

Site Investigation Report

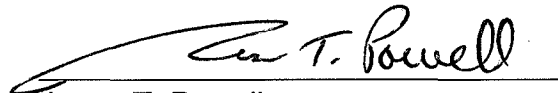
**Shortville Store
W4109 State Highway 73
Neillsville, Wisconsin**

**June 20, 2018
by METCO
WDNR File Reference #: 03-10-000581
PECFA Claim #: 54456-9999-00**

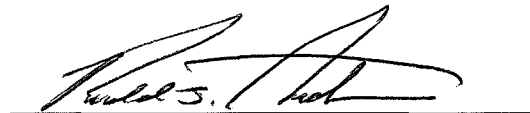


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This document was prepared by:

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

Jason T. Powell
Staff Scientist

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

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



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June 20, 2018

BRRTS #: 03-10-000581

PECFA #: 54456-9999-00

Renee Mortenson
W4109 State Highway 73
Neillsville, WI 54456

Dear Ms. Mortenson,

Enclosed is our "Site Investigation Report" concerning the Shortville Store site at W4109 State Highway 73 in Neillsville, 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.

METCO recommends that the Shortville Store site be "closed" for the following reasons: 1) The extent and degree of petroleum contamination in soil and groundwater has been adequately defined. 2) Free product has never been encountered at the site and groundwater trends appear to be stable. 3) Based on the receptor survey, there does not appear to be any risk to any wells, surface waters, utility corridors, or vapor intrusion receptors. A closure request is being submitted along with this Site Investigation Report.

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

Sincerely,

Jason T. Powell
Staff Scientist

C: Matt Thompson – WDNR

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

EXECUTIVE SUMMARY

The property is located at W4109 STH 73, Neillsville, Clark County, WI. The subject property is a former general store, which also had gasoline UST systems for retail fuel sales. The contamination on the property was caused by a 100 gallon overflow of a 250-gallon leaded gasoline tank in 1984 by Art Drescher (Drescher Oil Co.), and perhaps the tank itself.

On March 13th, 1991, the WDNR received a Phase II investigation report by Aqua-Tech, Inc., on behalf of the Wisconsin Department of Transportation (WisDOT). On May 2-14, 1991, the WDNR sent the WisDOT, Art Drescher, and Carol Mortenson (previous owner of Tom and Renee's property) letters indicating each party's responsibility to investigate and remediate contamination that was found in Aqua-Tech's Phase II environmental investigation.

The WisDOT was deemed responsible to remediate contaminated media in the STH 73 right-of-way. During highway improvements of STH 73, the WisDOT excavated and properly disposed of all contaminated soils in the right-of-way. The WisDOT ceased to be a responsible party after these activities. As confirmed by a site visit and interview with Robert Mortenson on August 13th, 1991 by the WDNR, Art Drescher reportedly overfilled an underground gasoline tank present on the Mortensons' property in 1984 by about 100 gallons. Thus, Art Drescher caused a discharge of gasoline to the environment, was a responsible party, and required by the Wisconsin Spills Law to hire a consultant and conduct an environmental investigation and remedial activities related to the overflow on the Mortensons' property. Carol Mortenson (property owner, now Tom and Renee Mortenson) was sent a letter indicating that she was a responsible party as well, since she possessed and controlled a hazardous substance which has discharged.

Between September 1991 and August 1994, the WDNR pursued enforcement actions against Art Drescher. Due to these enforcement actions, on June 22, 1992, Art Drescher removed the underground gasoline tank that he owned on the Mortensons' property. During the tank removal, Drescher excavated 30 cubic yards of soil from around the tank and replaced the soil with clean fill. The removed soil was tested by an asphalt treatment facility for petroleum constituents. The test results for the soil excavated were below the detection limit. However, the analyses were not completed by a certified lab, and therefore not sufficient for the purposes of a site investigation.

On August 1994, Art Drescher sold his business to his daughter, Marla Raine, who owns Drescher Oil LLC today. However, when a sole proprietor sells his/her business to another person, the sole proprietor can only sell assets of the business, and cannot transfer any liability to the new business owner. Since Drescher was born on March 25th, 1925, he was approaching 70 years old. Sometime between 2001 and 2004, Art Drescher died.

Since the WisDOT completed their responsibilities and Art Drescher was a sole proprietor and died, Mr. and Mrs. Tom and Renee Mortenson who currently own the Shortville Store property were determined to be the responsible party by the WDNR and were required to complete a site investigation.

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

- Local unconsolidated materials generally consist of interbedded layers of clay to sandy clay and fine to coarse grained sand with gravel from surface to at least 15 feet bgs. Sand and gravel/possible fill material was encountered in numerous borings, especially along the roadway from surface to depths ranging from 3 to 12 feet bgs.

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- Possible weathered bedrock was encountered in soil boring MW-6 at 13-15 feet bgs. Granite bedrock is expected to exist at approximately 10-20 feet bgs and extends to at least 355 feet bgs, based on local well construction reports.
- According to data collected from the monitoring wells, the depth to groundwater ranges from 1.42 to 5.44 feet bgs depending on well location and time of year. According to the watertable measurements collected during groundwater sampling, local horizontal groundwater flow in the immediate area of the subject property is generally toward the north/northwest.
- An area of unsaturated soil contamination, which exceeds the NR720 Groundwater RCL's, exists in the area of the removed UST system and appears to measure up to 30 feet long, up to 25 feet wide, and up to 4 feet thick. An area of unsaturated soil contamination exceeding NR720 Non-Industrial Direct Contact RCL values also exists in the area of the removed UST system and appears to measure up to 6 feet in diameter, and up to 4 feet thick.
- A dissolved phase contaminant plume exceeding the NR140 ES and/or PAL has formed at the watertable in the area of the removed UST system and has migrated toward the north/northwest. This plume is approximately 193 feet long and up to 159 feet wide at its widest point.
- Based on the most recent groundwater analytical results, six monitoring wells (MW-1 thru MW-6) show NR140 ES and/or PAL exceedances. However, it should be noted that monitoring wells MW-4, MW-5, and MW-6 showed no detects for all contaminants of concern in the first five sampling events, but showed low level NR140 PAL exceedances for Benzene for the most recent sampling event.
- Based on the receptor survey, there does not appear to be the potential of contaminant migration along any utility corridors, risk of vapor intrusion to any buildings, or risk to any private wells, or surface waters.

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

METCO recommends that the Shortville Store site be "closed" for the following reasons: 1) The extent and degree of petroleum contamination in soil and groundwater has been adequately defined. 2) Free product has never been encountered at the site and groundwater trends appear to be stable. 3) Based on the receptor survey, there does not appear to be any risk to any wells, surface waters, utility corridors, or vapor intrusion receptors. A closure request is being submitted along with this Site Investigation Report.

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Site Investigation Report - METCO

Shortville Store

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

Renee Mortenson
W4109 State Highway 73
Neillsville, WI 54456
(715) 743-4958

1.2 Consultant Information

Consultant

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

Subcontractors

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

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

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

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

Site Investigation Report - METCO Shortville Store

1.3 Site Location

Site Address:

W4109 State Highway 73
Neillsville, Wisconsin

Latitude and Longitude:
44° 29' 41" N and 90° 31' 1" W

WTM Coordinates:
478909, 446937

Township/Range:
NE ¼, NE ¼, Section 8, Township 23 North, Range 1 West, Clark County

1.4 Site History

The property is located at W4109 STH 73, Neillsville, Clark County, WI. The subject property is a former general store, which also had gasoline UST systems for retail fuel sales. The contamination on the property was caused by a 100 gallon overfill of a 250 gallon leaded gasoline tank in 1984 by Art Drescher (Drescher Oil Co.), and perhaps the tank itself.

On March 13th, 1991, the WDNR received a Phase II investigation report by Aqua-Tech, Inc., on behalf of the Wisconsin Department of Transportation (WisDOT). On May 2-14, 1991, the WDNR sent the WisDOT, Art Drescher, and Carol Mortenson (previous owner of Tom and Renee's property) letters indicating each party's responsibility to investigate and remediate contamination that was found in Aqua-Tech's Phase II environmental investigation.

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On August 1994, Art Drescher sold his business to his daughter, Marla Raine, who owns Drescher Oil LLC today. However, when a sole proprietor sells his/her business to another person, the sole proprietor can only sell assets of the business, and cannot transfer any liability to the new business owner. Since Drescher was born on March 25th, 1925, he was approaching 70 years old. Sometime between 2001 and 2004, Art Drescher died.

Since the WisDOT completed their responsibilities and Art Drescher was a sole proprietor and died, Mr. and Mrs. Tom and Renee Mortenson who currently own the Shortville Store property were determined to be the responsible party by the WDNR and were required to complete a site investigation.

2.0 GEOLOGY AND RECEPTORS

2.1 Regional and Local Geology and Hydrogeology

Topography and Regional Setting

According to the USGS Hydrologic Atlas, Neillsville is located in the northern portion of the Trempealeau-Black River Basin. This area is characterized by flat to rolling terrain formed by thin ground moraine on sandstone or crystalline bedrock. This area is mostly flat with widespread swamps.

The elevation of the site is approximately 1,010 feet above Mean Sea Level (MSL). See Appendix A for site location.

Soil and Bedrock

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

Local unconsolidated materials generally consist of interbedded layers of brown to gray to orange clay to sandy clay and gray to tan to white fine to coarse grained sand with gravel from surface to at least 15 feet bgs. Sand and gravel/possible fill material was encountered in numerous borings, especially along the roadway from surface to depths ranging from 3 to 12 feet bgs.

Possible weathered bedrock was encountered in soil boring MW-6 at 13-15 feet bgs. Granite bedrock is expected to exist at approximately 10-20 feet bgs and extends to at least 355 feet bgs, based on local well construction reports.

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

Hydrogeology

According to data collected from the monitoring wells, the depth to groundwater ranges from 1.42 to 5.44 feet bgs depending on well location and time of year.

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

2.2 Receptors

Buildings, Basements, Sumps, and Utility Corridors

The only utility line that exists in the area of residual soil or groundwater contamination is a buried telephone/fiber optic line. Telephone/fiber optic 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 residual soil and groundwater contamination does not extend up to or underneath any buildings. Therefore, there does not appear to be any risk for vapor intrusion.

Municipal and Private Water Supply Wells

The surrounding properties are all served by private potable wells. Distances from the removed gasoline UST systems to the nearby residences which likely have private potable wells are as follows:

- W4109 STH 73 (Mortenson Residence): Approximately 150 feet west of removed UST systems.
- N2084 Miller Avenue (Westbay Residence): Approximately 250 feet southeast of removed UST systems.
- N2175 Miller Avenue (Mazourek Residence): Approximately 1,100 feet north-northwest of removed UST systems.
- N2146 Miller Avenue (Holm Residence): Approximately 620 feet northeast of removed UST systems.
- W4121 STH 73 (Justin Mortenson Residence): Approximately 240 feet west of removed UST systems.
- N2083 Miller Avenue (Mortenson Residence): Approximately 200 feet south of removed UST systems.
- N2051 Miller Avenue (Smith Residence): Approximately 675 feet south of removed UST systems.
- N2011 Miller Avenue (Smith Residence): Approximately 1,050 feet south of removed UST systems.

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 Cunningham Creek, which exists approximately 2,310 feet to the north of the subject property. An intermittent drainage ditch, which leads to Cunningham Creek exists on the north side of State Highway 73, approximately 60 feet to the north of the removed UST systems.

3.0 SITE INVESTIGATION RESULTS AND RISK CRITERIA

3.1 Methods of Investigation

Workscope

The workscope performed for the LUST Investigation included the following:

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- 1) On February 5, 1991, the WisDOT completed three soil borings (SS-1 thru SS-3) during a Phase II Investigation. Four soil samples and one groundwater sample were collected for laboratory analysis.
- 2) On July 25, 2013, The WDNR prepared a LUST Investigation Field Procedures Workplan.
- 3) On March 3, 2014, METCO completed eleven Geoprobe borings (G-1A, G-1 thru G-10). Twenty-five soil samples and nine groundwater samples were collected from the borings for field and/or laboratory analysis.
- 4) On April 25, 2016, METCO completed six soil borings which were converted to monitoring wells (MW-1 thru MW-6). Twenty-four soil samples were collected for field and/or laboratory analysis. Upon completion, the monitoring wells were properly developed.
- 5) On April 28, 2016, DKS Transport Services, LLC picked up and properly disposed of 2 drums of soil cuttings and 1 drum of purge water.
- 6) On July 20, 2016, METCO personnel collected groundwater samples from six monitoring wells (MW-1 thru MW-6) for field and laboratory analysis. The monitoring well network was properly surveyed to feet mean sea level (msl) at this time. METCO also conducted slug tests on three of the monitoring wells (MW-1, -2, and -4).
- 7) On October 20, 2016, METCO personnel collected groundwater samples from six monitoring wells (MW-1 thru MW-6) for field and laboratory analysis.
- 8) On January 19, 2017, METCO personnel collected groundwater samples from six monitoring wells (MW-1 thru MW-6) for field and laboratory analysis.
- 9) On April 19, 2017, METCO personnel collected groundwater samples from six monitoring wells (MW-1 thru MW-6) for field and laboratory analysis.
- 10) On July 19, 2017, METCO personnel collected groundwater samples from six monitoring wells (MW-1 thru MW-6) for field and laboratory analysis.
- 11) On October 19, 2017, METCO personnel collected groundwater samples from six monitoring wells (MW-1 thru MW-6) for field and laboratory analysis.
- 12) On November 22, 2017, METCO completed three Geoprobe borings (G-11, G-12, and G-13) with six soil samples collected for laboratory analysis.

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

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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 February 5, 1991, during the Phase II Investigation, three soil borings were completed with four soil samples collected for laboratory analysis (PVOC, TPH, TCLP-Lead, and/or Lead).

On March 3, 2014, during the Geoprobe Project, eleven soil borings were completed with twenty-five soil samples collected for field and/or laboratory analysis (PID, PVOC, Naphthalene, 1,2-DCA, EDB, and Lead).

On April 25, 2016, during the Drilling Project, six soil borings were completed with twenty-four soil samples collected for field and/or laboratory analysis (PID, PVOC, and Naphthalene).

On November 22, 2017, during the Geoprobe Project, three soil borings were completed with six soil samples collected for laboratory analysis (PVOC, Naphthalene, and Lead).

Soil analytical results are summarized in the Soil Analytical Results Tables with exceedances of the NR720 Groundwater RCL and/or Non-Industrial Direct Contact 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 February 5, 1991, during the Phase II Investigation, one groundwater sample was collected for laboratory analysis (PVOC).

On March 3, 2014, during the Geoprobe Project, nine groundwater samples were collected from soil borings G-2 thru G-10 for laboratory analysis (PVOC, Naphthalene, 1,2-DCA, and EDB).

On April 25, 2016, during the Drilling Project, six monitoring wells (MW-1 thru MW-6) were installed and properly developed.

On July 20, 2016, METCO personnel collected groundwater samples from six monitoring wells (Round 1) for field and laboratory analysis (VOC's, Dissolved Iron, Dissolved Manganese, Nitrate/Nitrite, Sulfate, and Dissolved Lead). Field measurements for water level, temperature, pH, ORP, Dissolved Oxygen and Specific Conductance were collected from all sampled monitoring wells. The monitoring well network was properly surveyed to feet mean sea level (msl) at this time. METCO also conducted slug tests on three of the monitoring wells (MW-1, -2, and -4).

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On October 20, 2016, METCO personnel collected groundwater samples from six monitoring wells (Round 2) for field and laboratory analysis (PVOC, Naphthalene, and/or Dissolved Lead). Field measurements for water level, temperature, pH, ORP, Dissolved Oxygen and Specific Conductance were collected from all sampled monitoring wells.

On January 19, 2017, METCO personnel collected groundwater samples from six monitoring wells (Round 3) for field and laboratory analysis (PVOC, Naphthalene, and/or Dissolved Lead). Field measurements for water level, temperature, pH, ORP, Dissolved Oxygen and Specific Conductance were collected from all sampled monitoring wells.

On April 19, 2017, METCO personnel collected groundwater samples from six monitoring wells (Round 4) for field and laboratory analysis (PVOC, Naphthalene, and/or Dissolved Lead). Field measurements for water level, temperature, pH, ORP, Dissolved Oxygen and Specific Conductance were collected from all sampled monitoring wells.

On July 19, 2017, METCO personnel collected groundwater samples from six monitoring wells (Round 5) for field and laboratory analysis (PVOC, Naphthalene, and/or Dissolved Lead). Field measurements for water level, temperature, pH, ORP, Dissolved Oxygen and Specific Conductance were collected from all sampled monitoring wells.

On October 19, 2017, METCO personnel collected groundwater samples from six monitoring wells (Round 6) for field and laboratory analysis (PVOC, Naphthalene, and/or Dissolved Lead). Field measurements for water level, temperature, pH, ORP, Dissolved Oxygen and Specific Conductance were collected from all sampled monitoring wells. METCO personnel also cut down the PVC and re-surveyed monitoring wells MW-4 and MW-5 at this time.

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

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

Laboratory Certification

Synergy Environmental Lab

Wisconsin Lab Certification #445037560

3.3 Permeability and Hydraulic Conductivity

On July 20, 2016, METCO conducted slug tests on monitoring wells MW-1, MW-2 and MW-4. The slug test data was evaluated using the curve fitting program "Hydro-Test for Windows" Produced by Dakota Environmental, Inc.

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

Monitoring Well MW-1

Hydraulic Conductivity (K) = $1.94\text{E-}04$ cm/sec

Transmissivity = $5.61\text{E-}02$ cm²/sec

Flow Velocity ($V=K/n$) = 2.45036 m/yr

Monitoring Well MW-2

Environmental Consulting, Fuel System Design, Installation and Service

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Hydraulic Conductivity (K) = $2.34\text{E-}04$ cm/sec
Transmissivity = $7.07\text{E-}02$ cm²/sec
Flow Velocity ($V=KI/n$) = 2.95820 m/yr

Monitoring Well MW-4

Hydraulic Conductivity (K) = $2.57\text{E-}04$ cm/sec
Transmissivity = $7.02\text{E-}02$ cm²/sec
Flow Velocity ($V=KI/n$) = 3.24674 m/yr

Since the thickness of the unconfined aquifer was unknown, the bottoms of monitoring wells MW-1, MW-2 and MW-4 were assumed as the lower extent of the aquifer for calculation purposes. Slug test data is presented in Appendix E.

3.4 Discussion of Results

Local unconsolidated materials generally consist of interbedded layers of clay to sandy clay and fine to coarse grained sand with gravel from surface to at least 15 feet bgs. Sand and gravel/possible fill material was encountered in numerous borings, especially along the roadway from surface to depths ranging from 3 to 12 feet bgs.

Possible weathered bedrock was encountered in soil boring MW-6 at 13-15 feet bgs. Granite bedrock is expected to exist at approximately 10-20 feet bgs and extends to at least 355 feet bgs, based on local well construction reports.

According to data collected from the monitoring wells, the depth to groundwater ranges from 1.42 to 5.44 feet bgs depending on well location and time of year. According to the watertable measurements collected during groundwater sampling, local horizontal groundwater flow in the immediate area of the subject property is generally toward the north/northwest.

An area of unsaturated soil contamination, which exceeds the NR720 Groundwater RCL's, exists in the area of the removed UST system and appears to measure up to 30 feet long, up to 25 feet wide, and up to 4 feet thick. An area of unsaturated soil contamination exceeding NR720 Non-Industrial Direct Contact RCL values also exists in the area of the removed UST system and appears to measure up to 6 feet in diameter, and up to 4 feet thick.

A dissolved phase contaminant plume exceeding the NR140 ES and/or PAL has formed at the watertable in the area of the removed UST system and has migrated toward the north/northwest. This plume is approximately 193 feet long and up to 159 feet wide at its widest point.

Based on the most recent groundwater analytical results, six monitoring wells (MW-1 thru MW-6) show NR140 ES and/or PAL exceedances. However, it should be noted that monitoring wells MW-4, MW-5, and MW-6 showed no detects for all contaminants of concern in the first five sampling events, but showed low level NR140 PAL exceedances for Benzene for the most recent sampling event.

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

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

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

3.5 Risk Assessment

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

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

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

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

Based on the NR746.03 definitions, the Shortville Store site is currently a "medium risk" site.

4.0 CONCLUSION

4.1 Investigation Summary

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

4.2 Recommendations

METCO recommends that the Shortville Store site be "closed" for the following reasons: 1) The extent and degree of petroleum contamination in soil and groundwater has been adequately defined. 2) Free product has never been encountered at the site and groundwater trends appear to be stable. 3) Based on the receptor survey, there does not appear to be any risk to any wells, surface waters, utility corridors, or vapor intrusion receptors. A closure request is being submitted along with this Site Investigation Report.

5.0 REFERENCES

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

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

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

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

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

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

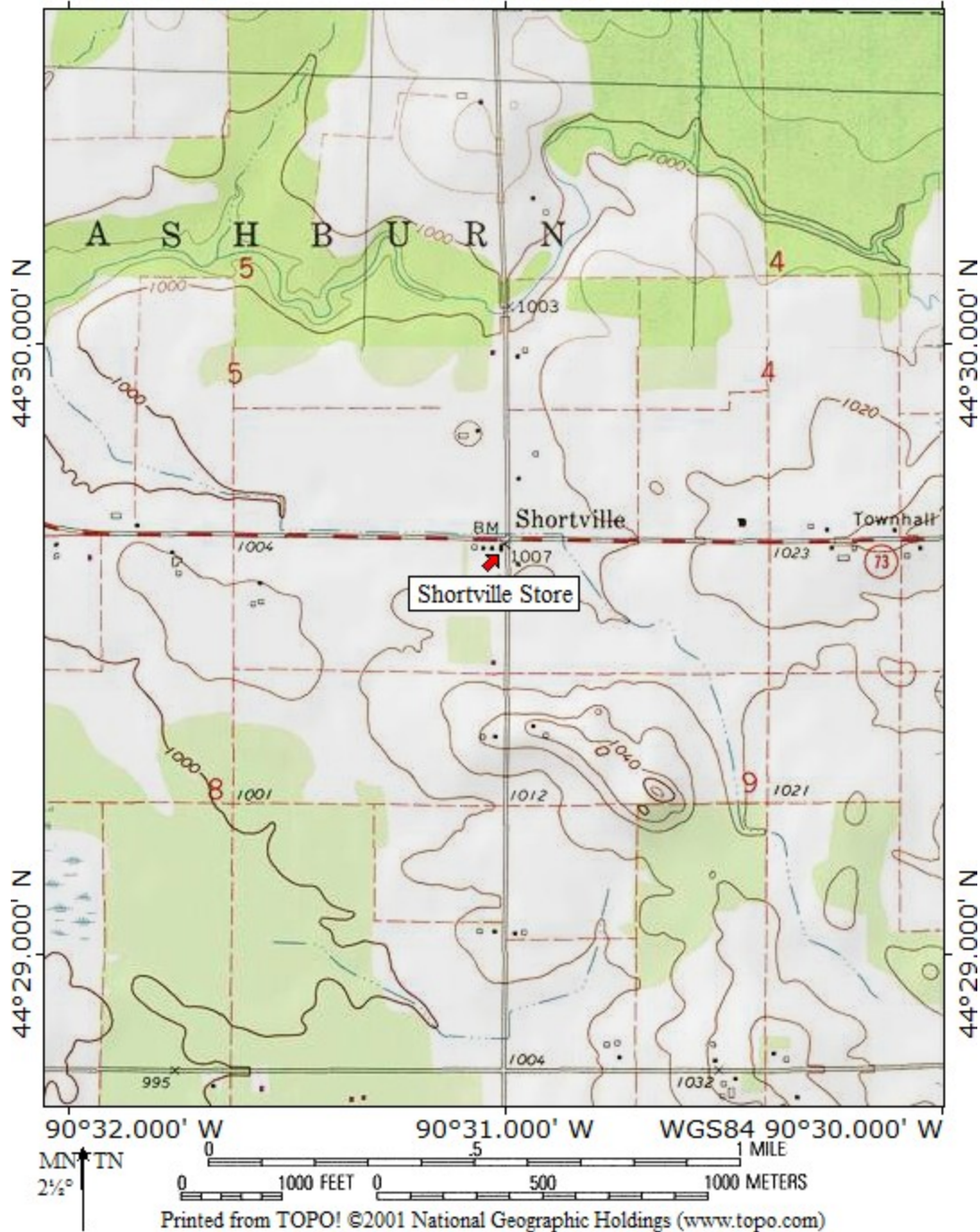
Weston, R.F., 1987, Remedial Technologies for Leaking Underground Storage Tanks.

Young, H.L. And Borman, R.G., 1973, Water Resources of Wisconsin – Trempealeau-Black River Basin, Hydrologic Investigations, Atlas HA-474, U.S. Geological Survey, Washington D.C.

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

Site Investigation Report - METCO
Shortville Store
6.0 FIGURES

TOPO! map printed on 02/27/18 from "Wisconsin.tpo" and "Untitled.tpg"
90°32.000' W 90°31.000' W WGS84 90°30.000' W



B.1.a LOCATION MAP
CONTOUR INTERVAL 10 FEET
SHORTVILLE STORE – SHORTVILLE, WI
SEAMLESS USGS TOPOGRAPHIC MAPS ON CD-ROM

KEY

 FLUSH MONITORING WELL
 OHE OVERHEAD ELECTRIC
 PED. UTILITY PEDESTAL

SCALE 1" = 50'

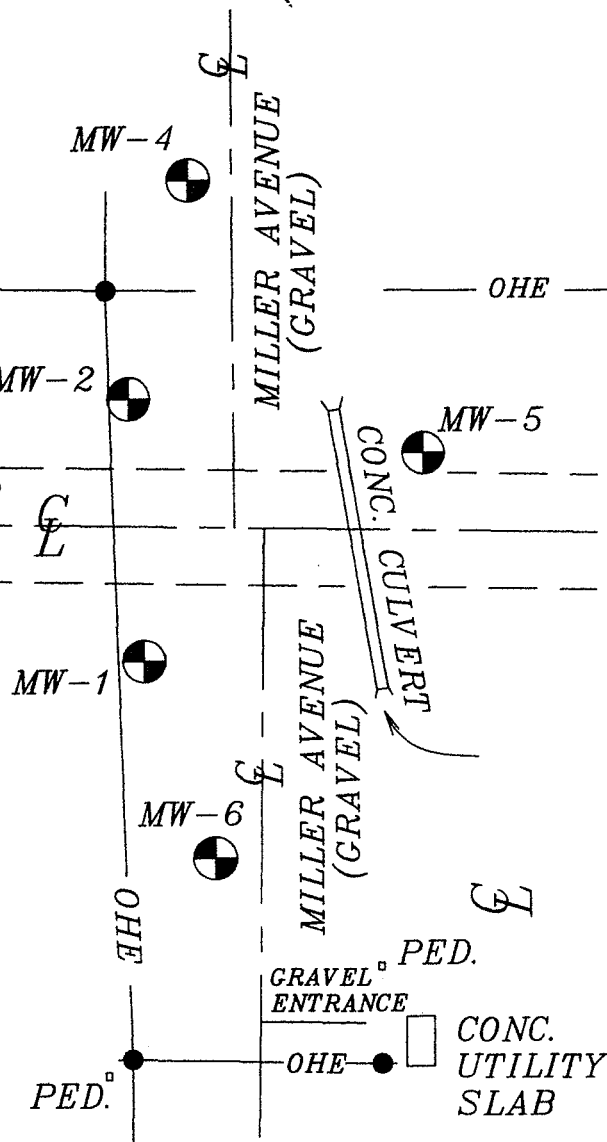
 0' 50' 100'



APPROX.
 RESIDENCE
 W4109 STH 73



EDGE OF PVMT.



DRAWN BY: GREG FAUERBACH	REVISIONS	PROJECT:	SHEET NAME	PAGE
DATE: 7-20-16 FIELD		SHORTVILLE STORE (FORMER)	LOCATION MAP	1 OF 1
DWG. NO.: 53016	FAUERBACH SURVEYING & ENG. PO BOX 140, HILLSBORO, WI 54634 PH/FAX 608-489-3363	SW QUADRANT STH 73 & MILLER AVE. NEILLSVILLE, (SHORTVILLE), WI 54456		

WELL	CLARK COUNTY COORD. SYSTEM NAD83(2011)		TOP OF WELL ELEVATION (NAVD 88)	TOP OF PVC CASING ELEVATION (NAVD 88)
	NORTH	EAST		
MW-1	326192.10	705981.25	1008.12'	1007.73'
MW-2	326261.08	705977.23	1008.41'	1007.92'
MW-3	326255.41	705908.75	1006.04'	1005.59'
MW-4	326318.23	705992.77	1008.49'	1008.09'
MW-5	326246.85	706055.12	1008.69'	1008.32'
MW-6	326140.24	705999.60	1008.38'	1008.08'



DRAWN BY: GREG FAUERBACH	REVISIONS	PROJECT:	SHEET NAME	PAGE
DATE: 7-20-16 FIELD		SHORTVILLE STORE (FORMER)	DATA SHEET	1 OF 1
DWG. NO.: 53016	FAUERBACH SURVEYING & ENG. PO BOX 140, HILLSBORO, WI 54634 PH/FAX 608-489-3363	SW QUADRANT STH 73 & MILLER AVE. NEILLSVILLE, (SHORTVILLE), WI 54456		

B.I.b

DETAILED SITE MAP

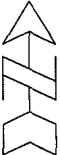
SHORTVILLE STORE



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LA CROSSE, WI 54603
Tel: (608) 79-8870
Fax: (608) 79-8893
Excellence through experience

TOWN OF WASHBURN
(SHORTVILLE), WISCONSIN

DRAWN BY: ED
DATE: 04/29/2014



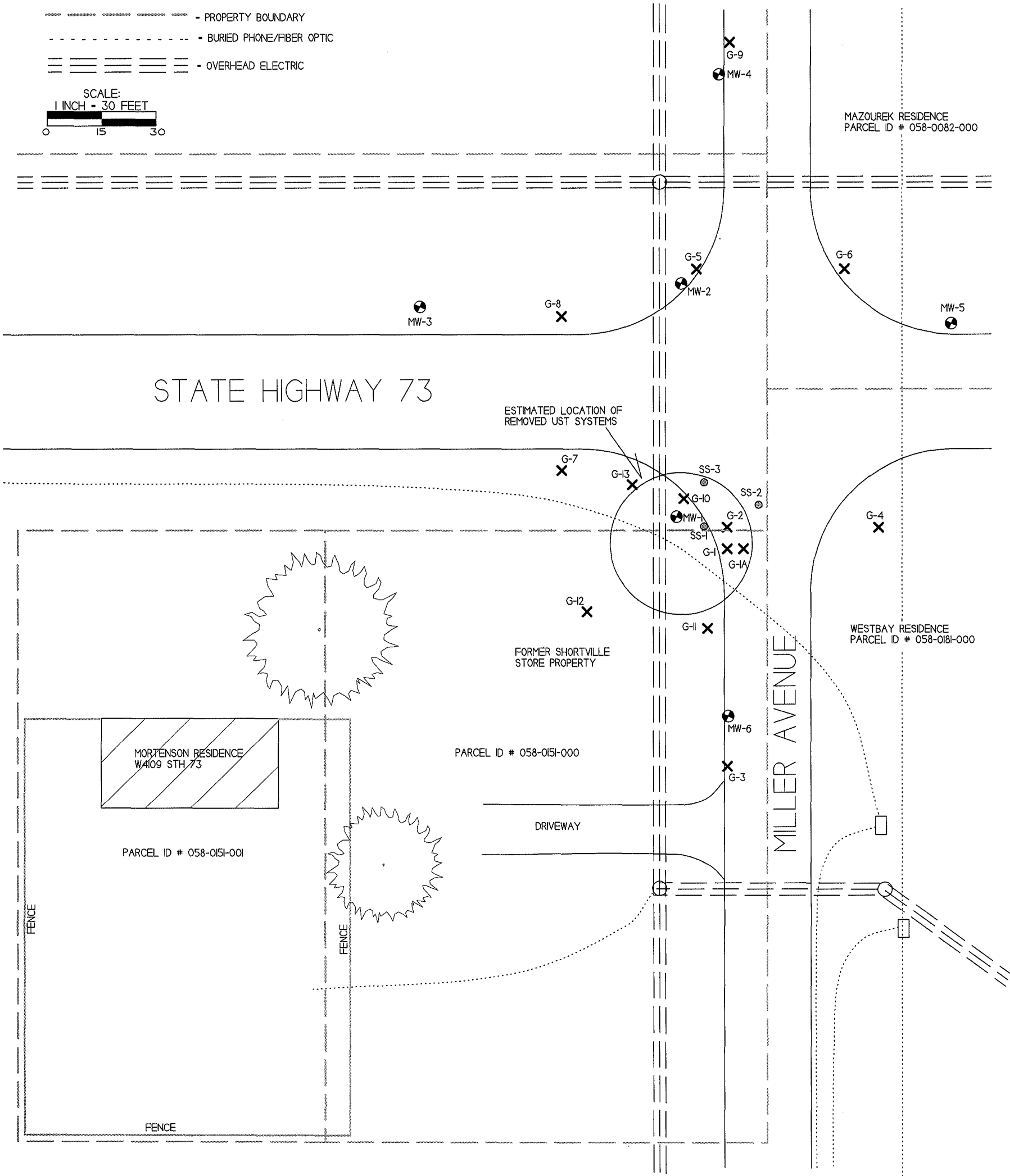
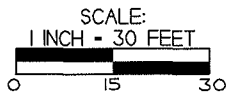
NOTE: INFORMATION BASED ON AVAILABLE
DATA. ACTUAL CONDITIONS MAY DIFFER

