-d4	104	REC %			1	8260B		10/1/2015	CJR	
SUR - 4-Bromofluorobenzene	113	REC %			1	8260B		10/1/2015	CJR	
SUR - Dibromofluoromethane	107	REC %			1	8260B		10/1/2015	CJR	

Project Name GREENFIELD PROPERTY **Invoice #** E29748
Project #

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

Code	*Comment*
1	Laboratory QC within limits.

CWT denotes sub contract lab - Certification #445126660

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 # N 3081

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)	[signature]
Project (Name / Location):	Greenfield Property

Reports To:	Glendon Greenfield	Invoice To:	Glendon Greenfield c/o METCO
Company		Company	
Address	N3828 Wheat River Rd.	Address	709 Gillette St., Suite 3
City State Zip	Waupaca, WI 53963-9418	City State Zip	La Crosse, WI 54603
Phone	(?10) 346-5152	Phone	
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	Dissolved Iron	Dissolved Manganese						PID/FID
5025748A	DW N3828	9-23	10:..			N	3	GW	HCL													X									
B	MW-3		15:20			Y	7	↓	HCL, HNO3, H2SO4			X	X		X				X			X		X	X						
C	MW-2		[illegible]			Y	7		↓			X	X		X				X			X		X	X						
D	MW-1		11:30			Y	7	↓				X	X		X				X			X		X	X						
E	TB						3		HCL													X									

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

Lab: send copy of report to METCO (Jason?) (Invoice to METCO)

* Agri status, [illegible] *

Sample Integrity - To be completed by receiving lab.	Relinquished By: (sign)	Time	Date	Received By: (sign)	Time	Date
Method of Shipment: Dropped off	[signature]	10:00	9-24-15			
Temp. of Temp. Blank ____ °C On Ice: X						
Cooler seal intact upon receipt: X Yes ____ No	Received in Laboratory By: [signature]			Time: 2:45		Date: 9-25-15

Synergy Environmental Lab,

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

GLENDON GREENFIELD
GLENDON GREENFIELD
N2828 W. ROCK RIVER ROAD
WAUPUN, WI 53963

Report Date *30-Dec-15*

Project Name GREENFIELD PROPERTY **Invoice #** E30268
Project #

Lab Code 5030268A
Sample ID N2828 PW
Sample Matrix Water
Sample Date 12/21/2015

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Inorganic										
Metals										
Lead, Dissolved	< 0.7	ug/L	0.7	2.5	1	7421		12/29/2015	CWT	1
Organic										
VOC's										
Benzene	< 0.44	ug/l	0.44	1.4	1	8260B		12/28/2015	CJR	1
Bromobenzene	< 0.48	ug/l	0.48	1.5	1	8260B		12/28/2015	CJR	1
Bromodichloromethane	< 0.46	ug/l	0.46	1.5	1	8260B		12/28/2015	CJR	1
Bromoform	< 0.46	ug/l	0.46	1.5	1	8260B		12/28/2015	CJR	1
tert-Butylbenzene	< 1.1	ug/l	1.1	3.4	1	8260B		12/28/2015	CJR	1
sec-Butylbenzene	< 1.2	ug/l	1.2	3.8	1	8260B		12/28/2015	CJR	1
n-Butylbenzene	< 1	ug/l	1	3.3	1	8260B		12/28/2015	CJR	1
Carbon Tetrachloride	< 0.51	ug/l	0.51	1.6	1	8260B		12/28/2015	CJR	1
Chlorobenzene	< 0.46	ug/l	0.46	1.4	1	8260B		12/28/2015	CJR	1
Chloroethane	< 0.65	ug/l	0.65	2.1	1	8260B		12/28/2015	CJR	1
Chloroform	< 0.43	ug/l	0.43	1.4	1	8260B		12/28/2015	CJR	1
Chloromethane	< 1.9	ug/l	1.9	6	1	8260B		12/28/2015	CJR	1
2-Chlorotoluene	< 0.4	ug/l	0.4	1.3	1	8260B		12/28/2015	CJR	1
4-Chlorotoluene	< 0.63	ug/l	0.63	2	1	8260B		12/28/2015	CJR	1
1,2-Dibromo-3-chloropropane	< 1.4	ug/l	1.4	4.5	1	8260B		12/28/2015	CJR	1
Dibromochloromethane	< 0.45	ug/l	0.45	1.4	1	8260B		12/28/2015	CJR	1
1,4-Dichlorobenzene	< 0.49	ug/l	0.49	1.6	1	8260B		12/28/2015	CJR	1
1,3-Dichlorobenzene	< 0.52	ug/l	0.52	1.6	1	8260B		12/28/2015	CJR	1
1,2-Dichlorobenzene	< 0.46	ug/l	0.46	1.5	1	8260B		12/28/2015	CJR	1
Dichlorodifluoromethane	< 0.87	ug/l	0.87	2.8	1	8260B		12/28/2015	CJR	1
1,2-Dichloroethane	< 0.48	ug/l	0.48	1.5	1	8260B		12/28/2015	CJR	1
1,1-Dichloroethane	< 1.1	ug/l	1.1	3.6	1	8260B		12/28/2015	CJR	1
1,1-Dichloroethene	< 0.65	ug/l	0.65	2.1	1	8260B		12/28/2015	CJR	1
cis-1,2-Dichloroethene	< 0.45	ug/l	0.45	1.4	1	8260B		12/28/2015	CJR	1
trans-1,2-Dichloroethene	< 0.54	ug/l	0.54	1.7	1	8260B		12/28/2015	CJR	1
1,2-Dichloropropane	< 0.43	ug/l	0.43	1.37	1	8260B		12/28/2015	CJR	1
2,2-Dichloropropane	< 3.1	ug/l	3.1	9.8	1	8260B		12/28/2015	CJR	1
1,3-Dichloropropane	< 0.42	ug/l	0.42	1.3	1	8260B		12/28/2015	CJR	1
Di-isopropyl ether	< 0.44	ug/l	0.44	1.4	1	8260B		12/28/2015	CJR	1

Project Name GREENFIELD PROPERTY **Invoice #** E30268
Project #

Lab Code 5030268A
Sample ID N2828 PW
Sample Matrix Water
Sample Date 12/21/2015

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
EDB (1,2-Dibromoethane)	< 0.63	ug/l	0.63	2	1	8260B		12/28/2015	CJR	1
Ethylbenzene	< 0.71	ug/l	0.71	2.3	1	8260B		12/28/2015	CJR	1
Hexachlorobutadiene	< 2.2	ug/l	2.2	7.1	1	8260B		12/28/2015	CJR	1
Isopropylbenzene	< 0.82	ug/l	0.82	2.6	1	8260B		12/28/2015	CJR	1
p-Isopropyltoluene	< 1.1	ug/l	1.1	3.5	1	8260B		12/28/2015	CJR	1
Methylene chloride	< 1.3	ug/l	1.3	4.2	1	8260B		12/28/2015	CJR	1
Methyl tert-butyl ether (MTBE)	< 1.1	ug/l	1.1	3.7	1	8260B		12/28/2015	CJR	1
Naphthalene	< 1.6	ug/l	1.6	5.2	1	8260B		12/28/2015	CJR	1
n-Propylbenzene	< 0.77	ug/l	0.77	2.4	1	8260B		12/28/2015	CJR	1
1,1,2,2-Tetrachloroethane	< 0.52	ug/l	0.52	1.7	1	8260B		12/28/2015	CJR	1
1,1,1,2-Tetrachloroethane	< 0.48	ug/l	0.48	1.5	1	8260B		12/28/2015	CJR	1
Tetrachloroethene	< 0.49	ug/l	0.49	1.5	1	8260B		12/28/2015	CJR	1
Toluene	< 0.44	ug/l	0.44	1.4	1	8260B		12/28/2015	CJR	1
1,2,4-Trichlorobenzene	< 1.7	ug/l	1.7	5.6	1	8260B		12/28/2015	CJR	1
1,2,3-Trichlorobenzene	< 2.7	ug/l	2.7	8.6	1	8260B		12/28/2015	CJR	1
1,1,1-Trichloroethane	< 0.84	ug/l	0.84	2.7	1	8260B		12/28/2015	CJR	1
1,1,2-Trichloroethane	< 0.48	ug/l	0.48	1.52	1	8260B		12/28/2015	CJR	1
Trichloroethene (TCE)	< 0.47	ug/l	0.47	1.5	1	8260B		12/28/2015	CJR	1
Trichlorofluoromethane	< 0.87	ug/l	0.87	2.8	1	8260B		12/28/2015	CJR	1
1,2,4-Trimethylbenzene	< 1.6	ug/l	1.6	5	1	8260B		12/28/2015	CJR	1
1,3,5-Trimethylbenzene	< 1.5	ug/l	1.5	4.8	1	8260B		12/28/2015	CJR	1
Vinyl Chloride	< 0.17	ug/l	0.17	0.54	1	8260B		12/28/2015	CJR	1
m&p-Xylene	< 2.2	ug/l	2.2	6.9	1	8260B		12/28/2015	CJR	1
o-Xylene	< 0.9	ug/l	0.9	2.9	1	8260B		12/28/2015	CJR	1
SUR - 1,2-Dichloroethane-d4	101	REC %			1	8260B		12/28/2015	CJR	1
SUR - 4-Bromofluorobenzene	115	REC %			1	8260B		12/28/2015	CJR	1
SUR - Dibromofluoromethane	97	REC %			1	8260B		12/28/2015	CJR	1
SUR - Toluene-d8	102	REC %			1	8260B		12/28/2015	CJR	1

Lab Code 5030268B
Sample ID MW-2
Sample Matrix Water
Sample Date 12/21/2015

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Inorganic										
Metals										
Lead, Dissolved	< 0.7	ug/L	0.7	2.5	1	7421		12/29/2015	CWT	1
Organic										
PVOC + Naphthalene										
Benzene	< 0.46	ug/l	0.46	1.5	1	GRO95/8021		12/25/2015	CJR	1
Ethylbenzene	< 0.73	ug/l	0.73	2.3	1	GRO95/8021		12/25/2015	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.49	ug/l	0.49	1.6	1	GRO95/8021		12/25/2015	CJR	1
Naphthalene	< 2.6	ug/l	2.6	8.3	1	GRO95/8021		12/25/2015	CJR	1
Toluene	< 0.39	ug/l	0.39	1.2	1	GRO95/8021		12/25/2015	CJR	1
1,2,4-Trimethylbenzene	< 0.68	ug/l	0.68	2.2	1	GRO95/8021		12/25/2015	CJR	1
1,3,5-Trimethylbenzene	< 0.83	ug/l	0.83	2.6	1	GRO95/8021		12/25/2015	CJR	1
m&p-Xylene	< 1.4	ug/l	1.4	4.4	1	GRO95/8021		12/25/2015	CJR	1
o-Xylene	< 0.66	ug/l	0.66	2.1	1	GRO95/8021		12/25/2015	CJR	1

Project Name GREENFIELD PROPERTY **Invoice #** E30268
Project #

Lab Code 5030268C
Sample ID MW-3
Sample Matrix Water
Sample Date 12/21/2015

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Inorganic										
Metals										
Lead, Dissolved	< 0.7	ug/L	0.7	2.5	1	7421		12/29/2015	CWT	1
Organic										
PVOC + Naphthalene										
Benzene	< 0.46	ug/l	0.46	1.5	1	GRO95/8021		12/25/2015	CJR	1
Ethylbenzene	< 0.73	ug/l	0.73	2.3	1	GRO95/8021		12/25/2015	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.49	ug/l	0.49	1.6	1	GRO95/8021		12/25/2015	CJR	1
Naphthalene	< 2.6	ug/l	2.6	8.3	1	GRO95/8021		12/25/2015	CJR	1
Toluene	< 0.39	ug/l	0.39	1.2	1	GRO95/8021		12/25/2015	CJR	1
1,2,4-Trimethylbenzene	< 0.68	ug/l	0.68	2.2	1	GRO95/8021		12/25/2015	CJR	1
1,3,5-Trimethylbenzene	< 0.83	ug/l	0.83	2.6	1	GRO95/8021		12/25/2015	CJR	1
m&p-Xylene	< 1.4	ug/l	1.4	4.4	1	GRO95/8021		12/25/2015	CJR	1
o-Xylene	< 0.66	ug/l	0.66	2.1	1	GRO95/8021		12/25/2015	CJR	1

Lab Code 5030268D
Sample ID MW-1
Sample Matrix Water
Sample Date 12/21/2015

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Inorganic										
Metals										
Lead, Dissolved	< 0.7	ug/L	0.7	2.5	1	7421		12/29/2015	CWT	1
Organic										
PVOC + Naphthalene										
Benzene	8.9 "J"	ug/l	4.6	15	10	GRO95/8021		12/25/2015	CJR	1
Ethylbenzene	450	ug/l	7.3	23	10	GRO95/8021		12/25/2015	CJR	1
Methyl tert-butyl ether (MTBE)	< 4.9	ug/l	4.9	16	10	GRO95/8021		12/25/2015	CJR	1
Naphthalene	420	ug/l	26	83	10	GRO95/8021		12/25/2015	CJR	1
Toluene	26.3	ug/l	3.9	12	10	GRO95/8021		12/25/2015	CJR	1
1,2,4-Trimethylbenzene	1720	ug/l	6.8	22	10	GRO95/8021		12/25/2015	CJR	1
1,3,5-Trimethylbenzene	460	ug/l	8.3	26	10	GRO95/8021		12/25/2015	CJR	1
m&p-Xylene	2450	ug/l	14	44	10	GRO95/8021		12/25/2015	CJR	1
o-Xylene	36	ug/l	6.6	21	10	GRO95/8021		12/25/2015	CJR	1

Lab Code 5030268E
Sample ID TB
Sample Matrix Water
Sample Date 12/21/2015

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	< 0.46	ug/l	0.46	1.5	1	GRO95/8021		12/24/2015	CJR	1
Ethylbenzene	< 0.73	ug/l	0.73	2.3	1	GRO95/8021		12/24/2015	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.49	ug/l	0.49	1.6	1	GRO95/8021		12/24/2015	CJR	1
Naphthalene	< 2.6	ug/l	2.6	8.3	1	GRO95/8021		12/24/2015	CJR	1
Toluene	< 0.39	ug/l	0.39	1.2	1	GRO95/8021		12/24/2015	CJR	1
1,2,4-Trimethylbenzene	< 0.68	ug/l	0.68	2.2	1	GRO95/8021		12/24/2015	CJR	1
1,3,5-Trimethylbenzene	< 0.83	ug/l	0.83	2.6	1	GRO95/8021		12/24/2015	CJR	1
m&p-Xylene	< 1.4	ug/l	1.4	4.4	1	GRO95/8021		12/24/2015	CJR	1
o-Xylene	< 0.66	ug/l	0.66	2.1	1	GRO95/8021		12/24/2015	CJR	1

Project Name GREENFIELD PROPERTY **Invoice #** E30268
Project #

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

Code	*Comment*
1	Laboratory QC within limits.

CWT denotes sub contract lab - Certification #445126660

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 # № 286

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) [signature]

Project (Name / Location): Greenfield Property / Waupun

Reports To: Glendon Greenfield

Company:

Address: N2828 W Rock River Rd

City State Zip: Waupun, WI 53963-9418

Phone:

FAX:

Invoice To: G. Greenfield

Company: c/o METCO

Address: 709 Gillette St, Ste. 3

City State Zip: La Crosse, WI 54603

Phone:

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	PID/FID
5030268A	N2828 PW	12-21	825			Y	4	GW	HCL, HNO3			X										X		
B	MW-2	↓	855			↓	↓	↓	↓			X						X						
C	MW-3	↓	920			↓	↓	↓	↓			X						X						
D	MW-1	↓	950			↓	↓	↓	↓			X						X						
E	TB						1		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 / Jason P. (Invoice to METCO)

WC Rates Apply * Agent Status

Sample Integrity - To be completed by receiving lab.