● - DOT PHASE 2 SOIL BORING LOCATION (1991)

✕ - GEOPROBE BORING LOCATION

⊙ - MONITORING WELL LOCATION

- - PROPERTY BOUNDARY
- - BURIED PHONE/FIBER OPTIC
- ==== - OVERHEAD ELECTRIC



B.2.a

SOIL CONTAMINATION

SHORTVILLE STORE

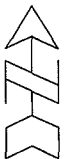


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TOWN OF WASHBURN
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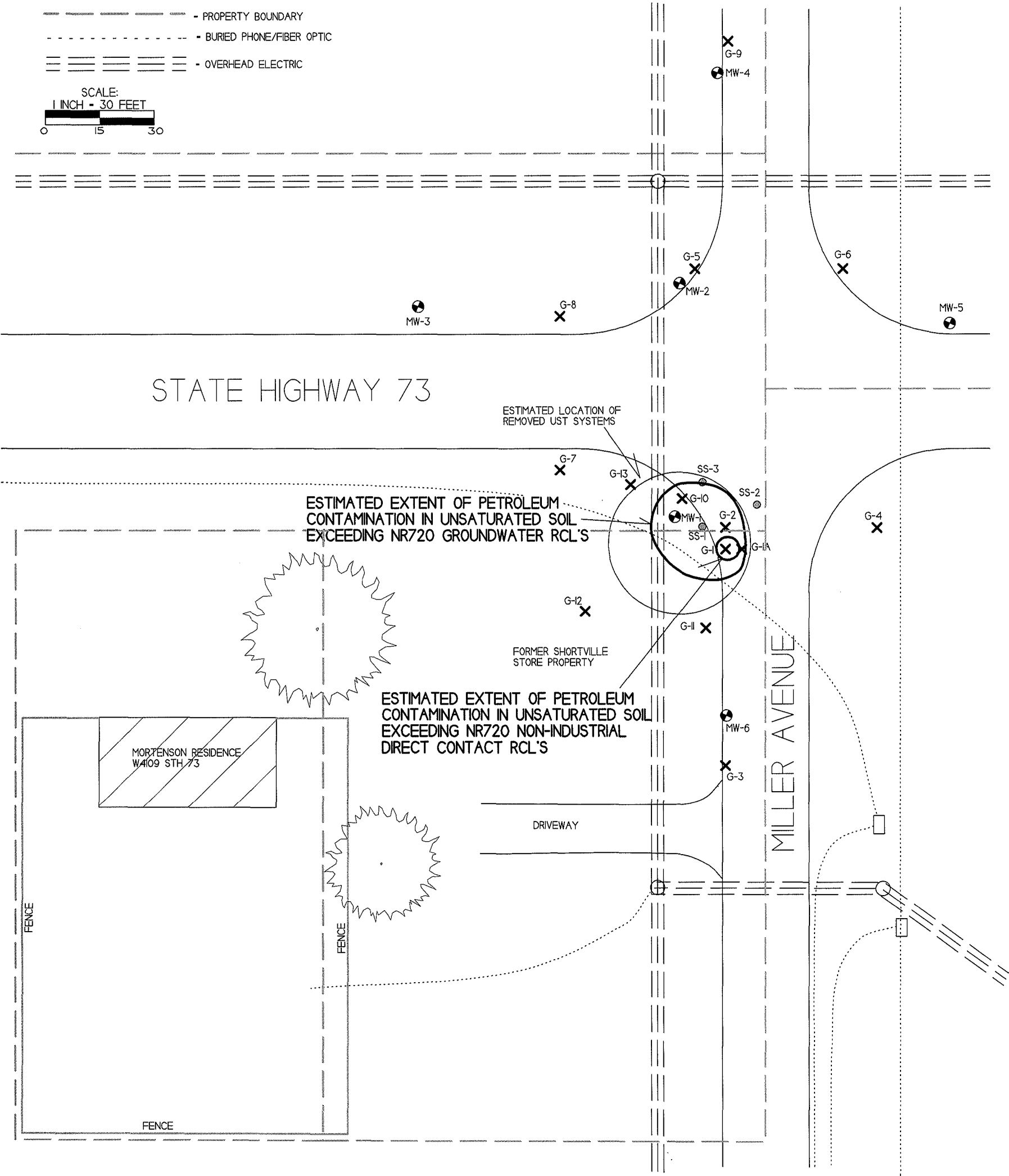
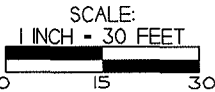
NOTE: INFORMATION BASED ON AVAILABLE
DATA. ACTUAL CONDITIONS MAY DIFFER

⊙ - DOT PHASE 2 SOIL BORING LOCATION (1991)

✕ - GEOPROBE BORING LOCATION

⊗ - MONITORING WELL LOCATION

-  - PROPERTY BOUNDARY
-  - BURIED PHONE/FIBER OPTIC
-  - OVERHEAD ELECTRIC



B.3.c GROUNDWATER
FLOW DIRECTION (7/20/16)

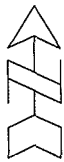
SHORTVILLE STORE



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Tel: (608) 78-8879
Fax: (608) 78-8893

TOWN OF WASHBURN
(SHORTVILLE), WISCONSIN

DRAWN BY: ED
DATE: 04/29/2014



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

⊙ - DOT PHASE 2 SOIL BORING LOCATION (1991)

✕ - GEOPROBE BORING LOCATION

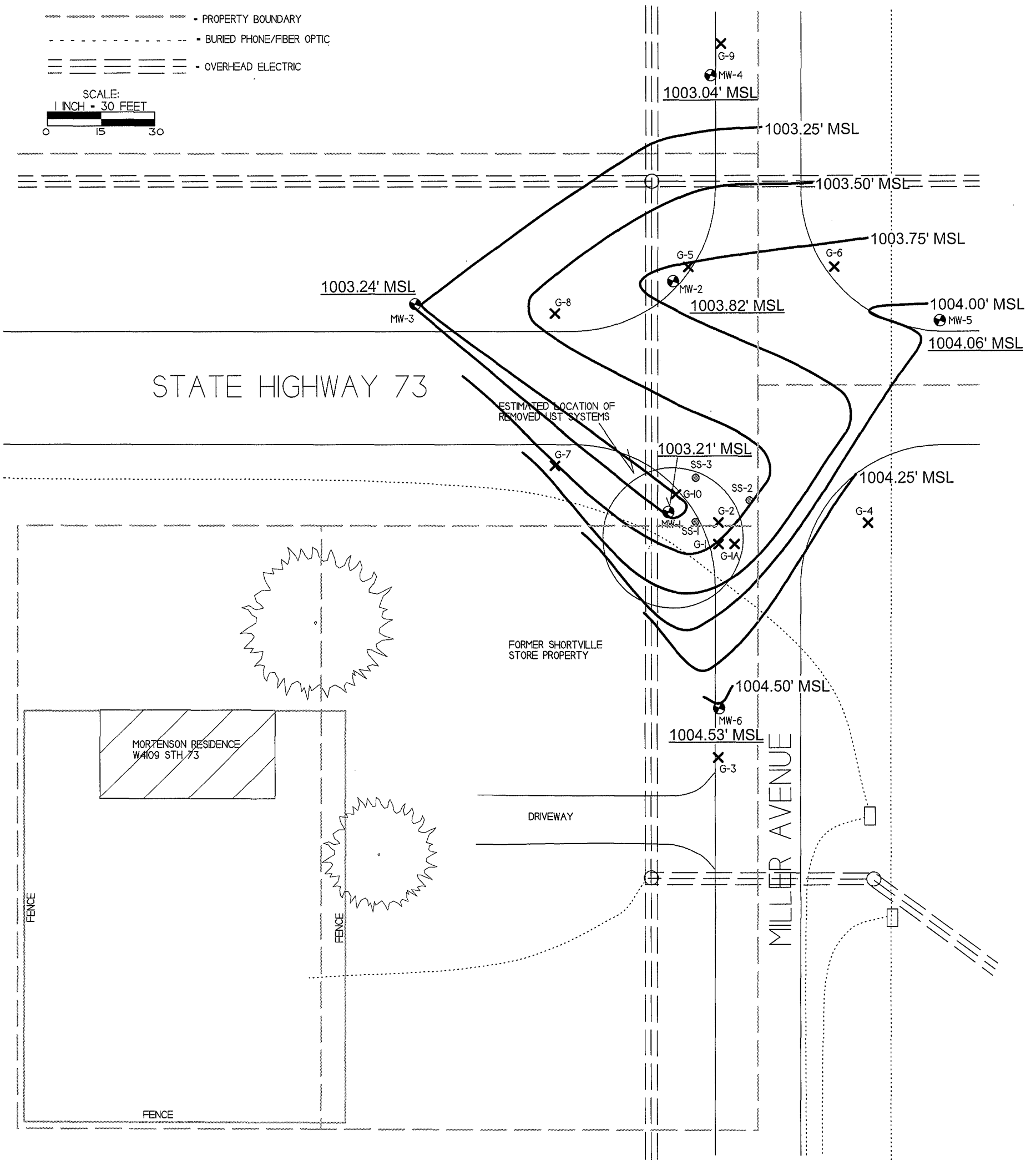
● - MONITORING WELL LOCATION

===== - PROPERTY BOUNDARY

----- - BURIED PHONE/FIBER OPTIC

==== - OVERHEAD ELECTRIC

SCALE:
1 INCH = 30 FEET
0 15 30



B.3.c GROUNDWATER
FLOW DIRECTION (10/20/16)

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TOWN OF WASHBURN
(SHORTVILLE), WISCONSIN

DRAWN BY: ED
DATE: 04/20/2014



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

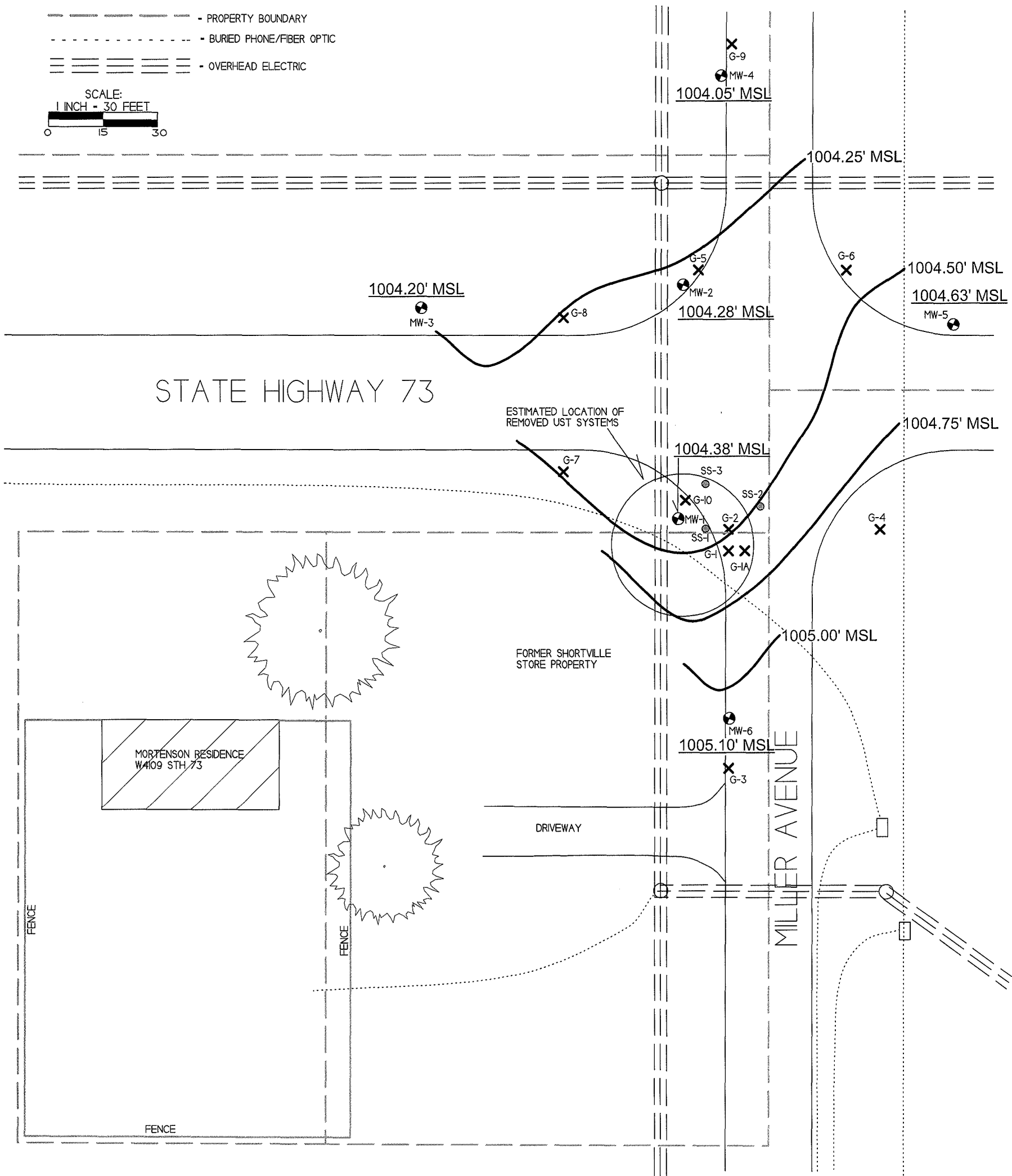
● - DOT PHASE 2 SOIL BORING LOCATION (1991)

✕ - GEOPROBE BORING LOCATION

● - MONITORING WELL LOCATION

- - - - - PROPERTY BOUNDARY
- - - - - BURIED PHONE/FIBER OPTIC
- ==== OVERHEAD ELECTRIC

SCALE:
1 INCH = 30 FEET



B.3.c GROUNDWATER
FLOW DIRECTION (1/19/17)

SHORTVILLE STORE



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TOWN OF WASHBURN
(SHORTVILLE), WISCONSIN

DRAWN BY: ED
DATE: 04/29/2014

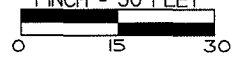


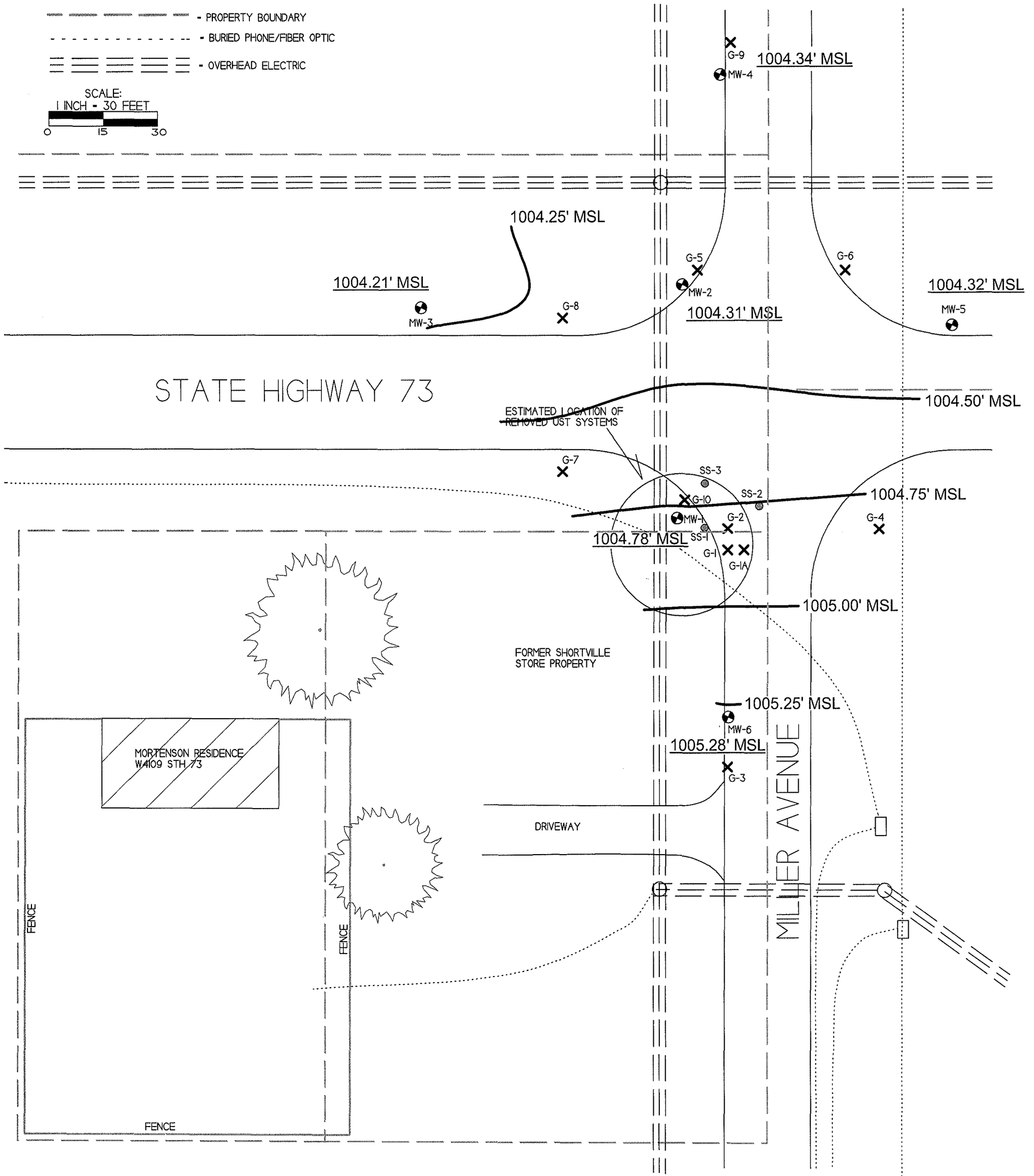
NOTE: INFORMATION BASED ON AVAILABLE
DATA, ACTUAL CONDITIONS MAY DIFFER

- ⊙ - DOT PHASE 2 SOIL BORING LOCATION (I99)
- ✕ - GEOPROBE BORING LOCATION
- - MONITORING WELL LOCATION

- PROPERTY BOUNDARY
- BURIED PHONE/FIBER OPTIC
- OVERHEAD ELECTRIC

SCALE:
1 INCH = 30 FEET





The map illustrates groundwater flow directions and monitoring locations. Key features include:

- Monitoring Wells (MW):** MW-1, MW-2, MW-3, MW-4, MW-5, MW-6.
- Geoprobes (G):** G-1, G-1A, G-2, G-3, G-4, G-5, G-6, G-7, G-8, G-9, G-10.
- Soil Borings (SS):** SS-1, SS-2, SS-3.
- Water Levels (MSL):** 1004.21', 1004.25', 1004.31', 1004.32', 1004.34', 1004.50', 1004.75', 1004.78', 1005.00', 1005.25', 1005.28'.
- Property Boundaries:** Mortenson Residence, Former Shortville Store Property.
- Infrastructure:** State Highway 73, Driveway, Fence, Miller Avenue.
- Legend:** Symbols for DOT Phase 2 soil boring, geoprobe, monitoring well, property boundary, buried phone/fiber optic, and overhead electric.
- Scale:** 1 inch = 30 feet.

B.3.c GROUNDWATER
FLOW DIRECTION (4/19/17)

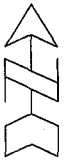
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TOWN OF WASHBURN
(SHORTVILLE), WISCONSIN

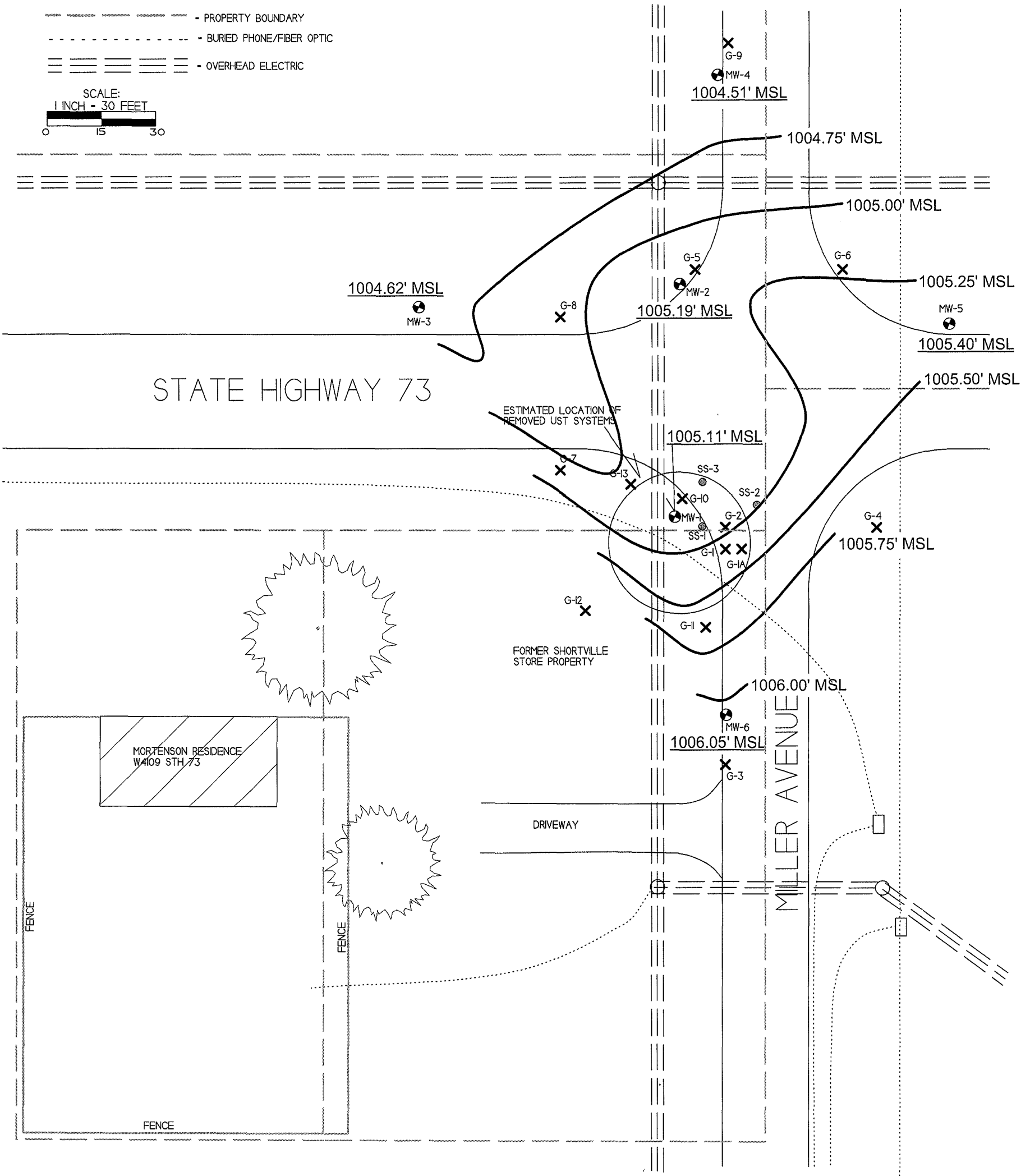
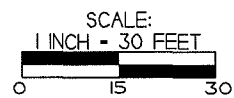
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NOTE: INFORMATION BASED ON AVAILABLE
DATA, ACTUAL CONDITIONS MAY DIFFER

- ⊙ - DOT PHASE 2 SOIL BORING LOCATION (1991)
- ✕ - GEOPROBE BORING LOCATION
- - MONITORING WELL LOCATION

- - PROPERTY BOUNDARY
- - BURIED PHONE/FIBER OPTIC
- ==== - OVERHEAD ELECTRIC



B.3.c GROUNDWATER
FLOW DIRECTION (7/19/17)

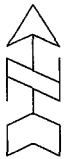
SHORTVILLE STORE



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TOWN OF WASHBURN
(SHORTVILLE), WISCONSIN

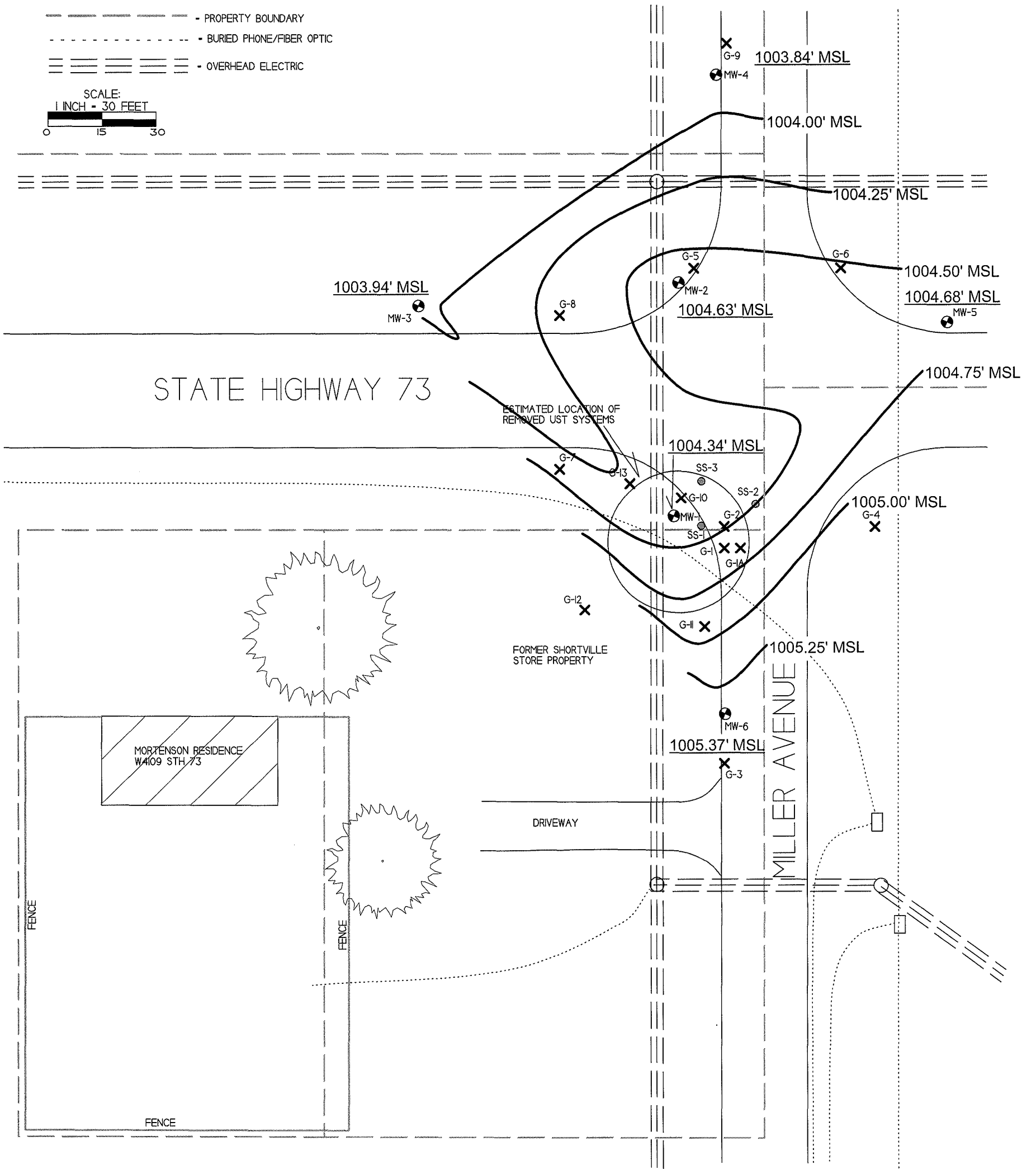
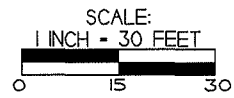
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NOTE: INFORMATION BASED ON AVAILABLE
DATA. ACTUAL CONDITIONS MAY DIFFER

- ⊙ - DOT PHASE 2 SOIL BORING LOCATION (1991)
- ✕ - GEOPROBE BORING LOCATION
- ⦿ - MONITORING WELL LOCATION

- PROPERTY BOUNDARY
- - - - - BURIED PHONE/FIBER OPTIC
- ==== OVERHEAD ELECTRIC



B.3.c GROUNDWATER
FLOW DIRECTION (10/19/17)

SHORTVILLE STORE



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LA CROSSE, WI 54603
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TOWN OF WASHBURN
(SHORTVILLE), WISCONSIN

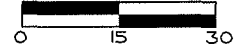
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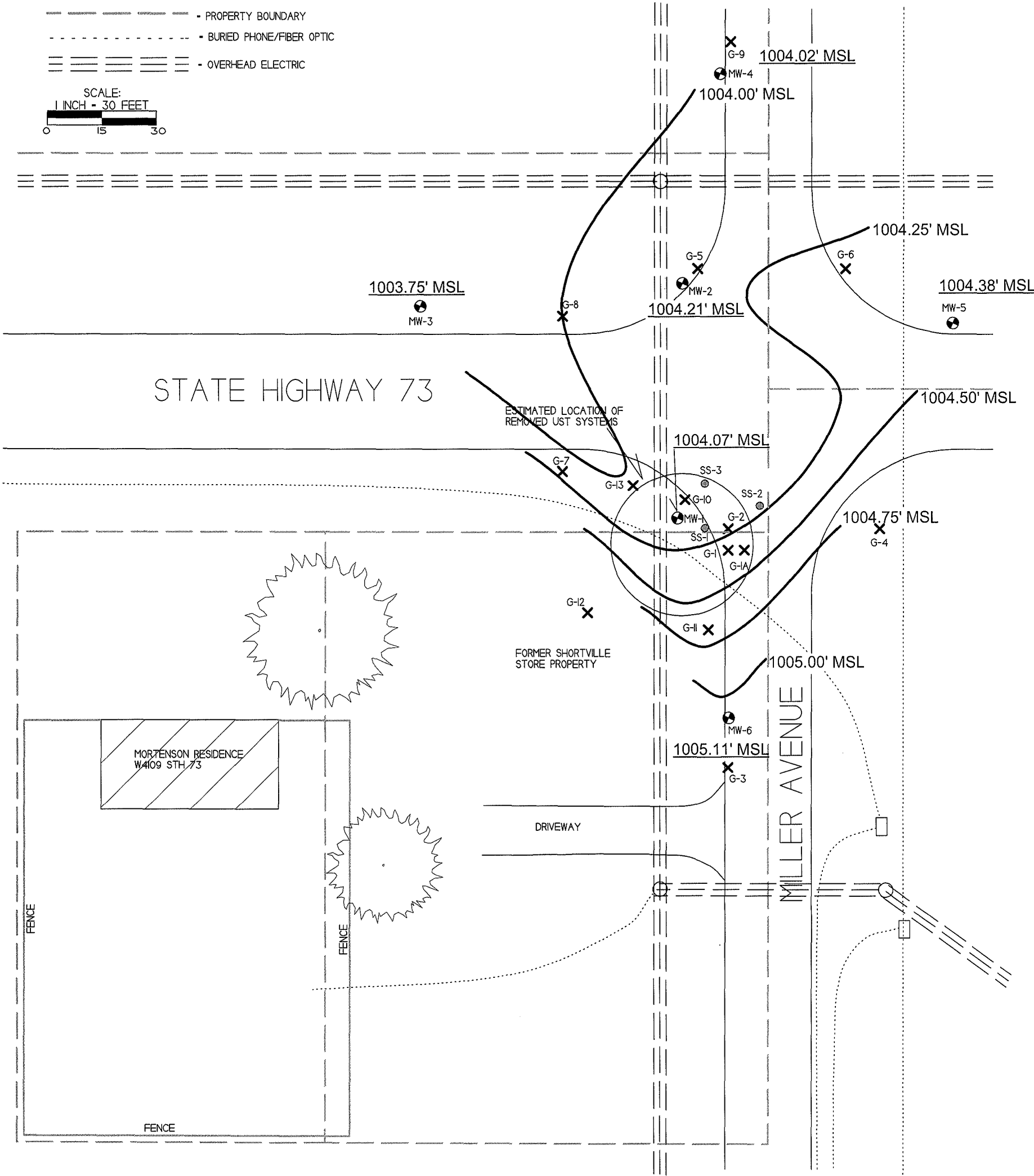


NOTE: INFORMATION BASED ON AVAILABLE
DATA. ACTUAL CONDITIONS MAY DIFFER

- ⊙ - DOT PHASE 2 SOIL BORING LOCATION (1991)
- ✕ - GEOPROBE BORING LOCATION
- - MONITORING WELL LOCATION
- ===== - PROPERTY BOUNDARY
- - BURIED PHONE/FIBER OPTIC
- ==== - OVERHEAD ELECTRIC

SCALE:
1 INCH = 30 FEET





The map illustrates groundwater flow directions and elevations. Key features include:

- State Highway 73:** A major road running horizontally across the middle of the map.
- Miller Avenue:** A vertical road on the right side of the map.
- Former Shortville Store Property:** A rectangular area outlined with a dashed line, containing several monitoring wells and geoprobes.
- Mortenson Residence:** A rectangular area outlined with a dashed line, located to the left of the former store property.
- Monitoring Wells (MW):** Indicated by solid black circles with labels MW-1 through MW-6.
- Geoprobes (G):** Indicated by 'X' marks with labels G-1 through G-13.
- Soil Borings (SS):** Indicated by small circles with labels SS-1, SS-2, and SS-3.
- Groundwater Contours:** Solid lines representing elevations such as 1003.75' MSL, 1004.00' MSL, 1004.21' MSL, 1004.50' MSL, 1004.75' MSL, 1005.00' MSL, and 1005.11' MSL.
- Property Boundaries:** Shown as double lines.
- Overhead Electric:** Represented by multiple parallel lines.
- Buried Phone/Fiber Optic:** Represented by a dashed line.
- Estimated Location of Removed UST Systems:** A circular area with a dashed outline near the center of the map.
- Fence:** Indicated by a line with a series of small perpendicular ticks.
- Driveway:** A line connecting the former store property to Miller Avenue.

B.3.b GROUNDWATER
ISOCONCENTRATION (10/19/17)

SHORTVILLE STORE

METCO

709 GILLETTE ST. STE 3
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Fax: (608) 788-8893

709 GILLETTE ST. STE 3
LA CROSSE, WI 54603
Tel: (608) 788-8878
Fax: (608) 788-8893

TOWN OF WASHBURN
(SHORTVILLE), WISCONSIN

DRAWN BY: ED
DATE: 04/29/2014

↑

↑

↑

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

- - DOT PHASE 2 SOIL BORING LOCATION (1991)
- ✕ - GEOPROBE BORING LOCATION
- ⊙ - MONITORING WELL LOCATION
- - PROPERTY BOUNDARY
- - BURIED PHONE/FIBER OPTIC
- ==== - OVERHEAD ELECTRIC

SCALE:
1 INCH = 30 FEET

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

STATE HIGHWAY 73

ESTIMATED LOCATION OF
REMOVED UST SYSTEMS

FORMER SHORTVILLE
STORE PROPERTY

MORTENSON RESIDENCE
W4109 STH 73

DRIVEWAY

MILLER AVENUE

Labels on map: PAL, ES, MW-3, G-8, MW-2, G-5, G-9, MW-4, G-6, MW-5, G-7, G-13, SS-3, SS-2, MW-1, SS-1, G-2, G-1, G-1A, G-12, G-11, MW-6, G-3, G-4.

B.3.a.1 GEOLOGIC CROSS
SECTION FIGURE

SHORTVILLE STORE



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LA CROSSE, WI 54603
Tel: (608) 78-8879
Fax: (608) 78-8893

TOWN OF WASHBURN
(SHORTVILLE), WISCONSIN

DRAWN BY: ED
DATE: 04/29/2014



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

- - DOT PHASE 2 SOIL BORING LOCATION (1991)
- ✕ - GEOPROBE BORING LOCATION
- ⊙ - MONITORING WELL LOCATION

- ===== - PROPERTY BOUNDARY
- - BURIED PHONE/FIBER OPTIC
- =====
=====
===== - OVERHEAD ELECTRIC

SCALE:
1 INCH = 30 FEET
0 15 30

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

STATE HIGHWAY 73

ESTIMATED LOCATION OF
REMOVED UST SYSTEMS

ESTIMATED EXTENT OF PETROLEUM
CONTAMINATION IN UNSATURATED SOIL
EXCEEDING NR720 GROUNDWATER RCL'S

FORMER SHORTVILLE
STORE PROPERTY

ESTIMATED EXTENT OF PETROLEUM
CONTAMINATION IN UNSATURATED SOIL
EXCEEDING NR720 NON-INDUSTRIAL
DIRECT CONTACT RCL'S

MORTENSON RESIDENCE
W4109 STH 73

DRIVEWAY

MILLER AVENUE

MONITORING WELLS: MW-1, MW-2, MW-3, MW-4, MW-5, MW-6

GEOPROBE LOCATIONS: G-1, G-1A, G-1B, G-2, G-3, G-4, G-6, G-7, G-8, G-9, G-10, G-11, G-12, G-13

SS-2, SS-3

Pal, ES

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

SHORTVILLE STORE



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Tel: (608) 781-8879
Fax: (608) 781-8893

TOWN OF WASHBURN
(SHORTVILLE), WISCONSIN

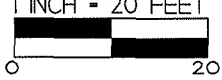
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DATE: 04/29/2014



- - DOT PHASE 2 SOIL BORING LOCATION (1991)
- ✕ - GEOPROBE BORING LOCATION
- - MONITORING WELL LOCATION
- ===== - PROPERTY BOUNDARY
- - BURIED PHONE/FIBER OPTIC
- ===== - OVERHEAD ELECTRIC

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

SCALE:
1 INCH = 20 FEET



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

PAL

ES

STATE HIGHWAY 73

ESTIMATED LOCATION OF
REMOVED UST SYSTEMS

ESTIMATED EXTENT OF PETROLEUM
CONTAMINATION IN UNSATURATED SOIL
EXCEEDING NR720 GROUNDWATER RCL'S

FORMER SHORTVILLE
STORE PROPERTY

ESTIMATED EXTENT OF PETROLEUM
CONTAMINATION IN UNSATURATED SOIL
EXCEEDING NR720 NON-INDUSTRIAL
DIRECT CONTACT RCL'S

FENCE

DRIVEWAY

MILLER AVENUE

Monitoring Wells: MW-1, MW-2, MW-3, MW-4, MW-5, MW-6

Geoprobe Boring Locations: G-1, G-1A, G-2, G-3, G-4, G-5, G-6, G-7, G-8, G-9, G-10, G-11, G-12, G-13

Soil Boring Locations: SS-2, SS-3

B.3.a.3 GEOLOGIC CROSS
SECTION FIGURE

SHORTVILLE STORE



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

TOWN OF WASHBURN
(SHORTVILLE), WISCONSIN

DRAWN BY: JJ
DATE: 1/18/18

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

NOTE: SOIL AND GROUNDWATER SAMPLE DATA IS BASED ON LABORATORY RESULTS FROM SAMPLES COLLECTED DURING THE FOLLOWING EVENTS:
- GEOPROBE PROJECT (3/3/14)
- DRILLING PROJECT (4/25/16)
- ROUND 6 GROUNDWATER SAMPLING (10/19/17)

- - MONITORING WELL LOCATION
- - SOIL BORING LOCATION
- - DOT PHASE 2 SOIL BORING LOCATION (1991)
- ✕ - SOIL SAMPLING LOCATION
- ▼ - WATERTABLE (BASED ON ALL-TIME LOW WATER TABLE)

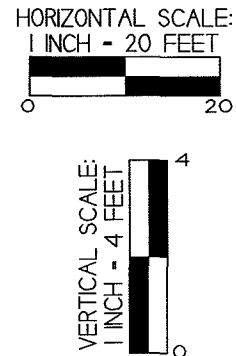
INFORMATION BASED ON AVAILABLE DATA. ACTUAL CONDITIONS MAY DIFFER

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 NORTH/NORTHWEST.

- ND - NO DETECT
- PID - PHOTO IONIZATION DETECTOR
- GRO - GASOLINE RANGE ORGANICS
- DRO - DIESEL RANGE ORGANICS
- PAH - POLYNUCLEAR AROMATIC HYDROCARBONS
- PVOC - PETROLEUM VOLATILE ORGANIC COMPOUNDS
- B - BENZENE
- E - ETHYLBENZENE
- MTBE - METHYL-TERT-BUTYL-ETHER
- N - NAPHTHALENE
- T - TOLUENE
- TMB - TRIMETHYLBENZENE
- TPH - TOTAL PETROLEUM HYDROCARBONS
- X - XYLENE

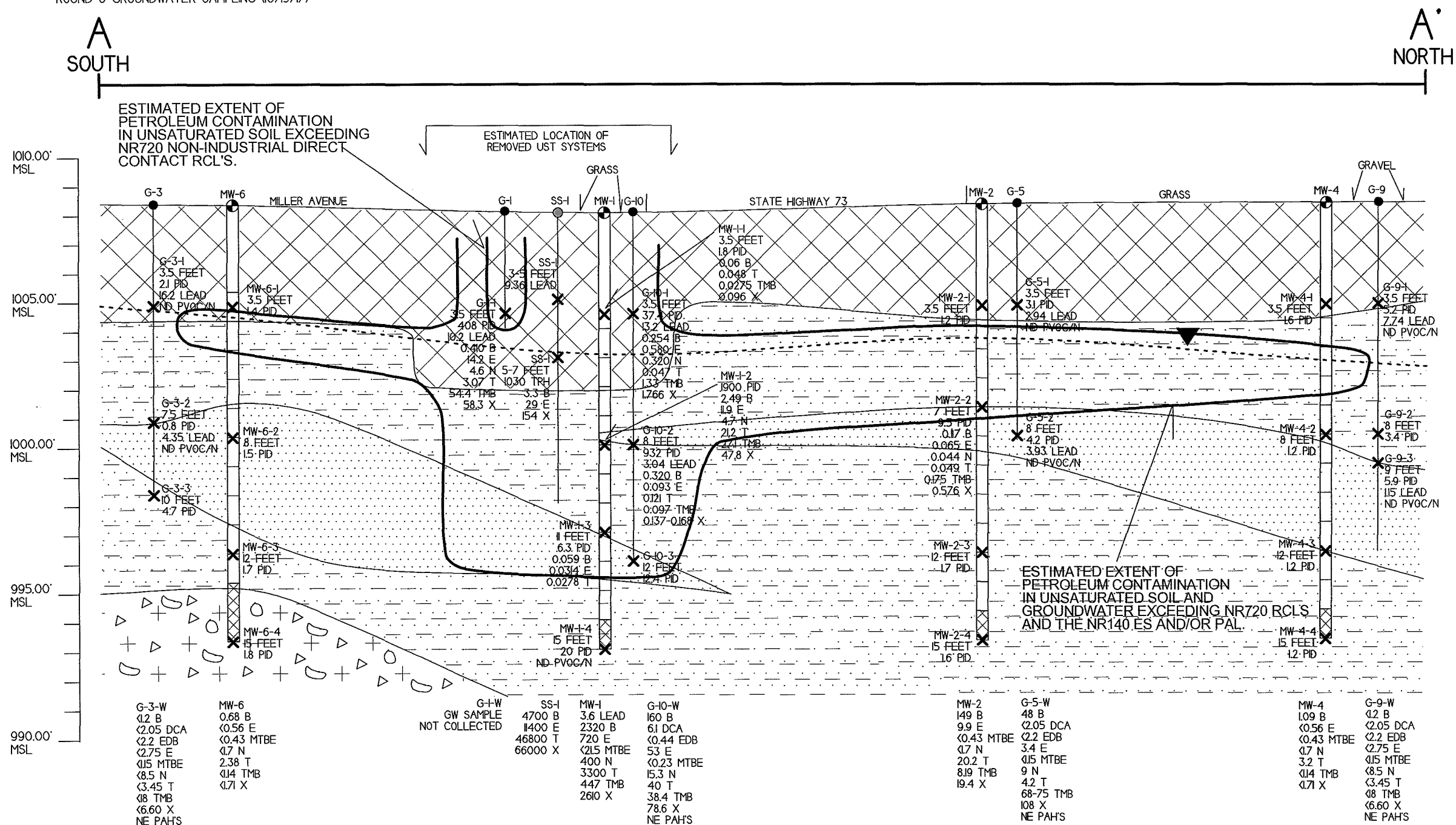


TAN TO GRAY
TO BROWN TO
WHITE VERY FINE
TO MEDIUM GRAINED
SAND WITH SOME GRAVEL

TAN TO GRAY
SANDY CLAY

GREEN
WEATHERED
BEDROCK/ROCK/
BOULDERS

FILL MATERIAL
(SAND AND GRAVEL)



7.0 DATA TABLES, GRAPHS, AND STATISTICAL ANALYSIS

A.2 Soil Analytical Results Table
Shortville Store BRRTS# 03-10-000581

																		DIRECT CONTACT PVOC		
Sample ID	Depth (feet)	Saturation U/S	Date	PID	TPH (ppm)	Lead (ppm)	Benzene (ppm)	1,2-Dichlorethane (DCA) (ppm)	1,2-Dibromoe-thane (EDB) (ppm)	Ethyl Benzene (ppm)	MTBE (ppm)	Naphthalene (ppm)	Toluene (ppm)	1,2,4-Trime-thylbenzene (ppm)	1,3,5-Trime-thylbenzene (ppm)	Xylene (Total) (ppm)	Other VOC's (ppm)	Exeedance Count	Hazard Index	Cumulative Cancer Risk
SS-1	3-5	U	02/05/91	NM	NS	9.36	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	<0.30 TCLP Lead			
SS-1	5-7	S	02/05/91	NM	1030	NS	3.3	NS	NS	29	NS	NS	52	NS	NS	154	NS			
SS-2	6-8	S	02/05/91	NM	ND	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS			
SS-3	6.5-7	S	02/05/91	NM	228.0	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS			
G-1-A	1.5	U	03/03/14	1.1	NS						NOT SAMPLED						NS	0		
G-1-1	3.5	U	03/03/14	408.0	NS	10.2	0.410	<0.360	<0.200	14.2	<0.300	4.6	3.07	42	12.4	58.3	NS	1	0.2542	2.9E-06
G-2-1	3.5	U	03/03/14	27.1	NS	10.1	1.01	<0.036	<0.020	0.520	<0.030	<0.114	0.059	0.223	0.073	1.428	NS	0	0.0122	7.0E-07
G-2-2	7.5	S	03/03/14	684.0	NS	5.61	4.0	<0.360	<0.200	29.7	<0.300	6.4	13.2	41	12.8	62.6	NS			
G-2-3	10.0	S	03/03/14	32.3	NS						NOT SAMPLED						NS			
G-3-1	3.5	U	03/03/14	2.1	NS	16.2	<0.0092	<0.036	<0.020	<0.010	<0.030	<0.114	<0.020	<0.026	<0.026	<0.099	NS	0		
G-3-2	7.5	S	03/03/14	0.8	NS	4.35	<0.0092	<0.036	<0.020	<0.010	<0.030	<0.114	<0.020	<0.026	<0.026	<0.099	NS			
G-3-3	10.0	S	03/03/14	4.7	NS						NOT SAMPLED						NS			
G-4-1	3.5	U	03/03/14	0.7	NS	2.18	<0.0092	<0.036	<0.020	<0.010	<0.030	<0.114	<0.020	<0.026	<0.026	<0.099	NS	0		
G-4-2	7.5	S	03/03/14	0.7	NS	2.12	<0.0092	<0.036	<0.020	<0.010	<0.030	<0.114	<0.020	<0.026	<0.026	<0.099	NS			
G-4-3	10.0	S	03/03/14	6.2	NS						NOT SAMPLED						NS			
G-5-1	3.5	U	03/03/14	3.1	NS	2.94	<0.0092	<0.036	<0.020	<0.010	<0.030	<0.114	<0.020	<0.026	<0.026	<0.099	NS	0		
G-5-2	8.0	S	03/03/14	4.2	NS	3.93	<0.0092	<0.036	<0.020	<0.010	<0.030	<0.114	<0.020	<0.026	<0.026	<0.099	NS			
G-6-1	3.5	U	03/03/14	3.0	NS	2.27	<0.0092	<0.036	<0.020	<0.010	<0.030	<0.114	<0.020	<0.026	<0.026	<0.099	NS	0		
G-6-2	8.0	S	03/03/14	2.1	NS	8.4	<0.0092	<0.036	<0.020	<0.010	<0.030	<0.114	<0.020	<0.026	<0.026	<0.099	NS			
G-6-3	10.0	S	03/03/14	2.9	NS						NOT SAMPLED						NS			
G-7-1	3.5	U	03/03/14	3.2	NS	6.14	<0.0092	<0.036	<0.020	<0.010	<0.030	<0.114	<0.020	<0.026	<0.026	<0.099	NS	0		
G-7-2	8.0	S	03/03/14	1.5	NS						NOT SAMPLED						NS			
G-7-3	8.5	S	03/03/14	2.3	NS	2.75	<0.0092	<0.036	<0.020	<0.010	<0.030	<0.114	<0.020	<0.026	<0.026	<0.099	NS			
G-8-1	3.5	S	03/03/14	3.5	NS	15.9	<0.0092	<0.036	<0.020	<0.010	<0.030	<0.114	<0.020	<0.026	<0.026	<0.099	NS	0		
G-8-2	8.0	S	03/03/14	4.2	NS	6.68	<0.0092	<0.036	<0.020	<0.010	<0.030	<0.114	<0.020	<0.026	<0.026	<0.099	NS			
G-8-3	10.0	S	03/03/14	4.2	NS						NOT SAMPLED						NS			
G-9-1	3.5	U	03/03/14	5.2	NS	7.74	<0.0092	<0.036	<0.020	<0.010	<0.030	<0.114	<0.020	<0.026	<0.026	<0.099	NS	0		
G-9-2	8.0	S	03/03/14	3.4	NS						NOT SAMPLED						NS			
G-9-3	9.0	S	03/03/14	5.9	NS	1.15	<0.0092	<0.036	<0.020	<0.010	<0.030	<0.114	<0.020	<0.026	<0.026	<0.099	NS			
G-10-1	3.5	U	03/03/14	37.4	NS	13.2	0.254	<0.036	<0.020	0.580	<0.030	0.320	0.047	1.0	0.330	1.766	NS	0	0.0102	2.9E07
G-10-2	8.0	S	03/03/14	932.0	NS	3.04	0.320	<0.036	<0.020	0.093	<0.030	<0.114	0.121	0.066	0.031	0.137-0.168	NS			
G-10-3	12.0	S	03/03/14	12.4	NS						NOT SAMPLED						NS			
MW-1-1	3.5	U	04/25/16	1.8	NS	NS	0.06	NS	NS	<0.025	<0.025	<0.025	0.048	0.0275	<0.025	0.096	NS	0	0.0008	3.8E-08
MW-1-2	8.0	S	04/25/16	1900.0	NS	NS	2.49	NS	NS	11.9	<0.5	4.7	21.2	17	10.1	47.8	NS			
MW-1-3	11.0	S	04/25/16	6.3	NS	NS	0.059	NS	NS	0.0314	<0.025	<0.025	0.0278	<0.025	<0.025	<0.075	NS			
MW-1-4	15.0	S	04/25/16	20.0	NS	NS	<0.025	NS	NS	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.075	NS			
MW-2-1	3.5	U	04/25/16	1.2	NS						NOT SAMPLED						NS	0		
MW-2-2	7.0	S	04/25/16	9.5	NS	NS	0.117	NS	NS	0.065	<0.025	0.044	0.049	0.13	0.045	0.576	NS			
MW-2-3	12.0	S	04/25/16	1.7	NS						NOT SAMPLED						NS			
MW-2-4	15.0	S	04/25/16	1.6	NS						NOT SAMPLED						NS			
MW-3-1	3.5	S	04/25/16	1.4	NS						NOT SAMPLED						NS	0		
MW-3-2	8.0	S	04/25/16	1.4	NS						NOT SAMPLED						NS			
MW-3-3	12.0	S	04/25/16	1.3	NS						NOT SAMPLED						NS			
MW-3-4	15.0	S	04/25/16	1.4	NS						NOT SAMPLED						NS			
MW-4-1	3.5	U	04/25/16	1.6	NS						NOT SAMPLED						NS	0		
MW-4-2	8.0	S	04/25/16	1.2	NS						NOT SAMPLED						NS			
MW-4-3	12.0	S	04/25/16	1.2	NS						NOT SAMPLED						NS			
MW-4-4	15.0	S	04/25/16	1.2	NS						NOT SAMPLED						NS			
MW-5-1	3.5	U	04/25/16	1.2	NS						NOT SAMPLED						NS	0		
MW-5-2	8.0	S	04/25/16	1.3	NS						NOT SAMPLED						NS			
MW-5-3	12.0	S	04/25/16	1.2	NS						NOT SAMPLED						NS			
MW-5-4	15.0	S	04/25/16	1.2	NS						NOT SAMPLED						NS			
MW-6-1	3.5	U	04/25/16	1.4	NS						NOT SAMPLED						NS	0		
MW-6-2	8.0	S	04/25/16	1.5	NS						NOT SAMPLED						NS			
MW-6-3	12.0	S	04/25/16	1.7	NS						NOT SAMPLED						NS			
MW-6-4	15.0	S	04/25/16	1.8	NS						NOT SAMPLED						NS			
Groundwater RCL					-	27	0.00512	0.00284	0.0000282	1.57	0.027	0.6582	1.11	1.38		3.96				
Non-Industrial Direct Contact RCL					-	400	1.6	0.652	0.05	8.02	63.8	5.52	818	219	182	258			1.00E+00	1.00E-05
Industrial Direct Contact RCL					(-)	(800)	(7.07)	(2.87)	(0.221)	(35.4)	(282)	(24.1)	(818)	(219)	(182)	(258)			1.00E+00	1.00E-05
Soil Saturation Concentration (C-sat)*					-	-	1820*	540*	-	480*	8870*	-	818*	219*	182*	258*				

Bold = Groundwater RCL Exceedance
Bold & Underline = Non Industrial Direct Contact RCL Exceedance
(Bold & Parentheses) = Industrial Direct Contact RCL Exceedance
Bold & Asteric * = C-sat Exceedance
Italics = Industrial Direct Contact RCL
NS = Not Sampled
(ppm) = parts per million
DRO = Diesel Range Organics
GRO = Gasoline Range Organics
PID = Photoionization Detector
PVOC's = Petroleum Volatile Organic Compounds
VOC's = Volatile Organic Compounds
Note: Non-Industrial RCLs apply to this site.

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

A.2 Soil Analytical Results Table
Shortville Store BRRTS# 03-10-000581

																	DIRECT CONTACT PVOC			
Sample ID	Depth (feet)	Saturation U/S	Date	PID	TPH (ppm)	Lead (ppm)	Benzene (ppm)	1,2-Dichloroethane (DCA) (ppm)	1,2-Dibromoethane (EDB) (ppm)	Ethyl Benzene (ppm)	MTBE (ppm)	Naphthalene (ppm)	Toluene (ppm)	1,2,4-Trime-thylbenzene (ppm)	1,3,5-Trime-thylbenzene (ppm)	Xylene (Total) (ppm)	Other VOC's (ppm)	Exceedance Count	Hazard Index	Cumulative Cancer Risk
G-11-1	0-2	U	11/22/17	NM	NS	19.2	<0.025	NS	NS	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	NS	0		
G-11-2	2-4	U	11/22/17	NM	NS	3.98	<0.025	NS	NS	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	NS	0		
G-12-1	0-2	U	11/22/17	NM	NS	21.7	<0.025	NS	NS	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	NS	0		
G-12-2	2-4	U	11/22/17	NM	NS	10.2	<0.025	NS	NS	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	NS	0		
G-13-1	0-2	U	11/22/17	NM	NS	9.61	<0.025	NS	NS	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	NS	0		
G-13-2	2-4	U	11/22/17	NM	NS	7.81	<0.025	NS	NS	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	NS	0		
Groundwater RCL					-	27	0.00512	0.00284	0.0000282	1.57	0.027	0.6582	1.11	1.38		3.96				
Non-Industrial Direct Contact RCL					-	400	1.6	0.652	0.05	8.02	63.8	5.52	818	219	182	258			1.00E+00	1.00E-05
Industrial Direct Contact RCL					(-)	(800)	(7.07)	(2.87)	(0.221)	(35.4)	(282)	(24.1)	(818)	(219)	(182)	(258)			1.00E+00	1.00E-05
Soil Saturation Concentration (C-sat)*					-	-	1820*	540*	-	480*	8870*	-	818*	219*	182*	258*				

Bold = Groundwater RCL Exceedance
Bold & Underline = **Non Industrial Direct Contact RCL Exceedance**
(Bold & Parentheses) = Industrial Direct Contact RCL Exceedance
Bold & Asteric * = C-sat Exceedance
Italics = Industrial Direct Contact RCL
 NS = Not Sampled
 (ppm) = parts per million
 DRO = Diesel Range Organics
 GRO = Gasoline Range Organics
 PID = Photoionization Detector
 PVOC's = Petroleum Volatile Organic Compounds
 VOC's = Volatile Organic Compounds
Note: Non-Industrial RCLs apply to this site.

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

A.1 Groundwater Analytical Table
(Geoprobe)
Shortville Store BRRTS# 03-10-000581

Sample ID	Date	Benzene (ppb)	1,2-Dichloro-ethane (DCA) (ppb)	1,2-Dibromoe-thane (EDB) (ppb)	Ethyl Benzene (ppb)	MTBE (ppb)	Naph-thalene (ppb)	Toluene (ppb)	Trimethyl-benzenes (ppb)	Xylene (Total) (ppb)
SS-1	02/05/91	4700	NS	NS	11400	NS	NS	46800	NS	66000
G-2-W	03/03/14	860	<41	<44	4100	<23	420	8500	2710	14700
G-3-W	03/03/14	<1.2	<2.05	<2.2	<2.75	<1.15	<8.5	<3.45	<18	<6.60
G-4-W	03/03/14	<1.2	<2.05	<2.2	<2.75	<1.15	<8.5	<3.45	<18	<6.60
G-5-W	03/03/14	48	<2.05	<2.2	3.4	<1.15	9	4.2	68-75	108
G-6-W	03/03/14	0.6	<0.41	<0.44	9	<0.23	<1.7	8.6	9.48	31.4
G-7-W	03/03/14	<0.24	<0.41	<0.44	<0.55	<0.23	<1.7	<0.69	<3.6	<1.32
G-8-W	03/03/14	24.9	<2.05	<2.2	<2.75	<1.15	<8.5	<3.45	<18	3.8-6.95
G-9-W	03/03/14	<1.2	<2.05	<2.2	<2.75	<1.15	<8.5	<3.45	<18	<6.60
G-10-W	03/03/14	160	6.1	<0.44	53	<0.23	15.3	40	38.4	78.6
ENFORCE MENT STANDARD ES =		5	5	0.05	700	60	100	800	480	2000
PREVENTIVE ACTION LIMIT PAL =		0.5	0.5	0.005	140	12	10	160	96	400

NS = Not Sampled

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

DRO = Diesel Range Organics

GRO = Gasoline Range Organics

A.1 Groundwater Analytical Table
Shortville Store Site BRRT's# 03-10-000581

Well MW-1

PVC Elevation = 1007.73 (feet) (MSL)

Date	Water Elevation (in feet msl)	Depth to water from top of PVC (in feet)	Lead (ppb)	Benzene (ppb)	Ethyl Benzene (ppb)	MTBE (ppb)	Naphthalene (ppb)	Toluene (ppb)	Trimethyl-benzenes (ppb)	Xylene (Total) (ppb)
07/20/16	1003.21	4.52	1.8	3150	1110	<110	281	5000	490-640	3660
10/20/16	1004.38	3.35	2.0	3400	1140	<49	430	4300	608	3280
01/19/17	1004.78	2.95	1.6	1230	450	<43	<170	1370	272	1300
04/19/17	1005.11	2.62	<4.5	3080	1150	<8.2	420	5800	730	4290
07/19/17	1004.34	3.39	3.3	2260	1100	<41	530	5300	632	4010
10/19/17	1004.07	3.66	3.6	2320	720	<21.5	400	3300	447	2610
ENFORCE MENT STANDARD ES = Bold			15	5	700	60	100	800	480	2000
PREVENTIVE ACTION LIMIT <i>PAL = Italics</i>			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 = 1007.92 (feet) (MSL)

Date	Water Elevation (in feet msl)	Depth to water from top of PVC (in feet)	Lead (ppb)	Benzene (ppb)	Ethyl Benzene (ppb)	MTBE (ppb)	Naphthalene (ppb)	Toluene (ppb)	Trimethyl-benzenes (ppb)	Xylene (Total) (ppb)
07/20/16	1003.82	4.10	<0.8	167	101	<11	<16	33	130.7	454
10/20/16	1004.28	3.64	NS	114	3.09	<0.49	<2.6	1.47	0.89-1.72	<2.06
01/19/17	1004.31	3.61	NS	20.1	5.6	<0.43	<1.7	<0.33	6.4-6.98	3.9-4.51
04/19/17	1005.19	2.73	NS	<0.17	<0.2	<0.82	<2.17	<0.67	<2.05	<1.95
07/19/17	1004.63	3.29	NS	41	<0.2	<0.82	<2.17	<0.67	1.74-2.65	16.3-17.86
10/19/17	1004.21	3.71	NS	149	9.9	<0.43	<1.7	20.2	8.19	19.4
ENFORCE MENT STANDARD ES = Bold			15	5	700	60	100	800	480	2000
PREVENTIVE ACTION LIMIT <i>PAL = Italics</i>			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 = 1005.59 (feet) (MSL)

Date	Water Elevation (in feet msl)	Depth to water from top of PVC (in feet)	Lead (ppb)	Benzene (ppb)	Ethyl Benzene (ppb)	MTBE (ppb)	Naphthalene (ppb)	Toluene (ppb)	Trimethyl-benzenes (ppb)	Xylene (Total) (ppb)
07/20/16	1003.24	2.35	<0.8	0.58	<0.71	<1.1	<1.6	<0.44	<3.1	<3.1
10/20/16	1004.20	1.39	NS	1.2	<0.73	<0.49	<2.6	<0.39	<1.51	<2.06
01/19/17	1004.21	1.38	NS	1.0	<0.56	<0.43	<1.7	0.65	<1.14	<2.71
04/19/17	1004.62	0.97	NS	2.41	<0.2	<0.82	<2.17	<0.67	<2.05	<1.95
07/19/17	1003.94	1.65	NS	2.85	<0.2	<0.82	<2.17	<0.67	<2.05	<1.95
10/19/17	1003.75	1.84	NS	2.93	<0.56	<0.43	<1.7	3.4	<1.14	<1.71
ENFORCE MENT STANDARD ES = Bold			15	5	700	60	100	800	480	2000
PREVENTIVE ACTION LIMIT <i>PAL = Italics</i>			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
Shortville Store Site BRRT's# 03-10-000581

Well MW-4 Re-surveyed 10-19-17 1008.08
PVC Elevation = 1008.09 (feet) (MSL)

Date	Water Elevation (in feet msl)	Depth to water from top of PVC (in feet)	Lead (ppb)	Benzene (ppb)	Ethyl Benzene (ppb)	MTBE (ppb)	Naphthalene (ppb)	Toluene (ppb)	Trimethylbenzenes (ppb)	Xylene (Total) (ppb)
07/20/16	1003.05	5.04	<0.8	<0.44	<0.71	<1.1	<1.6	<0.44	<3.1	<3.1
10/20/16	1004.05	4.04	NS	<0.46	<0.73	<0.49	<2.6	<0.39	<1.51	<2.06
01/19/17	1004.34	3.75	NS	<0.27	<0.56	<0.43	<1.7	<0.33	<1.14	<2.71
04/19/17	1004.51	3.58	NS	<0.17	<0.2	<0.82	<2.17	<0.67	<2.05	<1.95
07/19/17	1003.84	4.25	NS	<0.17	<0.2	<0.82	<2.17	<0.67	<2.05	<1.95
10/19/17	1004.02	4.06	NS	1.09	<0.56	<0.43	<1.7	3.2	<1.14	<1.71
ENFORCE MENT STANDARD ES = Bold			15	5	700	60	100	800	480	2000
PREVENTIVE ACTION LIMIT PAL = Italics			<i>1.5</i>	<i>0.5</i>	<i>140</i>	<i>12</i>	<i>10</i>	<i>160</i>	<i>96</i>	<i>400</i>

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

Well MW-5 Re-surveyed 10-19-17 1008.22
PVC Elevation = 1008.32 (feet) (MSL)

Date	Water Elevation (in feet msl)	Depth to water from top of PVC (in feet)	Lead (ppb)	Benzene (ppb)	Ethyl Benzene (ppb)	MTBE (ppb)	Naphthalene (ppb)	Toluene (ppb)	Trimethylbenzenes (ppb)	Xylene (Total) (ppb)
07/20/16	1004.06	4.26	<0.8	<0.44	<0.71	<1.1	<1.6	<0.44	<3.1	<3.1
10/20/16	1004.63	3.69	NS	<0.46	<0.73	<0.49	<2.6	<0.39	<1.51	<2.06
01/19/17	1004.32	4.00	NS	<0.27	<0.56	<0.43	<1.7	<0.33	<1.14	<2.71
04/19/17	1005.40	2.92	NS	<0.17	<0.2	<0.82	<2.17	<0.67	<2.05	<1.95
07/19/17	1004.68	3.64	NS	<0.17	<0.2	<0.82	<2.17	<0.67	<2.05	<1.95
10/19/17	1004.38	3.84	NS	1.12	<0.56	<0.43	<1.7	4.0	<1.14	1.11-1.72
ENFORCE MENT STANDARD ES = Bold			15	5	700	60	100	800	480	2000
PREVENTIVE ACTION LIMIT PAL = Italics			<i>1.5</i>	<i>0.5</i>	<i>140</i>	<i>12</i>	<i>10</i>	<i>160</i>	<i>96</i>	<i>400</i>

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

Well MW-6
PVC Elevation = 1008.08 (feet) (MSL)

Date	Water Elevation (in feet msl)	Depth to water from top of PVC (in feet)	Lead (ppb)	Benzene (ppb)	Ethyl Benzene (ppb)	MTBE (ppb)	Naphthalene (ppb)	Toluene (ppb)	Trimethylbenzenes (ppb)	Xylene (Total) (ppb)
07/20/16	1004.53	3.55	<0.8	<0.44	<0.71	<1.1	<1.6	<0.44	<3.1	<3.1
10/20/16	1005.10	2.98	NS	<0.46	<0.73	<0.49	<2.6	<0.39	<1.51	<2.06
01/19/17	1005.28	2.80	NS	<0.27	<0.56	<0.43	<1.7	<0.33	<1.14	<2.71
04/19/17	1006.05	2.03	NS	<0.17	<0.2	<0.82	<2.17	<0.67	<2.05	<1.95
07/19/17	1005.37	2.71	NS	<0.17	<0.2	<0.82	<2.17	<0.67	<2.05	<1.95
10/19/17	1005.11	2.97	NS	0.68	<0.56	<0.43	<1.7	2.38	<1.14	<1.71
ENFORCE MENT STANDARD ES = Bold			15	5	700	60	100	800	480	2000
PREVENTIVE ACTION LIMIT PAL = Italics			<i>1.5</i>	<i>0.5</i>	<i>140</i>	<i>12</i>	<i>10</i>	<i>160</i>	<i>96</i>	<i>400</i>