Method of Shipment: Duhe…

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
[signature]	9:00 AM	12-22-15			

Received in Laboratory By: [signature] Time: 8:00 Date: 12/23/15

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)
Greenfield Property - WI DOT	420115520		4/12/2016	Jon Jensen/METCO

WI Unique Well No	Well Name	DNR Well ID Number	Well Location	Dir. N/S E/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
			337538.31	X																
VN744	MW-3		723363.78	X	9/1/2015	2	P	917.04	917.56	X		15	11.37	25	10	11/mw	A	X		52
			337464.07	X																
VN745	MW-2		723440.07	X	9/1/2015	2	P	918.58	919.15	X		15	18.14	25	10	11/mw	A	X	D	71
			337475.96	X																
VN746	MW-1		723360.96	X	9/1/2015	2	P	917.01	917.51	X		14	14.4	24	10	11/mw	A	X	D	2

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

Grid Origin Location: (Check if estimated: ☐)
Lat. 43 ° 38 ' 42 " Long. 88 ° 48 ' 3 " 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: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☒ Other ☐

MONITORING WELL CONSTRUCTION

Form 4400-113A Rev. 7-98

Facility/Project Name: Greenfield Property W. Rock River Rd
Facility License, Permit or Monitoring No.:
Facility ID:
Type of Well — Well Code: MW
Distance from Waste/Source: ft. | Enf. Stds. Apply ☐

Local Grid Location of Well ☐ N. ft. ☐ S. ☐ E. ft. ☐ W.
Local Grid Origin ☐ (estimated: ☐) or Well Location ☐
Lat. ° ' " Long. ° ' "
St. Plane ft. N. ft. E. S/C/N
Section Location of Waste/Source ☐ E. ☐ W.
1/4 of 1/4 of Sec. T. N. R.
Location of Well Relative to Waste/Source: u ☐ Upgradient s ☐ Sidegradient d ☐ Downgradient n ☐ Not Known
Gov. Lot Number:

Well Name: MW-1
Wis. Unique Well No.: VN746
DNR Well ID No.:
Date Well Installed: 6/10/2015 (m m d d y y y y)
Well Installed By: Name (first, last) and Firm: Craig Plant Ground Source

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

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

E. Bentonite seal, top ft. MSL or 1 ft.
F. Fine sand, top ft. MSL or 10 ft.
G. Filter pack, top ft. MSL or 12 ft.
H. Screen joint, top ft. MSL or 14 ft.
I. Well bottom ft. MSL or 24 ft.
J. Filter pack, bottom ft. MSL or 24.5 ft.
K. Borehole, bottom ft. MSL or 24.5 ft.
L. Borehole, diameter 6 in.
M. O.D. well casing 2.37 in.
N. I.D. well casing 2.03 in.

1. Cap and lock? ☒ Yes ☐ No
2. Protective cover pipe:
a. Inside diameter: 8 in.
b. Length: ft.
c. Material: Steel ☒ 04 Other ☐
d. Additional protection? ☐ Yes ☐ No
If yes, describe:
3. Surface seal: Bentonite ☒ 30 Concrete ☐ 01 Other ☐
4. Material between well casing and protective pipe: Bentonite ☐ 30 Other ☐
5. Annular space seal: a. Granular/Chipped Bentonite ☒ 33
b. Lbs/gal mud weight . . . Bentonite-sand slurry ☐ 35
c. Lbs/gal mud weight . . . . . Bentonite slurry ☐ 31
d. % Bentonite . . . . . Bentonite-cement grout ☐ 50
e. 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. ☒ 3/8 in. ☐ 1/2 in. Bentonite chips ☒ 32
c. Other ☐
7. Fine sand material: Manufacturer, product name & mesh size
a. 40/60 Badger
b. Volume added .5 ft^3
8. Filter pack material: Manufacturer, product name & mesh size
a. 20/40 Badger
b. Volume added 3.5 ft^3
9. Well casing: Flush threaded PVC schedule 40 ☒ 23 Flush threaded PVC schedule 80 ☐ 24 Other ☐
10. Screen material: PVC
a. Screen type: Factory cut ☒ 11 Continuous slot ☐ 01 Other ☐
b. Manufacturer Johnson
c. Slot size: 0.010 in.
d. Slotted length: 10 ft.
11. Backfill material (below filter pack): None ☒ 14 Other ☐

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

Signature: GPC Firm: Ground Source

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

State of Wisconsin
Department of Natural Resources

Route to: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☒ Other ☐ _____

MONITORING WELL CONSTRUCTION

Form 4400-113A Rev. 7-98

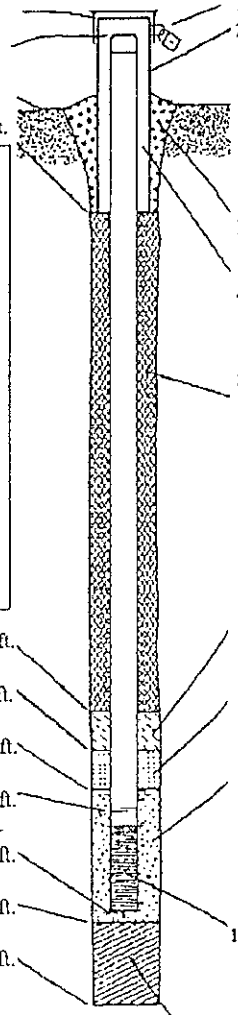
Facility/Project Name: Greenfield Property — W. Rock River Rd
Facility License, Permit or Monitoring No.:
Facility ID:
Type of Well: Well Code MW
Distance from Waste/Source _____ ft. | Enf. Stds. Apply ☐

Local Grid Location of Well ☐ N. ☐ S. _____ ft. ☐ E. ☐ W.
Local Grid Origin ☐ (estimated: ☐) or Well Location ☐
Lat. ___ ° ___ ' ___ " Long. ___ ° ___ ' ___ " or
St. Plane _____ ft. N, _____ ft. E. S/C/N
Section Location of Waste/Source ☐ E ☐ W
_____ 1/4 of _____ 1/4 of Sec. _____, T. _____ N, R. _____
Location of Well Relative to Waste/Source: u ☐ Upgradient s ☐ Sidegradient d ☐ Downgradient n ☐ Not Known
Gov. Lot Number:

Well Name: MW-2
Wis. Unique Well No.: VN745 | DNR Well ID No.:
Date Well Installed: 6/01/2015 (m m d d y y y y)
Well Installed By: Name (first, last) and Firm: Craig Plant — Ground Source

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

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



1. Cap and lock? ☒ Yes ☐ No
2. Protective cover pipe:
a. Inside diameter: 8 in.
b. Length: 4 ft.
c. Material: Steel ☒ 04 Other ☐ _____
d. Additional protection? ☐ Yes ☐ No
If yes, describe: _____
3. Surface seal: Bentonite ☒ 30 Concrete ☐ 01 Other ☐ _____
4. Material between well casing and protective pipe: Bentonite ☐ 30 Other ☐ _____
5. Annular space seal: a. Granular/Chipped Bentonite ☒ 33
b. _____ Lbs/gal mud weight . . . Bentonite-sand slurry ☐ 35
c. _____ Lbs/gal mud weight . . . . . Bentonite slurry ☐ 31
d. _____ % Bentonite . . . . . Bentonite-cement grout ☐ 50
e. _____ Ft^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. ☒ 3/8 in. ☐ 1/2 in. Bentonite chips ☒ 32
c. _____ Other ☐ _____
7. Fine sand material: Manufacturer, product name & mesh size
a. 40/60 Badger
b. Volume added .5 ft^3
8. Filter pack material: Manufacturer, product name & mesh size
a. 20/40 Badger
b. Volume added 3.5 ft^3
9. Well casing: Flush threaded PVC schedule 40 ☒ 23 Flush threaded PVC schedule 80 ☐ 24 Other ☐ _____
10. Screen material: PVC
a. Screen type: Factory cut ☒ 11 Continuous slot ☐ 01 Other ☐ _____
b. Manufacturer Johnson
c. Slot size: 0.010 in.
d. Slotted length: 10 ft.
11. Backfill material (below filter pack): None ☒ 14 Other ☐ _____

E. Bentonite seal, top _____ ft. MSL or _____ ft.
F. Fine sand, top _____ ft. MSL or 11 ft.
G. Filter pack, top _____ ft. MSL or 13 ft.
H. Screen joint, top _____ ft. MSL or 15 ft.
I. Well bottom _____ ft. MSL or 25 ft.
J. Filter pack, bottom _____ ft. MSL or 33 ft.
K. Borehole, bottom _____ ft. MSL or 33 ft.
L. Borehole, diameter 6 in.
M. O.D. well casing 2.37 in.
N. I.D. well casing 2.03 in.

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

Signature: [signature] Firm: Ground Source

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

State of Wisconsin
Department of Natural Resources

Route to: Watershed/Wastewater ☐ Waste Management ☐
Greenfield Property — Remediation/Redevelopment ☒ Other ☐

MONITORING WELL CONSTRUCTION

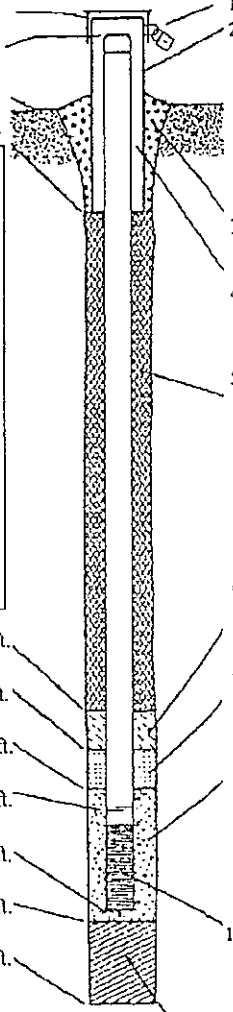
Form 4400-113A Rev. 7-98

Facility/Project Name: W Rock River Rd	Local Grid Location of Well: ____ ft. ☐N. ☐S. ____ ft. ☐E. ☐W.	Well Name: MW-3
Facility License, Permit or Monitoring No.	Local Grid Origin ☐ (estimated: ☐) or Well Location ☐ Lat. ____ ° ____ ' ____ " Long. ____ ° ____ ' ____ " or	Wis. Unique Well No.: VN744 / DNR Well ID No.: ____
Facility ID: ____	St. Plane ____ ft. N, ____ ft. E. S/C/N	Date Well Installed: 6/10/2015 (m m d d y y y y)
Type of Well — Well Code: MW	Section Location of Waste/Source: ____ 1/4 of ____ 1/4 of Sec. ____, T. ____ N, R. ____ ☐E ☐W	Well Installed By: Name (first, last) and Firm: Craig Plant / Ground Source
Distance from Waste/Source ____ ft. / Enf. Stds. Apply ☐	Location of Well Relative to Waste/Source: u ☐ Upgradient s ☐ Sidegradient d ☐ Downgradient n ☐ Not Known	Gov. Lot Number: ____

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

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

E. Bentonite seal, top ____ ft. MSL or ____ 1 ft.
F. Fine sand, top ____ ft. MSL or ____ 11 ft.
G. Filter pack, top ____ ft. MSL or ____ 13 ft.
H. Screen joint, top ____ ft. MSL or ____ 15 ft.
I. Well bottom ____ ft. MSL or ____ 25 ft.
J. Filter pack, bottom ____ ft. MSL or ____ 35 ft.
K. Borehole, bottom ____ ft. MSL or ____ 35 ft.
L. Borehole, diameter 6 in.
M. O.D. well casing 2.37 in.
N. I.D. well casing 2.03 in.



1. Cap and lock? ☒ Yes ☐ No
2. Protective cover pipe:
a. Inside diameter: 8 in.
b. Length: ____ ft.
c. Material: Steel ☒ 04 Other ☐ ____
d. Additional protection? ☐ Yes ☐ No
If yes, describe: ____
3. Surface seal: Bentonite ☒ 30 Concrete ☐ 01 Other ☐ ____
4. Material between well casing and protective pipe: Bentonite ☐ 30 Other ☐ ____
5. Annular space seal: a. Granular/Chipped Bentonite ☒ 33
b. ____ Lbs/gal mud weight . . . Bentonite-sand slurry ☐ 35
c. ____ Lbs/gal mud weight . . . . . Bentonite slurry ☐ 31
d. ____ % Bentonite . . . . . Bentonite-cement grout ☐ 50
e. ____ 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. ☒3/8 in. ☐1/2 in. Bentonite chips ☒ 32
c. ____ Other ☐ ____
7. Fine sand material: Manufacturer, product name & mesh size
a. 40/60 Badger
b. Volume added .5 ft^3
8. Filter pack material: Manufacturer, product name & mesh size
a. 20/40 Badger
b. Volume added 3.5 ft^3
9. Well casing: Flush threaded PVC schedule 40 ☒ 23 Flush threaded PVC schedule 80 ☐ 24 Other ☐ ____
10. Screen material: PVC
a. Screen type: Factory cut ☒ 11 Continuous slot ☐ 01 Other ☐ ____
b. Manufacturer Johnson
c. Slot size: 0.010 in.
d. Slotted length: 10 ft.
11. Backfill material (below filter pack): None ☒ 14 Other ☐ ____

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

Signature: [signature] Firm: Ground Source

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

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
Greenfield Property	FOND DU LAC	MW-1

Facility License, Permit or Monitoring Number	County Code	Wis. Unique Well Number	DNR Well ID Number
	20__	VN746__	____

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 28____ min.

4. Depth of well (from top of well casisng) 24____ ft.

5. Inside diameter of well 2____ in.

6. Volume of water in filter pack and well casing 10.6____ 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? ☐ Yes ☐ No
(If yes, attach results)

	Before Development	After Development
11. Depth to Water (from top of well casing)	a. 14.4____ ft.	21.22____ ft.
Date	b. 09 / 01 / 2015 (m m d d y y y y)	9/ /1 /2015 (m m d d y y y y)
Time	c. 03 : 44 ☐ a.m. [X] p.m.	04 : 12 ☐ a.m. [X] p.m.
12. Sediment in well bottom	____ inches	____ inches
13. Water clarity	Clear ☐ 10 Turbid [X] 15 (Describe) Tan	Clear [X] 20 Turbid ☐ 25 (Describe) Clear
	High Turbidity	Low Turbidity

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

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

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

17. Additional comments on development:

Name and Address of Facility Contact/Owner/Responsible Party
First Name: Glendon Last Name: Greenfield
Facility/Firm: Greenfield Property
Street: N2828 W. Rock River Road
City/State/Zip: Waupun WI 53963-9418

I hereby certify that the above information is true and correct to the best of my knowledge.
Signature: Dillon Plamann
Print Name: Dillon Plamann
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
Greenfield Property	FOND DU LAC	MW-2

Facility License, Permit or Monitoring Number	County Code	Wis. Unique Well Number	DNR Well ID Number
	20	VN745	

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 32 min.

4. Depth of well (from top of well casisng) 25 ft.

5. Inside diameter of well 2 in.

6. Volume of water in filter pack and well casing 7.5 gal.

7. Volume of water removed from well 15 gal.

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

9. Source of water added _____

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

	Before Development	After Development
11. Depth to Water (from top of well casing)	a. 18.14 ft.	19.35 ft.
Date	b. 09 / 01 / 2015 (m m d d y y y y)	9/ /1 /2015 (m m d d y y y y)
Time	c. 03 : 00 ☐ a.m. [X] p.m.	03 : 32 ☐ a.m. [X] p.m.
12. Sediment in well bottom	____ inches	____ inches
13. Water clarity	Clear ☐ 10 Turbid [X] 15 (Describe) Gray	Clear [X] 20 Turbid ☐ 25 (Describe) Clear
	High Turbidity	Low Turbidity

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

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

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

17. Additional comments on development:

Name and Address of Facility Contact /Owner/Responsible Party
First Name: Glendon Last Name: Greenfield
Facility/Firm: Greenfield Property
Street: N2828 W. Rock River Road
City/State/Zip: Waupun WI 53963-9418

I hereby certify that the above information is true and correct to the best of my knowledge.
Signature: Dillon J Plamann
Print Name: Dillon Plamann
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
Greenfield Property	FOND DU LAC	MW-3

Facility License, Permit or Monitoring Number	County Code	Wis. Unique Well Number	DNR Well ID Number
	20__	__VN744__	____

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 72 ____ min.

4. Depth of well (from top of well casisng) 25 ____ ft.

5. Inside diameter of well 2 ____ in.

6. Volume of water in filter pack and well casing 15 ____ gal.

7. Volume of water removed from well 70 ____ 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. 11.37 ft.	14.95 ft.
Date	b. 09 / 01 / 2015 (m m d d y y y y)	9/ /1 2015 (m m d d y y y y)
Time	c. 01 : 36 ☐ a.m. X p.m.	02 : 48 ☐ a.m. X p.m.
12. Sediment in well bottom	___ inches	___ inches
13. Water clarity	Clear ☐ 10 Turbid X 15 (Describe) Tan	Clear [X] 20 Turbid ☐ 25 (Describe) Clear
	High Turbidity	Low Turbidity

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

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

15. COD ____ mg/l ____ mg/l

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

17. Additional comments on development:

Name and Address of Facility Contact /Owner/Responsible Party
First Name: Glendon Last Name: Greenfield
Facility/Firm: Greenfield Property
Street: N2828 W. Rock River Road
City/State/Zip: Waupun WI 53963-9418

I hereby certify that the above information is true and correct to the best of my knowledge.
Signature: Dillon J Plamann
Print Name: Dillon Plamann
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
Greenfield Property – WI DOT		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 Firm: Geiss Soil & Samples, LLC	08/11/2014 MM/ DD/ YYYY	08/11/2014 MM /DD/ YYYY	Geoprobe

WI Unique Well No. DNR Well ID No. Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
	Feet MSL	915 Feet MSL	2 Inches

Local Grid Origin (estimated X) or Boring Location		Local Grid Location
State Plane N, E	Lat 43 ° 38 ' 42 "	N E
NW ¼ of NW ¼ of Section 35, T 14 N, R 14 E	Long 88 ° 48' 3 "	Feet S Feet W

Facility ID	County	County Code	Civil Town / City / Village
420115520	Fond du Lac	20	Town of Alto

Sample					Soil Properties										
Number & Type	Length Att. & Recovered (in)	Blow Counts	Depth in Feet (below ground surface)	Soil / Rock Description And Geologic Origin For Each Major Unit	U S C S	Graphic Log	Well Diagram	PID / FID	Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD / Comments
G-1-1 0–4 feet	48 30		2 4	Gray clayey sand w/ gravel	Fill			0		Moist				No Petro Odor
G-1-2 4–8 feet	48 3		6 8	Gray clayey sand w/ gravel	Fill			0		Moist				No Petro Odor
				Gray clayey sand w/ gravel (8-10 feet)	Fill									
G-1-3 8-12 feet	48 48		10	Gray sandy silt w/ gravel (10-12 feet)	ML			330		Moist				Slight Petro Odor From 10-12 Feet
G-1-4 12-13 feet	48 12		12	Gray sandy silt w/ gravel	ML			10		Moist				Slight Petro Odor
			14	EOB @ 13 feet. Geoprobe refusal. Borehole abandoned.										
			16 18 20 22 24											

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

Signature: Firm: METCO

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
Greenfield Property – WI DOT		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 Firm: Geiss Soil & Samples, LLC	08/11/2014 MM/ DD/ YYYY	08/11/2014 MM /DD/ YYYY	Geoprobe

WI Unique Well No. DNR Well ID No.	Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
		Feet MSL	915 Feet MSL	2 Inches

Local Grid Origin (estimated X) or Boring Location		Local Grid Location
State Plane N, E	Lat 43 ° 38 ' 42 "	N E
NW ¼ of NW ¼ of Section 35, T 14 N, R 14 E	Long 88 ° 48' 3 "	Feet S Feet W

Facility ID	County	County Code	Civil Town / City / Village
420115520	Fond du Lac	20	Town of Alto

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 36		2	Gray clayey sand w/ gravel	Fill			0		Moist				No Petro Odor
			4	Gray clayey sand w/ gravel (4-6 feet)	Fill									
G-2-2 4–8 feet	48 42		6	Gray sandy silt w/ gravel (6-8 feet)	ML			720		Moist				Petro Odor From 6-8 Feet
			8											
G-2-3 8-12 feet	48 48		10	Gray sandy silt w/ gravel	ML			565		Moist				Petro Odor
			12	EOB @ 12 feet. Geoprobe refusal. Borehole abandoned.										
			14											
			16											
			18											
			20											
			22											
			24											

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

Signature: Firm: METCO

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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
Greenfield Property – WI DOT		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	08/11/2014	08/11/2014	Geoprobe
Firm: Geiss Soil & Samples, LLC	MM/ DD/ YYYY	MM /DD/ YYYY	

WI Unique Well No. DNR Well ID No.	Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
		Feet MSL	915 Feet MSL	2 Inches

Local Grid Origin (estimated X) or Boring Location		Local Grid Location
State Plane N, E	Lat 43 ° 38 ' 42 "	N E
NW ¼ of NW ¼ of Section 35, T 14 N, R 14 E	Long 88 ° 48' 3 "	Feet S Feet W

Facility ID	County	County Code	Civil Town / City / Village
420115520	Fond du Lac	20	Town of Alto

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-3-1 0–4 feet	48 24		2	Gray clayey sand w/ gravel	Fill			0		Moist				No Petro Odor
			4											
G-3-2 4–8 feet	48 30		6	Gray clayey sand w/ gravel	Fill			10		Moist				Petro Odor From 6-8 Feet
			8											
G-3-3 8-12 feet	48 42		10	Gray sandy silt w/ gravel	ML			525		Moist				Petro Odor
			12	EOB @ 12 feet. Geoprobe refusal. Borehole abandoned.										
			14											
			16											
			18											
			20											
			22											
			24											

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

Signature: Firm: METCO

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
Greenfield Property – WI DOT		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	08/11/2014	08/11/2014	Geoprobe
Firm: Geiss Soil & Samples, LLC	MM/ DD/ YYYY	MM /DD/ YYYY	

WI Unique Well No. DNR Well ID No.	Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
		Feet MSL	915 Feet MSL	2 Inches

Local Grid Origin (estimated X) or Boring Location		Local Grid Location
State Plane N, E	Lat 43 ° 38 ' 42 "	N E
NW ¼ of NW ¼ of Section 35, T 14 N, R 14 E	Long 88 ° 48' 3 "	Feet S Feet W

Facility ID	County	County Code	Civil Town / City / Village
420115520	Fond du Lac	20	Town of Alto

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-4-1 0–4 feet	48 42		2	Gray sandy silt w/ gravel	ML			0		Moist				No Petro Odor
			4											
G-4-2 4–8 feet	48 42		6	Gray sandy silt w/ gravel	ML			0		Moist				No Petro Odor
			8											
G-4-3 8–12 feet	48 48		10	Gray sandy silt w/ gravel	ML			10		Moist				No Petro Odor
			12	EOB @ 12 feet. Geoprobe refusal. Borehole abandoned.										
			14											
			16											
			18											
			20											
			22											
			24											

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

Signature: Firm: METCO

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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
Greenfield Property – WI DOT		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	08/11/2014	08/11/2014	Geoprobe
Firm: Geiss Soil & Samples, LLC	MM/ DD/ YYYY	MM /DD/ YYYY	

WI Unique Well No. DNR Well ID No.	Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
		Feet MSL	915 Feet MSL	2 Inches

Local Grid Origin (estimated X) or Boring Location		Local Grid Location
State Plane N, E	Lat 43 ° 38 ' 42 "	N E
NW ¼ of NW ¼ of Section 35, T 14 N, R 14 E	Long 88 ° 48' 3 "	Feet S Feet W

Facility ID	County	County Code	Civil Town / City / Village
420115520	Fond du Lac	20	Town of Alto

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-5-1 0–4 feet	48 42		2	Brown sandy silt w/ gravel	ML			0		Moist				No Petro Odor
			4											
G-5-2 4–8 feet	48 42		6	Brown to gray sandy silt w/ gravel	ML			240		Moist				Petro Odor From 7-8 Feet
			8	Gray sandy silt w/ gravel (8-9.5 feet)	ML									
G-5-3 8-10 feet	48 24		10	Gray fine to medium grained sand (9.5-10 feet)	SP			760		Moist				Petro Odor
				EOB @ 10 feet. Geoprobe refusal. Borehole abandoned.										
			12											
			14											
			16											
			18											
			20											
			22											
			24											

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

Signature: Firm: METCO

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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
Greenfield Property – WI DOT		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 Firm: Geiss Soil & Samples, LLC	08/11/2014 MM/ DD/ YYYY	08/11/2014 MM /DD/ YYYY	Geoprobe

WI Unique Well No. DNR Well ID No.	Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
		Feet MSL	915 Feet MSL	2 Inches

Local Grid Origin (estimated X) or Boring Location	Local Grid Location
State Plane N, E	Lat 43 ° 38 ' 42 " N E
NW ¼ of NW ¼ of Section 35, T 14 N, R 14 E	Long 88 ° 48' 3 " Feet S Feet W

Facility ID	County	County Code	Civil Town / City / Village
420115520	Fond du Lac	20	Town of Alto

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 36		2 4	Orange sandy silt w/ gravel	ML			0		Moist				No Petro Odor
G-6-2 4–8 feet	48 42		6 8	Gray sandy silt w/ gravel	ML			0		Moist				No Petro Odor
G-6-3 8-12 feet	48 48		10 12	Gray sandy silt w/ gravel	ML			250		Moist				Petro Odor From 9-12 Feet
			14 16 18 20 22 24	EOB @ 12 feet. Geoprobe refusal. Borehole abandoned.										

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
Greenfield Property – WI DOT		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 Firm: Geiss Soil & Samples, LLC	08/11/2014 MM/ DD/ YYYY	08/11/2014 MM /DD/ YYYY	Geoprobe

WI Unique Well No. DNR Well ID No. Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
	Feet MSL	915 Feet MSL	2 Inches

Local Grid Origin (estimated X) or Boring Location		Local Grid Location
State Plane N, E	Lat 43 ° 38 ' 42 "	N E
NW ¼ of NW ¼ of Section 35, T 14 N, R 14 E	Long 88 ° 48' 3 "	Feet S Feet W

Facility ID	County	County Code	Civil Town / City / Village
420115520	Fond du Lac	20	Town of Alto

Sample					Soil Properties									
Number & Type	Length Att. & Recovered (in)	Blow Counts	Depth in Feet (below ground surface)	Soil / Rock Description And Geologic Origin For Each Major Unit	U S C S	Graphic Log	Well Diagram	PID / FID	Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD / Comments
G-7-1 0–4 feet	48 42		2	Brown sandy silt w/ gravel	ML			0		Moist				No Petro Odor
			4											
G-7-2 4–8 feet	48 18		6	Gray sandy silt w/ gravel	ML			0		Moist				No Petro Odor
			8	EOB @ 8 feet. Geoprobe refusal. Borehole abandoned.										
			10											
			12											
			14											
			16											
			18											
			20											
			22											
			24											

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

Signature: Firm: METCO

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
Greenfield Property – WI DOT		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	08/11/2014	08/11/2014	Geoprobe
Firm: Geiss Soil & Samples, LLC	MM/ DD/ YYYY	MM /DD/ YYYY	

WI Unique Well No.	DNR Well ID No.	Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
			Feet MSL	915 Feet MSL	2 Inches

Local Grid Origin (estimated X) or Boring Location		Local Grid Location
State Plane N, E	Lat 43 ° 38 ' 42 "	N E
NW ¼ of NW ¼ of Section 35, T 14 N, R 14 E	Long 88 ° 48' 3 "	Feet S Feet W

Facility ID	County	County Code	Civil Town / City / Village
420115520	Fond du Lac	20	Town of Alto

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 30		2	Gray sandy silt w/ gravel	ML			0		Moist				No Petro Odor
			4											
G-8-2 4–8 feet	48 42		6	Tan sandy silt w/ gravel	ML			0		Moist				No Petro Odor
			8											
G-8-3 8-11 feet	48 36		10	Tan sandy silt w/ gravel	ML			0		Moist				No Petro Odor
			12	EOB @ 11 feet. Geoprobe refusal. Borehole abandoned.										
			14											
			16											
			18											
			20											
			22											
			24											

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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
Greenfield Property – WI DOT		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	08/11/2014	08/11/2014	Geoprobe
Firm: Geiss Soil & Samples, LLC	MM/ DD/ YYYY	MM /DD/ YYYY	

WI Unique Well No. DNR Well ID No.	Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
		Feet MSL	915 Feet MSL	2 Inches

Local Grid Origin (estimated X) or Boring Location		Local Grid Location
State Plane N, E	Lat 43 ° 38 ' 42 "	N E
NW ¼ of NW ¼ of Section 35, T 14 N, R 14 E	Long 88 ° 48' 3 "	Feet S Feet W

Facility ID	County	County Code	Civil Town / City / Village
420115520	Fond du Lac	20	Town of Alto

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
				Concrete										
G-9-1 0–4 feet	48 18		2	Tan sandy silt w/ gravel	ML			0		Moist				No Petro Odor
			4											
G-9-2 4–8 feet	48 36		6	Tan sandy silt w/ gravel	ML			0		Moist				No Petro Odor
			8											
G-9-3 8-12 feet	48 42		10	Tan sandy silt w/ gravel	ML			0		Moist				No Petro Odor
			12	EOB @ 12 feet. Geoprobe refusal. Borehole abandoned.										
			14											
			16											
			18											
			20											
			22											
			24											

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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
Greenfield Property – WI DOT		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	08/11/2014	08/11/2014	Geoprobe
Firm: Geiss Soil & Samples, LLC	MM/ DD/ YYYY	MM /DD/ YYYY	

WI Unique Well No.	DNR Well ID No.	Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
			Feet MSL	915 Feet MSL	2 Inches

Local Grid Origin (estimated X) or Boring Location		Local Grid Location
State Plane N, E	Lat 43 ° 38 ' 42 "	N E
NW ¼ of NW ¼ of Section 35, T 14 N, R 14 E	Long 88 ° 48' 3 "	Feet S Feet W

Facility ID	County	County Code	Civil Town / City / Village
420115520	Fond du Lac	20	Town of Alto