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

A.1 Groundwater Analytical Table
Shortville Store Site BRRT's# 03-10-000581

Well Sampling Conducted on: 07/20/16 07/20/16 07/20/16 07/20/16 07/20/16 07/20/16

VOC's						
Well Name	MW-1	MW-2	MW-3	MW-4	MW-5	MW-6
Lead, dissolved/ppb	1.8 "J"	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8
Benzene/ppb	3150	167	0.58 "J"	< 0.44	< 0.44	< 0.44
Bromobenzene/ppb	< 48	< 4.8	< 0.48	< 0.48	< 0.48	< 0.48
Bromodichloromethane/ppb	< 46	< 4.6	< 0.46	< 0.46	< 0.46	< 0.46
Bromoform/ppb	< 46	< 4.6	< 0.46	< 0.46	< 0.46	< 0.46
tert-Butylbenzene/ppb	< 110	< 11	< 1.1	< 1.1	< 1.1	< 1.1
sec-Butylbenzene/ppb	< 120	< 12	< 1.2	< 1.2	< 1.2	< 1.2
n-Butylbenzene/ppb	< 100	< 10	< 1	< 1	< 1	< 1
Carbon Tetrachloride/ppb	< 51	< 5.1	< 0.51	< 0.51	< 0.51	< 0.51
Chlorobenzene/ppb	< 46	< 4.6	< 0.46	< 0.46	< 0.46	< 0.46
Chloroethane/ppb	< 65	< 6.5	< 0.65	< 0.65	< 0.65	< 0.65
Chloroform/ppb	< 43	< 4.3	< 0.43	< 0.43	< 0.43	< 0.43
Chloromethane/ppb	< 190	< 19	< 1.9	< 1.9	< 1.9	< 1.9
2-Chlorotoluene/ppb	< 40	< 4	< 0.4	< 0.4	< 0.4	< 0.4
4-Chlorotoluene/ppb	< 63	< 6.3	< 0.63	< 0.63	< 0.63	< 0.63
1,2-Dibromo-3-chloropropane/ppb	< 140	< 14	< 1.4	< 1.4	< 1.4	< 1.4
Dibromochloromethane/ppb	< 45	< 4.5	< 0.45	< 0.45	< 0.45	< 0.45
1,4-Dichlorobenzene/ppb	< 49	< 4.9	< 0.49	< 0.49	< 0.49	< 0.49
1,3-Dichlorobenzene/ppb	< 52	< 5.2	< 0.52	< 0.52	< 0.52	< 0.52
1,2-Dichlorobenzene/ppb	< 46	< 4.6	< 0.46	< 0.46	< 0.46	< 0.46
Dichlorodifluoromethane/ppb	< 87	< 8.7	< 0.87	< 0.87	< 0.87	< 0.87
1,2-Dichloroethane/ppb	< 48	< 4.8	2.45	< 0.48	< 0.48	< 0.48
1,1-Dichloroethane/ppb	< 110	< 11	< 1.1	< 1.1	< 1.1	< 1.1
1,1-Dichloroethene/ppb	< 65	< 6.5	< 0.65	< 0.65	< 0.65	< 0.65
cis-1,2-Dichloroethene/ppb	< 45	< 4.5	< 0.45	< 0.45	< 0.45	< 0.45
trans-1,2-Dichloroethene/ppb	< 54	< 5.4	< 0.54	< 0.54	< 0.54	< 0.54
1,2-Dichloropropane/ppb	< 43	< 4.3	< 0.43	< 0.43	< 0.43	< 0.43
2,2-Dichloropropane/ppb	< 310	< 31	< 3.1	< 3.1	< 3.1	< 3.1
1,3-Dichloropropane/ppb	< 42	< 4.2	< 0.42	< 0.42	< 0.42	< 0.42
Di-isopropyl ether/ppb	< 44	< 4.4	3.8	< 0.44	< 0.44	< 0.44
EDB (1,2-Dibromoethane)/ppb	< 63	< 6.3	< 0.63	< 0.63	< 0.63	< 0.63
Ethylbenzene/ppb	1110	101	< 0.71	< 0.71	< 0.71	< 0.71
Hexachlorobutadiene/ppb	< 220	< 22	< 2.2	< 2.2	< 2.2	< 2.2
Isopropylbenzene/ppb	< 82	< 8.2	< 0.82	< 0.82	< 0.82	< 0.82
p-Isopropyltoluene/ppb	< 110	< 11	< 1.1	< 1.1	< 1.1	< 1.1
Methylene chloride/ppb	< 130	< 13	< 1.3	< 1.3	< 1.3	< 1.3
Methyl tert-butyl ether (MTBE)/ppb	< 110	< 11	< 1.1	< 1.1	< 1.1	< 1.1
Naphthalene/ppb	281 "J"	< 16	< 1.6	< 1.6	< 1.6	< 1.6
n-Propylbenzene/ppb	< 77	17.3 "J"	< 0.77	< 0.77	< 0.77	< 0.77
1,1,2,2-Tetrachloroethane/ppb	< 52	< 5.2	< 0.52	< 0.52	< 0.52	< 0.52
1,1,1,2-Tetrachloroethane/ppb	< 48	< 4.8	< 0.48	< 0.48	< 0.48	< 0.48
Tetrachloroethene (PCE)/ppb	< 49	< 4.9	< 0.49	< 0.49	< 0.49	< 0.49
Toluene/ppb	5000	33	< 0.44	< 0.44	< 0.44	< 0.44
1,2,4-Trichlorobenzene/ppb	< 170	< 17	< 1.7	< 1.7	< 1.7	< 1.7
1,2,3-Trichlorobenzene/ppb	< 270	< 27	< 2.7	< 2.7	< 2.7	< 2.7
1,1,1-Trichloroethane/ppb	< 84	< 8.4	< 0.84	< 0.84	< 0.84	< 0.84
1,1,2-Trichloroethane/ppb	< 48	< 4.8	< 0.48	< 0.48	< 0.48	< 0.48
Trichloroethene (TCE)/ppb	< 47	< 4.7	< 0.47	< 0.47	< 0.47	< 0.47
Trichlorofluoromethane/ppb	< 87	< 8.7	< 0.87	< 0.87	< 0.87	< 0.87
1,2,4-Trimethylbenzene/ppb	490 "J"	107	< 1.6	< 1.6	< 1.6	< 1.6
1,3,5-Trimethylbenzene/ppb	< 150	23.7 "J"	< 1.5	< 1.5	< 1.5	< 1.5
Vinyl Chloride/ppb	< 17	< 1.7	< 0.17	< 0.17	< 0.17	< 0.17
m&p-Xylene/ppb	2650	261	< 2.2	< 2.2	< 2.2	< 2.2
o-Xylene/ppb	1010	193	< 0.9	< 0.9	< 0.9	< 0.9

ENFORCE MENT STANDARD = ES – Bold	PREVENTIVE ACTION LIMIT = PAL - Italics
15	1.5
5	0.5
==	==
0.6	0.06
4.4	0.44
==	==
==	==
==	==
5	0.5
==	==
400	80
6	0.6
30	3
==	==
==	==
0.2	0.02
60	6
75	15
600	120
600	60
1000	200
5	0.5
850	85
7	0.7
70	7
100	20
5	0.5
==	==
==	==
==	==
0.05	0.005
700	140
==	==
==	==
==	==
5	0.5
60	12
100	10
==	==
0.2	0.02
70	7
5	0.5
800	160
70	14
==	==
200	40
5	0.5
5	0.5
==	==
Total TMB's 480	Total TMB's 96
0.2	0.02
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.6 Water Level Elevations
Shortville Store Site BRRT's# 03-10-000581
Shortville, Wisconsin

	MW-1	MW-2	MW-3	MW-4	MW-5	MW-6
Ground Surface (feet msl)	1008.12	1008.41	1006.04	1008.49	1008.69	1008.38
PVC top (feet msl)	1007.73	1007.92	1005.59	1008.09	1008.32	1008.08
PVC top re-surveyed 10-19-17 (feet msl)				1008.08	1008.22	
Well Depth (feet)	14.00	14.00	14.00	14.00	14.00	13.00
Top of screen (feet msl)	1004.12	1004.41	1002.04	1004.49	1004.69	1005.38
Bottom of screen (feet msl)	994.12	994.41	992.04	994.49	994.69	995.38
Depth to Water From Top of PVC (feet)						
07/20/16	4.52	4.10	2.35	5.04	4.26	3.55
10/20/16	3.35	3.64	1.39	4.04	3.69	2.98
01/19/17	2.95	3.61	1.38	3.75	4.00	2.80
04/19/17	2.62	2.73	0.97	3.58	2.92	2.03
07/19/17	3.39	3.29	1.65	4.25	3.64	2.71
10/19/17	3.66	3.71	1.84	4.06	3.84	2.97
Depth to Water From Ground Surface (feet)						
07/20/16	4.91	4.59	2.80	5.44	4.63	3.85
10/20/16	3.74	4.13	1.84	4.44	4.06	3.28
01/19/17	3.34	4.10	1.83	4.15	4.37	3.10
04/19/17	3.01	3.22	1.42	3.98	3.29	2.33
07/19/17	3.78	3.78	2.10	4.65	4.01	3.01
10/19/17	4.05	4.20	2.29	4.47	4.31	3.27
Groundwater Elevation (feet msl)						
07/20/16	1003.21	1003.82	1003.24	1003.05	1004.06	1004.53
10/20/16	1004.38	1004.28	1004.20	1004.05	1004.63	1005.10
01/19/17	1004.78	1004.31	1004.21	1004.34	1004.32	1005.28
04/19/17	1005.11	1005.19	1004.62	1004.51	1005.40	1006.05
07/19/17	1004.34	1004.63	1003.94	1003.84	1004.68	1005.37
10/19/17	1004.07	1004.21	1003.75	1004.02	1004.38	1005.11

A.7 Other
Groundwater NA Indicator Results
Shortville Store Site BRRT's# 03-10-000581

Well MW-1

Date	Dissolved Oxygen (ppm)	pH	ORP	Temp (C)	Specific Conductance	Nitrate + Nitrite (ppm)	Total Sulfate (ppm)	Dissolved Iron (ppm)	Manganese (ppb)
07/20/16	0.47	6.43	-53	21.6	1740	0.44	1.45	35.9	8920
10/20/16	0.73	6.17	-4	15.9	1226	NS	NS	NS	NS
01/19/17	1.66	6.88	-43	4.9	892	NS	NS	NS	NS
04/19/17	3.01	6.73	-101	7.4	1450	NS	NS	NS	NS
07/19/17	1.67	6.59	4	16.6	536	NS	NS	NS	NS
10/19/17	1.29	7.12	33	15.6	219	NS	NS	NS	NS
ENFORCE MENT STANDARD = ES – Bold						10	-	-	300
PREVENTIVE ACTION LIMIT = <i>PAL - Italics</i>						<i>2</i>	-	-	<i>60</i>

(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)	Manganese (ppb)
07/20/16	0.53	6.07	69	17.4	1175	0.39	5.68	5.88	1680
10/20/16	1.89	5.96	45	15.3	610	NS	NS	NS	NS
01/19/17	1.93	6.5	-23	5.0	1012	NS	NS	NS	NS
04/19/17	9.97	6.41	239	7.0	308	NS	NS	NS	NS
07/19/17	3.83	7.16	247	16.4	1249	NS	NS	NS	NS
10/19/17	2.58	7.27	116	15.8	1536	NS	NS	NS	NS
ENFORCE MENT STANDARD = ES – Bold						10	-	-	300
PREVENTIVE ACTION LIMIT = <i>PAL - Italics</i>						<i>2</i>	-	-	<i>60</i>

(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)	Manganese (ppb)
07/20/16	0.50	6.14	198	14.7	1020	<0.15	9.78	0.38	1990
10/20/16	1.64	5.51	87	15.8	1012	NS	NS	NS	NS
01/19/17	2.87	6.62	21	5.5	711	NS	NS	NS	NS
04/19/17	4.15	6.21	221	5.97	1642	NS	NS	NS	NS
07/19/17	4.16	6.82	226	16.4	944	NS	NS	NS	NS
10/19/17	3.28	6.74	226	16.3	845	NS	NS	NS	NS
ENFORCE MENT STANDARD = ES – Bold						10	-	-	300
PREVENTIVE ACTION LIMIT = <i>PAL - Italics</i>						<i>2</i>	-	-	<i>60</i>

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

ns = not sampled

nm = not measured

ORP = Oxidation Reduction Potential

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

A.7 Other

Groundwater NA Indicator Results

Shortville Store Site BRRT's# 03-10-000581

Well MW-4

Date	Dissolved Oxygen (ppm)	pH	ORP	Temp (C)	Specific Conductance	Nitrate + Nitrite (ppm)	Total Sulfate (ppm)	Dissolved Iron (ppm)	Manganese (ppb)
07/20/16	0.42	5.48	161	12.2	724	<0.15	17.9	0.54	1170
10/20/16	2.17	6.03	191	15.7	613	NS	NS	NS	NS
01/19/17	4.63	6.19	71	5.2	756	NS	NS	NS	NS
04/19/17	7.38	5.81	288	5.92	329	NS	NS	NS	NS
07/19/17	5.13	6.47	304	16.1	811	NS	NS	NS	NS
10/19/17	3.18	7.16	218	15.9	1861	NS	NS	NS	NS
ENFORCE MENT STANDARD = ES – Bold						10	-	-	300
PREVENTIVE ACTION LIMIT = <i>PAL - Italics</i>						<i>2</i>	-	-	<i>60</i>

(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-5

Date	Dissolved Oxygen (ppm)	pH	ORP	Temp (C)	Specific Conductance	Nitrate + Nitrite (ppm)	Total Sulfate (ppm)	Dissolved Iron (ppm)	Manganese (ppb)
07/20/16	1.05	5.46	82	17.2	890	<0.15	11.1	1.46	1840
10/20/16	2.84	5.63	201	15.4	938	NS	NS	NS	NS
01/19/17	3.59	6.17	152	5.3	1053	NS	NS	NS	NS
04/19/17	12.97	6.36	299	7.96	610	NS	NS	NS	NS
07/19/17	4.82	6.99	296	16.3	1816	NS	NS	NS	NS
10/19/17	3.94	7.03	257	16.0	1017	NS	NS	NS	NS
ENFORCE MENT STANDARD = ES – Bold						10	-	-	300
PREVENTIVE ACTION LIMIT = <i>PAL - Italics</i>						<i>2</i>	-	-	<i>60</i>

(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-6

Date	Dissolved Oxygen (ppm)	pH	ORP	Temp (C)	Specific Conductance	Nitrate + Nitrite (ppm)	Total Sulfate (ppm)	Dissolved Iron (ppm)	Manganese (ppb)
07/20/16	1.43	5.47	331	17.9	452	0.69	11.3	0.22	376
10/20/16	3.11	5.58	203	15.6	365	NS	NS	NS	NS
01/19/17	6.32	5.53	276	5.1	576	NS	NS	NS	NS
04/19/17	14.05	5.62	269	7.78	477	NS	NS	NS	NS
07/19/17	5.78	7.06	313	15.9	3810	NS	NS	NS	NS
10/19/17	4.46	6.97	249	16.1	658	NS	NS	NS	NS
ENFORCE MENT STANDARD = ES – Bold						10	-	-	300
PREVENTIVE ACTION LIMIT = <i>PAL - Italics</i>						<i>2</i>	-	-	<i>60</i>

(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).



Photo 1: Looking west-northwest onto Mortenson property.



Photo 2: Intersection of STH 73 & Miller Avenue, looking west.



Photo 3: Standing on west side of Miller Avenue, looking southwest.



Photo 4: Standing on southwest corner of the intersection of STH 73 & Miller Avenue, looking north.



Photo 5: Looking north along Miller Avenue.

APPENDIX A/ METHODS OF INVESTIGATION

**Site Investigation Report - METCO
Shortville Store
Geoprobe Project**

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

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

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

Geoprobe Soil Sampling

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

Geoprobe Groundwater Sampling

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

Drilling Project

Soil borings were conducted by Geiss Soil & Samples LLC, Merrill, 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.

Site Investigation Report - METCO
Shortville Store
Field Screening

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

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

Monitoring Well Installation, Development, and Sampling

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

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

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

Each well was alternately surged and purged by METCO personnel with a bottom loading, disposable, polyethylene bailer for 15-20 minutes to remove fines from the well screen. Approximately 15-25 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.

Site Investigation Report - METCO

Shortville Store

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 April 28, 2016, DKS Transport Services, LLC, of Menomonie, Wisconsin picked-up and disposed of 2 drums of soil cuttings and 1 drum of purge water at the Advanced Disposal Seven Mile Creek Landfill in Eau Claire, Wisconsin.

APPENDIX B/ ANALYTICAL METHODS & LABORATORY DATA REPORTS

Synergy Environmental Lab,

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

JASON POWELL
METCO
709 GILLETTE ST
LA CROSSE, WI 54603-2382

Report Date 18-Mar-14

Project Name SHORTVILLE STORE
Project #

Invoice # E26616

Lab Code 5026616A
Sample ID G-1-1
Sample Matrix Soil
Sample Date 3/3/2014

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	88.6	%			1	5021		3/5/2014	MDK	1
Inorganic										
Metals										
Lead, Total	10.2	mg/Kg	0.3	0.96	1	6010B		3/11/2014	CWT	1
Organic										
PVOC + Nap + 1,2 DCA + EDB										
Benzene	410	ug/kg	92	290	10	8260B		3/15/2014	CJR	1
1,2-Dichloroethane	< 360	ug/kg	360	1140	10	8260B		3/15/2014	CJR	1
EDB (1,2-Dibromoethane)	< 200	ug/kg	200	640	10	8260B		3/15/2014	CJR	1
Ethylbenzene	14200	ug/kg	100	330	10	8260B		3/15/2014	CJR	1
Methyl tert-butyl ether (MTBE)	< 300	ug/kg	300	960	10	8260B		3/15/2014	CJR	7
Naphthalene	4600	ug/kg	1140	3630	10	8260B		3/15/2014	CJR	1
Toluene	3070	ug/kg	200	650	10	8260B		3/15/2014	CJR	1
1,2,4-Trimethylbenzene	42000	ug/kg	260	810	10	8260B		3/15/2014	CJR	1
1,3,5-Trimethylbenzene	12400	ug/kg	260	840	10	8260B		3/15/2014	CJR	1
m&p-Xylene	42000	ug/kg	680	2160	10	8260B		3/15/2014	CJR	1
o-Xylene	16300	ug/kg	310	980	10	8260B		3/15/2014	CJR	1

Project Name SHORTVILLE STORE

Invoice # E26616

Project

Lab Code 5026616B

Sample ID G-2-1

Sample Matrix Soil

Sample Date 3/3/2014

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	72.5	%			1	5021		3/5/2014	MDK	1
Inorganic										
Metals										
Lead, Total	10.1	mg/Kg	0.3	0.96	1	6010B		3/11/2014	CWT	1
Organic										
PVOC + Nap + 1,2 DCA + EDB										
Benzene	1010	ug/kg	9.2	29	1	8260B		3/14/2014	CJR	1
1,2-Dichloroethane	< 36	ug/kg	36	114	1	8260B		3/14/2014	CJR	1
EDB (1,2-Dibromoethane)	< 20	ug/kg	20	64	1	8260B		3/14/2014	CJR	1
Ethylbenzene	520	ug/kg	10	33	1	8260B		3/14/2014	CJR	1
Methyl tert-butyl ether (MTBE)	< 30	ug/kg	30	96	1	8260B		3/14/2014	CJR	7
Naphthalene	< 114	ug/kg	114	363	1	8260B		3/14/2014	CJR	1
Toluene	59 "J"	ug/kg	20	65	1	8260B		3/14/2014	CJR	1
1,2,4-Trimethylbenzene	223	ug/kg	26	81	1	8260B		3/14/2014	CJR	1
1,3,5-Trimethylbenzene	73 "J"	ug/kg	26	84	1	8260B		3/14/2014	CJR	1
m&p-Xylene	1140	ug/kg	68	216	1	8260B		3/14/2014	CJR	1
o-Xylene	288	ug/kg	31	98	1	8260B		3/14/2014	CJR	1

Lab Code 5026616C

Sample ID G-2-2

Sample Matrix Soil

Sample Date 3/3/2014

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	85.5	%			1	5021		3/5/2014	MDK	1
Inorganic										
Metals										
Lead, Total	5.61	mg/Kg	0.3	0.96	1	6010B		3/11/2014	CWT	1
Organic										
PVOC + Nap + 1,2 DCA + EDB										
Benzene	4000	ug/kg	92	290	10	8260B		3/15/2014	CJR	1
1,2-Dichloroethane	< 360	ug/kg	360	1140	10	8260B		3/15/2014	CJR	1
EDB (1,2-Dibromoethane)	< 200	ug/kg	200	640	10	8260B		3/15/2014	CJR	1
Ethylbenzene	29700	ug/kg	100	330	10	8260B		3/15/2014	CJR	1
Methyl tert-butyl ether (MTBE)	< 300	ug/kg	300	960	10	8260B		3/15/2014	CJR	7
Naphthalene	6400	ug/kg	1140	3630	10	8260B		3/15/2014	CJR	1
Toluene	13200	ug/kg	200	650	10	8260B		3/15/2014	CJR	1
1,2,4-Trimethylbenzene	41000	ug/kg	260	810	10	8260B		3/15/2014	CJR	1
1,3,5-Trimethylbenzene	12800	ug/kg	260	840	10	8260B		3/15/2014	CJR	1
m&p-Xylene	51000	ug/kg	680	2160	10	8260B		3/15/2014	CJR	1
o-Xylene	11600	ug/kg	310	980	10	8260B		3/15/2014	CJR	1

Project Name SHORTVILLE STORE
Project #

Invoice # E26616

Lab Code 5026616D
Sample ID G-3-1
Sample Matrix Soil
Sample Date 3/3/2014

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	87.7	%			1	5021		3/5/2014	MDK	1
Inorganic										
Metals										
Lead, Total	16.2	mg/Kg	0.3	0.96	1	6010B		3/11/2014	CWT	1
Organic										
PVOC + Nap + 1,2 DCA + EDB										
Benzene	< 9.2	ug/kg	9.2	29	1	8260B		3/14/2014	CJR	1
1,2-Dichloroethane	< 36	ug/kg	36	114	1	8260B		3/14/2014	CJR	1
EDB (1,2-Dibromoethane)	< 20	ug/kg	20	64	1	8260B		3/14/2014	CJR	1
Ethylbenzene	< 10	ug/kg	10	33	1	8260B		3/14/2014	CJR	1
Methyl tert-butyl ether (MTBE)	< 30	ug/kg	30	96	1	8260B		3/14/2014	CJR	7
Naphthalene	< 114	ug/kg	114	363	1	8260B		3/14/2014	CJR	1
Toluene	< 20	ug/kg	20	65	1	8260B		3/14/2014	CJR	1
1,2,4-Trimethylbenzene	< 26	ug/kg	26	81	1	8260B		3/14/2014	CJR	1
1,3,5-Trimethylbenzene	< 26	ug/kg	26	84	1	8260B		3/14/2014	CJR	1
m&p-Xylene	< 68	ug/kg	68	216	1	8260B		3/14/2014	CJR	1
o-Xylene	< 31	ug/kg	31	98	1	8260B		3/14/2014	CJR	1

Lab Code 5026616E
Sample ID G-3-2
Sample Matrix Soil
Sample Date 3/3/2014

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	77.7	%			1	5021		3/5/2014	MDK	1
Inorganic										
Metals										
Lead, Total	4.35	mg/Kg	0.3	0.96	1	6010B		3/11/2014	CWT	1
Organic										
PVOC + Nap + 1,2 DCA + EDB										
Benzene	< 9.2	ug/kg	9.2	29	1	8260B		3/14/2014	CJR	1
1,2-Dichloroethane	< 36	ug/kg	36	114	1	8260B		3/14/2014	CJR	1
EDB (1,2-Dibromoethane)	< 20	ug/kg	20	64	1	8260B		3/14/2014	CJR	1
Ethylbenzene	< 10	ug/kg	10	33	1	8260B		3/14/2014	CJR	1
Methyl tert-butyl ether (MTBE)	< 30	ug/kg	30	96	1	8260B		3/14/2014	CJR	7
Naphthalene	< 114	ug/kg	114	363	1	8260B		3/14/2014	CJR	1
Toluene	< 20	ug/kg	20	65	1	8260B		3/14/2014	CJR	1
1,2,4-Trimethylbenzene	< 26	ug/kg	26	81	1	8260B		3/14/2014	CJR	1
1,3,5-Trimethylbenzene	< 26	ug/kg	26	84	1	8260B		3/14/2014	CJR	1
m&p-Xylene	< 68	ug/kg	68	216	1	8260B		3/14/2014	CJR	1
o-Xylene	< 31	ug/kg	31	98	1	8260B		3/14/2014	CJR	1

Project Name SHORTVILLE STORE
Project #

Invoice # E26616

Lab Code 5026616F
Sample ID G-4-1
Sample Matrix Soil
Sample Date 3/3/2014

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	87.7	%			1	5021		3/5/2014	MDK	1
Inorganic										
Metals										
Lead, Total	2.18	mg/Kg	0.3	0.96	1	6010B		3/11/2014	CWT	1
Organic										
PVOC + Nap + 1,2 DCA + EDB										
Benzene	< 9.2	ug/kg	9.2	29	1	8260B		3/14/2014	CJR	1
1,2-Dichloroethane	< 36	ug/kg	36	114	1	8260B		3/14/2014	CJR	1
EDB (1,2-Dibromoethane)	< 20	ug/kg	20	64	1	8260B		3/14/2014	CJR	1
Ethylbenzene	< 10	ug/kg	10	33	1	8260B		3/14/2014	CJR	1
Methyl tert-butyl ether (MTBE)	< 30	ug/kg	30	96	1	8260B		3/14/2014	CJR	7
Naphthalene	< 114	ug/kg	114	363	1	8260B		3/14/2014	CJR	1
Toluene	< 20	ug/kg	20	65	1	8260B		3/14/2014	CJR	1
1,2,4-Trimethylbenzene	< 26	ug/kg	26	81	1	8260B		3/14/2014	CJR	1
1,3,5-Trimethylbenzene	< 26	ug/kg	26	84	1	8260B		3/14/2014	CJR	1
m&p-Xylene	< 68	ug/kg	68	216	1	8260B		3/14/2014	CJR	1
o-Xylene	< 31	ug/kg	31	98	1	8260B		3/14/2014	CJR	1

Lab Code 5026616G
Sample ID G-4-2
Sample Matrix Soil
Sample Date 3/3/2014

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	87.4	%			1	5021		3/5/2014	MDK	1
Inorganic										
Metals										
Lead, Total	2.12	mg/Kg	0.3	0.96	1	6010B		3/11/2014	CWT	1
Organic										
PVOC + Nap + 1,2 DCA + EDB										
Benzene	< 9.2	ug/kg	9.2	29	1	8260B		3/14/2014	CJR	1
1,2-Dichloroethane	< 36	ug/kg	36	114	1	8260B		3/14/2014	CJR	1
EDB (1,2-Dibromoethane)	< 20	ug/kg	20	64	1	8260B		3/14/2014	CJR	1
Ethylbenzene	< 10	ug/kg	10	33	1	8260B		3/14/2014	CJR	1
Methyl tert-butyl ether (MTBE)	< 30	ug/kg	30	96	1	8260B		3/14/2014	CJR	7
Naphthalene	< 114	ug/kg	114	363	1	8260B		3/14/2014	CJR	1
Toluene	< 20	ug/kg	20	65	1	8260B		3/14/2014	CJR	1
1,2,4-Trimethylbenzene	< 26	ug/kg	26	81	1	8260B		3/14/2014	CJR	1
1,3,5-Trimethylbenzene	< 26	ug/kg	26	84	1	8260B		3/14/2014	CJR	1
m&p-Xylene	< 68	ug/kg	68	216	1	8260B		3/14/2014	CJR	1
o-Xylene	< 31	ug/kg	31	98	1	8260B		3/14/2014	CJR	1

Project Name SHORTVILLE STORE

Invoice # E26616

Project #

Lab Code 5026616H

Sample ID G-5-1

Sample Matrix Soil

Sample Date 3/3/2014

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	89.5	%			1	5021		3/5/2014	MDK	1
Inorganic										
Metals										
Lead, Total	2.94	mg/Kg	0.3	0.96	1	6010B		3/11/2014	CWT	1
Organic										
PVOC + Nap + 1,2 DCA + EDB										
Benzene	< 9.2	ug/kg	9.2	29	1	8260B		3/14/2014	CJR	1
1,2-Dichloroethane	< 36	ug/kg	36	114	1	8260B		3/14/2014	CJR	1
EDB (1,2-Dibromoethane)	< 20	ug/kg	20	64	1	8260B		3/14/2014	CJR	1
Ethylbenzene	< 10	ug/kg	10	33	1	8260B		3/14/2014	CJR	1
Methyl tert-butyl ether (MTBE)	< 30	ug/kg	30	96	1	8260B		3/14/2014	CJR	7
Naphthalene	< 114	ug/kg	114	363	1	8260B		3/14/2014	CJR	1
Toluene	< 20	ug/kg	20	65	1	8260B		3/14/2014	CJR	1
1,2,4-Trimethylbenzene	< 26	ug/kg	26	81	1	8260B		3/14/2014	CJR	1
1,3,5-Trimethylbenzene	< 26	ug/kg	26	84	1	8260B		3/14/2014	CJR	1
m&p-Xylene	< 68	ug/kg	68	216	1	8260B		3/14/2014	CJR	1
o-Xylene	< 31	ug/kg	31	98	1	8260B		3/14/2014	CJR	1

Lab Code 5026616I

Sample ID G-5-2

Sample Matrix Soil

Sample Date 3/3/2014

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	88.3	%			1	5021		3/5/2014	MDK	1
Inorganic										
Metals										
Lead, Total	3.93	mg/Kg	0.3	0.96	1	6010B		3/11/2014	CWT	1
Organic										
PVOC + Nap + 1,2 DCA + EDB										
Benzene	< 9.2	ug/kg	9.2	29	1	8260B		3/14/2014	CJR	1
1,2-Dichloroethane	< 36	ug/kg	36	114	1	8260B		3/14/2014	CJR	1
EDB (1,2-Dibromoethane)	< 20	ug/kg	20	64	1	8260B		3/14/2014	CJR	1
Ethylbenzene	< 10	ug/kg	10	33	1	8260B		3/14/2014	CJR	1
Methyl tert-butyl ether (MTBE)	< 30	ug/kg	30	96	1	8260B		3/14/2014	CJR	7
Naphthalene	< 114	ug/kg	114	363	1	8260B		3/14/2014	CJR	1
Toluene	< 20	ug/kg	20	65	1	8260B		3/14/2014	CJR	1
1,2,4-Trimethylbenzene	< 26	ug/kg	26	81	1	8260B		3/14/2014	CJR	1
1,3,5-Trimethylbenzene	< 26	ug/kg	26	84	1	8260B		3/14/2014	CJR	1
m&p-Xylene	< 68	ug/kg	68	216	1	8260B		3/14/2014	CJR	1
o-Xylene	< 31	ug/kg	31	98	1	8260B		3/14/2014	CJR	1

Project Name SHORTVILLE STORE
Project #

Invoice # E26616

Lab Code 5026616J
Sample ID G-6-1
Sample Matrix Soil
Sample Date 3/3/2014

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	91.8	%			1	5021		3/5/2014	MDK	1
Inorganic										
Metals										
Lead, Total	2.27	mg/Kg	0.3	0.96	1	6010B		3/11/2014	CWT	1
Organic										
PVOC + Nap + 1,2 DCA + EDB										
Benzene	< 9.2	ug/kg	9.2	29	1	8260B		3/14/2014	CJR	1
1,2-Dichloroethane	< 36	ug/kg	36	114	1	8260B		3/14/2014	CJR	1
EDB (1,2-Dibromoethane)	< 20	ug/kg	20	64	1	8260B		3/14/2014	CJR	1
Ethylbenzene	< 10	ug/kg	10	33	1	8260B		3/14/2014	CJR	1
Methyl tert-butyl ether (MTBE)	< 30	ug/kg	30	96	1	8260B		3/14/2014	CJR	7
Naphthalene	< 114	ug/kg	114	363	1	8260B		3/14/2014	CJR	1
Toluene	< 20	ug/kg	20	65	1	8260B		3/14/2014	CJR	1
1,2,4-Trimethylbenzene	< 26	ug/kg	26	81	1	8260B		3/14/2014	CJR	1
1,3,5-Trimethylbenzene	< 26	ug/kg	26	84	1	8260B		3/14/2014	CJR	1
m&p-Xylene	< 68	ug/kg	68	216	1	8260B		3/14/2014	CJR	1
o-Xylene	< 31	ug/kg	31	98	1	8260B		3/14/2014	CJR	1