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 42		2	Tan sandy silt w/ gravel	ML			0		Moist				No Petro Odor
			4											
G-10-2 4–8 feet	48 42		6	Tan sandy silt w/ gravel	ML			0		Moist				No Petro Odor
			8											
G-10-3 8-11 feet	48 36		10	Tan sandy silt w/ gravel	ML			0		Moist				No Petro Odor
			12	EOB @ 11 feet. Geoprobe refusal. Borehole abandoned.										
			14											
			16											
			18											
			20											
			22											
			24											

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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
Greenfield Property – WI DOT		G-11

Boring Drilled By: Name of crew chief (first, last) and Firm	Drilling Date Started	Drilling Date Completed	Drilling Method
First: Darrin Last: Prentice	08/11/2014	08/11/2014	Geoprobe
Firm: Geiss Soil & Samples, LLC	MM/ DD/ YYYY	MM /DD/ YYYY	

WI Unique Well No. DNR Well ID No. Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
	Feet MSL	915 Feet MSL	2 Inches

Local Grid Origin (estimated X) or Boring Location		Local Grid Location
State Plane N, E	Lat 43 ° 38 ' 42 "	N E
NW ¼ of NW ¼ of Section 35, T 14 N, R 14 E	Long 88 ° 48' 3 "	Feet S Feet W

Facility ID	County	County Code	Civil Town / City / Village
420115520	Fond du Lac	20	Town of Alto

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-11-1 0–4 feet	48 42		2	Tan sandy silt w/ gravel	ML			0		Moist				No Petro Odor
			4											
G-11-2 4–8 feet	48 36		6	Tan sandy silt w/ gravel	ML			0		Moist				No Petro Odor
			8	EOB @ 7 feet. Geoprobe refusal. Borehole abandoned.										
			10											
			12											
			14											
			16											
			18											
			20											
			22											
			24											

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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
Greenfield Property – WI DOT		G-12

Boring Drilled By: Name of crew chief (first, last) and Firm	Drilling Date Started	Drilling Date Completed	Drilling Method
First: Darrin Last: Prentice	08/11/2014	08/11/2014	Geoprobe
Firm: Geiss Soil & Samples, LLC	MM/ DD/ YYYY	MM /DD/ YYYY	

WI Unique Well No.	DNR Well ID No.	Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
			Feet MSL	915 Feet MSL	2 Inches

Local Grid Origin (estimated X) or Boring Location		Local Grid Location
State Plane N, E	Lat 43 ° 38 ' 42 "	N E
NW ¼ of NW ¼ of Section 35, T 14 N, R 14 E	Long 88 ° 48' 3 "	Feet S Feet W

Facility ID	County	County Code	Civil Town / City / Village
420115520	Fond du Lac	20	Town of Alto

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-12-1 0–4 feet	48 12		2	Tan sandy silt w/ gravel	ML			0		Moist				No Petro Odor
			4											
G-12-2 4–8 feet	48 36		6	Tan sandy silt w/ gravel	ML			0		Moist				No Petro Odor
			8											
G-12-3 8-12 feet	48 24		10	Tan sandy silt w/ gravel	ML			60		Moist				Petro Odor
			12	EOB @ 12 feet. Geoprobe refusal. Borehole abandoned.										
			14											
			16											
			18											
			20											
			22											
			24											

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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
Greenfield Property – WI DOT		G-13

Boring Drilled By: Name of crew chief (first, last) and Firm	Drilling Date Started	Drilling Date Completed	Drilling Method
First: Darrin Last: Prentice	08/11/2014	08/11/2014	Geoprobe
Firm: Geiss Soil & Samples, LLC	MM/ DD/ YYYY	MM /DD/ YYYY	

WI Unique Well No. DNR Well ID No.	Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
		Feet MSL	915 Feet MSL	2 Inches

Local Grid Origin (estimated X) or Boring Location		Local Grid Location
State Plane N, E	Lat 43 ° 38 ' 42 "	N E
NW ¼ of NW ¼ of Section 35, T 14 N, R 14 E	Long 88 ° 48' 3 "	Feet S Feet W

Facility ID	County	County Code	Civil Town / City / Village
420115520	Fond du Lac	20	Town of Alto

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-13-1 0–4 feet	48 36		2	Tan sandy silt w/ gravel	ML			0		Moist				No Petro Odor
			4											
G-13-2 4–8 feet	48 42		6	Tan sandy silt w/ gravel	ML			0		Moist				No Petro Odor
			8											
G-13-3 8-11 feet	48 30		10	Tan sandy silt w/ gravel	ML			0		Moist				No Petro Odor
			12	EOB @ 11 feet. Geoprobe refusal. Borehole abandoned.										
			14											
			16											
			18											
			20											
			22											
			24											

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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
Greenfield Property – WI DOT		G-14

Boring Drilled By: Name of crew chief (first, last) and Firm	Drilling Date Started	Drilling Date Completed	Drilling Method
First: Darrin Last: Prentice	08/11/2014	08/11/2014	Geoprobe
Firm: Geiss Soil & Samples, LLC	MM/ DD/ YYYY	MM /DD/ YYYY	

WI Unique Well No. DNR Well ID No.	Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
		Feet MSL	915 Feet MSL	2 Inches

Local Grid Origin (estimated X) or Boring Location		Local Grid Location
State Plane N, E	Lat 43 ° 38 ' 42 "	N E
NW ¼ of NW ¼ of Section 35, T 14 N, R 14 E	Long 88 ° 48' 3 "	Feet S Feet W

Facility ID	County	County Code	Civil Town / City / Village
420115520	Fond du Lac	20	Town of Alto

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-14-1 0–4 feet	48 42		2	Tan sandy silt w/ gravel	ML			0		Moist				No Petro Odor
			4											
G-14-2 4–8 feet	48 36		6	Tan sandy silt w/ gravel	ML			0		Moist				No Petro Odor
			8											
G-14-3 8-11 feet	48 36		10	Tan sandy silt w/ gravel	ML			0		Moist				No Petro Odor
			12	EOB @ 11 feet. Geoprobe refusal. Borehole abandoned.										
			14											
			16											
			18											
			20											
			22											
			24											

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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
Greenfield Property -- WI DOT		G-15

Boring Drilled By: Name of crew chief (first, last) and Firm	Drilling Date Started	Drilling Date Completed	Drilling Method
First: Darrin Last: Prentice	08/11/2014	08/11/2014	Geoprobe
Firm: Geiss Soil & Samples, LLC	MM/ DD/ YYYY	MM /DD/ YYYY	

WI Unique Well No.	DNR Well ID No.	Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
			Feet MSL	915 Feet MSL	2 Inches

Local Grid Origin (estimated X) or Boring Location		Local Grid Location
State Plane N, E	Lat 43 ° 38 ' 42 "	N E
NW ¼ of NW ¼ of Section 35, T 14 N, R 14 E	Long 88 ° 48' 3 "	Feet S Feet W

Facility ID	County	County Code	Civil Town / City / Village
420115520	Fond du Lac	20	Town of Alto

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-15-1 0–4 feet	48 36		2	Tan sandy silt w/ gravel	ML			0		Moist				No Petro Odor
			4											
G-15-2 4–8 feet	48 30		6	Tan sandy silt w/ gravel	ML			0		Moist				No Petro Odor
			8	EOB @ 7 feet. Geoprobe refusal. Borehole abandoned.										
			10											
			12											
			14											
			16											
			18											
			20											
			22											
			24											

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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
Greenfield Property		MW-1

Boring Drilled By: Name of crew chief (first, last) and Firm	Drilling Date Started	Drilling Date Completed	Drilling Method
First: Craig Last: Plant Firm: Ground Source	09/01/2015 MM/ DD/ YYYY	09/01/2015 MM /DD/ YYYY	HSA/AR

WI Unique Well No.	DNR Well ID No.	Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
VN746		MW-1	900 Feet MSL	915 Feet MSL	6

Local Grid Origin (estimated X) or Boring Location		Local Grid Location
State Plane N, E	Lat 43 ° 38 ' 42"	N E
NW¼ of NW¼ of Section 35 , T 14 N, R 14 E	Long 88 ° 48 ' 3 "	Feet S Feet W

Facility ID	County	County Code	Civil Town / City / Village
420115520	Fond Du Lac	20	Town of Alto

Sample					Soil Properties									
Number & Type	Length Att. & Recovered (in)	Blow Counts	Depth in Feet (below ground surface)	Soil / Rock Description And Geologic Origin For Each Major Unit	U S C S	Graphic Log	Well Diagram	PID / FID	Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD / Comments
MW-1-1 (2-4 feet)	24 18	2,1 2,1	4	Tan sandy silt/clay with gravel (till)	SC		See Well Construction Form	0		M				No Petro Odor
MW-1-2 (6-8 feet)	24 18	2,3 3,3	8	Gray sandy silt/clay with gravel (till)	SC			575		M				Petro Odor
MW-1-3 (10-12 feet)	24	12,22 24,50/3	12	Gray sandy silt/clay with gravel (till)	SC			300		M				Petro Odor
MW-1-4 (14-16 feet)	24 1	50/1	16	Gray sandy silt with gravel and cobbles (till)	SM			320		M				Petro Odor
MW-1-5 (20 feet)			20	Gray sandy silt with gravel and cobbles (till)	SM			5.9		M				Slight Petro Odor
MW-1-6 (24 feet)			24	Gray sandy silt with gravel and cobbles (till)	SM			0		M				No Petro Odor
			28	EOB at 24.5 Feet. Auger refusal @ 14 feet, air rotary drilling from 14 to 24.5 feet. Installed monitoring well MW-1 to 24 feet.										
			32											
			36											
			40											
			44											
			48											

Signature: Firm: METCO

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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
Greenfield Property		MW-2

Boring Drilled By: Name of crew chief (first, last) and Firm	Drilling Date Started	Drilling Date Completed	Drilling Method
First: Craig Last: Plant Firm: Ground Source	09/01/2015 MM/ DD/ YYYY	09/01/2015 MM /DD/ YYYY	HSA/AR

WI Unique Well No.	DNR Well ID No.	Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
VN745		MW-2	900 Feet MSL	915 Feet MSL	6

Local Grid Origin (estimated X) or Boring Location		Local Grid Location
State Plane N, E	Lat 43 ° 38 ' 42"	N E
NW¼ of NW¼ of Section 35 , T 14 N, R 14 E	Long 88 ° 48 ' 3 "	Feet S Feet W

Facility ID	County	County Code	Civil Town / City / Village
420115520	Fond Du Lac	20	Town of Alto

Sample					Soil Properties									
Number & Type	Length Att. & Recovered (in)	Blow Counts	Depth in Feet (below ground surface)	Soil / Rock Description And Geologic Origin For Each Major Unit	U S C S	Graphic Log	Well Diagram	PID / FID	Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD / Comments
MW-2-1 (2-4 feet)	24 12	18,24 50/5	4	Tan sandy silt with gravel (till) Air rotary drilling from 5 to 33 feet	SM		See Well Construction Form	0		M				No Petro Odor
MW-2-2 (10 feet)			8 12	Tan sandy silt with gravel and cobbles (till)	SM			0		M				No Petro Odor
MW-2-3 (15 feet)			16	Tan sandy silt with gravel and cobbles (till)	SM			0		M				No Petro Odor
MW-2-4 (20 feet)			20	Gray sandy silt with gravel and cobbles (till)	SM			0		M				No Petro Odor
MW-2-5 (25 feet)			24	Gray sandy silt with gravel, cobbles, and boulders (till)	SM			0		M				No Petro Odor
MW-2-6 (30 feet)			28	Gray sandy silt with gravel, cobbles, and boulders (till)	SM			0		M				No Petro Odor
			32	Dolomite EOB at 33 Feet. Auger refusal @ 5 feet, air rotary drilling from 5 to 33 feet. Installed monitoring well MW-2 to 25 feet.										
			36 40 44 48											

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
Greenfield Property		MW-3

Boring Drilled By: Name of crew chief (first, last) and Firm	Drilling Date Started	Drilling Date Completed	Drilling Method
First: Craig Last: Plant Firm: Ground Source	09/01/2015 MM/ DD/ YYYY	09/01/2015 MM /DD/ YYYY	HSA/AR

WI Unique Well No.	DNR Well ID No.	Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
VN744		MW-3	900 Feet MSL	915 Feet MSL	6

Local Grid Origin (estimated X) or Boring Location		Local Grid Location
State Plane N, E	Lat 43 ° 38 ' 42"	N E
NW¼ of NW¼ of Section 35 , T 14 N, R 14 E	Long 88 ° 48 ' 3 "	Feet S Feet W

Facility ID	County	County Code	Civil Town / City / Village
420115520	Fond Du Lac	20	Town of Alto

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: U S C S	Graphic Log	Well Diagram	PID / FID	Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD / Comments
MW-3-1 (2-4 feet)	24 18	2,2 3,6	4	Brown sandy silt/clay	SC		See Well Construction Form	0.7		M				No Petro Odor
MW-3-2 (6-8 feet)	24 18	6,11 50/3	8	Brown sandy silt/clay with gravel (till)	SC			0.8		M				No Petro Odor
MW-3-3 (10-12 feet)	24 18	15,18 24,50/3	12	Tan sandy silt with gravel (till)	SM			1.6		M				No Petro Odor
MW-3-4 (14-16 feet)	24 3	50/1	16	Tan sandy silt with gravel (till)	SM			1.2		M				No Petro Odor
MW-3-5 (20 feet)			20	Gray sandy silt/clay with gravel and cobbles (till)	SC			0.9		M				No Petro Odor
MW-3-6 (25 feet)			24	Gray sandy silt/clay with gravel and cobbles (till)	SC			0.8		M				No Petro Odor
MW-3-7 (30 feet)			28	Tan dolomite				0.9		M				No Petro Odor
MW-3-8 (35 feet)			32	Tan dolomite				1.0		W				No Petro Odor
			36	EOB at 37 Feet. Auger refusal @ 14 feet, air rotary drilling from 14 to 37 feet. Installed monitoring well MW-3 to 25 feet.										
			40											
			44											
			48											

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 [X] Remediation/Redevelopment ☐ Waste Management ☐ Other:

1. Well Location Information

County	WI Unique Well # of Removed Well	Hicap #
FOND DU LAC		

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

43 ° 38.7 ' N

88 ° 48.05 ' W

¼ / ¼	¼	Section	Township	Range	
or Gov't Lot #			N		☐ E ☐ W

Well Street Address: N2828 West Rock River Road

Well City, Village or Town	Well ZIP Code
Waupun	53963-

Subdivision Name	Lot #

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

3. Well / Drillhole / Borehole Information

☐ Monitoring Well ☐ Water Well [X] Borehole / Drillhole

Original Construction Date (mm/dd/yyyy): 8/11/2014

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.)	Casing Diameter (in.)
13	
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)

2. Facility / Owner Information

Facility Name: Greenfield Property - WI DOT

Facility ID (FID or PWS): 420115520

License/Permit/Monitoring #:

Original Well Owner: Glen Greenfield

Present Well Owner: Glen Greenfield

Mailing Address of Present Owner: N2828 West Rock River Road

City of Present Owner	State	ZIP Code
Waupun	WI	53963-

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

	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?	☐	☐	☐
If bentonite chips were used, were they hydrated with water from a known safe source?	☐	☐	☐

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 [X] 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	13	19.5	

6. Comments

G-1 Abandoned by Geiss Soil & Samples, LLC under METCO supervision.