Lab Code 5026616K
Sample ID G-6-2
Sample Matrix Soil
Sample Date 3/3/2014

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	88.6	%			1	5021		3/5/2014	MDK	1
Inorganic										
Metals										
Lead, Total	8.40	mg/Kg	0.3	0.96	1	6010B		3/11/2014	CWT	1
Organic										
PVOC + Nap + 1,2 DCA + EDB										
Benzene	< 9.2	ug/kg	9.2	29	1	8260B		3/14/2014	CJR	1
1,2-Dichloroethane	< 36	ug/kg	36	114	1	8260B		3/14/2014	CJR	1
EDB (1,2-Dibromoethane)	< 20	ug/kg	20	64	1	8260B		3/14/2014	CJR	1
Ethylbenzene	< 10	ug/kg	10	33	1	8260B		3/14/2014	CJR	1
Methyl tert-butyl ether (MTBE)	< 30	ug/kg	30	96	1	8260B		3/14/2014	CJR	7
Naphthalene	< 114	ug/kg	114	363	1	8260B		3/14/2014	CJR	1
Toluene	< 20	ug/kg	20	65	1	8260B		3/14/2014	CJR	1
1,2,4-Trimethylbenzene	< 26	ug/kg	26	81	1	8260B		3/14/2014	CJR	1
1,3,5-Trimethylbenzene	< 26	ug/kg	26	84	1	8260B		3/14/2014	CJR	1
m&p-Xylene	< 68	ug/kg	68	216	1	8260B		3/14/2014	CJR	1
o-Xylene	< 31	ug/kg	31	98	1	8260B		3/14/2014	CJR	1

Project Name SHORTVILLE STORE

Invoice # E26616

Project

Lab Code 5026616L

Sample ID G-7-1

Sample Matrix Soil

Sample Date 3/3/2014

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	81.9	%			1	5021		3/5/2014	MDK	1
Inorganic										
Metals										
Lead, Total	6.14	mg/Kg	0.3	0.96	1	6010B		3/11/2014	CWT	1
Organic										
PVOC + Nap + 1,2 DCA + EDB										
Benzene	< 9.2	ug/kg	9.2	29	1	8260B		3/14/2014	CJR	1
1,2-Dichloroethane	< 36	ug/kg	36	114	1	8260B		3/14/2014	CJR	1
EDB (1,2-Dibromoethane)	< 20	ug/kg	20	64	1	8260B		3/14/2014	CJR	1
Ethylbenzene	< 10	ug/kg	10	33	1	8260B		3/14/2014	CJR	1
Methyl tert-butyl ether (MTBE)	< 30	ug/kg	30	96	1	8260B		3/14/2014	CJR	7
Naphthalene	< 114	ug/kg	114	363	1	8260B		3/14/2014	CJR	1
Toluene	< 20	ug/kg	20	65	1	8260B		3/14/2014	CJR	1
1,2,4-Trimethylbenzene	< 26	ug/kg	26	81	1	8260B		3/14/2014	CJR	1
1,3,5-Trimethylbenzene	< 26	ug/kg	26	84	1	8260B		3/14/2014	CJR	1
m&p-Xylene	< 68	ug/kg	68	216	1	8260B		3/14/2014	CJR	1
o-Xylene	< 31	ug/kg	31	98	1	8260B		3/14/2014	CJR	1

Lab Code 5026616M

Sample ID G-7-3

Sample Matrix Soil

Sample Date 3/3/2014

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	88.3	%			1	5021		3/5/2014	MDK	1
Inorganic										
Metals										
Lead, Total	2.75	mg/Kg	0.3	0.96	1	6010B		3/11/2014	CWT	1
Organic										
PVOC + Nap + 1,2 DCA + EDB										
Benzene	< 9.2	ug/kg	9.2	29	1	8260B		3/14/2014	CJR	1
1,2-Dichloroethane	< 36	ug/kg	36	114	1	8260B		3/14/2014	CJR	1
EDB (1,2-Dibromoethane)	< 20	ug/kg	20	64	1	8260B		3/14/2014	CJR	1
Ethylbenzene	< 10	ug/kg	10	33	1	8260B		3/14/2014	CJR	1
Methyl tert-butyl ether (MTBE)	< 30	ug/kg	30	96	1	8260B		3/14/2014	CJR	7
Naphthalene	< 114	ug/kg	114	363	1	8260B		3/14/2014	CJR	1
Toluene	< 20	ug/kg	20	65	1	8260B		3/14/2014	CJR	1
1,2,4-Trimethylbenzene	< 26	ug/kg	26	81	1	8260B		3/14/2014	CJR	1
1,3,5-Trimethylbenzene	< 26	ug/kg	26	84	1	8260B		3/14/2014	CJR	1
m&p-Xylene	< 68	ug/kg	68	216	1	8260B		3/14/2014	CJR	1
o-Xylene	< 31	ug/kg	31	98	1	8260B		3/14/2014	CJR	1

Project Name SHORTVILLE STORE

Invoice # E26616

Project

Lab Code 5026616N

Sample ID G-8-1

Sample Matrix Soil

Sample Date 3/3/2014

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	80.9	%			1	5021		3/5/2014	MDK	1
Inorganic										
Metals										
Lead, Total	15.9	mg/Kg	0.3	0.96	1	6010B		3/11/2014	CWT	1
Organic										
PVOC + Nap + 1,2 DCA + EDB										
Benzene	< 9.2	ug/kg	9.2	29	1	8260B		3/14/2014	CJR	1
1,2-Dichloroethane	< 36	ug/kg	36	114	1	8260B		3/14/2014	CJR	1
EDB (1,2-Dibromoethane)	< 20	ug/kg	20	64	1	8260B		3/14/2014	CJR	1
Ethylbenzene	< 10	ug/kg	10	33	1	8260B		3/14/2014	CJR	1
Methyl tert-butyl ether (MTBE)	< 30	ug/kg	30	96	1	8260B		3/14/2014	CJR	7
Naphthalene	< 114	ug/kg	114	363	1	8260B		3/14/2014	CJR	1
Toluene	< 20	ug/kg	20	65	1	8260B		3/14/2014	CJR	1
1,2,4-Trimethylbenzene	< 26	ug/kg	26	81	1	8260B		3/14/2014	CJR	1
1,3,5-Trimethylbenzene	< 26	ug/kg	26	84	1	8260B		3/14/2014	CJR	1
m&p-Xylene	< 68	ug/kg	68	216	1	8260B		3/14/2014	CJR	1
o-Xylene	< 31	ug/kg	31	98	1	8260B		3/14/2014	CJR	1

Lab Code 5026616O

Sample ID G-8-2

Sample Matrix Soil

Sample Date 3/3/2014

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	92.4	%			1	5021		3/5/2014	MDK	1
Inorganic										
Metals										
Lead, Total	6.68	mg/Kg	0.3	0.96	1	6010B		3/11/2014	CWT	1
Organic										
PVOC + Nap + 1,2 DCA + EDB										
Benzene	< 9.2	ug/kg	9.2	29	1	8260B		3/14/2014	CJR	1
1,2-Dichloroethane	< 36	ug/kg	36	114	1	8260B		3/14/2014	CJR	1
EDB (1,2-Dibromoethane)	< 20	ug/kg	20	64	1	8260B		3/14/2014	CJR	1
Ethylbenzene	< 10	ug/kg	10	33	1	8260B		3/14/2014	CJR	1
Methyl tert-butyl ether (MTBE)	< 30	ug/kg	30	96	1	8260B		3/14/2014	CJR	7
Naphthalene	< 114	ug/kg	114	363	1	8260B		3/14/2014	CJR	1
Toluene	< 20	ug/kg	20	65	1	8260B		3/14/2014	CJR	1
1,2,4-Trimethylbenzene	< 26	ug/kg	26	81	1	8260B		3/14/2014	CJR	1
1,3,5-Trimethylbenzene	< 26	ug/kg	26	84	1	8260B		3/14/2014	CJR	1
m&p-Xylene	< 68	ug/kg	68	216	1	8260B		3/14/2014	CJR	1
o-Xylene	< 31	ug/kg	31	98	1	8260B		3/14/2014	CJR	1

Project Name SHORTVILLE STORE
Project #

Invoice # E26616

Lab Code 5026616P
Sample ID G-9-1
Sample Matrix Soil
Sample Date 3/3/2014

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	78.4	%			1	5021		3/5/2014	MDK	1
Inorganic										
Metals										
Lead, Total	7.74	mg/Kg	0.3	0.96	1	6010B		3/11/2014	CWT	1
Organic										
PVOC + Nap + 1,2 DCA + EDB										
Benzene	< 9.2	ug/kg	9.2	29	1	8260B		3/14/2014	CJR	1
1,2-Dichloroethane	< 36	ug/kg	36	114	1	8260B		3/14/2014	CJR	1
EDB (1,2-Dibromoethane)	< 20	ug/kg	20	64	1	8260B		3/14/2014	CJR	1
Ethylbenzene	< 10	ug/kg	10	33	1	8260B		3/14/2014	CJR	1
Methyl tert-butyl ether (MTBE)	< 30	ug/kg	30	96	1	8260B		3/14/2014	CJR	7
Naphthalene	< 114	ug/kg	114	363	1	8260B		3/14/2014	CJR	1
Toluene	< 20	ug/kg	20	65	1	8260B		3/14/2014	CJR	1
1,2,4-Trimethylbenzene	< 26	ug/kg	26	81	1	8260B		3/14/2014	CJR	1
1,3,5-Trimethylbenzene	< 26	ug/kg	26	84	1	8260B		3/14/2014	CJR	1
m&p-Xylene	< 68	ug/kg	68	216	1	8260B		3/14/2014	CJR	1
o-Xylene	< 31	ug/kg	31	98	1	8260B		3/14/2014	CJR	1

Lab Code 5026616Q
Sample ID G-9-3
Sample Matrix Soil
Sample Date 3/3/2014

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	86.9	%			1	5021		3/5/2014	MDK	1
Inorganic										
Metals										
Lead, Total	1.15	mg/Kg	0.3	0.96	1	6010B		3/11/2014	CWT	1
Organic										
PVOC + Nap + 1,2 DCA + EDB										
Benzene	< 9.2	ug/kg	9.2	29	1	8260B		3/14/2014	CJR	1
1,2-Dichloroethane	< 36	ug/kg	36	114	1	8260B		3/14/2014	CJR	1
EDB (1,2-Dibromoethane)	< 20	ug/kg	20	64	1	8260B		3/14/2014	CJR	1
Ethylbenzene	< 10	ug/kg	10	33	1	8260B		3/14/2014	CJR	1
Methyl tert-butyl ether (MTBE)	< 30	ug/kg	30	96	1	8260B		3/14/2014	CJR	7
Naphthalene	< 114	ug/kg	114	363	1	8260B		3/14/2014	CJR	1
Toluene	< 20	ug/kg	20	65	1	8260B		3/14/2014	CJR	1
1,2,4-Trimethylbenzene	< 26	ug/kg	26	81	1	8260B		3/14/2014	CJR	1
1,3,5-Trimethylbenzene	< 26	ug/kg	26	84	1	8260B		3/14/2014	CJR	1
m&p-Xylene	< 68	ug/kg	68	216	1	8260B		3/14/2014	CJR	1
o-Xylene	< 31	ug/kg	31	98	1	8260B		3/14/2014	CJR	1

Project Name SHORTVILLE STORE

Invoice # E26616

Project #

Lab Code 5026616R

Sample ID G-10-1

Sample Matrix Soil

Sample Date 3/3/2014

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	83.8	%			1	5021		3/5/2014	MDK	1
Inorganic										
Metals										
Lead, Total	13.2	mg/Kg	0.3	0.96	1	6010B		3/11/2014	CWT	1
Organic										
PVOC + Nap + 1,2 DCA + EDB										
Benzene	254	ug/kg	9.2	29	1	8260B		3/14/2014	CJR	1
1,2-Dichloroethane	< 36	ug/kg	36	114	1	8260B		3/14/2014	CJR	1
EDB (1,2-Dibromoethane)	< 20	ug/kg	20	64	1	8260B		3/14/2014	CJR	1
Ethylbenzene	580	ug/kg	10	33	1	8260B		3/14/2014	CJR	1
Methyl tert-butyl ether (MTBE)	< 30	ug/kg	30	96	1	8260B		3/14/2014	CJR	7
Naphthalene	320 "J"	ug/kg	114	363	1	8260B		3/14/2014	CJR	1
Toluene	47 "J"	ug/kg	20	65	1	8260B		3/14/2014	CJR	1
1,2,4-Trimethylbenzene	1000	ug/kg	26	81	1	8260B		3/14/2014	CJR	1
1,3,5-Trimethylbenzene	330	ug/kg	26	84	1	8260B		3/14/2014	CJR	1
m&p-Xylene	1630	ug/kg	68	216	1	8260B		3/14/2014	CJR	1
o-Xylene	136	ug/kg	31	98	1	8260B		3/14/2014	CJR	1

Lab Code 5026616S

Sample ID G-10-2

Sample Matrix Soil

Sample Date 3/3/2014

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	90.5	%			1	5021		3/5/2014	MDK	1
Inorganic										
Metals										
Lead, Total	3.04	mg/Kg	0.3	0.96	1	6010B		3/11/2014	CWT	1
Organic										
PVOC + Nap + 1,2 DCA + EDB										
Benzene	320	ug/kg	9.2	29	1	8260B		3/15/2014	CJR	1
1,2-Dichloroethane	< 36	ug/kg	36	114	1	8260B		3/15/2014	CJR	1
EDB (1,2-Dibromoethane)	< 20	ug/kg	20	64	1	8260B		3/15/2014	CJR	1
Ethylbenzene	93	ug/kg	10	33	1	8260B		3/15/2014	CJR	1
Methyl tert-butyl ether (MTBE)	< 30	ug/kg	30	96	1	8260B		3/15/2014	CJR	7
Naphthalene	< 114	ug/kg	114	363	1	8260B		3/15/2014	CJR	1
Toluene	121	ug/kg	20	65	1	8260B		3/15/2014	CJR	1
1,2,4-Trimethylbenzene	66 "J"	ug/kg	26	81	1	8260B		3/15/2014	CJR	1
1,3,5-Trimethylbenzene	31 "J"	ug/kg	26	84	1	8260B		3/15/2014	CJR	1
m&p-Xylene	137 "J"	ug/kg	68	216	1	8260B		3/15/2014	CJR	1
o-Xylene	< 31	ug/kg	31	98	1	8260B		3/15/2014	CJR	1

Project Name SHORTVILLE STORE

Invoice # E26616

Project

Lab Code 5026616T

Sample ID METH BLANK

Sample Matrix Soil

Sample Date 3/3/2014

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Nap + 1,2 DCA + EDB										
Benzene	< 9.2	ug/kg	9.2	29	1	8260B		3/14/2014	CJR	1
1,2-Dichloroethane	< 36	ug/kg	36	114	1	8260B		3/14/2014	CJR	1
EDB (1,2-Dibromoethane)	< 20	ug/kg	20	64	1	8260B		3/14/2014	CJR	1
Ethylbenzene	< 10	ug/kg	10	33	1	8260B		3/14/2014	CJR	1
Methyl tert-butyl ether (MTBE)	< 30	ug/kg	30	96	1	8260B		3/14/2014	CJR	7
Naphthalene	< 114	ug/kg	114	363	1	8260B		3/14/2014	CJR	1
Toluene	< 20	ug/kg	20	65	1	8260B		3/14/2014	CJR	1
1,2,4-Trimethylbenzene	< 26	ug/kg	26	81	1	8260B		3/14/2014	CJR	1
1,3,5-Trimethylbenzene	< 26	ug/kg	26	84	1	8260B		3/14/2014	CJR	1
m&p-Xylene	< 68	ug/kg	68	216	1	8260B		3/14/2014	CJR	1
o-Xylene	< 31	ug/kg	31	98	1	8260B		3/14/2014	CJR	1

Lab Code 5026616U

Sample ID TRIP BLANK

Sample Matrix Water

Sample Date 3/3/2014

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Nap + 1,2 DCA + EDB										
Benzene	< 0.24	ug/l	0.24	0.77	1	8260B		3/7/2014	CJR	1
1,2-Dichloroethane	< 0.41	ug/l	0.41	1.3	1	8260B		3/7/2014	CJR	1
EDB (1,2-Dibromoethane)	< 0.44	ug/l	0.44	1.4	1	8260B		3/7/2014	CJR	1
Ethylbenzene	< 0.55	ug/l	0.55	1.7	1	8260B		3/7/2014	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.23	ug/l	0.23	0.74	1	8260B		3/7/2014	CJR	1
Naphthalene	< 1.7	ug/l	1.7	5.5	1	8260B		3/7/2014	CJR	1
Toluene	< 0.69	ug/l	0.69	2.2	1	8260B		3/7/2014	CJR	1
1,2,4-Trimethylbenzene	< 2.2	ug/l	2.2	6.9	1	8260B		3/7/2014	CJR	1
1,3,5-Trimethylbenzene	< 1.4	ug/l	1.4	4.5	1	8260B		3/7/2014	CJR	1
m&p-Xylene	< 0.69	ug/l	0.69	2.2	1	8260B		3/7/2014	CJR	1
o-Xylene	< 0.63	ug/l	0.63	2	1	8260B		3/7/2014	CJR	1

Lab Code 5026616V

Sample ID G-2-W

Sample Matrix Water

Sample Date 3/3/2014

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Nap + 1,2 DCA + EDB										
Benzene	860	ug/l	24	77	100	8260B		3/11/2014	CJR	1
1,2-Dichloroethane	< 41	ug/l	41	130	100	8260B		3/11/2014	CJR	1
EDB (1,2-Dibromoethane)	< 44	ug/l	44	140	100	8260B		3/11/2014	CJR	1
Ethylbenzene	4100	ug/l	55	170	100	8260B		3/11/2014	CJR	1
Methyl tert-butyl ether (MTBE)	< 23	ug/l	23	74	100	8260B		3/11/2014	CJR	1
Naphthalene	420 "J"	ug/l	170	550	100	8260B		3/11/2014	CJR	3
Toluene	8500	ug/l	69	220	100	8260B		3/11/2014	CJR	1
1,2,4-Trimethylbenzene	2150	ug/l	220	690	100	8260B		3/11/2014	CJR	1
1,3,5-Trimethylbenzene	560	ug/l	140	450	100	8260B		3/11/2014	CJR	1
m&p-Xylene	10300	ug/l	69	220	100	8260B		3/11/2014	CJR	1
o-Xylene	4400	ug/l	63	200	100	8260B		3/11/2014	CJR	1

Project Name SHORTVILLE STORE
Project #

Invoice # E26616

Lab Code 5026616W
Sample ID G-3-W
Sample Matrix Water
Sample Date 3/3/2014

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Nap + 1,2 DCA + EDB										
Benzene	< 1.2	ug/l	1.2	3.85	5	8260B		3/11/2014	CJR	1 49
1,2-Dichloroethane	< 2.05	ug/l	2.05	6.5	5	8260B		3/11/2014	CJR	1 49
EDB (1,2-Dibromoethane)	< 2.2	ug/l	2.2	7	5	8260B		3/11/2014	CJR	1 49
Ethylbenzene	< 2.75	ug/l	2.75	8.5	5	8260B		3/11/2014	CJR	1 49
Methyl tert-butyl ether (MTBE)	< 1.15	ug/l	1.15	3.7	5	8260B		3/11/2014	CJR	1 49
Naphthalene	< 8.5	ug/l	8.5	27.5	5	8260B		3/11/2014	CJR	1 49
Toluene	< 3.45	ug/l	3.45	11	5	8260B		3/11/2014	CJR	1 49
1,2,4-Trimethylbenzene	< 11	ug/l	11	34.5	5	8260B		3/11/2014	CJR	1 49
1,3,5-Trimethylbenzene	< 7	ug/l	7	22.5	5	8260B		3/11/2014	CJR	1 49
m&p-Xylene	< 3.45	ug/l	3.45	11	5	8260B		3/11/2014	CJR	1 49
o-Xylene	< 3.15	ug/l	3.15	10	5	8260B		3/11/2014	CJR	1 49

Lab Code 5026616X
Sample ID G-4-W
Sample Matrix Water
Sample Date 3/3/2014

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Nap + 1,2 DCA + EDB										
Benzene	< 1.2	ug/l	1.2	3.85	5	8260B		3/7/2014	CJR	1 49
1,2-Dichloroethane	< 2.05	ug/l	2.05	6.5	5	8260B		3/7/2014	CJR	1 49
EDB (1,2-Dibromoethane)	< 2.2	ug/l	2.2	7	5	8260B		3/7/2014	CJR	1 49
Ethylbenzene	< 2.75	ug/l	2.75	8.5	5	8260B		3/7/2014	CJR	1 49
Methyl tert-butyl ether (MTBE)	< 1.15	ug/l	1.15	3.7	5	8260B		3/7/2014	CJR	1 49
Naphthalene	< 8.5	ug/l	8.5	27.5	5	8260B		3/7/2014	CJR	1 49
Toluene	< 3.45	ug/l	3.45	11	5	8260B		3/7/2014	CJR	1 49
1,2,4-Trimethylbenzene	< 11	ug/l	11	34.5	5	8260B		3/7/2014	CJR	1 49
1,3,5-Trimethylbenzene	< 7	ug/l	7	22.5	5	8260B		3/7/2014	CJR	1 49
m&p-Xylene	< 3.45	ug/l	3.45	11	5	8260B		3/7/2014	CJR	1 49
o-Xylene	< 3.15	ug/l	3.15	10	5	8260B		3/7/2014	CJR	1 49

Lab Code 5026616Y
Sample ID G-5-W
Sample Matrix Water
Sample Date 3/3/2014

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Nap + 1,2 DCA + EDB										
Benzene	48	ug/l	1.2	3.85	5	8260B		3/7/2014	CJR	1 49
1,2-Dichloroethane	< 2.05	ug/l	2.05	6.5	5	8260B		3/7/2014	CJR	1 49
EDB (1,2-Dibromoethane)	< 2.2	ug/l	2.2	7	5	8260B		3/7/2014	CJR	1 49
Ethylbenzene	3.4 "J"	ug/l	2.75	8.5	5	8260B		3/7/2014	CJR	1 49
Methyl tert-butyl ether (MTBE)	< 1.15	ug/l	1.15	3.7	5	8260B		3/7/2014	CJR	1 49
Naphthalene	9 "J"	ug/l	8.5	27.5	5	8260B		3/7/2014	CJR	1 49
Toluene	4.2 "J"	ug/l	3.45	11	5	8260B		3/7/2014	CJR	1 49
1,2,4-Trimethylbenzene	68	ug/l	11	34.5	5	8260B		3/7/2014	CJR	1 49
1,3,5-Trimethylbenzene	< 7	ug/l	7	22.5	5	8260B		3/7/2014	CJR	1 49
m&p-Xylene	63	ug/l	3.45	11	5	8260B		3/7/2014	CJR	1 49
o-Xylene	45	ug/l	3.15	10	5	8260B		3/7/2014	CJR	1 49

Project Name SHORTVILLE STORE

Invoice # E26616

Project #

Lab Code 5026616Z

Sample ID G-6-W

Sample Matrix Water

Sample Date 3/3/2014

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Nap + 1,2 DCA + EDB										
Benzene	0.60 "J"	ug/l	0.24	0.77	1	8260B		3/7/2014	CJR	1
1,2-Dichloroethane	< 0.41	ug/l	0.41	1.3	1	8260B		3/7/2014	CJR	1
EDB (1,2-Dibromoethane)	< 0.44	ug/l	0.44	1.4	1	8260B		3/7/2014	CJR	1
Ethylbenzene	9.0	ug/l	0.55	1.7	1	8260B		3/7/2014	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.23	ug/l	0.23	0.74	1	8260B		3/7/2014	CJR	1
Naphthalene	< 1.7	ug/l	1.7	5.5	1	8260B		3/7/2014	CJR	1
Toluene	8.6	ug/l	0.69	2.2	1	8260B		3/7/2014	CJR	1
1,2,4-Trimethylbenzene	7.3	ug/l	2.2	6.9	1	8260B		3/7/2014	CJR	1
1,3,5-Trimethylbenzene	2.18 "J"	ug/l	1.4	4.5	1	8260B		3/7/2014	CJR	1
m&p-Xylene	23	ug/l	0.69	2.2	1	8260B		3/7/2014	CJR	1
o-Xylene	8.4	ug/l	0.63	2	1	8260B		3/7/2014	CJR	1

Lab Code 526616AA

Sample ID G-7-W

Sample Matrix Water

Sample Date 3/3/2014

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Nap + 1,2 DCA + EDB										
Benzene	< 0.24	ug/l	0.24	0.77	1	8260B		3/7/2014	CJR	1
1,2-Dichloroethane	< 0.41	ug/l	0.41	1.3	1	8260B		3/7/2014	CJR	1
EDB (1,2-Dibromoethane)	< 0.44	ug/l	0.44	1.4	1	8260B		3/7/2014	CJR	1
Ethylbenzene	< 0.55	ug/l	0.55	1.7	1	8260B		3/7/2014	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.23	ug/l	0.23	0.74	1	8260B		3/7/2014	CJR	1
Naphthalene	< 1.7	ug/l	1.7	5.5	1	8260B		3/7/2014	CJR	1
Toluene	< 0.69	ug/l	0.69	2.2	1	8260B		3/7/2014	CJR	1
1,2,4-Trimethylbenzene	< 2.2	ug/l	2.2	6.9	1	8260B		3/7/2014	CJR	1
1,3,5-Trimethylbenzene	< 1.4	ug/l	1.4	4.5	1	8260B		3/7/2014	CJR	1
m&p-Xylene	< 0.69	ug/l	0.69	2.2	1	8260B		3/7/2014	CJR	1
o-Xylene	< 0.63	ug/l	0.63	2	1	8260B		3/7/2014	CJR	1

Lab Code 526616BB

Sample ID G-8-W

Sample Matrix Water

Sample Date 3/3/2014

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Nap + 1,2 DCA + EDB										
Benzene	24.9	ug/l	1.2	3.85	5	8260B		3/7/2014	CJR	149
1,2-Dichloroethane	< 2.05	ug/l	2.05	6.5	5	8260B		3/7/2014	CJR	149
EDB (1,2-Dibromoethane)	< 2.2	ug/l	2.2	7	5	8260B		3/7/2014	CJR	149
Ethylbenzene	< 2.75	ug/l	2.75	8.5	5	8260B		3/7/2014	CJR	149
Methyl tert-butyl ether (MTBE)	< 1.15	ug/l	1.15	3.7	5	8260B		3/7/2014	CJR	149
Naphthalene	< 8.5	ug/l	8.5	27.5	5	8260B		3/7/2014	CJR	149
Toluene	< 3.45	ug/l	3.45	11	5	8260B		3/7/2014	CJR	149
1,2,4-Trimethylbenzene	< 11	ug/l	11	34.5	5	8260B		3/7/2014	CJR	149
1,3,5-Trimethylbenzene	< 7	ug/l	7	22.5	5	8260B		3/7/2014	CJR	149
m&p-Xylene	3.8 "J"	ug/l	3.45	11	5	8260B		3/7/2014	CJR	149
o-Xylene	< 3.15	ug/l	3.15	10	5	8260B		3/7/2014	CJR	149

Project Name SHORTVILLE STORE

Invoice # E26616

Project #

Lab Code 526616CC

Sample ID G-9-W

Sample Matrix Water

Sample Date 3/3/2014

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Nap + 1,2 DCA + EDB										
Benzene	< 1.2	ug/l	1.2	3.85	5	8260B		3/7/2014	CJR	1 49
1,2-Dichloroethane	< 2.05	ug/l	2.05	6.5	5	8260B		3/7/2014	CJR	1 49
EDB (1,2-Dibromoethane)	< 2.2	ug/l	2.2	7	5	8260B		3/7/2014	CJR	1 49
Ethylbenzene	< 2.75	ug/l	2.75	8.5	5	8260B		3/7/2014	CJR	1 49
Methyl tert-butyl ether (MTBE)	< 1.15	ug/l	1.15	3.7	5	8260B		3/7/2014	CJR	1 49
Naphthalene	< 8.5	ug/l	8.5	27.5	5	8260B		3/7/2014	CJR	1 49
Toluene	< 3.45	ug/l	3.45	11	5	8260B		3/7/2014	CJR	1 49
1,2,4-Trimethylbenzene	< 11	ug/l	11	34.5	5	8260B		3/7/2014	CJR	1 49
1,3,5-Trimethylbenzene	< 7	ug/l	7	22.5	5	8260B		3/7/2014	CJR	1 49
m&p-Xylene	< 3.45	ug/l	3.45	11	5	8260B		3/7/2014	CJR	1 49
o-Xylene	< 3.15	ug/l	3.15	10	5	8260B		3/7/2014	CJR	1 49

Lab Code 526616DD

Sample ID G-10-W

Sample Matrix Water

Sample Date 3/3/2014

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Nap + 1,2 DCA + EDB										
Benzene	160	ug/l	0.24	0.77	1	8260B		3/7/2014	CJR	1
1,2-Dichloroethane	6.1	ug/l	0.41	1.3	1	8260B		3/7/2014	CJR	1
EDB (1,2-Dibromoethane)	< 0.44	ug/l	0.44	1.4	1	8260B		3/7/2014	CJR	1
Ethylbenzene	53	ug/l	0.55	1.7	1	8260B		3/7/2014	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.23	ug/l	0.23	0.74	1	8260B		3/7/2014	CJR	1
Naphthalene	15.3	ug/l	1.7	5.5	1	8260B		3/7/2014	CJR	1
Toluene	40	ug/l	0.69	2.2	1	8260B		3/7/2014	CJR	1
1,2,4-Trimethylbenzene	25.7	ug/l	2.2	6.9	1	8260B		3/7/2014	CJR	1
1,3,5-Trimethylbenzene	12.7	ug/l	1.4	4.5	1	8260B		3/7/2014	CJR	1
m&p-Xylene	69	ug/l	0.69	2.2	1	8260B		3/7/2014	CJR	1
o-Xylene	9.6	ug/l	0.63	2	1	8260B		3/7/2014	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.
 3 The matrix spike not within established limits.
 7 The LCS not within established limits.
 49 Sample diluted to compensate for matrix interference.

CWT denotes sub contract lab - Certification #445126660

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

Authorized Signature

Michael Ricker

CHAIN OF STUDY RECORD

Synergy

Chain # No 263

Page 1 of 3

Environmental Lab, Inc.

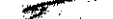
1990 Prospect Ct. • Appleton, WI 54914
920-830-2455 • FAX 920-733-0631

Sample Handling Request

Rush Analysis Date Required

(Rushes accepted only with prior authorization)

X Normal Turn Around

Account No.:		Quote No.:
Project #:		
Sampler (signature): 		

Project (Name/Location): <u>Short Villa Store</u>	
Reports To: <u>David Hon</u>	Invoice To: <u>Jason Powell</u>
Company: <u>WDNR</u>	Company: <u>MECO</u>
Address: <u>1300 W Chippewa Ave</u>	Address: <u>709 Grillette St, Ste 3</u>
City/State/Zip: <u>Eau Claire, WI 54601</u>	City/State/Zip: <u>La Crosse, WI 54603</u>
Phone: <u>(715) 839-3760</u>	Phone: <u>(608) 781-8879</u>
FAX:	FAX: <u>8873</u>

Analysis Requested		Other Analysis
DRO (Mod DRO Sep 96)		PID
GRO (Mod GRO Sep 96)		FID
LEAD	X	
NITRATE/NITRITE		
OIL & GREASE		
PAH (EPA 8270)		
PVOC (EPA 8021)		
PVOC + NAPHTHALENE	X	
SULFATE		
TOTAL SUSPENDED SOLIDS		
VOC DW (EPA 542.2)		
VOC (EPA 8260)		
B-PCHA METALS		
	X 1,2-DCA	
	X EDB	

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.

Sample Integrity: To be completed by receiving lab Material shipped ☒ Not Temp. of temp. placed ☒ QC Office Cooler seal intact upon receipt ☒ Yes ☐ No	Relinquished By: (sign)	Time	Date	Received By: (sign)	Time	Date
	<i>[Signature]</i>	8:00 AM	3/4/14			
	Received in Laboratory By:				Time:	Date:
	<i>[Signature]</i>				8:00	3/4/14

CHAIN OF (STUDY RECORD

Synergy

Environmental Lab, Inc.

Chain # No 253
Page 2 of 3

Sample Handling Request

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

Account No.:	Quote No.:
Project #:	
Sampler: (signature) <i>E. Dine</i>	

1990 Prospect Ct. • Appleton, WI 54914
920-830-2455 • FAX 920-733-0631Project (Name / Location): *Shortville Store*Reports To: *See Page 1* →

Company: _____

Address: _____

City/State/Zip: _____

Phone: _____

FAX: _____

Analysis Requested

Other Analysis

Lab ID	Sample I.D.	Collection Date	Time	Comp	Grab	Filtered Y/N	No. of Containers	Sample Type (Matrix)*	Preservation	DRO (Mod DRO Sep 95)	GRD (Mod GRD Sep 95)	LEAD	NITRATE/NITRITE	OIL & GREASE	PAH (EPA 8270)	PVOC (EPA 8021)	PVOC + NAPHTHALENE	SULFATE	TOTAL SUSPENDED SOLIDS	VOC DW (EPA 822.2)	VOC (EPA 8260)	8-PCRA METALS	1,2-DcA	EDB	PID/ FID
G-6-2	G-6-2	3/3/14	11:30		X		3	S	MeOH/AC			X					X					X	X		
G-7-1	G-7-1		12:00																						
G-7-3	G-7-3		12:10																						
G-8-1	G-8-1		12:25																						
G-8-2	G-8-2		12:40																						
G-9-1	G-9-1		1:00																						
G-9-3	G-9-3		1:10																						
G-10-1	G-10-1		3:40																						
G-10-2	G-10-2		3:45																						
Meta Blank	Meta Blank						1		MeOH																

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: *Box*Type of Temp Blank: *Control*Check for and record upon receipt: *Yes*

Relinquished By: (sign)

Time

Date

Received By: (sign)

Time

Date

Received in Laboratory By: *Chris Dine*Time: *8:00*Date: *3/6/14*

CHAIN OF STUDY RECORD

SynergyChain # N^o 253(

Page 3 of 3

Environmental Lab, Inc.1990 Prospect Ct. • Appleton, WI 54914
920-830-2455 • FAX 920-733-0631**Sample Handling Request**Rush Analysis Date Required _____
(Rushes accepted only with prior authorization)☒ Normal Turn Around

Account No.:	Quote No.:
Project #:	
Sampler (signature): <i>[Signature]</i>	

Project (Name / Location): Shortville StoreReports To: See Page 1

Company:

Address:

City/State/Zip:

Phone:

FAX:

Analysis Requested

Other Analysis

Lab No.	Sample I.D.	Collection Date Time	Comp	Grab	Filtered Y/N	No. of Containers	Sample Type (Matrix)*	Preservation	DRO (Mod DRO Sep 95)	GRO (Mod GRO Sep 95)	LEAD	NITRATE/NITRITE	OIL & GREASE	PAH (EPA 8270)	PVOC (EPA 8021)	PVOC + NAPHTHALENE	SULFATE	TOTAL SUSPENDED SOLIDS	VOC DW (EPA 542.2)	VOC (EPA 8260)	8-PCRA METALS	12-DC-A	ED-B	PIO/FIO
SOL-041414	Trip Blank	3/4/14				1		HL																
	G-1-W	9:05		X	N	3	GW									X						X	X	
	G-2-W	2:50																						
	G-4-W	1:35																						
	G-5-W	1:40																						
	G-6-W	4:05																						
	G-7-W	1:50																						
	G-8-W	1:57																						
	G-9-W	2:05																						
	G-10-W	3:55																						

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	Relinquished By: (sign) <i>[Signature]</i>	Time: 8:00AM	Date: 3/4/14	Received By: (sign)	Time:	Date:
Material: SH-1001 DW-Water						
Temp: 10-15°C						
Container: 100ml glass bottle / 100ml glass bottle No. 30	Received in Laboratory By: <i>[Signature]</i>	Time: 8:00	Date: 3/5/14			

Synergy Environmental Lab,

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

RENEE MORTENSON
RENEE MORTENSON
W4109 STATE HWY 73
NEILLSVILLE, WI 54456

Report Date 05-May-16

Project Name SHORTVILLE STORE
Project #

Invoice # E30930

Lab Code 5030930A
Sample ID MW-2-2
Sample Matrix Soil
Sample Date 4/25/2016

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	85.1	%			1	S021		4/27/2016	NJC	1
Organic										
PVOC + Naphthalene										
Benzene	0.117	mg/kg	0.014	0.046	1	GRO95/8021		5/4/2016	CJR	1
Ethylbenzene	0.065	mg/kg	0.014	0.045	1	GRO95/8021		5/4/2016	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.025	mg/kg	0.013	0.041	1	GRO95/8021		5/4/2016	CJR	1
Naphthalene	0.044	mg/kg	0.0094	0.03	1	GRO95/8021		5/4/2016	CJR	1
Toluene	0.049	mg/kg	0.015	0.048	1	GRO95/8021		5/4/2016	CJR	1
1,2,4-Trimethylbenzene	0.13	mg/kg	0.011	0.036	1	GRO95/8021		5/4/2016	CJR	1
1,3,5-Trimethylbenzene	0.045	mg/kg	0.012	0.038	1	GRO95/8021		5/4/2016	CJR	1
m&p-Xylene	0.36	mg/kg	0.023	0.074	1	GRO95/8021		5/4/2016	CJR	1
o-Xylene	0.216	mg/kg	0.024	0.078	1	GRO95/8021		5/4/2016	CJR	1

Project Name SHORTVILLE STORE

Invoice # E30930

Project

Lab Code 5030930B

Sample ID MW-1-1

Sample Matrix Soil

Sample Date 4/25/2016

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	93.8	%			1	5021		4/27/2016	NJC	1
Organic										
PVOC + Naphthalene										
Benzene	0.06	mg/kg	0.014	0.046	1	GRO95/8021		5/4/2016	CJR	1
Ethylbenzene	< 0.025	mg/kg	0.014	0.045	1	GRO95/8021		5/4/2016	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.025	mg/kg	0.013	0.041	1	GRO95/8021		5/4/2016	CJR	1
Naphthalene	< 0.025	mg/kg	0.0094	0.03	1	GRO95/8021		5/4/2016	CJR	1
Toluene	0.048	mg/kg	0.015	0.048	1	GRO95/8021		5/4/2016	CJR	1
1,2,4-Trimethylbenzene	0.0275 "J"	mg/kg	0.011	0.036	1	GRO95/8021		5/4/2016	CJR	1
1,3,5-Trimethylbenzene	< 0.025	mg/kg	0.012	0.038	1	GRO95/8021		5/4/2016	CJR	1
m&p-Xylene	0.056 "J"	mg/kg	0.023	0.074	1	GRO95/8021		5/4/2016	CJR	1
o-Xylene	0.04 "J"	mg/kg	0.024	0.078	1	GRO95/8021		5/4/2016	CJR	1

Lab Code 5030930C

Sample ID MW-1-2

Sample Matrix Soil

Sample Date 4/25/2016

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	84.8	%			1	5021		4/27/2016	NJC	1
Organic										
PVOC + Naphthalene										
Benzene	2.49	mg/kg	0.28	0.92	20	GRO95/8021		5/5/2016	CJR	1
Ethylbenzene	11.9	mg/kg	0.28	0.9	20	GRO95/8021		5/5/2016	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.5	mg/kg	0.26	0.82	20	GRO95/8021		5/5/2016	CJR	1
Naphthalene	4.7	mg/kg	0.188	0.6	20	GRO95/8021		5/5/2016	CJR	1
Toluene	21.2	mg/kg	0.3	0.96	20	GRO95/8021		5/5/2016	CJR	1
1,2,4-Trimethylbenzene	17	mg/kg	0.22	0.72	20	GRO95/8021		5/5/2016	CJR	1
1,3,5-Trimethylbenzene	10.1	mg/kg	0.24	0.76	20	GRO95/8021		5/5/2016	CJR	1
m&p-Xylene	36	mg/kg	0.46	1.48	20	GRO95/8021		5/5/2016	CJR	1
o-Xylene	11.8	mg/kg	0.48	1.56	20	GRO95/8021		5/5/2016	CJR	1

Project Name SHORTVILLE STORE

Invoice # E30930

Project

Lab Code 5030930D

Sample ID MW-1-3

Sample Matrix Soil

Sample Date 4/25/2016

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	81.9	%			1	5021		4/27/2016	NJC	1
Organic										
PVOC + Naphthalene										
Benzene	0.059	mg/kg	0.014	0.046	1	GRO95/8021		5/4/2016	CJR	1
Ethylbenzene	0.0314 "J"	mg/kg	0.014	0.045	1	GRO95/8021		5/4/2016	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.025	mg/kg	0.013	0.041	1	GRO95/8021		5/4/2016	CJR	1
Naphthalene	< 0.025	mg/kg	0.0094	0.03	1	GRO95/8021		5/4/2016	CJR	1
Toluene	0.0278 "J"	mg/kg	0.015	0.048	1	GRO95/8021		5/4/2016	CJR	1
1,2,4-Trimethylbenzene	< 0.025	mg/kg	0.011	0.036	1	GRO95/8021		5/4/2016	CJR	1
1,3,5-Trimethylbenzene	< 0.025	mg/kg	0.012	0.038	1	GRO95/8021		5/4/2016	CJR	1
m&p-Xylene	< 0.05	mg/kg	0.023	0.074	1	GRO95/8021		5/4/2016	CJR	1
o-Xylene	< 0.025	mg/kg	0.024	0.078	1	GRO95/8021		5/4/2016	CJR	1

Lab Code 5030930E

Sample ID MW-1-4

Sample Matrix Soil

Sample Date 4/25/2016

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	89.5	%			1	5021		4/27/2016	NJC	1
Organic										
PVOC + Naphthalene										
Benzene	< 0.025	mg/kg	0.014	0.046	1	GRO95/8021		5/4/2016	CJR	1
Ethylbenzene	< 0.025	mg/kg	0.014	0.045	1	GRO95/8021		5/4/2016	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.025	mg/kg	0.013	0.041	1	GRO95/8021		5/4/2016	CJR	1
Naphthalene	< 0.025	mg/kg	0.0094	0.03	1	GRO95/8021		5/4/2016	CJR	1
Toluene	< 0.025	mg/kg	0.015	0.048	1	GRO95/8021		5/4/2016	CJR	1
1,2,4-Trimethylbenzene	< 0.025	mg/kg	0.011	0.036	1	GRO95/8021		5/4/2016	CJR	1
1,3,5-Trimethylbenzene	< 0.025	mg/kg	0.012	0.038	1	GRO95/8021		5/4/2016	CJR	1
m&p-Xylene	< 0.05	mg/kg	0.023	0.074	1	GRO95/8021		5/4/2016	CJR	1
o-Xylene	< 0.025	mg/kg	0.024	0.078	1	GRO95/8021		5/4/2016	CJR	1

Lab Code 5030930F

Sample ID MEOH BLANK

Sample Matrix Soil

Sample Date 4/25/2016

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	< 0.025	mg/kg	0.014	0.046	1	GRO95/8021		5/4/2016	CJR	1
Ethylbenzene	< 0.025	mg/kg	0.014	0.045	1	GRO95/8021		5/4/2016	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.025	mg/kg	0.013	0.041	1	GRO95/8021		5/4/2016	CJR	1
Naphthalene	< 0.025	mg/kg	0.0094	0.03	1	GRO95/8021		5/4/2016	CJR	1
Toluene	< 0.025	mg/kg	0.015	0.048	1	GRO95/8021		5/4/2016	CJR	1
1,2,4-Trimethylbenzene	< 0.025	mg/kg	0.011	0.036	1	GRO95/8021		5/4/2016	CJR	1
1,3,5-Trimethylbenzene	< 0.025	mg/kg	0.012	0.038	1	GRO95/8021		5/4/2016	CJR	1
m&p-Xylene	< 0.05	mg/kg	0.023	0.074	1	GRO95/8021		5/4/2016	CJR	1
o-Xylene	< 0.025	mg/kg	0.024	0.078	1	GRO95/8021		5/4/2016	CJR	1

Project Name SHORTVILLE STORE
Project #

Invoice # E30930

"J" Flag: Analyte detected between LOD and LOQ

LOD Limit of Detection

LOQ Limit of Quantitation

<i>Code</i>	<i>Comment</i>
-------------	----------------

1	Laboratory QC within limits.
---	------------------------------

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

Authorized Signature

Michael Ricker

CHAIN OF STUDY RECORD

Synergy

Chain # No 2726

Page 1 of 1

Environmental Lab, Inc.1990 Prospect Ct. • Appleton, WI 54914
920-830-2455 • FAX 920-733-0631**Sample Handling Request**Rush Analysis Date Required _____
(Rushes accepted only with prior authorization)☒ Normal Turn Around

Lab I.D. #	
Account No. :	Quote No.:
Project #:	
Sampler: (signature) <i>DM J P M</i>	

Project (Name / Location): *Shortville Store*Reports To: *Renee Martenson*Invoice To: *Renee Martenson c/o METCO*

Company

Company

Address *W4104 State Hwy 73*Address *704 Gillette St., Suite 3*City State Zip *Neillsville, WI 54456*City State Zip *Lacrosse, WI 54603*

Phone

Phone

FAX

FAX

Lab I.D.	Sample I.D.	Collection Date Time	Comp	Grab	Filtered Y/N	No. of Containers	Sample Type (Matrix)*	Preservation	DRO (Mod DRO Sep 95)	GRO (Mod GRO Sep 95)	LEAD	NITRATE/NITRITE	OIL & GREASE	PAH (EPA 8270)	PCB	PVOC (EPA 8211)	PVOC + NAPHTHALENE	SULFATE	TOTAL SUSPENDED SOLIDS	VOC DW (EPA 542.2)	VOC (EPA 8260)	8-PCRA METALS	PID/FID
<i>B</i>	<i>MW-2-2</i>	<i>4-25 13:42</i>			<i>N</i>	<i>2</i>	<i>Soil</i>	<i>MeOH</i>									<i>X</i>						
<i>C</i>	<i>MW-1-1</i>	<i>1 3:07</i>			<i>↓</i>	<i>↓</i>	<i>↓</i>	<i>↓</i>									<i>X</i>						
<i>D</i>	<i>MW-1-2</i>	<i>1 3:08</i>			<i>↓</i>	<i>↓</i>	<i>↓</i>	<i>↓</i>									<i>X</i>						
<i>E</i>	<i>MW-1-3</i>	<i>1 3:14</i>			<i>↓</i>	<i>↓</i>	<i>↓</i>	<i>↓</i>									<i>X</i>						
<i>F</i>	<i>MW-1-4</i>	<i>1 3:31</i>			<i>↓</i>	<i>↓</i>	<i>↓</i>	<i>↓</i>									<i>X</i>						
<i>F</i>	<i>MeOH Blank</i>					<i>1</i>		<i>MeOH</i>									<i>X</i>						

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

Lab to send copy of report to METCO (Jason P.) (Invoice to METCO)

U/L rates apply, Agent Status

Sample Integrity - To be completed by receiving lab Method of Shipment: <i>Refrigerated</i> Temp. of Temp. Blank: _____ °C On Ice: ☒ Cooler seal intact upon receipt: ☒ Yes ☐ No	Relinquished By: (sign) <i>DM J P M</i>	Time <i>7:30</i>	Date <i>4-26-16</i>	Received By: (sign) _____	Time _____	Date _____
	Received in Laboratory By: <i>DM J P M</i>					
	Time: <i>8:00</i> Date: <i>4/27/16</i>					

Synergy Environmental Lab,

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

RENEE MORTENSON
RENEE MORTENSON
W4109 STATE HWY 73
NEILLSVILLE, WI 54456

Report Date 02-Aug-16

Project Name SHORTVILLE STORE (FORMER)
Project #

Invoice # E31414

Lab Code 5031414A
Sample ID MW-6
Sample Matrix Water
Sample Date 7/20/2016

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Inorganic										
Metals										
Iron, Dissolved	0.22	mg/l	0.04	0.14	1	200.7		7/25/2016	CWT	1
Lead, Dissolved	< 0.8	ug/L	0.8	2.6	1	7421		7/22/2016	CWT	1
Manganese, Dissolved	376	ug/L	4.5	14.2	1	200.7		7/25/2016	CWT	1
Organic										
VOC's										
Benzene	< 0.44	ug/l	0.44	1.4	1	8260B		7/26/2016	CJR	1
Bromobenzene	< 0.48	ug/l	0.48	1.5	1	8260B		7/26/2016	CJR	1
Bromodichloromethane	< 0.46	ug/l	0.46	1.5	1	8260B		7/26/2016	CJR	1
Bromoform	< 0.46	ug/l	0.46	1.5	1	8260B		7/26/2016	CJR	1
tert-Butylbenzene	< 1.1	ug/l	1.1	3.4	1	8260B		7/26/2016	CJR	1
sec-Butylbenzene	< 1.2	ug/l	1.2	3.8	1	8260B		7/26/2016	CJR	1
n-Butylbenzene	< 1	ug/l	1	3.3	1	8260B		7/26/2016	CJR	1
Carbon Tetrachloride	< 0.51	ug/l	0.51	1.6	1	8260B		7/26/2016	CJR	1
Chlorobenzene	< 0.46	ug/l	0.46	1.4	1	8260B		7/26/2016	CJR	1
Chloroethane	< 0.65	ug/l	0.65	2.1	1	8260B		7/26/2016	CJR	1
Chloroform	< 0.43	ug/l	0.43	1.4	1	8260B		7/26/2016	CJR	1
Chloromethane	< 1.9	ug/l	1.9	6	1	8260B		7/26/2016	CJR	1
2-Chlorotoluene	< 0.4	ug/l	0.4	1.3	1	8260B		7/26/2016	CJR	1
4-Chlorotoluene	< 0.63	ug/l	0.63	2	1	8260B		7/26/2016	CJR	1
1,2-Dibromo-3-chloropropane	< 1.4	ug/l	1.4	4.5	1	8260B		7/26/2016	CJR	1
Dibromochloromethane	< 0.45	ug/l	0.45	1.4	1	8260B		7/26/2016	CJR	1
1,4-Dichlorobenzene	< 0.49	ug/l	0.49	1.6	1	8260B		7/26/2016	CJR	1
1,3-Dichlorobenzene	< 0.52	ug/l	0.52	1.6	1	8260B		7/26/2016	CJR	1
1,2-Dichlorobenzene	< 0.46	ug/l	0.46	1.5	1	8260B		7/26/2016	CJR	1
Dichlorodifluoromethane	< 0.87	ug/l	0.87	2.8	1	8260B		7/26/2016	CJR	1
1,2-Dichloroethane	< 0.48	ug/l	0.48	1.5	1	8260B		7/26/2016	CJR	1
1,1-Dichloroethane	< 1.1	ug/l	1.1	3.6	1	8260B		7/26/2016	CJR	1
1,1-Dichloroethene	< 0.65	ug/l	0.65	2.1	1	8260B		7/26/2016	CJR	1
cis-1,2-Dichloroethene	< 0.45	ug/l	0.45	1.4	1	8260B		7/26/2016	CJR	1
trans-1,2-Dichloroethene	< 0.54	ug/l	0.54	1.7	1	8260B		7/26/2016	CJR	1
1,2-Dichloropropane	< 0.43	ug/l	0.43	1.37	1	8260B		7/26/2016	CJR	1
2,2-Dichloropropane	< 3.1	ug/l	3.1	9.8	1	8260B		7/26/2016	CJR	1

Project

Lab Code 5031414A

Sample ID MW-6

Sample Matrix Water

Sample Date 7/20/2016

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
1,3-Dichloropropane	< 0.42	ug/l	0.42	1.3	1	8260B		7/26/2016	CJR	1
Di-isopropyl ether	< 0.44	ug/l	0.44	1.4	1	8260B		7/26/2016	CJR	1
EDB (1,2-Dibromoethane)	< 0.63	ug/l	0.63	2	1	8260B		7/26/2016	CJR	1
Ethylbenzene	< 0.71	ug/l	0.71	2.3	1	8260B		7/26/2016	CJR	1
Hexachlorobutadiene	< 2.2	ug/l	2.2	7.1	1	8260B		7/26/2016	CJR	1
Isopropylbenzene	< 0.82	ug/l	0.82	2.6	1	8260B		7/26/2016	CJR	1
p-Isopropyltoluene	< 1.1	ug/l	1.1	3.5	1	8260B		7/26/2016	CJR	1
Methylene chloride	< 1.3	ug/l	1.3	4.2	1	8260B		7/26/2016	CJR	1
Methyl tert-butyl ether (MTBE)	< 1.1	ug/l	1.1	3.7	1	8260B		7/26/2016	CJR	1
Naphthalene	< 1.6	ug/l	1.6	5.2	1	8260B		7/26/2016	CJR	1
n-Propylbenzene	< 0.77	ug/l	0.77	2.4	1	8260B		7/26/2016	CJR	1
1,1,2,2-Tetrachloroethane	< 0.52	ug/l	0.52	1.7	1	8260B		7/26/2016	CJR	1
1,1,1,2-Tetrachloroethane	< 0.48	ug/l	0.48	1.5	1	8260B		7/26/2016	CJR	1
Tetrachloroethene	< 0.49	ug/l	0.49	1.5	1	8260B		7/26/2016	CJR	1
Toluene	< 0.44	ug/l	0.44	1.4	1	8260B		7/26/2016	CJR	1
1,2,4-Trichlorobenzene	< 1.7	ug/l	1.7	5.6	1	8260B		7/26/2016	CJR	1
1,2,3-Trichlorobenzene	< 2.7	ug/l	2.7	8.6	1	8260B		7/26/2016	CJR	1
1,1,1-Trichloroethane	< 0.84	ug/l	0.84	2.7	1	8260B		7/26/2016	CJR	1
1,1,2-Trichloroethane	< 0.48	ug/l	0.48	1.52	1	8260B		7/26/2016	CJR	1
Trichloroethene (TCE)	< 0.47	ug/l	0.47	1.5	1	8260B		7/26/2016	CJR	1
Trichlorofluoromethane	< 0.87	ug/l	0.87	2.8	1	8260B		7/26/2016	CJR	1
1,2,4-Trimethylbenzene	< 1.6	ug/l	1.6	5	1	8260B		7/26/2016	CJR	1
1,3,5-Trimethylbenzene	< 1.5	ug/l	1.5	4.8	1	8260B		7/26/2016	CJR	1
Vinyl Chloride	< 0.17	ug/l	0.17	0.54	1	8260B		7/26/2016	CJR	1
m&p-Xylene	< 2.2	ug/l	2.2	6.9	1	8260B		7/26/2016	CJR	1
o-Xylene	< 0.9	ug/l	0.9	2.9	1	8260B		7/26/2016	CJR	1
SUR - 1,2-Dichloroethane-d4	87	REC %			1	8260B		7/26/2016	CJR	1
SUR - 4-Bromofluorobenzene	103	REC %			1	8260B		7/26/2016	CJR	1
SUR - Dibromofluoromethane	97	REC %			1	8260B		7/26/2016	CJR	1
SUR - Toluene-d8	97	REC %			1	8260B		7/26/2016	CJR	1

Wet Chemistry

General

Nitrite Plus Nitrate, Dissolved	0.69	mg/l	0.15	0.47	1	353.2		7/26/2016	NJC	1
Sulfate, Filtered	11.3	mg/l	0.3	1	1	300.0		7/25/2016	CWT	1

Project

Lab Code 5031414B

Sample ID MW-5

Sample Matrix Water

Sample Date 7/20/2016

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Inorganic										
Metals										
Iron, Dissolved	1.46	mg/l	0.04	0.14	1	200.7		7/25/2016	CWT	1
Lead, Dissolved	< 0.8	ug/L	0.8	2.6	1	7421		7/22/2016	CWT	1
Manganese, Dissolved	1840	ug/L	4.5	14.2	1	200.7		7/25/2016	CWT	1
Organic										
VOC's										
Benzene	< 0.44	ug/l	0.44	1.4	1	8260B		7/26/2016	CJR	1
Bromobenzene	< 0.48	ug/l	0.48	1.5	1	8260B		7/26/2016	CJR	1
Bromodichloromethane	< 0.46	ug/l	0.46	1.5	1	8260B		7/26/2016	CJR	1
Bromoform	< 0.46	ug/l	0.46	1.5	1	8260B		7/26/2016	CJR	1
tert-Butylbenzene	< 1.1	ug/l	1.1	3.4	1	8260B		7/26/2016	CJR	1
sec-Butylbenzene	< 1.2	ug/l	1.2	3.8	1	8260B		7/26/2016	CJR	1
n-Butylbenzene	< 1	ug/l	1	3.3	1	8260B		7/26/2016	CJR	1
Carbon Tetrachloride	< 0.51	ug/l	0.51	1.6	1	8260B		7/26/2016	CJR	1
Chlorobenzene	< 0.46	ug/l	0.46	1.4	1	8260B		7/26/2016	CJR	1
Chloroethane	< 0.65	ug/l	0.65	2.1	1	8260B		7/26/2016	CJR	1
Chloroform	< 0.43	ug/l	0.43	1.4	1	8260B		7/26/2016	CJR	1
Chloromethane	< 1.9	ug/l	1.9	6	1	8260B		7/26/2016	CJR	1
2-Chlorotoluene	< 0.4	ug/l	0.4	1.3	1	8260B		7/26/2016	CJR	1
4-Chlorotoluene	< 0.63	ug/l	0.63	2	1	8260B		7/26/2016	CJR	1
1,2-Dibromo-3-chloropropane	< 1.4	ug/l	1.4	4.5	1	8260B		7/26/2016	CJR	1
Dibromochloromethane	< 0.45	ug/l	0.45	1.4	1	8260B		7/26/2016	CJR	1
1,4-Dichlorobenzene	< 0.49	ug/l	0.49	1.6	1	8260B		7/26/2016	CJR	1
1,3-Dichlorobenzene	< 0.52	ug/l	0.52	1.6	1	8260B		7/26/2016	CJR	1
1,2-Dichlorobenzene	< 0.46	ug/l	0.46	1.5	1	8260B		7/26/2016	CJR	1
Dichlorodifluoromethane	< 0.87	ug/l	0.87	2.8	1	8260B		7/26/2016	CJR	1
1,2-Dichloroethane	< 0.48	ug/l	0.48	1.5	1	8260B		7/26/2016	CJR	1
1,1-Dichloroethane	< 1.1	ug/l	1.1	3.6	1	8260B		7/26/2016	CJR	1
1,1-Dichloroethene	< 0.65	ug/l	0.65	2.1	1	8260B		7/26/2016	CJR	1
cis-1,2-Dichloroethene	< 0.45	ug/l	0.45	1.4	1	8260B		7/26/2016	CJR	1
trans-1,2-Dichloroethene	< 0.54	ug/l	0.54	1.7	1	8260B		7/26/2016	CJR	1
1,2-Dichloropropane	< 0.43	ug/l	0.43	1.37	1	8260B		7/26/2016	CJR	1
2,2-Dichloropropane	< 3.1	ug/l	3.1	9.8	1	8260B		7/26/2016	CJR	1
1,3-Dichloropropane	< 0.42	ug/l	0.42	1.3	1	8260B		7/26/2016	CJR	1
Di-isopropyl ether	< 0.44	ug/l	0.44	1.4	1	8260B		7/26/2016	CJR	1
EDB (1,2-Dibromoethane)	< 0.63	ug/l	0.63	2	1	8260B		7/26/2016	CJR	1
Ethylbenzene	< 0.71	ug/l	0.71	2.3	1	8260B		7/26/2016	CJR	1
Hexachlorobutadiene	< 2.2	ug/l	2.2	7.1	1	8260B		7/26/2016	CJR	1
Isopropylbenzene	< 0.82	ug/l	0.82	2.6	1	8260B		7/26/2016	CJR	1
p-Isopropyltoluene	< 1.1	ug/l	1.1	3.5	1	8260B		7/26/2016	CJR	1
Methylene chloride	< 1.3	ug/l	1.3	4.2	1	8260B		7/26/2016	CJR	1
Methyl tert-butyl ether (MTBE)	< 1.1	ug/l	1.1	3.7	1	8260B		7/26/2016	CJR	1
Naphthalene	< 1.6	ug/l	1.6	5.2	1	8260B		7/26/2016	CJR	1
n-Propylbenzene	< 0.77	ug/l	0.77	2.4	1	8260B		7/26/2016	CJR	1
1,1,2,2-Tetrachloroethane	< 0.52	ug/l	0.52	1.7	1	8260B		7/26/2016	CJR	1
1,1,1,2-Tetrachloroethane	< 0.48	ug/l	0.48	1.5	1	8260B		7/26/2016	CJR	1
Tetrachloroethene	< 0.49	ug/l	0.49	1.5	1	8260B		7/26/2016	CJR	1
Toluene	< 0.44	ug/l	0.44	1.4	1	8260B		7/26/2016	CJR	1
1,2,4-Trichlorobenzene	< 1.7	ug/l	1.7	5.6	1	8260B		7/26/2016	CJR	1
1,2,3-Trichlorobenzene	< 2.7	ug/l	2.7	8.6	1	8260B		7/26/2016	CJR	1
1,1,1-Trichloroethane	< 0.84	ug/l	0.84	2.7	1	8260B		7/26/2016	CJR	1
1,1,2-Trichloroethane	< 0.48	ug/l	0.48	1.52	1	8260B		7/26/2016	CJR	1
Trichloroethene (TCE)	< 0.47	ug/l	0.47	1.5	1	8260B		7/26/2016	CJR	1
Trichlorofluoromethane	< 0.87	ug/l	0.87	2.8	1	8260B		7/26/2016	CJR	1
1,2,4-Trimethylbenzene	< 1.6	ug/l	1.6	5	1	8260B		7/26/2016	CJR	1
1,3,5-Trimethylbenzene	< 1.5	ug/l	1.5	4.8	1	8260B		7/26/2016	CJR	1
Vinyl Chloride	< 0.17	ug/l	0.17	0.54	1	8260B		7/26/2016	CJR	1

Project Name SHORTVILLE STORE (FORMER)

Invoice # E31414

Project #

Lab Code 5031414B

Sample ID MW-5

Sample Matrix Water

Sample Date 7/20/2016

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
m&p-Xylene	< 2.2	ug/l	2.2	6.9	1	8260B		7/26/2016	CJR	1
o-Xylene	< 0.9	ug/l	0.9	2.9	1	8260B		7/26/2016	CJR	1
SUR - 1,2-Dichloroethane-d4	89	REC %			1	8260B		7/26/2016	CJR	1
SUR - 4-Bromofluorobenzene	108	REC %			1	8260B		7/26/2016	CJR	1
SUR - Dibromofluoromethane	98	REC %			1	8260B		7/26/2016	CJR	1
SUR - Toluene-d8	98	REC %			1	8260B		7/26/2016	CJR	1
Wet Chemistry										
General										
Nitrite Plus Nitrate, Dissolved	< 0.15	mg/l	0.15	0.47	1	353.2		7/26/2016	NJC	1
Sulfate, Filtered	11.1	mg/l	0.3	1	1	300.0		7/25/2016	CWT	1

Project

Lab Code 5031414C

Sample ID MW-4

Sample Matrix Water

Sample Date 7/20/2016

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Inorganic										
Metals										
Iron, Dissolved	0.54	mg/l	0.04	0.14	1	200.7	7/25/2016	7/25/2016	CWT	1
Lead, Dissolved	< 0.8	ug/L	0.8	2.6	1	7421	7/22/2016	7/22/2016	CWT	1
Manganese, Dissolved	1170	ug/L	4.5	14.2	1	200.7	7/25/2016	7/25/2016	CWT	1
Organic										
VOC's										
Benzene	< 0.44	ug/l	0.44	1.4	1	8260B	7/26/2016	7/26/2016	CJR	1
Bromobenzene	< 0.48	ug/l	0.48	1.5	1	8260B	7/26/2016	7/26/2016	CJR	1
Bromodichloromethane	< 0.46	ug/l	0.46	1.5	1	8260B	7/26/2016	7/26/2016	CJR	1
Bromoform	< 0.46	ug/l	0.46	1.5	1	8260B	7/26/2016	7/26/2016	CJR	1
tert-Butylbenzene	< 1.1	ug/l	1.1	3.4	1	8260B	7/26/2016	7/26/2016	CJR	1
sec-Butylbenzene	< 1.2	ug/l	1.2	3.8	1	8260B	7/26/2016	7/26/2016	CJR	1
n-Butylbenzene	< 1	ug/l	1	3.3	1	8260B	7/26/2016	7/26/2016	CJR	1
Carbon Tetrachloride	< 0.51	ug/l	0.51	1.6	1	8260B	7/26/2016	7/26/2016	CJR	1
Chlorobenzene	< 0.46	ug/l	0.46	1.4	1	8260B	7/26/2016	7/26/2016	CJR	1
Chloroethane	< 0.65	ug/l	0.65	2.1	1	8260B	7/26/2016	7/26/2016	CJR	1
Chloroform	< 0.43	ug/l	0.43	1.4	1	8260B	7/26/2016	7/26/2016	CJR	1
Chloromethane	< 1.9	ug/l	1.9	6	1	8260B	7/26/2016	7/26/2016	CJR	1
2-Chlorotoluene	< 0.4	ug/l	0.4	1.3	1	8260B	7/26/2016	7/26/2016	CJR	1
4-Chlorotoluene	< 0.63	ug/l	0.63	2	1	8260B	7/26/2016	7/26/2016	CJR	1
1,2-Dibromo-3-chloropropane	< 1.4	ug/l	1.4	4.5	1	8260B	7/26/2016	7/26/2016	CJR	1
Dibromochloromethane	< 0.45	ug/l	0.45	1.4	1	8260B	7/26/2016	7/26/2016	CJR	1
1,4-Dichlorobenzene	< 0.49	ug/l	0.49	1.6	1	8260B	7/26/2016	7/26/2016	CJR	1
1,3-Dichlorobenzene	< 0.52	ug/l	0.52	1.6	1	8260B	7/26/2016	7/26/2016	CJR	1
1,2-Dichlorobenzene	< 0.46	ug/l	0.46	1.5	1	8260B	7/26/2016	7/26/2016	CJR	1
Dichlorodifluoromethane	< 0.87	ug/l	0.87	2.8	1	8260B	7/26/2016	7/26/2016	CJR	1
1,2-Dichloroethane	< 0.48	ug/l	0.48	1.5	1	8260B	7/26/2016	7/26/2016	CJR	1
1,1-Dichloroethane	< 1.1	ug/l	1.1	3.6	1	8260B	7/26/2016	7/26/2016	CJR	1
1,1-Dichloroethene	< 0.65	ug/l	0.65	2.1	1	8260B	7/26/2016	7/26/2016	CJR	1
cis-1,2-Dichloroethene	< 0.45	ug/l	0.45	1.4	1	8260B	7/26/2016	7/26/2016	CJR	1
trans-1,2-Dichloroethene	< 0.54	ug/l	0.54	1.7	1	8260B	7/26/2016	7/26/2016	CJR	1
1,2-Dichloropropane	< 0.43	ug/l	0.43	1.37	1	8260B	7/26/2016	7/26/2016	CJR	1
2,2-Dichloropropane	< 3.1	ug/l	3.1	9.8	1	8260B	7/26/2016	7/26/2016	CJR	1
1,3-Dichloropropane	< 0.42	ug/l	0.42	1.3	1	8260B	7/26/2016	7/26/2016	CJR	1
Di-isopropyl ether	< 0.44	ug/l	0.44	1.4	1	8260B	7/26/2016	7/26/2016	CJR	1
EDB (1,2-Dibromoethane)	< 0.63	ug/l	0.63	2	1	8260B	7/26/2016	7/26/2016	CJR	1
Ethylbenzene	< 0.71	ug/l	0.71	2.3	1	8260B	7/26/2016	7/26/2016	CJR	1
Hexachlorobutadiene	< 2.2	ug/l	2.2	7.1	1	8260B	7/26/2016	7/26/2016	CJR	1
Isopropylbenzene	< 0.82	ug/l	0.82	2.6	1	8260B	7/26/2016	7/26/2016	CJR	1
p-Isopropyltoluene	< 1.1	ug/l	1.1	3.5	1	8260B	7/26/2016	7/26/2016	CJR	1
Methylene chloride	< 1.3	ug/l	1.3	4.2	1	8260B	7/26/2016	7/26/2016	CJR	1
Methyl tert-butyl ether (MTBE)	< 1.1	ug/l	1.1	3.7	1	8260B	7/26/2016	7/26/2016	CJR	1
Naphthalene	< 1.6	ug/l	1.6	5.2	1	8260B	7/26/2016	7/26/2016	CJR	1
n-Propylbenzene	< 0.77	ug/l	0.77	2.4	1	8260B	7/26/2016	7/26/2016	CJR	1
1,1,2,2-Tetrachloroethane	< 0.52	ug/l	0.52	1.7	1	8260B	7/26/2016	7/26/2016	CJR	1
1,1,1,2-Tetrachloroethane	< 0.48	ug/l	0.48	1.5	1	8260B	7/26/2016	7/26/2016	CJR	1
Tetrachloroethene	< 0.49	ug/l	0.49	1.5	1	8260B	7/26/2016	7/26/2016	CJR	1
Toluene	< 0.44	ug/l	0.44	1.4	1	8260B	7/26/2016	7/26/2016	CJR	1
1,2,4-Trichlorobenzene	< 1.7	ug/l	1.7	5.6	1	8260B	7/26/2016	7/26/2016	CJR	1
1,2,3-Trichlorobenzene	< 2.7	ug/l	2.7	8.6	1	8260B	7/26/2016	7/26/2016	CJR	1
1,1,1-Trichloroethane	< 0.84	ug/l	0.84	2.7	1	8260B	7/26/2016	7/26/2016	CJR	1
1,1,2-Trichloroethane	< 0.48	ug/l	0.48	1.52	1	8260B	7/26/2016	7/26/2016	CJR	1
Trichloroethene (TCE)	< 0.47	ug/l	0.47	1.5	1	8260B	7/26/2016	7/26/2016	CJR	1
Trichlorofluoromethane	< 0.87	ug/l	0.87	2.8	1	8260B	7/26/2016	7/26/2016	CJR	1
1,2,4-Trimethylbenzene	< 1.6	ug/l	1.6	5	1	8260B	7/26/2016	7/26/2016	CJR	1
1,3,5-Trimethylbenzene	< 1.5	ug/l	1.5	4.8	1	8260B	7/26/2016	7/26/2016	CJR	1
Vinyl Chloride	< 0.17	ug/l	0.17	0.54	1	8260B	7/26/2016	7/26/2016	CJR	1