7. Supervision of Work

Name of Person or Firm Doing Filling & Sealing	License #	Date of Filling & Sealing (mm/dd/yyyy)
Eric Dahl/METCO		8/11/2014

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-		9/2/2014

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) Page 1 of 2

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☐ **Verification Only of Fill and Seal**

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

1. Well Location Information

County	WI Unique Well # of Removed Well	Hicap #
FOND DU LAC		

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

43 ° 38.7 ' N

88 ° 48.05 ' W

¼ / ¼ or Gov't Lot #	¼	Section	Township	Range
			N	☐ E ☐ W

Well Street Address: N2828 West Rock River Road

Well City, Village or Town	Well ZIP Code
Waupun	53963-

Subdivision Name	Lot #

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

2. Facility / Owner Information

Facility Name: Greenfield Property - WI DOT

Facility ID (FID or PWS): 420115520

License/Permit/Monitoring #:

Original Well Owner: Glen Greenfield

Present Well Owner: Glen Greenfield

Mailing Address of Present Owner: N2828 West Rock River Road

City of Present Owner	State	ZIP Code
Waupun	WI	53963-

3. Well / Drillhole / Borehole Information

☐ Monitoring Well ☐ Water Well [X] Borehole / Drillhole

Original Construction Date (mm/dd/yyyy): 8/11/2014

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.)	Casing Diameter (in.)
12	

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	[X] N/A
Liner(s) removed?	☐ Yes	☐ No	[X] N/A
Screen removed?	☐ Yes	☐ No	[X] N/A
Casing left in place?	☐ Yes	☐ No	[X] N/A
Was casing cut off below surface?	☐ Yes	☐ No	[X] N/A
Did sealing material rise to surface?	[X] Yes	☐ No	☐ N/A
Did material settle after 24 hours?	☐ Yes	[X] 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) [X] Other (Explain): Gravity

Sealing Materials

☐ Neat Cement Grout ☐ Clay-Sand Slurry (11 lb./gal. wt.)
☐ Sand-Cement (Concrete) Grout ☐ Bentonite-Sand Slurry " "
☐ Concrete [X] 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	12	18	

6. Comments

G-2 Abandoned by Geiss Soil & Samples, LLC under METCO supervision.

7. Supervision of Work

Name of Person or Firm Doing Filling & Sealing	License #	Date of Filling & Sealing (mm/dd/yyyy)
Eric Dahl/METCO		8/11/2014

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-		9/2/2014

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 [X] Remediation/Redevelopment
☐ Waste Management ☐ Other:

1. Well Location Information

County	WI Unique Well # of Removed Well	Hicap #
FOND DU LAC		

Latitude / Longitude (Degrees and Minutes) — Method Code (see instructions)
43 ° 38.7 ' N
88 ° 48.05 ' W

¼ / ¼	¼	Section	Township	Range	
or Gov't Lot #			N		☐ E ☐ W

Well Street Address: N2828 West Rock River Road

Well City, Village or Town	Well ZIP Code
Waupun	53963-

Subdivision Name	Lot #

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

2. Facility / Owner Information

Facility Name: Greenfield Property - WI DOT

Facility ID (FID or PWS): 420115520

License/Permit/Monitoring #:

Original Well Owner: Glen Greenfield

Present Well Owner: Glen Greenfield

Mailing Address of Present Owner: N2828 West Rock River Road

City of Present Owner	State	ZIP Code
Waupun	WI	53963-

3. Well / Drillhole / Borehole Information

☐ Monitoring Well
☐ Water Well
[X] Borehole / Drillhole

Original Construction Date (mm/dd/yyyy): 8/11/2014

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.)	Casing Diameter (in.)
12	
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	[X] N/A
Liner(s) removed?	☐ Yes	☐ No	[X] N/A
Screen removed?	☐ Yes	☐ No	[X] N/A
Casing left in place?	☐ Yes	☐ No	[X] N/A
Was casing cut off below surface?	☐ Yes	☐ No	[X] N/A
Did sealing material rise to surface?	[X] Yes	☐ No	☐ N/A
Did material settle after 24 hours?	☐ Yes	[X] 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) [X] Other (Explain): Gravity

Sealing Materials
☐ Neat Cement Grout ☐ Clay-Sand Slurry (11 lb./gal. wt.)
☐ Sand-Cement (Concrete) Grout ☐ Bentonite-Sand Slurry " "
☐ Concrete [X] 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	12	18	

6. Comments

G-3 Abandoned by Geiss Soil & Samples, LLC under METCO supervision.

7. Supervision of Work

Name of Person or Firm Doing Filling & Sealing	License #	Date of Filling & Sealing (mm/dd/yyyy)
Eric Dahl/METCO		8/11/2014

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-		9/2/2014

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 [X] Remediation/Redevelopment ☐ Waste Management ☐ Other:

1. Well Location Information

County	WI Unique Well # of Removed Well	Hicap #
FOND DU LAC		

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

43 ° 38.7 ' N

88 ° 48.05 ' W

¼ / ¼	¼	Section	Township	Range
or Gov't Lot #			N	☐ E ☐ W

Well Street Address: N2828 West Rock River Road

Well City, Village or Town	Well ZIP Code
Waupun	53963-

Subdivision Name	Lot #

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

2. Facility / Owner Information

Facility Name: Greenfield Property - WI DOT

Facility ID (FID or PWS): 420115520

License/Permit/Monitoring #:

Original Well Owner: Glen Greenfield

Present Well Owner: Glen Greenfield

Mailing Address of Present Owner: N2828 West Rock River Road

City of Present Owner	State	ZIP Code
Waupun	WI	53963-

3. Well / Drillhole / Borehole Information

☐ Monitoring Well ☐ Water Well [X] Borehole / Drillhole

Original Construction Date (mm/dd/yyyy): 8/11/2014

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.)	Casing Diameter (in.)
12	

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	[X] N/A
Liner(s) removed?	☐ Yes	☐ No	[X] N/A
Screen removed?	☐ Yes	☐ No	[X] N/A
Casing left in place?	☐ Yes	☐ No	[X] N/A
Was casing cut off below surface?	☐ Yes	☐ No	[X] N/A
Did sealing material rise to surface?	[X] Yes	☐ No	☐ N/A
Did material settle after 24 hours?	☐ Yes	[X] 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) [X] Other (Explain): Gravity

Sealing Materials: ☐ Neat Cement Grout ☐ Sand-Cement (Concrete) Grout ☐ Concrete ☐ Clay-Sand Slurry (11 lb./gal. wt.) ☐ Bentonite-Sand Slurry " " [X] Bentonite Chips

For Monitoring Wells and Monitoring Well Boreholes Only: ☐ Bentonite Chips ☐ Granular Bentonite ☐ Bentonite - Cement Grout ☐ Bentonite - Sand Slurry

5. Material Used To Fill Well / Drillhole

	From (ft.)	To (ft.)	Pounds	
Bentonite Chips	Surface	12	18	

6. Comments

G-4 Abandoned by Geiss Soil & Samples, LLC under METCO supervision.

7. Supervision of Work

Name of Person or Firm Doing Filling & Sealing	License #	Date of Filling & Sealing (mm/dd/yyyy)
Eric Dahl/METCO		8/11/2014

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-		9/2/2014

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 [X] Remediation/Redevelopment ☐ Waste Management ☐ Other: _____

1. Well Location Information

County	WI Unique Well # of Removed Well	Hicap #
FOND DU LAC	_ _ _ _ _ _	

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

43 ° 38.7 . _ _ _ 'N

88 ° 48.05 . _ _ _ 'W

¼ / ¼	¼	Section	Township	Range
or Gov't Lot #			N	☐ E ☐ W

Well Street Address: N2828 West Rock River Road

Well City, Village or Town	Well ZIP Code
Waupun	53963-

Subdivision Name	Lot #

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

2. Facility / Owner Information

Facility Name: Greenfield Property - WI DOT

Facility ID (FID or PWS): 420115520

License/Permit/Monitoring #:

Original Well Owner: Glen Greenfield

Present Well Owner: Glen Greenfield

Mailing Address of Present Owner: N2828 West Rock River Road

City of Present Owner	State	ZIP Code
Waupun	WI	53963-

3. Well / Drillhole / Borehole Information

☐ Monitoring Well ☐ Water Well [X] Borehole / Drillhole

Original Construction Date (mm/dd/yyyy): 8/11/2014

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.)	Casing Diameter (in.)
10	

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	[X] N/A
Liner(s) removed?	☐ Yes	☐ No	[X] N/A
Screen removed?	☐ Yes	☐ No	[X] N/A
Casing left in place?	☐ Yes	☐ No	[X] N/A
Was casing cut off below surface?	☐ Yes	☐ No	[X] N/A
Did sealing material rise to surface?	[X] Yes	☐ No	☐ N/A
Did material settle after 24 hours?	☐ Yes	[X] 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) [X] Other (Explain): Gravity

Sealing Materials

☐ Neat Cement Grout ☐ Clay-Sand Slurry (11 lb./gal. wt.)
☐ Sand-Cement (Concrete) Grout ☐ Bentonite-Sand Slurry " "
☐ Concrete [X] 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	10	15	

6. Comments

G-5 Abandoned by Geiss Soil & Samples, LLC under METCO supervision.

7. Supervision of Work

Name of Person or Firm Doing Filling & Sealing	License #	Date of Filling & Sealing (mm/dd/yyyy)
Eric Dahl/METCO		8/11/2014

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-		9/2/2014

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 [X] Remediation/Redevelopment ☐ Waste Management ☐ Other:

1. Well Location Information

County	WI Unique Well # of Removed Well	Hicap #
FOND DU LAC		

Latitude / Longitude (Degrees and Minutes): 43 ° 38.7 ' N; 88 ° 48.05 ' W — Method Code (see instructions):

¼ / ¼	¼	Section	Township	Range	E	W
or Gov't Lot #			N		☐	☐

Well Street Address: N2828 West Rock River Road

Well City, Village or Town	Well ZIP Code
Waupun	53963-
Subdivision Name	Lot #

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

2. Facility / Owner Information

Facility Name: Greenfield Property - WI DOT

Facility ID (FID or PWS): 420115520

License/Permit/Monitoring #:

Original Well Owner: Glen Greenfield

Present Well Owner: Glen Greenfield

Mailing Address of Present Owner: N2828 West Rock River Road

City of Present Owner	State	ZIP Code
Waupun	WI	53963-

3. Well / Drillhole / Borehole Information

☐ Monitoring Well ☐ Water Well [X] Borehole / Drillhole

Original Construction Date (mm/dd/yyyy): 8/11/2014

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.)	Casing Diameter (in.)
12	
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	[X] N/A
Liner(s) removed?	☐ Yes	☐ No	[X] N/A
Screen removed?	☐ Yes	☐ No	[X] N/A
Casing left in place?	☐ Yes	☐ No	[X] N/A
Was casing cut off below surface?	☐ Yes	☐ No	[X] N/A
Did sealing material rise to surface?	[X] Yes	☐ No	☐ N/A
Did material settle after 24 hours?	☐ Yes	[X] 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) [X] Other (Explain): Gravity

Sealing Materials: ☐ Neat Cement Grout ☐ Sand-Cement (Concrete) Grout ☐ Concrete ☐ Clay-Sand Slurry (11 lb./gal. wt.) ☐ Bentonite-Sand Slurry " " [X] Bentonite Chips

For Monitoring Wells and Monitoring Well Boreholes Only: ☐ Bentonite Chips ☐ Granular Bentonite ☐ Bentonite - Cement Grout ☐ Bentonite - Sand Slurry

5. Material Used To Fill Well / Drillhole

Material	From (ft.)	To (ft.)	Pounds
Bentonite Chips	Surface	12	18

6. Comments

G-6 Abandoned by Geiss Soil & Samples, LLC under METCO supervision.

7. Supervision of Work

Name of Person or Firm Doing Filling & Sealing	License #	Date of Filling & Sealing (mm/dd/yyyy)
Eric Dahl/METCO		8/11/2014

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-		9/2/2014

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 [X] Remediation/Redevelopment
☐ Waste Management ☐ Other:

1. Well Location Information

County	WI Unique Well # of Removed Well	Hicap #
FOND DU LAC		

Latitude / Longitude (Degrees and Minutes) — Method Code (see instructions)
43 ° 38.7 ' N
88 ° 48.05 ' W

¼ / ¼	¼	Section	Township	Range
or Gov't Lot #			N	☐ E ☐ W

Well Street Address: N2828 West Rock River Road

Well City, Village or Town	Well ZIP Code
Waupun	53963-

Subdivision Name	Lot #

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

2. Facility / Owner Information

Facility Name: Greenfield Property - WI DOT

Facility ID (FID or PWS): 420115520

License/Permit/Monitoring #:

Original Well Owner: Glen Greenfield

Present Well Owner: Glen Greenfield

Mailing Address of Present Owner: N2828 West Rock River Road

City of Present Owner	State	ZIP Code
Waupun	WI	53963-

3. Well / Drillhole / Borehole Information

☐ Monitoring Well
☐ Water Well
[X] Borehole / Drillhole

Original Construction Date (mm/dd/yyyy): 8/11/2014

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.)	Casing Diameter (in.)
8	

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	[X] N/A
Liner(s) removed?	☐ Yes	☐ No	[X] N/A
Screen removed?	☐ Yes	☐ No	[X] N/A
Casing left in place?	☐ Yes	☐ No	[X] N/A
Was casing cut off below surface?	☐ Yes	☐ No	[X] N/A
Did sealing material rise to surface?	[X] Yes	☐ No	☐ N/A
Did material settle after 24 hours?	☐ Yes	[X] 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) [X] Other (Explain): Gravity

Sealing Materials
☐ Neat Cement Grout ☐ Clay-Sand Slurry (11 lb./gal. wt.)
☐ Sand-Cement (Concrete) Grout ☐ Bentonite-Sand Slurry " "
☐ Concrete [X] 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	8	12	

6. Comments

G-7 Abandoned by Geiss Soil & Samples, LLC under METCO supervision.

7. Supervision of Work

Name of Person or Firm Doing Filling & Sealing	License #	Date of Filling & Sealing (mm/dd/yyyy)
Eric Dahl/METCO		8/11/2014

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-		9/2/2014

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 [X] Remediation/Redevelopment ☐ Waste Management ☐ Other:

1. Well Location Information

County	WI Unique Well # of Removed Well	Hicap #
FOND DU LAC		

Latitude / Longitude (Degrees and Minutes) 43 ° 38.7 ' N; 88 ° 48.05 ' W — Method Code (see instructions):

¼ / ¼	¼	Section	Township	Range
or Gov't Lot #			N	☐ E ☐ W

Well Street Address: N2828 West Rock River Road

Well City, Village or Town	Well ZIP Code
Waupun	53963-

Subdivision Name	Lot #

Reason For Removal From Service: Sampling Complete

WI Unique Well # of Replacement Well:

2. Facility / Owner Information

Facility Name: Greenfield Property - WI DOT

Facility ID (FID or PWS): 420115520

License/Permit/Monitoring #:

Original Well Owner: Glen Greenfield

Present Well Owner: Glen Greenfield

Mailing Address of Present Owner: N2828 West Rock River Road

City of Present Owner	State	ZIP Code
Waupun	WI	53963-

3. Well / Drillhole / Borehole Information

☐ Monitoring Well ☐ Water Well [X] Borehole / Drillhole

Original Construction Date (mm/dd/yyyy): 8/11/2014

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.)	Casing Diameter (in.)
11	

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	[X] N/A
Liner(s) removed?	☐ Yes	☐ No	[X] N/A
Screen removed?	☐ Yes	☐ No	[X] N/A
Casing left in place?	☐ Yes	☐ No	[X] N/A
Was casing cut off below surface?	☐ Yes	☐ No	[X] N/A
Did sealing material rise to surface?	[X] Yes	☐ No	☐ N/A
Did material settle after 24 hours?	☐ Yes	[X] 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) [X] Other (Explain): Gravity

Sealing Materials: ☐ Neat Cement Grout ☐ Clay-Sand Slurry (11 lb./gal. wt.) ☐ Sand-Cement (Concrete) Grout ☐ Bentonite-Sand Slurry " " ☐ Concrete [X] 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	11	16.5	

6. Comments

G-8 Abandoned by Geiss Soil & Samples, LLC under METCO supervision.