Project Name SHORTVILLE STORE (FORMER)

Invoice # E31414

Project #

Lab Code 5031414C

Sample ID MW-4

Sample Matrix Water

Sample Date 7/20/2016

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
m&p-Xylene	< 2.2	ug/l	2.2	6.9	1	8260B		7/26/2016	CJR	1
o-Xylene	< 0.9	ug/l	0.9	2.9	1	8260B		7/26/2016	CJR	1
SUR - 4-Bromofluorobenzene	103	REC %			1	8260B		7/26/2016	CJR	1
SUR - Dibromofluoromethane	95	REC %			1	8260B		7/26/2016	CJR	1
SUR - Toluene-d8	97	REC %			1	8260B		7/26/2016	CJR	1
SUR - 1,2-Dichloroethane-d4	90	REC %			1	8260B		7/26/2016	CJR	1
Wet Chemistry										
General										
Nitrite Plus Nitrate, Dissolved	< 0.15	mg/l	0.15	0.47	1	353.2		7/26/2016	NJC	1
Sulfate, Filtered	17.9	mg/l	0.3	1	1	300.0		7/25/2016	CWT	1

Project Name SHORTVILLE STORE (FORMER)
Project #

Invoice # E31414

Lab Code 5031414D
Sample ID MW-3
Sample Matrix Water
Sample Date 7/20/2016

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Inorganic										
Metals										
Iron, Dissolved	0.38	mg/l	0.04	0.14	1	200.7		7/25/2016	CWT	1
Lead, Dissolved	< 0.8	ug/L	0.8	2.6	1	7421		7/22/2016	CWT	1
Manganese, Dissolved	1990	ug/L	4.5	14.2	1	200.7		7/25/2016	CWT	1
Organic										
VOC's										
Benzene	0.58 "J"	ug/l	0.44	1.4	1	8260B		7/26/2016	CJR	1
Bromobenzene	< 0.48	ug/l	0.48	1.5	1	8260B		7/26/2016	CJR	1
Bromodichloromethane	< 0.46	ug/l	0.46	1.5	1	8260B		7/26/2016	CJR	1
Bromoform	< 0.46	ug/l	0.46	1.5	1	8260B		7/26/2016	CJR	1
tert-Butylbenzene	< 1.1	ug/l	1.1	3.4	1	8260B		7/26/2016	CJR	1
sec-Butylbenzene	< 1.2	ug/l	1.2	3.8	1	8260B		7/26/2016	CJR	1
n-Butylbenzene	< 1	ug/l	1	3.3	1	8260B		7/26/2016	CJR	1
Carbon Tetrachloride	< 0.51	ug/l	0.51	1.6	1	8260B		7/26/2016	CJR	1
Chlorobenzene	< 0.46	ug/l	0.46	1.4	1	8260B		7/26/2016	CJR	1
Chloroethane	< 0.65	ug/l	0.65	2.1	1	8260B		7/26/2016	CJR	1
Chloroform	< 0.43	ug/l	0.43	1.4	1	8260B		7/26/2016	CJR	1
Chloromethane	< 1.9	ug/l	1.9	6	1	8260B		7/26/2016	CJR	1
2-Chlorotoluene	< 0.4	ug/l	0.4	1.3	1	8260B		7/26/2016	CJR	1
4-Chlorotoluene	< 0.63	ug/l	0.63	2	1	8260B		7/26/2016	CJR	1
1,2-Dibromo-3-chloropropane	< 1.4	ug/l	1.4	4.5	1	8260B		7/26/2016	CJR	1
Dibromochloromethane	< 0.45	ug/l	0.45	1.4	1	8260B		7/26/2016	CJR	1
1,4-Dichlorobenzene	< 0.49	ug/l	0.49	1.6	1	8260B		7/26/2016	CJR	1
1,3-Dichlorobenzene	< 0.52	ug/l	0.52	1.6	1	8260B		7/26/2016	CJR	1
1,2-Dichlorobenzene	< 0.46	ug/l	0.46	1.5	1	8260B		7/26/2016	CJR	1
Dichlorodifluoromethane	< 0.87	ug/l	0.87	2.8	1	8260B		7/26/2016	CJR	1
1,2-Dichloroethane	2.45	ug/l	0.48	1.5	1	8260B		7/26/2016	CJR	1
1,1-Dichloroethane	< 1.1	ug/l	1.1	3.6	1	8260B		7/26/2016	CJR	1
1,1-Dichloroethene	< 0.65	ug/l	0.65	2.1	1	8260B		7/26/2016	CJR	1
cis-1,2-Dichloroethene	< 0.45	ug/l	0.45	1.4	1	8260B		7/26/2016	CJR	1
trans-1,2-Dichloroethene	< 0.54	ug/l	0.54	1.7	1	8260B		7/26/2016	CJR	1
1,2-Dichloropropane	< 0.43	ug/l	0.43	1.37	1	8260B		7/26/2016	CJR	1
2,2-Dichloropropane	< 3.1	ug/l	3.1	9.8	1	8260B		7/26/2016	CJR	1
1,3-Dichloropropane	< 0.42	ug/l	0.42	1.3	1	8260B		7/26/2016	CJR	1
Di-isopropyl ether	3.8	ug/l	0.44	1.4	1	8260B		7/26/2016	CJR	1
EDB (1,2-Dibromoethane)	< 0.63	ug/l	0.63	2	1	8260B		7/26/2016	CJR	1
Ethylbenzene	< 0.71	ug/l	0.71	2.3	1	8260B		7/26/2016	CJR	1
Hexachlorobutadiene	< 2.2	ug/l	2.2	7.1	1	8260B		7/26/2016	CJR	1
Isopropylbenzene	< 0.82	ug/l	0.82	2.6	1	8260B		7/26/2016	CJR	1
p-Isopropyltoluene	< 1.1	ug/l	1.1	3.5	1	8260B		7/26/2016	CJR	1
Methylene chloride	< 1.3	ug/l	1.3	4.2	1	8260B		7/26/2016	CJR	1
Methyl tert-butyl ether (MTBE)	< 1.1	ug/l	1.1	3.7	1	8260B		7/26/2016	CJR	1
Naphthalene	< 1.6	ug/l	1.6	5.2	1	8260B		7/26/2016	CJR	1
n-Propylbenzene	< 0.77	ug/l	0.77	2.4	1	8260B		7/26/2016	CJR	1
1,1,2,2-Tetrachloroethane	< 0.52	ug/l	0.52	1.7	1	8260B		7/26/2016	CJR	1
1,1,1,2-Tetrachloroethane	< 0.48	ug/l	0.48	1.5	1	8260B		7/26/2016	CJR	1
Tetrachloroethene	< 0.49	ug/l	0.49	1.5	1	8260B		7/26/2016	CJR	1
Toluene	< 0.44	ug/l	0.44	1.4	1	8260B		7/26/2016	CJR	1
1,2,4-Trichlorobenzene	< 1.7	ug/l	1.7	5.6	1	8260B		7/26/2016	CJR	1
1,2,3-Trichlorobenzene	< 2.7	ug/l	2.7	8.6	1	8260B		7/26/2016	CJR	1
1,1,1-Trichloroethane	< 0.84	ug/l	0.84	2.7	1	8260B		7/26/2016	CJR	1
1,1,2-Trichloroethane	< 0.48	ug/l	0.48	1.52	1	8260B		7/26/2016	CJR	1
Trichloroethene (TCE)	< 0.47	ug/l	0.47	1.5	1	8260B		7/26/2016	CJR	1
Trichlorofluoromethane	< 0.87	ug/l	0.87	2.8	1	8260B		7/26/2016	CJR	1
1,2,4-Trimethylbenzene	< 1.6	ug/l	1.6	5	1	8260B		7/26/2016	CJR	1
1,3,5-Trimethylbenzene	< 1.5	ug/l	1.5	4.8	1	8260B		7/26/2016	CJR	1
Vinyl Chloride	< 0.17	ug/l	0.17	0.54	1	8260B		7/26/2016	CJR	1

Project Name SHORTVILLE STORE (FORMER)

Invoice # E31414

Project #

Lab Code 5031414D

Sample ID MW-3

Sample Matrix Water

Sample Date 7/20/2016

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
m&p-Xylene	< 2.2	ug/l	2.2	6.9	1	8260B		7/26/2016	CJR	1
o-Xylene	< 0.9	ug/l	0.9	2.9	1	8260B		7/26/2016	CJR	1
SUR - 4-Bromofluorobenzene	100	REC %			1	8260B		7/26/2016	CJR	1
SUR - Dibromofluoromethane	98	REC %			1	8260B		7/26/2016	CJR	1
SUR - 1,2-Dichloroethane-d4	89	REC %			1	8260B		7/26/2016	CJR	1
SUR - Toluene-d8	95	REC %			1	8260B		7/26/2016	CJR	1
Wet Chemistry										
General										
Nitrite Plus Nitrate, Dissolved	< 0.15	mg/l	0.15	0.47	1	353.2		7/26/2016	NJC	1
Sulfate, Filtered	9.78	mg/l	0.3	1	1	300.0		7/25/2016	CWT	1

Project

Lab Code 5031414E

Sample ID MW-2

Sample Matrix Water

Sample Date 7/20/2016

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Inorganic										
Metals										
Iron, Dissolved	5.88	mg/l	0.04	0.14	1	200.7		7/25/2016	CWT	1
Lead, Dissolved	< 0.8	ug/L	0.8	2.6	1	7421		7/22/2016	CWT	1
Manganese, Dissolved	1680	ug/L	4.5	14.2	1	200.7		7/25/2016	CWT	1
Organic										
VOC's										
Benzene	167	ug/l	4.4	14	10	8260B		7/29/2016	CJR	1
Bromobenzene	< 4.8	ug/l	4.8	15	10	8260B		7/29/2016	CJR	1
Bromodichloromethane	< 4.6	ug/l	4.6	15	10	8260B		7/29/2016	CJR	1
Bromoform	< 4.6	ug/l	4.6	15	10	8260B		7/29/2016	CJR	1
tert-Butylbenzene	< 11	ug/l	11	34	10	8260B		7/29/2016	CJR	1
sec-Butylbenzene	< 12	ug/l	12	38	10	8260B		7/29/2016	CJR	1
n-Butylbenzene	< 10	ug/l	10	33	10	8260B		7/29/2016	CJR	1
Carbon Tetrachloride	< 5.1	ug/l	5.1	16	10	8260B		7/29/2016	CJR	1
Chlorobenzene	< 4.6	ug/l	4.6	14	10	8260B		7/29/2016	CJR	1
Chloroethane	< 6.5	ug/l	6.5	21	10	8260B		7/29/2016	CJR	1
Chloroform	< 4.3	ug/l	4.3	14	10	8260B		7/29/2016	CJR	1
Chloromethane	< 19	ug/l	19	60	10	8260B		7/29/2016	CJR	1
2-Chlorotoluene	< 4	ug/l	4	13	10	8260B		7/29/2016	CJR	1
4-Chlorotoluene	< 6.3	ug/l	6.3	20	10	8260B		7/29/2016	CJR	1
1,2-Dibromo-3-chloropropane	< 14	ug/l	14	45	10	8260B		7/29/2016	CJR	1
Dibromochloromethane	< 4.5	ug/l	4.5	14	10	8260B		7/29/2016	CJR	1
1,4-Dichlorobenzene	< 4.9	ug/l	4.9	16	10	8260B		7/29/2016	CJR	1
1,3-Dichlorobenzene	< 5.2	ug/l	5.2	16	10	8260B		7/29/2016	CJR	1
1,2-Dichlorobenzene	< 4.6	ug/l	4.6	15	10	8260B		7/29/2016	CJR	1
Dichlorodifluoromethane	< 8.7	ug/l	8.7	28	10	8260B		7/29/2016	CJR	1
1,2-Dichloroethane	< 4.8	ug/l	4.8	15	10	8260B		7/29/2016	CJR	1
1,1-Dichloroethane	< 11	ug/l	11	36	10	8260B		7/29/2016	CJR	1
1,1-Dichloroethene	< 6.5	ug/l	6.5	21	10	8260B		7/29/2016	CJR	1
cis-1,2-Dichloroethene	< 4.5	ug/l	4.5	14	10	8260B		7/29/2016	CJR	1
trans-1,2-Dichloroethene	< 5.4	ug/l	5.4	17	10	8260B		7/29/2016	CJR	1
1,2-Dichloropropane	< 4.3	ug/l	4.3	13.7	10	8260B		7/29/2016	CJR	1
2,2-Dichloropropane	< 31	ug/l	31	98	10	8260B		7/29/2016	CJR	1
1,3-Dichloropropane	< 4.2	ug/l	4.2	13	10	8260B		7/29/2016	CJR	1
Di-isopropyl ether	< 4.4	ug/l	4.4	14	10	8260B		7/29/2016	CJR	1
EDB (1,2-Dibromoethane)	< 6.3	ug/l	6.3	20	10	8260B		7/29/2016	CJR	1
Ethylbenzene	101	ug/l	7.1	23	10	8260B		7/29/2016	CJR	1
Hexachlorobutadiene	< 22	ug/l	22	71	10	8260B		7/29/2016	CJR	1
Isopropylbenzene	< 8.2	ug/l	8.2	26	10	8260B		7/29/2016	CJR	1
p-Isopropyltoluene	< 11	ug/l	11	35	10	8260B		7/29/2016	CJR	1
Methylene chloride	< 13	ug/l	13	42	10	8260B		7/29/2016	CJR	1
Methyl tert-butyl ether (MTBE)	< 11	ug/l	11	37	10	8260B		7/29/2016	CJR	1
Naphthalene	< 16	ug/l	16	52	10	8260B		7/29/2016	CJR	1
n-Propylbenzene	17.3 "J"	ug/l	7.7	24	10	8260B		7/29/2016	CJR	1
1,1,2,2-Tetrachloroethane	< 5.2	ug/l	5.2	17	10	8260B		7/29/2016	CJR	1
1,1,1,2-Tetrachloroethane	< 4.8	ug/l	4.8	15	10	8260B		7/29/2016	CJR	1
Tetrachloroethene	< 4.9	ug/l	4.9	15	10	8260B		7/29/2016	CJR	1
Toluene	33	ug/l	4.4	14	10	8260B		7/29/2016	CJR	1
1,2,4-Trichlorobenzene	< 17	ug/l	17	56	10	8260B		7/29/2016	CJR	1
1,2,3-Trichlorobenzene	< 27	ug/l	27	86	10	8260B		7/29/2016	CJR	1
1,1,1-Trichloroethane	< 8.4	ug/l	8.4	27	10	8260B		7/29/2016	CJR	1
1,1,2-Trichloroethane	< 4.8	ug/l	4.8	15.2	10	8260B		7/29/2016	CJR	1
Trichloroethene (TCE)	< 4.7	ug/l	4.7	15	10	8260B		7/29/2016	CJR	1
Trichlorofluoromethane	< 8.7	ug/l	8.7	28	10	8260B		7/29/2016	CJR	1
1,2,4-Trimethylbenzene	107	ug/l	16	50	10	8260B		7/29/2016	CJR	1
1,3,5-Trimethylbenzene	23.7 "J"	ug/l	15	48	10	8260B		7/29/2016	CJR	1
Vinyl Chloride	< 1.7	ug/l	1.7	5.4	10	8260B		7/29/2016	CJR	1

Project Name SHORTVILLE STORE (FORMER)

Invoice # E31414

Project #

Lab Code 5031414E

Sample ID MW-2

Sample Matrix Water

Sample Date 7/20/2016

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
m&p-Xylene	261	ug/l	22	69	10	8260B		7/29/2016	CJR	1
o-Xylene	193	ug/l	9	29	10	8260B		7/29/2016	CJR	1
SUR - 4-Bromofluorobenzene	102	REC %			10	8260B		7/29/2016	CJR	1
SUR - Dibromofluoromethane	93	REC %			10	8260B		7/29/2016	CJR	1
SUR - Toluene-d8	107	REC %			10	8260B		7/29/2016	CJR	1
SUR - 1,2-Dichloroethane-d4	104	REC %			10	8260B		7/29/2016	CJR	1
Wet Chemistry										
General										
Nitrite Plus Nitrate, Dissolved	0.39 "J"	mg/l	0.15	0.47	1	353.2		7/26/2016	NJC	1
Sulfate, Filtered	5.68	mg/l	0.3	1	1	300.0		7/25/2016	CWT	1

Project

Lab Code 5031414F

Sample ID MW-1

Sample Matrix Water

Sample Date 7/20/2016

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Inorganic										
Metals										
Iron, Dissolved	35.9	mg/l	0.04	0.14	1	200.7		7/25/2016	CWT	1
Lead, Dissolved	1.8 "J"	ug/L	0.8	2.6	1	7421		7/22/2016	CWT	1
Manganese, Dissolved	8920	ug/L	4.5	14.2	1	200.7		7/25/2016	CWT	1
Organic										
VOC's										
Benzene	3150	ug/l	44	140	100	8260B		7/27/2016	CJR	1
Bromobenzene	< 48	ug/l	48	150	100	8260B		7/27/2016	CJR	1
Bromodichloromethane	< 46	ug/l	46	150	100	8260B		7/27/2016	CJR	1
Bromoform	< 46	ug/l	46	150	100	8260B		7/27/2016	CJR	1
tert-Butylbenzene	< 110	ug/l	110	340	100	8260B		7/27/2016	CJR	1
sec-Butylbenzene	< 120	ug/l	120	380	100	8260B		7/27/2016	CJR	1
n-Butylbenzene	< 100	ug/l	100	330	100	8260B		7/27/2016	CJR	1
Carbon Tetrachloride	< 51	ug/l	51	160	100	8260B		7/27/2016	CJR	1
Chlorobenzene	< 46	ug/l	46	140	100	8260B		7/27/2016	CJR	1
Chloroethane	< 65	ug/l	65	210	100	8260B		7/27/2016	CJR	1
Chloroform	< 43	ug/l	43	140	100	8260B		7/27/2016	CJR	1
Chloromethane	< 190	ug/l	190	600	100	8260B		7/27/2016	CJR	1
2-Chlorotoluene	< 40	ug/l	40	130	100	8260B		7/27/2016	CJR	1
4-Chlorotoluene	< 63	ug/l	63	200	100	8260B		7/27/2016	CJR	1
1,2-Dibromo-3-chloropropane	< 140	ug/l	140	450	100	8260B		7/27/2016	CJR	1
Dibromochloromethane	< 45	ug/l	45	140	100	8260B		7/27/2016	CJR	1
1,4-Dichlorobenzene	< 49	ug/l	49	160	100	8260B		7/27/2016	CJR	1
1,3-Dichlorobenzene	< 52	ug/l	52	160	100	8260B		7/27/2016	CJR	1
1,2-Dichlorobenzene	< 46	ug/l	46	150	100	8260B		7/27/2016	CJR	1
Dichlorodifluoromethane	< 87	ug/l	87	280	100	8260B		7/27/2016	CJR	1
1,2-Dichloroethane	< 48	ug/l	48	150	100	8260B		7/27/2016	CJR	1
1,1-Dichloroethane	< 110	ug/l	110	360	100	8260B		7/27/2016	CJR	1
1,1-Dichloroethene	< 65	ug/l	65	210	100	8260B		7/27/2016	CJR	1
cis-1,2-Dichloroethene	< 45	ug/l	45	140	100	8260B		7/27/2016	CJR	1
trans-1,2-Dichloroethene	< 54	ug/l	54	170	100	8260B		7/27/2016	CJR	1
1,2-Dichloropropane	< 43	ug/l	43	137	100	8260B		7/27/2016	CJR	1
2,2-Dichloropropane	< 310	ug/l	310	980	100	8260B		7/27/2016	CJR	1
1,3-Dichloropropane	< 42	ug/l	42	130	100	8260B		7/27/2016	CJR	1
Di-isopropyl ether	< 44	ug/l	44	140	100	8260B		7/27/2016	CJR	1
EDB (1,2-Dibromoethane)	< 63	ug/l	63	200	100	8260B		7/27/2016	CJR	1
Ethylbenzene	1110	ug/l	71	230	100	8260B		7/27/2016	CJR	1
Hexachlorobutadiene	< 220	ug/l	220	710	100	8260B		7/27/2016	CJR	1
Isopropylbenzene	< 82	ug/l	82	260	100	8260B		7/27/2016	CJR	1
p-Isopropyltoluene	< 110	ug/l	110	350	100	8260B		7/27/2016	CJR	1
Methylene chloride	< 130	ug/l	130	420	100	8260B		7/27/2016	CJR	1
Methyl tert-butyl ether (MTBE)	< 110	ug/l	110	370	100	8260B		7/27/2016	CJR	1
Naphthalene	281 "J"	ug/l	160	520	100	8260B		7/27/2016	CJR	1
n-Propylbenzene	< 77	ug/l	77	240	100	8260B		7/27/2016	CJR	1
1,1,2,2-Tetrachloroethane	< 52	ug/l	52	170	100	8260B		7/27/2016	CJR	1
1,1,1,2-Tetrachloroethane	< 48	ug/l	48	150	100	8260B		7/27/2016	CJR	1
Tetrachloroethene	< 49	ug/l	49	150	100	8260B		7/27/2016	CJR	1
Toluene	5000	ug/l	44	140	100	8260B		7/27/2016	CJR	1
1,2,4-Trichlorobenzene	< 170	ug/l	170	560	100	8260B		7/27/2016	CJR	1
1,2,3-Trichlorobenzene	< 270	ug/l	270	860	100	8260B		7/27/2016	CJR	1
1,1,1-Trichloroethane	< 84	ug/l	84	270	100	8260B		7/27/2016	CJR	1
1,1,2-Trichloroethane	< 48	ug/l	48	152	100	8260B		7/27/2016	CJR	1
Trichloroethene (TCE)	< 47	ug/l	47	150	100	8260B		7/27/2016	CJR	1
Trichlorofluoromethane	< 87	ug/l	87	280	100	8260B		7/27/2016	CJR	1
1,2,4-Trimethylbenzene	490 "J"	ug/l	160	500	100	8260B		7/27/2016	CJR	1
1,3,5-Trimethylbenzene	< 150	ug/l	150	480	100	8260B		7/27/2016	CJR	1
Vinyl Chloride	< 17	ug/l	17	54	100	8260B		7/27/2016	CJR	1

Project Name SHORTVILLE STORE (FORMER)

Invoice # E31414

Project

Lab Code 5031414F

Sample ID MW-1

Sample Matrix Water

Sample Date 7/20/2016

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
m&p-Xylene	2650	ug/l	220	690	100	8260B		7/27/2016	CJR	1
o-Xylene	1010	ug/l	90	290	100	8260B		7/27/2016	CJR	1
SUR - 1,2-Dichloroethane-d4	95	REC %			100	8260B		7/27/2016	CJR	1
SUR - 4-Bromofluorobenzene	101	REC %			100	8260B		7/27/2016	CJR	1
SUR - Dibromofluoromethane	92	REC %			100	8260B		7/27/2016	CJR	1
SUR - Toluene-d8	96	REC %			100	8260B		7/27/2016	CJR	1
Wet Chemistry										
General										
Nitrite Plus Nitrate, Dissolved	0.44 "J"	mg/l	0.15	0.47	1	353.2		7/26/2016	NJC	1
Sulfate, Filtered	1.45	mg/l	0.3	1	1	300.0		7/25/2016	CWT	1

Project

Lab Code 5031414G

Sample ID TB

Sample Matrix Water

Sample Date 7/20/2016

	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		7/28/2016	CJR	1
Bromobenzene	< 0.48	ug/l	0.48	1.5	1	8260B		7/28/2016	CJR	1
Bromodichloromethane	< 0.46	ug/l	0.46	1.5	1	8260B		7/28/2016	CJR	1
Bromoform	< 0.46	ug/l	0.46	1.5	1	8260B		7/28/2016	CJR	1
tert-Butylbenzene	< 1.1	ug/l	1.1	3.4	1	8260B		7/28/2016	CJR	1
sec-Butylbenzene	< 1.2	ug/l	1.2	3.8	1	8260B		7/28/2016	CJR	1
n-Butylbenzene	< 1	ug/l	1	3.3	1	8260B		7/28/2016	CJR	1
Carbon Tetrachloride	< 0.51	ug/l	0.51	1.6	1	8260B		7/28/2016	CJR	1
Chlorobenzene	< 0.46	ug/l	0.46	1.4	1	8260B		7/28/2016	CJR	1
Chloroethane	< 0.65	ug/l	0.65	2.1	1	8260B		7/28/2016	CJR	1
Chloroform	< 0.43	ug/l	0.43	1.4	1	8260B		7/28/2016	CJR	1
Chloromethane	< 1.9	ug/l	1.9	6	1	8260B		7/28/2016	CJR	1
2-Chlorotoluene	< 0.4	ug/l	0.4	1.3	1	8260B		7/28/2016	CJR	1
4-Chlorotoluene	< 0.63	ug/l	0.63	2	1	8260B		7/28/2016	CJR	1
1,2-Dibromo-3-chloropropane	< 1.4	ug/l	1.4	4.5	1	8260B		7/28/2016	CJR	1
Dibromochloromethane	< 0.45	ug/l	0.45	1.4	1	8260B		7/28/2016	CJR	1
1,4-Dichlorobenzene	< 0.49	ug/l	0.49	1.6	1	8260B		7/28/2016	CJR	1
1,3-Dichlorobenzene	< 0.52	ug/l	0.52	1.6	1	8260B		7/28/2016	CJR	1
1,2-Dichlorobenzene	< 0.46	ug/l	0.46	1.5	1	8260B		7/28/2016	CJR	1
Dichlorodifluoromethane	< 0.87	ug/l	0.87	2.8	1	8260B		7/28/2016	CJR	1
1,2-Dichloroethane	< 0.48	ug/l	0.48	1.5	1	8260B		7/28/2016	CJR	1
1,1-Dichloroethane	< 1.1	ug/l	1.1	3.6	1	8260B		7/28/2016	CJR	1
1,1-Dichloroethene	< 0.65	ug/l	0.65	2.1	1	8260B		7/28/2016	CJR	1
cis-1,2-Dichloroethene	< 0.45	ug/l	0.45	1.4	1	8260B		7/28/2016	CJR	1
trans-1,2-Dichloroethene	< 0.54	ug/l	0.54	1.7	1	8260B		7/28/2016	CJR	1
1,2-Dichloropropane	< 0.43	ug/l	0.43	1.37	1	8260B		7/28/2016	CJR	1
2,2-Dichloropropane	< 3.1	ug/l	3.1	9.8	1	8260B		7/28/2016	CJR	1
1,3-Dichloropropane	< 0.42	ug/l	0.42	1.3	1	8260B		7/28/2016	CJR	1
Di-isopropyl ether	< 0.44	ug/l	0.44	1.4	1	8260B		7/28/2016	CJR	1
EDB (1,2-Dibromoethane)	< 0.63	ug/l	0.63	2	1	8260B		7/28/2016	CJR	1
Ethylbenzene	< 0.71	ug/l	0.71	2.3	1	8260B		7/28/2016	CJR	1
Hexachlorobutadiene	< 2.2	ug/l	2.2	7.1	1	8260B		7/28/2016	CJR	1
Isopropylbenzene	< 0.82	ug/l	0.82	2.6	1	8260B		7/28/2016	CJR	1
p-Isopropyltoluene	< 1.1	ug/l	1.1	3.5	1	8260B		7/28/2016	CJR	1
Methylene chloride	< 1.3	ug/l	1.3	4.2	1	8260B		7/28/2016	CJR	1
Methyl tert-butyl ether (MTBE)	< 1.1	ug/l	1.1	3.7	1	8260B		7/28/2016	CJR	1
Naphthalene	< 1.6	ug/l	1.6	5.2	1	8260B		7/28/2016	CJR	1
n-Propylbenzene	< 0.77	ug/l	0.77	2.4	1	8260B		7/28/2016	CJR	1
1,1,2,2-Tetrachloroethane	< 0.52	ug/l	0.52	1.7	1	8260B		7/28/2016	CJR	1
1,1,1,2-Tetrachloroethane	< 0.48	ug/l	0.48	1.5	1	8260B		7/28/2016	CJR	1
Tetrachloroethene	< 0.49	ug/l	0.49	1.5	1	8260B		7/28/2016	CJR	1
Toluene	< 0.44	ug/l	0.44	1.4	1	8260B		7/28/2016	CJR	1
1,2,4-Trichlorobenzene	< 1.7	ug/l	1.7	5.6	1	8260B		7/28/2016	CJR	1
1,2,3-Trichlorobenzene	< 2.7	ug/l	2.7	8.6	1	8260B		7/28/2016	CJR	1
1,1,1-Trichloroethane	< 0.84	ug/l	0.84	2.7	1	8260B		7/28/2016	CJR	1
1,1,2-Trichloroethane	< 0.48	ug/l	0.48	1.52	1	8260B		7/28/2016	CJR	1
Trichloroethene (TCE)	< 0.47	ug/l	0.47	1.5	1	8260B		7/28/2016	CJR	1
Trichlorofluoromethane	< 0.87	ug/l	0.87	2.8	1	8260B		7/28/2016	CJR	1
1,2,4-Trimethylbenzene	< 1.6	ug/l	1.6	5	1	8260B		7/28/2016	CJR	1
1,3,5-Trimethylbenzene	< 1.5	ug/l	1.5	4.8	1	8260B		7/28/2016	CJR	1
Vinyl Chloride	< 0.17	ug/l	0.17	0.54	1	8260B		7/28/2016	CJR	1
m&p-Xylene	< 2.2	ug/l	2.2	6.9	1	8260B		7/28/2016	CJR	1
o-Xylene	< 0.9	ug/l	0.9	2.9	1	8260B		7/28/2016	CJR	1
SUR - Toluene-d8	100	REC %			1	8260B		7/28/2016	CJR	1
SUR - 1,2-Dichloroethane-d4	100	REC %			1	8260B		7/28/2016	CJR	1
SUR - 4-Bromofluorobenzene	102	REC %			1	8260B		7/28/2016	CJR	1
SUR - Dibromofluoromethane	98	REC %			1	8260B		7/28/2016	CJR	1

Project Name SHORTVILLE STORE (FORMER)
Project #

Invoice # E31414

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

<i>Code</i>	<i>Comment</i>
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

Environmental Lab, Inc.