7. Supervision of Work

Name of Person or Firm Doing Filling & Sealing	License #	Date of Filling & Sealing (mm/dd/yyyy)
Eric Dahl/METCO		8/11/2014

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-		9/2/2014

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 [X] Remediation/Redevelopment ☐ Waste Management ☐ Other:

1. Well Location Information

County	WI Unique Well # of Removed Well	Hicap #
FOND DU LAC		

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

43 ° 38.7 ' N

88 ° 48.05 ' W

¼ / ¼	¼	Section	Township	Range
or Gov't Lot #			N	☐ E ☐ W

Well Street Address: N2828 West Rock River Road

Well City, Village or Town	Well ZIP Code
Waupun	53963-

Subdivision Name	Lot #

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

2. Facility / Owner Information

Facility Name: Greenfield Property - WI DOT

Facility ID (FID or PWS): 420115520

License/Permit/Monitoring #:

Original Well Owner: Glen Greenfield

Present Well Owner: Glen Greenfield

Mailing Address of Present Owner: N2828 West Rock River Road

City of Present Owner	State	ZIP Code
Waupun	WI	53963-

3. Well / Drillhole / Borehole Information

☐ Monitoring Well ☐ Water Well [X] Borehole / Drillhole

Original Construction Date (mm/dd/yyyy): 8/11/2014

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.)	Casing Diameter (in.)
12	

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	[X] N/A
Liner(s) removed?	☐ Yes	☐ No	[X] N/A
Screen removed?	☐ Yes	☐ No	[X] N/A
Casing left in place?	☐ Yes	☐ No	[X] N/A
Was casing cut off below surface?	☐ Yes	☐ No	[X] N/A
Did sealing material rise to surface?	[X] Yes	☐ No	☐ N/A
Did material settle after 24 hours?	☐ Yes	[X] 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) [X] Other (Explain): Gravity

Sealing Materials: ☐ Neat Cement Grout ☐ Clay-Sand Slurry (11 lb./gal. wt.) ☐ Sand-Cement (Concrete) Grout ☐ Bentonite-Sand Slurry " " ☐ Concrete [X] 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	12	18	

6. Comments

G-9 Abandoned by Geiss Soil & Samples, LLC under METCO supervision.

7. Supervision of Work

Name of Person or Firm Doing Filling & Sealing	License #	Date of Filling & Sealing (mm/dd/yyyy)
Eric Dahl/METCO		8/11/2014

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-		9/2/2014

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 [X] Remediation/Redevelopment ☐ Waste Management ☐ Other:

1. Well Location Information

County	WI Unique Well # of Removed Well	Hicap #
FOND DU LAC		

Latitude / Longitude (Degrees and Minutes)	Method Code (see instructions)
43 ° 38.7 ' N	
88 ° 48.05 ' W	

¼ / ¼ or Gov't Lot #	¼	Section	Township	Range
			N	☐ E ☐ W

Well Street Address: N2828 West Rock River Road

Well City, Village or Town	Well ZIP Code
Waupun	53963-

Subdivision Name	Lot #

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

2. Facility / Owner Information

Facility Name: Greenfield Property - WI DOT

Facility ID (FID or PWS): 420115520

License/Permit/Monitoring #:

Original Well Owner: Glen Greenfield

Present Well Owner: Glen Greenfield

Mailing Address of Present Owner: N2828 West Rock River Road

City of Present Owner	State	ZIP Code
Waupun	WI	53963-

3. Well / Drillhole / Borehole Information

☐ Monitoring Well ☐ Water Well [X] Borehole / Drillhole

Original Construction Date (mm/dd/yyyy): 8/11/2014

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.)	Casing Diameter (in.)
11	

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	[X] N/A
Liner(s) removed?	☐ Yes	☐ No	[X] N/A
Screen removed?	☐ Yes	☐ No	[X] N/A
Casing left in place?	☐ Yes	☐ No	[X] N/A
Was casing cut off below surface?	☐ Yes	☐ No	[X] N/A
Did sealing material rise to surface?	[X] Yes	☐ No	☐ N/A
Did material settle after 24 hours?	☐ Yes	[X] 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) [X] Other (Explain): Gravity

Sealing Materials: ☐ Neat Cement Grout ☐ Sand-Cement (Concrete) Grout ☐ Concrete ☐ Clay-Sand Slurry (11 lb./gal. wt.) ☐ Bentonite-Sand Slurry " " [X] Bentonite Chips

For Monitoring Wells and Monitoring Well Boreholes Only: ☐ Bentonite Chips ☐ Granular Bentonite ☐ Bentonite - Cement Grout ☐ Bentonite - Sand Slurry

5. Material Used To Fill Well / Drillhole

	From (ft.)	To (ft.)	Pounds	
Bentonite Chips	Surface	11	16.5	

6. Comments

G-10 Abandoned by Geiss Soil & Samples, LLC under METCO supervision.

7. Supervision of Work

Name of Person or Firm Doing Filling & Sealing	License #	Date of Filling & Sealing (mm/dd/yyyy)
Eric Dahl/METCO		8/11/2014

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-		9/2/2014

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 [X] Remediation/Redevelopment ☐ Waste Management ☐ Other:

1. Well Location Information

County	WI Unique Well # of Removed Well	Hicap #
FOND DU LAC		

Latitude / Longitude (Degrees and Minutes): 43 ° 38.7 ' N; 88 ° 48.05 ' W — Method Code (see instructions):

¼ / ¼	¼	Section	Township	Range
or Gov't Lot #			N	☐ E ☐ W

Well Street Address: N2828 West Rock River Road

Well City, Village or Town	Well ZIP Code
Waupun	53963-

Subdivision Name	Lot #

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

3. Well / Drillhole / Borehole Information

☐ Monitoring Well ☐ Water Well [X] Borehole / Drillhole

Original Construction Date (mm/dd/yyyy): 8/11/2014

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.)	Casing Diameter (in.)
7	

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)

2. Facility / Owner Information

Facility Name: Greenfield Property - WI DOT

Facility ID (FID or PWS): 420115520

License/Permit/Monitoring #:

Original Well Owner: Glen Greenfield

Present Well Owner: Glen Greenfield

Mailing Address of Present Owner: N2828 West Rock River Road

City of Present Owner	State	ZIP Code
Waupun	WI	53963-

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

Pump and piping removed?	☐ Yes	☐ No	[X] N/A
Liner(s) removed?	☐ Yes	☐ No	[X] N/A
Screen removed?	☐ Yes	☐ No	[X] N/A
Casing left in place?	☐ Yes	☐ No	[X] N/A
Was casing cut off below surface?	☐ Yes	☐ No	[X] N/A
Did sealing material rise to surface?	[X] Yes	☐ No	☐ N/A
Did material settle after 24 hours?	☐ Yes	[X] 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) [X] Other (Explain): Gravity

Sealing Materials: ☐ Neat Cement Grout ☐ Clay-Sand Slurry (11 lb./gal. wt.) ☐ Sand-Cement (Concrete) Grout ☐ Bentonite-Sand Slurry " " ☐ Concrete [X] 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	7	10.5	

6. Comments

G-11 Abandoned by Geiss Soil & Samples, LLC under METCO supervision.

7. Supervision of Work

Name of Person or Firm Doing Filling & Sealing	License #	Date of Filling & Sealing (mm/dd/yyyy)
Eric Dahl/METCO		8/11/2014

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-		9/2/2014

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 [X] Remediation/Redevelopment ☐ Waste Management ☐ Other:

1. Well Location Information

County	WI Unique Well # of Removed Well	Hicap #
FOND DU LAC		

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

43 ° 38.7 ' N

88 ° 48.05 ' W

¼ / ¼	¼	Section	Township	Range
or Gov't Lot #			N	☐ E ☐ W

Well Street Address: N2828 West Rock River Road

Well City, Village or Town	Well ZIP Code
Waupun	53963-

Subdivision Name	Lot #

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

2. Facility / Owner Information

Facility Name: Greenfield Property - WI DOT

Facility ID (FID or PWS): 420115520

License/Permit/Monitoring #:

Original Well Owner: Glen Greenfield

Present Well Owner: Glen Greenfield

Mailing Address of Present Owner: N2828 West Rock River Road

City of Present Owner	State	ZIP Code
Waupun	WI	53963-

3. Well / Drillhole / Borehole Information

☐ Monitoring Well
☐ Water Well
[X] Borehole / Drillhole

Original Construction Date (mm/dd/yyyy): 8/11/2014

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.)	Casing Diameter (in.)
12	

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	[X] N/A
Liner(s) removed?	☐ Yes	☐ No	[X] N/A
Screen removed?	☐ Yes	☐ No	[X] N/A
Casing left in place?	☐ Yes	☐ No	[X] N/A
Was casing cut off below surface?	☐ Yes	☐ No	[X] N/A
Did sealing material rise to surface?	[X] Yes	☐ No	☐ N/A
Did material settle after 24 hours?	☐ Yes	[X] 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) [X] Other (Explain): Gravity

Sealing Materials
☐ Neat Cement Grout ☐ Clay-Sand Slurry (11 lb./gal. wt.)
☐ Sand-Cement (Concrete) Grout ☐ Bentonite-Sand Slurry " "
☐ Concrete [X] 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	12	18	

6. Comments

G-12 Abandoned by Geiss Soil & Samples, LLC under METCO supervision.

7. Supervision of Work

Name of Person or Firm Doing Filling & Sealing	License #	Date of Filling & Sealing (mm/dd/yyyy)
Eric Dahl/METCO		8/11/2014

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-		9/2/2014

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 [X] Remediation/Redevelopment ☐ Waste Management ☐ Other:

1. Well Location Information

County	WI Unique Well # of Removed Well	Hicap #
FOND DU LAC		

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

43 ° 38.7 ' N

88 ° 48.05 ' W

¼ / ¼	¼	Section	Township	Range	
or Gov't Lot #			N		☐ E ☐ W

Well Street Address: N2828 West Rock River Road

Well City, Village or Town	Well ZIP Code
Waupun	53963-

Subdivision Name	Lot #

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

2. Facility / Owner Information

Facility Name: Greenfield Property - WI DOT

Facility ID (FID or PWS): 420115520

License/Permit/Monitoring #:

Original Well Owner: Glen Greenfield

Present Well Owner: Glen Greenfield

Mailing Address of Present Owner: N2828 West Rock River Road

City of Present Owner	State	ZIP Code
Waupun	WI	53963-

3. Well / Drillhole / Borehole Information

☐ Monitoring Well ☐ Water Well [X] Borehole / Drillhole

Original Construction Date (mm/dd/yyyy): 8/11/2014

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.)	Casing Diameter (in.)
11	

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	[X] N/A
Liner(s) removed?	☐ Yes	☐ No	[X] N/A
Screen removed?	☐ Yes	☐ No	[X] N/A
Casing left in place?	☐ Yes	☐ No	[X] N/A
Was casing cut off below surface?	☐ Yes	☐ No	[X] N/A
Did sealing material rise to surface?	[X] Yes	☐ No	☐ N/A
Did material settle after 24 hours?	☐ Yes	[X] 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) [X] Other (Explain): Gravity

Sealing Materials

☐ Neat Cement Grout ☐ Clay-Sand Slurry (11 lb./gal. wt.)
☐ Sand-Cement (Concrete) Grout ☐ Bentonite-Sand Slurry " "
☐ Concrete [X] 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	11	16.5	

6. Comments

G-13 Abandoned by Geiss Soil & Samples, LLC under METCO supervision.

7. Supervision of Work

Name of Person or Firm Doing Filling & Sealing	License #	Date of Filling & Sealing (mm/dd/yyyy)
Eric Dahl/METCO		8/11/2014

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-		9/2/2014

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 [X] Remediation/Redevelopment ☐ Waste Management ☐ Other:

1. Well Location Information

County	Wi Unique Well # of Removed Well	Hicap #
FOND DU LAC		

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

43 ° 38.7 ' N

88 ° 48.05 ' W

¼ / ¼ or Gov't Lot #	¼	Section	Township	Range	
			N		☐ E ☐ W

Well Street Address: N2828 West Rock River Road

Well City, Village or Town	Well ZIP Code
Waupun	53963-

Subdivision Name — Lot #

Reason For Removal From Service: Sampling Complete

Wi Unique Well # of Replacement Well:

2. Facility / Owner Information

Facility Name: Greenfield Property - WI DOT

Facility ID (FID or PWS): 420115520

License/Permit/Monitoring #:

Original Well Owner: Glen Greenfield

Present Well Owner: Glen Greenfield

Mailing Address of Present Owner: N2828 West Rock River Road

City of Present Owner	State	ZIP Code
Waupun	WI	53963-

3. Well / Drillhole / Borehole Information

☐ Monitoring Well ☐ Water Well [X] Borehole / Drillhole

Original Construction Date (mm/dd/yyyy): 8/11/2014

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.)	Casing Diameter (in.)
11	
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	[X] N/A
Liner(s) removed?	☐ Yes	☐ No	[X] N/A
Screen removed?	☐ Yes	☐ No	[X] N/A
Casing left in place?	☐ Yes	☐ No	[X] N/A
Was casing cut off below surface?	☐ Yes	☐ No	[X] N/A
Did sealing material rise to surface?	[X] Yes	☐ No	☐ N/A
Did material settle after 24 hours?	☐ Yes	[X] 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) [X] Other (Explain): Gravity

Sealing Materials

☐ Neat Cement Grout ☐ Clay-Sand Slurry (11 lb./gal. wt.)
☐ Sand-Cement (Concrete) Grout ☐ Bentonite-Sand Slurry " "
☐ Concrete [X] 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	11	16.5	

6. Comments

G-14 Abandoned by Geiss Soil & Samples, LLC under METCO supervision.

7. Supervision of Work

Name of Person or Firm Doing Filling & Sealing	License #	Date of Filling & Sealing (mm/dd/yyyy)
Eric Dahl/METCO		8/11/2014

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-		9/2/2014

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 [X] Remediation/Redevelopment ☐ Waste Management ☐ Other:

1. Well Location Information

County	WI Unique Well # of Removed Well	Hicap #
FOND DU LAC		

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

43 ° 38.7 ' N

88 ° 48.05 ' W

¼ / ¼ or Gov't Lot #	¼	Section	Township	Range
			N	☐ E ☐ W

Well Street Address: N2828 West Rock River Road

Well City, Village or Town	Well ZIP Code
Waupun	53963-

Subdivision Name | Lot #

Reason For Removal From Service: Sampling Complete

WI Unique Well # of Replacement Well

2. Facility / Owner Information

Facility Name: Greenfield Property - WI DOT

Facility ID (FID or PWS): 420115520

License/Permit/Monitoring #

Original Well Owner: Glen Greenfield

Present Well Owner: Glen Greenfield

Mailing Address of Present Owner: N2828 West Rock River Road

City of Present Owner	State	ZIP Code
Waupun	WI	53963-

3. Well / Drillhole / Borehole Information

☐ Monitoring Well ☐ Water Well [X] Borehole / Drillhole

Original Construction Date (mm/dd/yyyy): 8/11/2014

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.)	Casing Diameter (in.)
7	
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	[X] N/A
Liner(s) removed?	☐ Yes	☐ No	[X] N/A
Screen removed?	☐ Yes	☐ No	[X] N/A
Casing left in place?	☐ Yes	☐ No	[X] N/A
Was casing cut off below surface?	☐ Yes	☐ No	[X] N/A
Did sealing material rise to surface?	[X] Yes	☐ No	☐ N/A
Did material settle after 24 hours?	☐ Yes	[X] 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) [X] Other (Explain): Gravity

Sealing Materials

☐ Neat Cement Grout ☐ Clay-Sand Slurry (11 lb./gal. wt.) ☐ Sand-Cement (Concrete) Grout ☐ Bentonite-Sand Slurry " " ☐ Concrete [X] 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	7	10.5	

6. Comments

G-15 Abandoned by Geiss Soil & Samples, LLC under METCO supervision.

7. Supervision of Work

Name of Person or Firm Doing Filling & Sealing	License #	Date of Filling & Sealing (mm/dd/yyyy)
Eric Dahl/METCO		8/11/2014

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: 9/2/2014

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

10-30 20 15

CUSTOMER
Glendon Greenfield c/o Metco
709 Gillette St
La Crosse WI 54603

JOB NAME
Greenfield Property
Waupun WI

☐ CASH ☐ CHECK #________ ☒ IN-HOUSE ACCOUNT

QUANTITY DATE	QUANTITY SHIPPED	DESCRIPTION	QTY.	UNIT PRICE		AMOUNT	
	1	Mobilization	1	274	–	274	–
	2	Haul soil drums to Advanced Disposal - Eau Claire WI	2	103	–	206	–
	1	Haul water drum to Advanced Disposal / Eau Claire WI	1	40	10	40	10
		Thank You					
		[signature]					
				TOTAL		520	10

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

SIGNATURE ______________________

139

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)
ca = cancer; nc = non-cancer; Csat = soil saturation concentration; ceiling = 10%
* If web-calculator result or Csat exceeds 10% by weight (the ceiling limit concentration defined in RSL Users Guide), Not-to-Exceed D-C RCL defaults to 100,000 ppm. Basis: ca
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 672

Site Name:

Sample ID

Contaminant	CAS Number	NC RCL (mg/kg)	C RCL (mg/kg)	Not-To-Exceed D-C RCL (mg/kg)	Basis	INPUT Site Data (mg/kg)	Flag Individual Exceedance	Hazard Quotient (HQ) from Data	Cancer Risk (CR) from Data
Benzene	71-43-2	111	1.49	1.49	ca				
Ethylbenzene	100-41-4	4220	7.47	7.47	ca				
Toluene	108-88-3	5300	-	818	Csat				
Xylenes	1330-20-7	890		258	Csat				
Methyl tert-Butyl Ether (MTBE)	1634-04-4	23800	59.4	59.4	ca				
Dichloroethane, 1,2-	107-06-2	46.7	0.61	0.61	ca				
Dibromoethane, 1,2-	106-93-4	107	0.05	0.05	ca				
Trichloroethylene	79-01-6	6.05	0.64	0.64	ca				
Tetrachloroethylene	127-18-4	115	30.7	30.7	ca				
Vinyl Chloride	75-01-4	93.3	0.07	0.07	ca				
Dichloroethylene, 1,1-	75-35-4	342		342	nc				
Dichloroethylene, 1,2-trans	156-60-5	211		211	nc				
Dichloroethylene, 1,2-cis-	156-59-2	156		156	nc				
Trichloroethane, 1,1,1-	71-55-6	12300	-	640	Csat				
Carbon Tetrachloride	56-23-5	137	0.85	0.85	ca				
Trimethylbenzene, 1,2,4-	95-63-6	89.8	-	89.8	nc				
Trimethylbenzene, 1,3,5-	108-67-8	782	-	182	Csat				
Naphthalene	91-20-3	188	5.15	5.15	ca				
Benzo[a]pyrene	50-32-8	-	0.01	0.01	ca				
Acenaphthene	83-32-9	3440	-	3440	nc				
Anthracene	120-12-7	17200	-	17200	nc				
Benz[a]anthracene	56-55-3	-	0.15	0.15	ca				
Benzo[j]fluoranthene	205-82-3	-	0.38	0.38	ca				
Benzo[b]fluoranthene	205-99-2	-	0.15	0.15	ca				
Benzo[k]fluoranthene	207-08-9	-	1.48	1.48	ca				
Chrysene	218-01-9	-	14.8	14.8	ca				
Dibenz[a,h]anthracene	53-70-3	-	0.01	0.01	ca				
Dibenzo(a,e)pyrene	192-65-4	-	0.04	0.04	ca				
Dimethylbenz[a]anthracene, 7,12-	57-97-6	-	0	0	ca				
Fluoranthene	206-44-0	2290	-	2290	nc				
Fluorene	86-73-7	2290	-	2290	nc				
Indeno[1,2,3-cd]pyrene	193-39-5	-	0.15	0.15	ca				
Methylnaphthalene, 1-	90-12-0	4010	15.6	15.6	ca				
Methylnaphthalene, 2-	91-57-6	229	-	229	nc				
Nitropyrene, 4-	57835-92-4	-	0.38	0.38	ca				
Pyrene	129-00-0	1720	-	1720	nc				
Cadmium (Diet)	7440-43-9	70.2	2110	70.2	nc				
Lead and Compounds	7439-92-1	400	-	400	nc				
Test1Chem(DRO)	Wis. DRO			100					
Test2Chem(GRO)	Wis. GRO			100					

Comparison / Hazard Index / Cumulative Cancer Risk

Target CR Used: 1.00E-05

Type BRRTS No. Here (If Known)

Exceedance Count / Hazard Index / Cumulative Cancer Risk: 0 | 0.00E+00 | 0.0E+00

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

Bottom-Line: Soil Data Entry Needed!

Residual Contaminant Levels Protective of Groundwater Quality

[illegible]

NR140 Substance	NR 140 CAS	Fed MCL (ug/l) (If Fed MCL < ES)	NR 140 ES (ug/l)	RCL-gw (mg/kg) DF=1	Use 2, or input the calculated site-specific DF --> 2.00	INPUT NUMERIC Site Data Max (mg/kg)	Flag E = Individual Exceedance	Type BRRTS No Here (If Known). Assess groundwater levels separately.
Acetochlor	34256-82-1		7	5.58E-03				
Acetone	67-64-1		9000	1.85E+00				
Alachlor	15972-60-8	2	2	1.65E-03				
Aldicarb	116-06-3	3	10	2.49E-03				
Aluminum	7429-90-5	-	200	3.01E+02				
Antimony	7440-36-0	6	6	2.71E-01				
Anthracene	120-12-7	-	3000	9.84E+01				
Arsenic	7440-38-2	10	10	2.92E-01				
Atrazine, total chlorinated residues	1912-24-9	3	3	1.95E-03				
Barium	7440-39-3	2000	2000	8.24E+01				
Bentazon	25057-89-0	-	300	6.59E-02				
Benzene	71-43-2	5	5	2.56E-03				
Benzo(a)pyrene (PAH)	50-32-8	0.2	0.2	2.35E-01				
Benzo(b)fluoranthene (PAH)	205-99-2	-	0.2	2.40E-01				
Beryllium	7440-41-7	4	4	3.16E+00				
Boron	7440-42-8	-	1000	3.20E+00				
Bromodichloromethane (THM)	75-27-4	80	0.6	1.63E-04				
Bromoform (THM)	75-25-2	80	4.4	1.17E-03				
Bromomethane	74-83-9	-	10	2.53E-03				
Butylate	2008-41-5	-	400	3.88E-01				
Cadmium	7440-43-9	5	5	3.76E-01				
Carbaryl	63-25-2	-	40	3.64E-02				
Carbofuran	1563-66-2	40	40	1.56E-02				
Carbon disulfide	75-15-0	-	1000	2.97E-01				
Carbon tetrachloride	56-23-5	5	5	1.94E-03				
Chloramben	133-90-4	-	150	3.63E-02				
Chlorodifluoromethane	75-45-6	-	7000	2.89E+00				
Chloroethane	75-00-3	-	400	1.13E-01				
Chloroform (THM)	67-66-3	80	6	1.67E-03				
Chlorpyrifos	2921-88-2	-	2	2.95E-02				
Chloromethane	74-87-3	-	30	7.76E-03				
Chromium (total)	7440-47-3	100	100	1.80E+05				Re-assess if Cr-VI present
Chrysene (PAH)	218-01-9	-	0.2	7.25E-02				
Cobalt	7440-48-4	-	40	1.81E+00				
Copper	7440-50-8	1300	1300	4.58E+01				
Cyanazine	21725-46-2	-	1	4.68E-04				
Cyanide, free	57-12-5	200	200	2.02E+00				
Dacthal (DCPA)	1861-32-1	-	70	8.56E-02				
1,2-Dibromoethane	106-93-4	0.05	0.05	1.41E-05				
Dibromochloromethane (THM)	124-48-1	80	60	1.60E-02				
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	0.2	0.2	6.64E-05				
Dibutyl phthalate	84-74-2	-	1000	2.52E+00				
Dicamba	1918-00-9	-	300	7.76E-02				
1,2-Dichlorobenzene	95-50-1	600	600	5.84E-01				
1,3-Dichlorobenzene	541-73-1	-	600	5.76E-01				
1,4-Dichlorobenzene	106-46-7	75	75	7.20E-02				
Dichlorodifluoromethane	75-71-8	-	1000	1.54E+00				
1,1-Dichloroethane	75-34-3	-	850	2.42E-01				
1,2-Dichloroethane	107-06-2	5	5	1.42E-03				
1,1-Dichloroethylene	75-35-4	7	7	2.51E-03				
1,2-Dichloroethylene (cis)	156-59-2	70	70	2.06E-02				
1,2-Dichloroethylene (trans)	156-60-5	100	100	2.94E-02				
2,4-Dichlorophenoxyacetic acid (2,4-D)	94-75-7	70	70	1.81E-02				
1,2-Dichloropropane	78-87-5	5	5	1.66E-03				
1,3-Dichloropropene (cis/trans) (Telone)	542-75-6	-	0.4	1.43E-04				
Di (2-ethylhexyl) phthalate	117-81-7	6	6	1.44E+00				
Dimethoate	60-51-5	-	2	4.51E-04				
2,4-Dinitrotoluene	121-14-2	-	0.05	6.76E-05				
2,6-Dinitrotoluene	606-20-2	-	0.05	6.88E-05				
Dinitrotoluene, Total Residues	25321-14-6	-	0.05	6.89E-05				
Dinoseb	88-85-7	7	7	6.15E-02				
1,4-Dioxane (p-dioxane)	123-91-1	-	3	6.18E-04				
Dioxin (2,3,7,8-TCDD)	1746-01-6	0	0	1.50E-05				
Endrin	72-20-8	2	2	8.08E-02				
EPTC	759-94-4	-	250	1.32E-01				

No RSL result for Asbestos

DRAFT

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

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

Site-specific

Resident Equation Inputs for Soil

Variable	Value
TR (target cancer risk) unitless	1.0E-6
ED_r (exposure duration - resident) year	30
ET_{rs} (exposure time - resident) hour	24
ED_c (exposure duration - child) year	6
ED_a (exposure duration - adult) year	24
BW_a (body weight - adult) kg	70
BW_c (body weight - child) kg	15
SA_a (skin surface area - adult) cm^2/day	5700
SA_c (skin surface area - child) cm^2/day	2800
THQ (target hazard quotient) unitless	1
LT (lifetime - resident) year	70
EF_r (exposure frequency) day/year	350
IRS_a (soil intake rate - adult) mg/day	100
IRS_c (soil intake rate - child) mg/day	200
AF_a (skin adherence factor - adult) mg/cm^2	0.07
AF_c (skin adherence factor - child) mg/cm^2	0.2
IFS_{adj} (age-adjusted soil ingestion factor) mg-year/kg-day	114
DFS_{adj} (age-adjusted soil dermal factor) mg-year/kg-day	361
$IFSM_{adj}$ (mutagenic age-adjusted soil ingestion factor) mg-year/kg-day	489.5
$DFSM_{adj}$ (mutagenic age-adjusted soil dermal factor) mg-year/kg-day	1445
ED_{0-2} (exposure duration first phase) year	2
ED_{2-6} (exposure duration second phase) year	4
ED_{6-16} (exposure duration third phase) year	10
ED_{16-30} (exposure duration fourth phase) year	14
City (Climate Zone) PEF Selection	Chicago, IL (7)
A_s (acres) PEF Selection	0.5
Q/C_{wp} (g/m^2-s per kg/m^3) PEF Selection	98.43071
PEF (particulate emission factor) m^3/kg	1560521108
A (PEF Dispersion Constant)	16.8653

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Site-specific

Resident Equation Inputs for Soil

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

ite-specific

esident Screening Levels (RSL) for Soil

=cancer; nc=Noncancer; *=ca (Where nc SL < 100X ca SL)
*=ca (Where nc SL < 10X ca SL); max=SL exceeds ceiling limit (see User's Guide); sat=SL exceeds csat
ax=Soil SL exceeds ceiling limit and has been substituted with the max value (see User's Guide)
at=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)	RfD Ref	Chronic RfC (mg/m^3)	RfC Ref	GIABS	ABS	RBA
Benzene	71-43-2	No	Yes	5.50E-02	I	7.80E-06	I	4.00E-03	I	3.00E-02	I	1	-	1
Cadmium (Diet)	7440-43-9	No	No	-		1.80E-03	I	1.00E-03	I	1.00E-05	A	0.025	0.001	1
Carbon Tetrachloride	56-23-5	No	Yes	7.00E-02	I	6.00E-06	I	4.00E-03	I	1.00E-01	I	1	-	1
Dibromoethane, 1,2-	106-93-4	No	Yes	2.00E+00	I	6.00E-04	I	9.00E-03	I	9.00E-03	I	1	-	1
Dichloroethane, 1,2-	107-06-2	No	Yes	9.10E-02	I	2.60E-05	I	6.00E-03	X	7.00E-03	P	1	-	1
Dichloroethylene, 1,1-	75-35-4	No	Yes	-		-		5.00E-02	I	2.00E-01	I	1	-	1
Dichloroethylene, 1,2-cis-	156-59-2	No	Yes	-		-		2.00E-03	I	-		1	-	1
Dichloroethylene, 1,2-trans-	156-60-5	No	Yes	-		-		2.00E-02	I	6.00E-02	P	1	-	1
Ethylbenzene	100-41-4	No	Yes	1.10E-02	C	2.50E-06	C	1.00E-01	I	1.00E+00	I	1	-	1
Lead and Compounds	7439-92-1	No	No	-		-		-		-		1	-	1
Methyl tert-Butyl Ether (MTBE)	1634-04-4	No	Yes	1.80E-03	C	2.60E-07	C	-		3.00E+00	I	1	-	1
Acenaphthene	83-32-9	No	Yes	-		-		6.00E-02	I	-		1	0.13	1
Anthracene	120-12-7	No	Yes	-		-		3.00E-01	I	-		1	0.13	1
Benz[a]anthracene	56-55-3	Yes	No	7.30E-01	W	1.10E-04	C	-		-		1	0.13	1
Benzo(j)fluoranthene	205-82-3	No	No	1.20E+00	C	1.10E-04	C	-		-		1	0.13	1
Benzo[a]pyrene	50-32-8	Yes	No	7.30E+00	I	1.10E-03	C	-		-		1	0.13	1
Benzo[b]fluoranthene	205-99-2	Yes	No	7.30E-01	W	1.10E-04	C	-		-		1	0.13	1
Benzo[k]fluoranthene	207-08-9	Yes	No	7.30E-02	W	1.10E-04	C	-		-		1	0.13	1
Chrysene	218-01-9	Yes	No	7.30E-03	W	1.10E-05	C	-		-		1	0.13	1
Dibenz[a,h]anthracene	53-70-3	Yes	No	7.30E+00	W	1.20E-03	C	-		-		1	0.13	1
Dibenzo(a,e)pyrene	192-65-4	No	No	1.20E+01	C	1.10E-03	C	-		-		1	0.13	1
Dimethylbenz(a)anthracene, 7,12-	57-97-6	Yes	No	2.50E+02	C	7.10E-02	C	-		-		1	0.13	1
Fluoranthene	206-44-0	No	No	-		-		4.00E-02	I	-		1	0.13	1
Fluorene	86-73-7	No	Yes	-		-		4.00E-02	I	-		1	0.13	1
Indeno[1,2,3-cd]pyrene	193-39-5	Yes	No	7.30E-01	W	1.10E-04	C	-		-		1	0.13	1
Methylnaphthalene, 1-	90-12-0	No	Yes	2.90E-02	P	-		7.00E-02	A	-		1	0.13	1
Methylnaphthalene, 2-	91-57-6	No	Yes	-		-		4.00E-03	I	-		1	0.13	-
Naphthalene	91-20-3	No	Yes	-		3.40E-05	C	2.00E-02	I	3.00E-03	I	1	0.13	1

Site-specific

Resident Screening Levels (RSL) for Soil

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

Chemical	Volatilization Factor (m^3/kg)	Soil Saturation Concentration (mg/kg)	Particulate Emission Factor (m^3/kg)	Ingestion SL 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)	Ingestion SL Child HQ=1 (mg/kg)	Dermal SL Child HQ=1 (mg/kg)	Inhalation SL Child HQ=1 (mg/kg)
Benzene	5.49E+03	1.82E+03	1.56E+09	1.16E+01		1.71E+00	1.49E+00	3.13E+02	-	1.72E+02
Cadmium (Diet)	-	-	1.56E+09	-	-	2.11E+03	2.11E+03	7.82E+01	6.98E+02	1.63E+04
Carbon Tetrachloride	2.32E+03	4.58E+02	1.56E+09	9.15E+00		9.42E-01	8.54E-01	3.13E+02		2.42E+02
Dibromoethane, 1,2-	1.34E+04	1.34E+03	1.56E+09	3.20E-01	-	5.45E-02	4.65E-02	7.04E+02	-	1.26E+02
Dichloroethane, 1,2-	7.15E+03	2.98E+03	1.56E+09	7.04E+00		6.65E-01	6.08E-01	4.69E+02		5.19E+01
Dichloroethylene, 1,1-	1.80E+03	1.19E+03	1.56E+09	-	-	-	-	3.91E+03	-	3.75E+02
Dichloroethylene, 1,2-cis-	3.58E+03	2.37E+03	1.56E+09					1.56E+02		
Dichloroethylene, 1,2-trans-	3.90E+03	1.67E+03	1.56E+09	-	-	-	-	1.56E+03	-	2.44E+02
Ethylbenzene	8.81E+03	4.80E+02	1.56E+09	5.82E+01		8.57E+00	7.47E+00	7.82E+03		9.18E+03
Lead and Compounds	-	-	1.56E+09	-	-	-	-	-	-	-
Methyl tert-Butyl Ether (MTBE)	7.62E+03	8.87E+03	1.56E+09	3.56E+02		7.13E+01	5.94E+01			2.38E+04
Acenaphthene	2.19E+05	-	1.56E+09	-	-	-	-	4.69E+03	1.29E+04	-
Anthracene	8.13E+05		1.56E+09					2.35E+04	6.45E+04	-
Benz[a]anthracene	-	-	1.56E+09	2.04E-01	5.32E-01	1.36E+04	1.48E-01	-	-	-
Benzo(j)fluoranthene			1.56E+09	5.34E-01	1.20E+00	3.45E+04	3.78E-01			-
Benzo[a]pyrene	-	-	1.56E+09	2.04E-02	5.32E-02	1.36E+03	1.48E-02	-	-	-
Benzo[b]fluoranthene			1.56E+09	2.04E-01	5.32E-01	1.36E+04	1.48E-01	-	-	-
Benzo[k]fluoranthene	-	-	1.56E+09	2.04E+00	5.32E+00	1.36E+04	1.48E+00	-	-	-
Chrysene			1.56E+09	2.04E+01	5.32E+01	1.36E+05	1.48E+01			-
Dibenz[a,h]anthracene	-	-	1.56E+09	2.04E-02	5.32E-02	1.25E+03	1.48E-02	-	-	-
Dibenzo(a,e)pyrene			1.56E+09	5.34E-02	1.30E-01	3.45E+03	3.78E-02		-	-
Dimethylbenz(a)anthracene, 7,12-	-	-	1.56E+09	5.97E-04	1.55E-03	2.11E+01	4.31E-04	-	-	-
Fluoranthene			1.56E+09					3.13E+03	8.59E+03	-
Fluorene	4.37E+05	-	1.56E+09	-	-	-	-	3.13E+03	8.59E+03	-
Indeno[1,2,3-cd]pyrene			1.56E+09	2.04E-01	5.32E-01	1.36E+04	1.48E-01			-
Methylnaphthalene, 1-	9.11E+04	-	1.56E+09	2.21E+01	5.36E+01	-	1.56E+01	5.48E+03	1.50E+04	-
Methylnaphthalene, 2-	9.01E+04		1.56E+09					3.13E+02	8.59E+02	
Naphthalene	7.20E+04	-	1.56E+09	-	-	5.15E+00	5.15E+00	1.56E+03	4.30E+03	2.25E+02

Site-specific

Resident Screening Levels (RSL) for Soil

[illegible] sat = SL exceeds csat [illegible] See User's Guide [illegible]

Chemical	Noncarcinogenic SL Child HI=1 (mg/kg)	Ingestion SL Adult HQ=1 (mg/kg)	Dermal SL Adult HQ=1 (mg/kg)	Inhalation SL Adult HQ=1 (mg/kg)	Noncarcinogenic SL Adult HI=1 (mg/kg)	Screening Level (mg/kg)
Benzene	1.11E+02	2.92E+03	-	1.72E+02	1.62E+02	1.49E+00 ca
Cadmium (Diet)	7.00E+01	7.30E+02	4.57E+03	1.63E+04	6.06E+02	7.00E+01 nc
Carbon Tetrachloride	1.37E+02	2.92E+03	-	2.42E+02	2.24E+02	8.54E-01 ca
Dibromoethane, 1,2-	1.07E+02	6.57E+03	-	1.26E+02	1.24E+02	4.65E-02 ca
Dichloroethane, 1,2-	4.67E+01	4.38E+03	-	5.19E+01	5.13E+01	6.08E-01 ca
Dichloroethylene, 1,1-	3.42E+02	3.65E+04	-	3.75E+02	3.71E+02	3.42E+02 nc
Dichloroethylene, 1,2-cis-	1.56E+02	1.46E+03	-	-	1.46E+03	1.56E+02 nc
Dichloroethylene, 1,2-trans-	2.11E+02	1.46E+04	-	2.44E+02	2.40E+02	2.11E+02 nc
Ethylbenzene	4.22E+03	7.30E+04	-	9.18E+03	8.16E+03	7.47E+00 ca
Lead and Compounds	-	-	-	-	-	4.00E+02 nc
Methyl tert-Butyl Ether (MTBE)	2.38E+04	-	-	2.38E+04	2.38E+04	5.94E+01 ca
Acenaphthene	3.44E+03	4.38E+04	8.44E+04	-	2.88E+04	3.44E+03 nc
Anthracene	1.72E+04	2.19E+05	4.22E+05	-	1.44E+05	1.72E+04 nc
Benz[a]anthracene	-	-	-	-	-	1.48E-01 ca
Benzo(b)fluoranthene	-	-	-	-	-	[illegible]
Benzo[a]pyrene	-	-	-	-	-	1.48E-02 ca
Benzo(j)fluoranthene	-	-	-	-	-	[illegible]
Benzo[k]fluoranthene	-	-	-	-	-	1.48E+00 ca
Chrysene	-	-	-	-	-	[illegible]
Dibenz[a,h]anthracene	-	-	-	-	-	1.48E-02 ca
Dibenzo(a,e)pyrene	-	-	-	-	-	[illegible]
Dimethylbenz(a)anthracene, 7,12-	-	-	-	-	-	[illegible]
Fluoranthene	2.29E+03	2.92E+04	5.63E+04	-	1.92E+04	2.29E+03 nc
Fluorene	2.29E+03	2.92E+04	5.63E+04	-	1.92E+04	2.29E+03 nc
Indeno[1,2,3-cd]pyrene	-	-	-	-	-	1.48E-01 ca
Methylnaphthalene, 1-	4.01E+03	5.11E+04	9.85E+04	-	3.36E+04	[illegible]
Methylnaphthalene, 2-	2.29E+02	2.92E+03	5.63E+03	-	1.92E+03	2.29E+02 nc
Naphthalene	1.88E+02	1.46E+04	2.81E+04	2.25E+02	2.20E+02	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

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Site-specific

Resident Screening Levels (RSL) for Soil
c=Cancer; nc=Noncancer; ca* (Where nc SL < 100X ca SL);
ca** (Where nc SL < 10X ca SL); max = SL exceeds ceiling limit (see User's Guide); sat = SL exceeds csat
max = Soil SL exceeds ceiling limit and has been substituted with the max value (see User's Guide)
sat = 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)	RfD Ref	Chronic RfC (mg/m^3)	RfC Ref	GIABS	ABS	RBA
Nitropyrene, 4-	57835-92-4	No	No	1.20E+00	C	1.10E-04	C	-		-		1	0.13	1
Pyrene	129-00-0	No	Yes	-		-		3.00E-02	I	-		1	0.13	1
Tetrachloroethylene	127-18-4	No	Yes	2.10E-03	I	2.60E-07	I	6.00E-03	I	4.00E-02	I	1	-	1
Toluene	108-88-3	No	Yes	-		-		8.00E-02	I	5.00E+00	I	1	-	1
Trichloroethane, 1,1,1-	71-55-6	No	Yes					2.00E+00	I	5.00E+00	I	1	-	1
Trichloroethylene	79-01-6	Yes	Yes	4.60E-02	I	4.10E-06	I	5.00E-04	I	2.00E-03	I	1	-	1
Trimethylbenzene, 1,2,4-	95-63-6	No	Yes					-		7.00E-03	P	1	-	1
Trimethylbenzene, 1,3,5-	108-67-8	No	Yes	-		-		1.00E-02	X	-		1	-	1
Vinyl Chloride	75-01-4	Yes	Yes	7.20E-01	I	4.40E-06	I	3.00E-03	I	1.00E-01	I	1	-	1
Xylenes	1330-20-7	No	Yes	-		-		2.00E-01	I	1.00E-01	I	1	-	1

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

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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 SL

Chemical	Noncarcinogenic SL Child HI=1 (mg/kg)	Ingestion SL Adult HQ=1 (mg/kg)	Dermal SL Adult HQ=1 (mg/kg)	Inhalation SL Adult HQ=1 (mg/kg)	Noncarcinogenic SL Adult HI=1 (mg/kg)	Screening Level (mg/kg)
Nitropyrene, 4-						8.78E-01 ca
Pyrene	1.72E+03	2.19E+04	4.22E+04	-	1.44E+04	1.72E+03 nc
Tetrachloroethylene	1.15E+02	4.38E+03	-	1.52E+02	1.47E+02	5.07E+01 ca**
Toluene	5.30E+03	5.84E+04	-	3.47E+04	2.18E+04	5.30E+03 sat
Trichloroethane, 1,1,1-	1.23E+04	1.46E+06	-	1.34E+04	1.32E+04	1.23E+04 sat
Trichloroethylene	6.05E+00	3.65E+02	-	7.16E+00	7.02E+00	6.44E-01 ca**
Trimethylbenzene, 1,2,4-	8.98E+01		-	8.98E+01	8.98E+01	8.98E+01 nc
Trimethylbenzene, 1,3,5-	7.82E+02	7.30E+03	-	-	7.30E+03	7.82E+02 sat
Vinyl Chloride	9.33E+01	2.19E+03	-	1.55E+02	1.45E+02	6.71E-02 ca
Xylenes	8.90E+02	1.46E+05	-	9.44E+02	9.37E+02	8.90E+02 sat

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

History: 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. (20d) 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. (1q), (1w), (1y) and (20j) Register June 2003 No. 570, eff. 7-1-03.

Subchapter II — Groundwater Quality Standards

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

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

Table 1
Public Health Groundwater Quality Standards

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

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
Diethyl	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 07–034: am. Table 1 Register January 2008 No. 625, eff. 2–1–08; CR 09–102: am. Table 1 Register December 2010 No. 660, eff. 1–1–11.

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

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

Table 2
Public Welfare Groundwater Quality Standards

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

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

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

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

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

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

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

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

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

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

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

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

A.7. Other
Greenfield Property – WI DOT
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)
9/23/2015	910.00	904.00	44	0.1363636
12/21/2015	912.00	906.00	62	0.0967742
Average				0.1165689

	K (m/yr)	I	n	Flow Velocity (m/yr)
Hydraulic Conductivity (High)	3.15E+01	0.1165689	0.3	12.23973
Hydraulic Conductivity (Low)	3.15E-001	0.1165689	0.3	0.12240

APPENDIX F/ QUALIFICATIONS OF METCO PERSONNEL

Ronald J. Anderson, P.G.

Professional Titles

- Senior Hydrogeologist
- Project Manager

Credentials

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

Education

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

Post-Graduate Education

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

Work Experience

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

Jason T. Powell

Professional Title

- Staff Scientist

Credentials

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

Education

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

Post-Graduate Education

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

Work Experience

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

Eric J. Dahl

Professional Title

- Hydrogeologist

Credentials

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

Education

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

Post-Graduate Education

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

Work Experience

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

Thomas P. Pignet, P.E.

Professional Titles

- Chemical Engineer
- Industrial Engineer

Credentials

- Licensed Professional Engineer in Wisconsin

Education

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

Post-Graduate Education

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

Work Experience

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

Jon Jensen

Professional Title

- Staff Scientist

Credentials

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

Education

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

Work Experience

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

Dillon Plamann

Professional Title

- Hydrogeologist

Credentials

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

Education

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

Work Experience

With METCO since May, 2015 as a Hydrogeologist. Duties include: soil and groundwater sampling, operation and maintenance of remedial systems, geoprobe projects (oversight, direction, and sampling), site mapping, data reduction and analysis, and reporting.

APPENDIX G/ STANDARD OF CARE

Site Investigation Report - METCO
Greenfield Property

STANDARD OF CARE

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

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

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

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

Jason T. Powell
Staff Scientist

4/12/16
Date

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

Ronald J. Anderson PG
Senior Hydrogeologist/Project Manager

4/12/16
Date