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

Sample Handling Request

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

☒ Normal Turn Around

Lab ID: _____

Account No.: _____ Quote No.: _____

Project #: _____

Sampler: (signature) *Jan Jan*

Project (Name / Location): *Shorthill Store (former)*

Reports To: *Renee Mortenson* Invoice To: *Renee Mortenson*

Company: _____ Company: *C/O METCO*

Address: *W4109 State Hwy 73* Address: *709 Gillette St, Ste. 3*

City State Zip: *Neillsville, WI 54456* City State Zip: *La Crosse, WI 54601*

Phone: _____ Phone: _____

FAX: _____ FAX: _____

Lab ID	Sample I.D.	Collection Date Time	Comp	Grab	Filtered Y/N	No. of Containers	Sample Type (Matrix)*	Preservation (temp, time)	DRO (Mod DRO Sep 95)	GRO (Mod GRO Sep 95)	LEAD (Q-133) (V)	NITRATE/NITRITE	OIL & GREASE	PAH (EPA 8270)	PCB	PVOC (EPA 8021)	PVOC + NAPHTHALENE	SULFATE	TOTAL SUSPENDED SOLIDS	VOC DW (EPA 542.2)	VOC (EPA 8260)	8-PCRA METALS	Dissolved Iron + Manganese	PID/ FID
<i>S-37414A</i>	<i>MW-6</i>	<i>7-20-95</i>			<i>Y</i>	<i>6</i>	<i>GW</i>	<i>H₂O, H₂SO₄</i>			<i>X</i>	<i>X</i>						<i>X</i>		<i>X</i>		<i>X</i>		
<i>B</i>	<i>MW-5</i>	<i>1005</i>			<i>Y</i>	<i>1</i>	<i>GW</i>	<i>H₂O, H₂SO₄</i>			<i>X</i>	<i>X</i>						<i>X</i>		<i>X</i>		<i>X</i>		
<i>C</i>	<i>MW-4</i>	<i>1055</i>			<i>Y</i>	<i>1</i>	<i>GW</i>	<i>H₂O, H₂SO₄</i>			<i>X</i>	<i>X</i>						<i>X</i>		<i>X</i>		<i>X</i>		
<i>D</i>	<i>MW-3</i>	<i>1115</i>			<i>Y</i>	<i>1</i>	<i>GW</i>	<i>H₂O, H₂SO₄</i>			<i>X</i>	<i>X</i>						<i>X</i>		<i>X</i>		<i>X</i>		
<i>E</i>	<i>MW-2</i>	<i>1140</i>			<i>Y</i>	<i>1</i>	<i>GW</i>	<i>H₂O, H₂SO₄</i>			<i>X</i>	<i>X</i>						<i>X</i>		<i>X</i>		<i>X</i>		
<i>F</i>	<i>MW-1</i>	<i>1200</i>			<i>Y</i>	<i>1</i>	<i>GW</i>	<i>H₂O, H₂SO₄</i>			<i>X</i>	<i>X</i>						<i>X</i>		<i>X</i>		<i>X</i>		
<i>G</i>	<i>TB</i>					<i>1</i>		<i>HCL</i>													<i>X</i>			

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

Lab to send copy of report to METCO / Jason P. (Invoice to METCO)
** Lte Rates Apply*
** Agent Status*

Sample Integrity - To be completed by receiving lab.

Method of Shipment: *Express*

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

Cooler seal intact upon receipt: ☒ Yes ☐ No

Relinquished By: (sign) *Jan Jan* Time: *8:00 AM* Date: *7-21-16*

Received By: (sign) _____ Time: _____ Date: _____

Received in Laboratory By: *Mich - SCL* Time: *8:00 AM* Date: *7-22-16*

Synergy Environmental Lab,

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

RENEE MORTENSON
RENEE MORTENSON
W4109 STATE HWY 73
NEILLSVILLE, WI 54456

Report Date 31-Oct-16

Project Name SHORTVILLE STORE
Project #

Invoice # E31951

Lab Code 5031951A
Sample ID MW-6
Sample Matrix Water
Sample Date 10/20/2016

	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		10/24/2016	CJR	1
Ethylbenzene	< 0.73	ug/l	0.73	2.3	1	GRO95/8021		10/24/2016	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.49	ug/l	0.49	1.6	1	GRO95/8021		10/24/2016	CJR	1
Naphthalene	< 2.6	ug/l	2.6	8.3	1	GRO95/8021		10/24/2016	CJR	1
Toluene	< 0.39	ug/l	0.39	1.2	1	GRO95/8021		10/24/2016	CJR	1
1,2,4-Trimethylbenzene	< 0.68	ug/l	0.68	2.2	1	GRO95/8021		10/24/2016	CJR	1
1,3,5-Trimethylbenzene	< 0.83	ug/l	0.83	2.6	1	GRO95/8021		10/24/2016	CJR	1
m&p-Xylene	< 1.4	ug/l	1.4	4.4	1	GRO95/8021		10/24/2016	CJR	1
o-Xylene	< 0.66	ug/l	0.66	2.1	1	GRO95/8021		10/24/2016	CJR	1

Lab Code 5031951B
Sample ID MW-5
Sample Matrix Water
Sample Date 10/20/2016

	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		10/24/2016	CJR	1
Ethylbenzene	< 0.73	ug/l	0.73	2.3	1	GRO95/8021		10/24/2016	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.49	ug/l	0.49	1.6	1	GRO95/8021		10/24/2016	CJR	1
Naphthalene	< 2.6	ug/l	2.6	8.3	1	GRO95/8021		10/24/2016	CJR	1
Toluene	< 0.39	ug/l	0.39	1.2	1	GRO95/8021		10/24/2016	CJR	1
1,2,4-Trimethylbenzene	< 0.68	ug/l	0.68	2.2	1	GRO95/8021		10/24/2016	CJR	1
1,3,5-Trimethylbenzene	< 0.83	ug/l	0.83	2.6	1	GRO95/8021		10/24/2016	CJR	1
m&p-Xylene	< 1.4	ug/l	1.4	4.4	1	GRO95/8021		10/24/2016	CJR	1
o-Xylene	< 0.66	ug/l	0.66	2.1	1	GRO95/8021		10/24/2016	CJR	1

Project Name SHORTVILLE STORE

Invoice # E31951

Project #

Lab Code 5031951C
 Sample ID MW-4
 Sample Matrix Water
 Sample Date 10/20/2016

	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		10/24/2016	CJR	1
Ethylbenzene	< 0.73	ug/l	0.73	2.3	1	GRO95/8021		10/24/2016	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.49	ug/l	0.49	1.6	1	GRO95/8021		10/24/2016	CJR	1
Naphthalene	< 2.6	ug/l	2.6	8.3	1	GRO95/8021		10/24/2016	CJR	1
Toluene	< 0.39	ug/l	0.39	1.2	1	GRO95/8021		10/24/2016	CJR	1
1,2,4-Trimethylbenzene	< 0.68	ug/l	0.68	2.2	1	GRO95/8021		10/24/2016	CJR	1
1,3,5-Trimethylbenzene	< 0.83	ug/l	0.83	2.6	1	GRO95/8021		10/24/2016	CJR	1
m&p-Xylene	< 1.4	ug/l	1.4	4.4	1	GRO95/8021		10/24/2016	CJR	1
o-Xylene	< 0.66	ug/l	0.66	2.1	1	GRO95/8021		10/24/2016	CJR	1

Lab Code 5031951D
 Sample ID MW-3
 Sample Matrix Water
 Sample Date 10/20/2016

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	1.2 "J"	ug/l	0.46	1.5	1	GRO95/8021		10/24/2016	CJR	1
Ethylbenzene	< 0.73	ug/l	0.73	2.3	1	GRO95/8021		10/24/2016	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.49	ug/l	0.49	1.6	1	GRO95/8021		10/24/2016	CJR	1
Naphthalene	< 2.6	ug/l	2.6	8.3	1	GRO95/8021		10/24/2016	CJR	1
Toluene	< 0.39	ug/l	0.39	1.2	1	GRO95/8021		10/24/2016	CJR	1
1,2,4-Trimethylbenzene	< 0.68	ug/l	0.68	2.2	1	GRO95/8021		10/24/2016	CJR	1
1,3,5-Trimethylbenzene	< 0.83	ug/l	0.83	2.6	1	GRO95/8021		10/24/2016	CJR	1
m&p-Xylene	< 1.4	ug/l	1.4	4.4	1	GRO95/8021		10/24/2016	CJR	1
o-Xylene	< 0.66	ug/l	0.66	2.1	1	GRO95/8021		10/24/2016	CJR	1

Lab Code 5031951E
 Sample ID MW-2
 Sample Matrix Water
 Sample Date 10/20/2016

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	114	ug/l	0.46	1.5	1	GRO95/8021		10/29/2016	CJR	1
Ethylbenzene	3.09	ug/l	0.73	2.3	1	GRO95/8021		10/29/2016	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.49	ug/l	0.49	1.6	1	GRO95/8021		10/29/2016	CJR	1
Naphthalene	< 2.6	ug/l	2.6	8.3	1	GRO95/8021		10/29/2016	CJR	1
Toluene	1.47	ug/l	0.39	1.2	1	GRO95/8021		10/29/2016	CJR	1
1,2,4-Trimethylbenzene	0.89 "J"	ug/l	0.68	2.2	1	GRO95/8021		10/29/2016	CJR	1
1,3,5-Trimethylbenzene	< 0.83	ug/l	0.83	2.6	1	GRO95/8021		10/29/2016	CJR	1
m&p-Xylene	< 1.4	ug/l	1.4	4.4	1	GRO95/8021		10/29/2016	CJR	1
o-Xylene	< 0.66	ug/l	0.66	2.1	1	GRO95/8021		10/29/2016	CJR	1

Project

Lab Code 5031951F
 Sample ID MW-1
 Sample Matrix Water
 Sample Date 10/20/2016

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Inorganic										
Metals										
Lead, Dissolved	2.0 "J"	ug/L	0.8	2.6	1	7421		10/25/2016	CWT	1
Organic										
PVOC + Naphthalene										
Benzene	3400	ug/l	46	150	100	GRO95/8021		10/25/2016	CJR	1
Ethylbenzene	1140	ug/l	73	230	100	GRO95/8021		10/25/2016	CJR	1
Methyl tert-butyl ether (MTBE)	< 49	ug/l	49	160	100	GRO95/8021		10/25/2016	CJR	1
Naphthalene	430 "J"	ug/l	260	830	100	GRO95/8021		10/25/2016	CJR	1
Toluene	4300	ug/l	39	120	100	GRO95/8021		10/25/2016	CJR	1
1,2,4-Trimethylbenzene	460	ug/l	68	220	100	GRO95/8021		10/25/2016	CJR	1
1,3,5-Trimethylbenzene	148 "J"	ug/l	83	260	100	GRO95/8021		10/25/2016	CJR	1
m&p-Xylene	2360	ug/l	140	440	100	GRO95/8021		10/25/2016	CJR	1
o-Xylene	920	ug/l	66	210	100	GRO95/8021		10/25/2016	CJR	1

Lab Code 5031951G
 Sample ID TB
 Sample Matrix Water
 Sample Date 10/20/2016

	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		10/24/2016	CJR	1
Ethylbenzene	< 0.73	ug/l	0.73	2.3	1	GRO95/8021		10/24/2016	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.49	ug/l	0.49	1.6	1	GRO95/8021		10/24/2016	CJR	1
Naphthalene	< 2.6	ug/l	2.6	8.3	1	GRO95/8021		10/24/2016	CJR	1
Toluene	< 0.39	ug/l	0.39	1.2	1	GRO95/8021		10/24/2016	CJR	1
1,2,4-Trimethylbenzene	< 0.68	ug/l	0.68	2.2	1	GRO95/8021		10/24/2016	CJR	1
1,3,5-Trimethylbenzene	< 0.83	ug/l	0.83	2.6	1	GRO95/8021		10/24/2016	CJR	1
m&p-Xylene	< 1.4	ug/l	1.4	4.4	1	GRO95/8021		10/24/2016	CJR	1
o-Xylene	< 0.66	ug/l	0.66	2.1	1	GRO95/8021		10/24/2016	CJR	1

"J" Flag: Analyte detected between LOD and LOQ

LOD Limit of Detection

LOQ Limit of Quantitation

Code	Comment
------	---------

1	Laboratory QC within limits.
---	------------------------------

CWT denotes sub contract lab - Certification #445126660

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

Authorized Signature

Michael Ricker

CHAIN OF STUDY RECORD

SynergyChain # N^o 287

Page 1 of 1

Environmental Lab, Inc.1990 Prospect Ct. • Appleton, WI 54914
920-830-2455 • FAX 920-733-0631**Sample Handling Request**Rush Analysis Date Required _____
(Rushes accepted only with prior authorization)☒ Normal Turn Around

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

Project (Name / Location): <i>Shontville store / Neillsville (Shontville)</i>	
Reports To: <i>Renee Mortenson</i>	Invoice To: <i>R. Mortenson</i>
Company	Company <i>c/o METCO</i>
Address <i>W4109 State Hwy 73</i>	Address <i>709 Gillette St, Ste. 3</i>
City State Zip <i>Neillsville, WI 54456</i>	City State Zip <i>La Crosse, WI 54603</i>
Phone	Phone
FAX	FAX

Lab I.D.	Sample I.D.	Collection		Comp	Grab	Filtered Y/N	No. of Containers	Sample Type (Matrix)*	Preservation	DRO (Mod)	GRO (Mod)	LEAD (Dissolved)	NITRATE/NITRITE	OIL & GREASE	PAH (EPA 8270)	PCB	PVOC (EPA 8021)	PVOC + NAPHTHALENE	SULFATE	TOTAL SOLIDS	VOC DWW (EPA 542.2)	VOC (EPA 8260)	8-PCRA METALS	PID/ FID	Other
		Date	Time																						
S031951	A MW-6	10-20	1220			N	3	GW	HLL									X							
	B MW-5		1240			↓	↓	↓	↓									X							
	C MW-4		100			↓	↓	↓	↓									X							
	D MW-3		120			↓	↓	↓	↓									X							
	E MW-2		145			↓	↓	↓	↓									X							
	F MW-1	✓	210			✓	4	↓	HCL, HNO ₃			X						X							
	G 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)
** Agent Status*
A UTC Rates Apply

Sample Integrity - To be completed by receiving lab.	Relinquished By: (sign) <i>Jon Jones</i>	Time <i>8:00 AM</i>	Date <i>10-21-16</i>	Received By: (sign) _____	Time _____	Date _____
	Method of Shipment <i>Box</i>					
	Temp. of Temp. Blank _____ °C On ice: ☒					
	Cooler seal intact upon receipt: ☒ Yes ☐ No					
Received in Laboratory By: <i>Chris / Ron</i>		Time <i>10:00</i>	Date <i>10/22/16</i>			

Synergy Environmental Lab,

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

RENEE MORTENSON
RENEE MORTENSON
W4109 STATE HWY 73
NEILLSVILLE, WI 54456

Report Date 02-Feb-17

Project Name SHORTVILLE STORE
Project #

Invoice # E32372

Lab Code 5032372A
Sample ID MW-6
Sample Matrix Water
Sample Date 1/19/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	< 0.27	ug/l	0.27	0.87	1	GRO95/8021		1/23/2017	TCC	1
Ethylbenzene	< 0.56	ug/l	0.56	1.77	1	GRO95/8021		1/23/2017	TCC	1
Methyl tert-butyl ether (MTBE)	< 0.43	ug/l	0.43	1.36	1	GRO95/8021		1/23/2017	TCC	1
Naphthalene	< 1.7	ug/l	1.7	5.27	1	GRO95/8021		1/23/2017	TCC	1
Toluene	< 0.33	ug/l	0.33	1.06	1	GRO95/8021		1/23/2017	TCC	1
1,2,4-Trimethylbenzene	< 0.56	ug/l	0.56	1.78	1	GRO95/8021		1/23/2017	TCC	1
1,3,5-Trimethylbenzene	< 0.58	ug/l	0.58	1.84	1	GRO95/8021		1/23/2017	TCC	1
m&p-Xylene	< 1.1	ug/l	1.1	3.49	1	GRO95/8021		1/23/2017	TCC	1
o-Xylene	< 0.61	ug/l	0.61	1.92	1	GRO95/8021		1/23/2017	TCC	1

Lab Code 5032372B
Sample ID MW-5
Sample Matrix Water
Sample Date 1/19/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	< 0.27	ug/l	0.27	0.87	1	GRO95/8021		1/23/2017	TCC	1
Ethylbenzene	< 0.56	ug/l	0.56	1.77	1	GRO95/8021		1/23/2017	TCC	1
Methyl tert-butyl ether (MTBE)	< 0.43	ug/l	0.43	1.36	1	GRO95/8021		1/23/2017	TCC	1
Naphthalene	< 1.7	ug/l	1.7	5.27	1	GRO95/8021		1/23/2017	TCC	1
Toluene	< 0.33	ug/l	0.33	1.06	1	GRO95/8021		1/23/2017	TCC	1
1,2,4-Trimethylbenzene	< 0.56	ug/l	0.56	1.78	1	GRO95/8021		1/23/2017	TCC	1
1,3,5-Trimethylbenzene	< 0.58	ug/l	0.58	1.84	1	GRO95/8021		1/23/2017	TCC	1
m&p-Xylene	< 1.1	ug/l	1.1	3.49	1	GRO95/8021		1/23/2017	TCC	1
o-Xylene	< 0.61	ug/l	0.61	1.92	1	GRO95/8021		1/23/2017	TCC	1

Project Name SHORTVILLE STORE

Invoice # E32372

Project #

Lab Code 5032372C

Sample ID MW-4

Sample Matrix Water

Sample Date 1/19/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	< 0.27	ug/l	0.27	0.87	1	GRO95/8021		1/23/2017	TCC	1
Ethylbenzene	< 0.56	ug/l	0.56	1.77	1	GRO95/8021		1/23/2017	TCC	1
Methyl tert-butyl ether (MTBE)	< 0.43	ug/l	0.43	1.36	1	GRO95/8021		1/23/2017	TCC	1
Naphthalene	< 1.7	ug/l	1.7	5.27	1	GRO95/8021		1/23/2017	TCC	1
Toluene	< 0.33	ug/l	0.33	1.06	1	GRO95/8021		1/23/2017	TCC	1
1,2,4-Trimethylbenzene	< 0.56	ug/l	0.56	1.78	1	GRO95/8021		1/23/2017	TCC	1
1,3,5-Trimethylbenzene	< 0.58	ug/l	0.58	1.84	1	GRO95/8021		1/23/2017	TCC	1
m&p-Xylene	< 1.1	ug/l	1.1	3.49	1	GRO95/8021		1/23/2017	TCC	1
o-Xylene	< 0.61	ug/l	0.61	1.92	1	GRO95/8021		1/23/2017	TCC	1

Lab Code 5032372D

Sample ID MW-3

Sample Matrix Water

Sample Date 1/19/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	1.0	ug/l	0.27	0.87	1	GRO95/8021		1/23/2017	TCC	1
Ethylbenzene	< 0.56	ug/l	0.56	1.77	1	GRO95/8021		1/23/2017	TCC	1
Methyl tert-butyl ether (MTBE)	< 0.43	ug/l	0.43	1.36	1	GRO95/8021		1/23/2017	TCC	1
Naphthalene	< 1.7	ug/l	1.7	5.27	1	GRO95/8021		1/23/2017	TCC	1
Toluene	0.65 "J"	ug/l	0.33	1.06	1	GRO95/8021		1/23/2017	TCC	1
1,2,4-Trimethylbenzene	< 0.56	ug/l	0.56	1.78	1	GRO95/8021		1/23/2017	TCC	1
1,3,5-Trimethylbenzene	< 0.58	ug/l	0.58	1.84	1	GRO95/8021		1/23/2017	TCC	1
m&p-Xylene	< 1.1	ug/l	1.1	3.49	1	GRO95/8021		1/23/2017	TCC	1
o-Xylene	< 0.61	ug/l	0.61	1.92	1	GRO95/8021		1/23/2017	TCC	1

Lab Code 5032372E

Sample ID MW-2

Sample Matrix Water

Sample Date 1/19/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	20.1	ug/l	0.27	0.87	1	GRO95/8021		1/23/2017	TCC	1
Ethylbenzene	5.6	ug/l	0.56	1.77	1	GRO95/8021		1/23/2017	TCC	1
Methyl tert-butyl ether (MTBE)	< 0.43	ug/l	0.43	1.36	1	GRO95/8021		1/23/2017	TCC	1
Naphthalene	< 1.7	ug/l	1.7	5.27	1	GRO95/8021		1/23/2017	TCC	1
Toluene	< 0.33	ug/l	0.33	1.06	1	GRO95/8021		1/23/2017	TCC	1
1,2,4-Trimethylbenzene	6.4	ug/l	0.56	1.78	1	GRO95/8021		1/23/2017	TCC	1
1,3,5-Trimethylbenzene	< 0.58	ug/l	0.58	1.84	1	GRO95/8021		1/23/2017	TCC	1
m&p-Xylene	3.9	ug/l	1.1	3.49	1	GRO95/8021		1/23/2017	TCC	1
o-Xylene	< 0.61	ug/l	0.61	1.92	1	GRO95/8021		1/23/2017	TCC	1

Project Name SHORTVILLE STORE

Invoice # E32372

Project

Lab Code 5032372F

Sample ID MW-1

Sample Matrix Water

Sample Date 1/19/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Inorganic										
Metals										
Lead, Dissolved	1.6 "J"	ug/L	0.8	2.6	1	7421		1/24/2017	CWT	1
Organic										
PVOC + Naphthalene										
Benzene	1230	ug/l	27	87	100	GRO95/8021		1/24/2017	TCC	1
Ethylbenzene	450	ug/l	56	177	100	GRO95/8021		1/24/2017	TCC	1
Methyl tert-butyl ether (MTBE)	< 43	ug/l	43	136	100	GRO95/8021		1/24/2017	TCC	1
Naphthalene	< 170	ug/l	170	527	100	GRO95/8021		1/24/2017	TCC	1
Toluene	1370	ug/l	33	106	100	GRO95/8021		1/24/2017	TCC	1
1,2,4-Trimethylbenzene	211	ug/l	56	178	100	GRO95/8021		1/24/2017	TCC	1
1,3,5-Trimethylbenzene	61 "J"	ug/l	58	184	100	GRO95/8021		1/24/2017	TCC	1
m&p-Xylene	950	ug/l	110	349	100	GRO95/8021		1/24/2017	TCC	1
o-Xylene	350	ug/l	61	192	100	GRO95/8021		1/24/2017	TCC	1

Lab Code 5032372G

Sample ID TB

Sample Matrix Water

Sample Date 1/19/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	< 0.27	ug/l	0.27	0.87	1	GRO95/8021		1/23/2017	TCC	1
Ethylbenzene	< 0.56	ug/l	0.56	1.77	1	GRO95/8021		1/23/2017	TCC	1
Methyl tert-butyl ether (MTBE)	< 0.43	ug/l	0.43	1.36	1	GRO95/8021		1/23/2017	TCC	1
Naphthalene	< 1.7	ug/l	1.7	5.27	1	GRO95/8021		1/23/2017	TCC	1
Toluene	< 0.33	ug/l	0.33	1.06	1	GRO95/8021		1/23/2017	TCC	1
1,2,4-Trimethylbenzene	< 0.56	ug/l	0.56	1.78	1	GRO95/8021		1/23/2017	TCC	1
1,3,5-Trimethylbenzene	< 0.58	ug/l	0.58	1.84	1	GRO95/8021		1/23/2017	TCC	1
m&p-Xylene	< 1.1	ug/l	1.1	3.49	1	GRO95/8021		1/23/2017	TCC	1
o-Xylene	< 0.61	ug/l	0.61	1.92	1	GRO95/8021		1/23/2017	TCC	1

"J" Flag: Analyte detected between LOD and LOQ

LOD Limit of Detection

LOQ Limit of Quantitation

Code Comment

1 Laboratory QC within limits.

CWT denotes sub contract lab - Certification #445126660

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

Authorized Signature

Michael Ricker

CHAIN OF JSTODY RECORD

Synergy

Chain # No 290

Page 1 of 1

Environmental Lab, Inc.1990 Prospect Ct. • Appleton, WI 54914
920-830-2455 • FAX 920-733-0631**Sample Handling Request**Rush Analysis Date Required
(Rushes accepted only with prior authorization)☒ Normal Turn Around

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

Project (Name / Location): <i>Shortville store / Neillsville (Shortville)</i>	
Reports To: <i>Renee Mortenson</i>	Invoice To: <i>Renee Mortenson</i>
Company	Company <i>C/O METCO</i>
Address <i>W4109 State Hwy 73</i>	Address <i>709 Gillette St, Ste. 3</i>
City State Zip <i>Neillsville, WI 54456</i>	City State Zip <i>La Crosse, WI 54603</i>
Phone	Phone
FAX	FAX

Lab I.D.	Sample I.D.	Collection		Comp	Grab	Filtered Y/N	No. of Containers	Sample Type (Matrix)*	Preservation	Analysis Requested														Other Analysis			
		Date	Time							DRO (Mod DRO Sep 95)	GRO (Mod GRO Sep 95)	LEAD (EPA 8210)	NITRATE/NITRITE	OIL & GREASE	PAH (EPA 8270)	PCB	PVOC (EPA 8211)	PVOC + NAPHTHALENE	SULFATE	TOTAL SUSPENDED SOLIDS	VOC DW (EPA 542.2)	VOC (EPA 8260)	8-PCRA METALS				
<i>SOS 322</i>	<i>MW-6</i>	<i>1-19</i>	<i>945</i>			<i>N</i>	<i>3</i>	<i>GW</i>	<i>HCL</i>									<i>X</i>									
<i>S</i>	<i>MW-5</i>	<i>1</i>	<i>1010</i>			<i>↓</i>	<i>↓</i>	<i>↓</i>	<i>↓</i>									<i>X</i>									
<i>C</i>	<i>MW-4</i>	<i>1</i>	<i>1030</i>			<i>↓</i>	<i>↓</i>	<i>↓</i>	<i>↓</i>									<i>X</i>									
<i>D</i>	<i>MW-3</i>	<i>1</i>	<i>1115</i>			<i>↓</i>	<i>↓</i>	<i>↓</i>	<i>↓</i>									<i>X</i>									
<i>S</i>	<i>MW-2</i>	<i>↓</i>	<i>1140</i>			<i>↓</i>	<i>↓</i>	<i>↓</i>	<i>↓</i>									<i>X</i>									
<i>R</i>	<i>MW-1</i>	<i>↓</i>	<i>1205</i>			<i>↓</i>	<i>↓</i>	<i>↓</i>	<i>HCL, HNO₃</i>			<i>X</i>						<i>X</i>									
<i>G</i>	<i>TB</i>						<i>1</i>		<i>HCL</i>									<i>X</i>									

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

Lab to send copy of report to METCO / Jason P. (Invoice to METCO)
** ute Rates apply*
** Agent status*

Sample Integrity: To be completed by receiving lab.	Relinquished By: (sign) <i>Jon Jann</i>	Time <i>8:00 AM</i>	Date <i>1-20-17</i>	Received By: (sign)	Time	Date
	Method of Shipment: <i>Box</i>					
Temp. of Temp. Blank: <i>Blank</i>	Temp. On Ice: ☒					
Cooler seal intact upon receipt: ☒ Yes ☐ No	Received in Laboratory By: <i>Ch...</i>	Time: <i>10:00</i>	Date: <i>1/21/17</i>			

Synergy Environmental Lab,

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

RENEE MORTENSON
RENEE MORTENSON
W4109 STATE HWY 73
NEILLSVILLE, WI 54456

Report Date 04-May-17

Project Name SHORTVILLE STORE
Project #

Invoice # E32802

Lab Code 5032802A
Sample ID MW-6
Sample Matrix Water
Sample Date 4/19/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	< 0.17	ug/l	0.17	0.55	1	8260B		4/25/2017	CJR	1
Ethylbenzene	< 0.2	ug/l	0.2	0.63	1	8260B		4/25/2017	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.82	ug/l	0.82	2.6	1	8260B		4/25/2017	CJR	1
Naphthalene	< 2.17	ug/l	2.17	6.9	1	8260B		4/25/2017	CJR	1
Toluene	< 0.67	ug/l	0.67	2.13	1	8260B		4/25/2017	CJR	1
1,2,4-Trimethylbenzene	< 1.14	ug/l	1.14	3.63	1	8260B		4/25/2017	CJR	1
1,3,5-Trimethylbenzene	< 0.91	ug/l	0.91	2.9	1	8260B		4/25/2017	CJR	1
m&p-Xylene	< 1.56	ug/l	1.56	4.95	1	8260B		4/25/2017	CJR	1
o-Xylene	< 0.39	ug/l	0.39	1.25	1	8260B		4/25/2017	CJR	1

Lab Code 5032802B
Sample ID MW-5
Sample Matrix Water
Sample Date 4/19/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	< 0.17	ug/l	0.17	0.55	1	8260B		4/25/2017	CJR	1
Ethylbenzene	< 0.2	ug/l	0.2	0.63	1	8260B		4/25/2017	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.82	ug/l	0.82	2.6	1	8260B		4/25/2017	CJR	1
Naphthalene	< 2.17	ug/l	2.17	6.9	1	8260B		4/25/2017	CJR	1
Toluene	< 0.67	ug/l	0.67	2.13	1	8260B		4/25/2017	CJR	1
1,2,4-Trimethylbenzene	< 1.14	ug/l	1.14	3.63	1	8260B		4/25/2017	CJR	1
1,3,5-Trimethylbenzene	< 0.91	ug/l	0.91	2.9	1	8260B		4/25/2017	CJR	1
m&p-Xylene	< 1.56	ug/l	1.56	4.95	1	8260B		4/25/2017	CJR	1
o-Xylene	< 0.39	ug/l	0.39	1.25	1	8260B		4/25/2017	CJR	1

Project Name SHORTVILLE STORE

Invoice # E32802

Project #

Lab Code 5032802C

Sample ID MW-4

Sample Matrix Water

Sample Date 4/19/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	< 0.17	ug/l	0.17	0.55	1	8260B		4/25/2017	CJR	1
Ethylbenzene	< 0.2	ug/l	0.2	0.63	1	8260B		4/25/2017	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.82	ug/l	0.82	2.6	1	8260B		4/25/2017	CJR	1
Naphthalene	< 2.17	ug/l	2.17	6.9	1	8260B		4/25/2017	CJR	1
Toluene	< 0.67	ug/l	0.67	2.13	1	8260B		4/25/2017	CJR	1
1,2,4-Trimethylbenzene	< 1.14	ug/l	1.14	3.63	1	8260B		4/25/2017	CJR	1
1,3,5-Trimethylbenzene	< 0.91	ug/l	0.91	2.9	1	8260B		4/25/2017	CJR	1
m&p-Xylene	< 1.56	ug/l	1.56	4.95	1	8260B		4/25/2017	CJR	1
o-Xylene	< 0.39	ug/l	0.39	1.25	1	8260B		4/25/2017	CJR	1

Lab Code 5032802D

Sample ID MW-3

Sample Matrix Water

Sample Date 4/19/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	2.41	ug/l	0.17	0.55	1	8260B		4/25/2017	CJR	1
Ethylbenzene	< 0.2	ug/l	0.2	0.63	1	8260B		4/25/2017	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.82	ug/l	0.82	2.6	1	8260B		4/25/2017	CJR	1
Naphthalene	< 2.17	ug/l	2.17	6.9	1	8260B		4/25/2017	CJR	1
Toluene	< 0.67	ug/l	0.67	2.13	1	8260B		4/25/2017	CJR	1
1,2,4-Trimethylbenzene	< 1.14	ug/l	1.14	3.63	1	8260B		4/25/2017	CJR	1
1,3,5-Trimethylbenzene	< 0.91	ug/l	0.91	2.9	1	8260B		4/25/2017	CJR	1
m&p-Xylene	< 1.56	ug/l	1.56	4.95	1	8260B		4/25/2017	CJR	1
o-Xylene	< 0.39	ug/l	0.39	1.25	1	8260B		4/25/2017	CJR	1

Lab Code 5032802E

Sample ID MW-2

Sample Matrix Water

Sample Date 4/19/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	< 0.17	ug/l	0.17	0.55	1	8260B		4/25/2017	CJR	1
Ethylbenzene	< 0.2	ug/l	0.2	0.63	1	8260B		4/25/2017	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.82	ug/l	0.82	2.6	1	8260B		4/25/2017	CJR	1
Naphthalene	< 2.17	ug/l	2.17	6.9	1	8260B		4/25/2017	CJR	1
Toluene	< 0.67	ug/l	0.67	2.13	1	8260B		4/25/2017	CJR	1
1,2,4-Trimethylbenzene	< 1.14	ug/l	1.14	3.63	1	8260B		4/25/2017	CJR	1
1,3,5-Trimethylbenzene	< 0.91	ug/l	0.91	2.9	1	8260B		4/25/2017	CJR	1
m&p-Xylene	< 1.56	ug/l	1.56	4.95	1	8260B		4/25/2017	CJR	1
o-Xylene	< 0.39	ug/l	0.39	1.25	1	8260B		4/25/2017	CJR	1

Project Name SHORTVILLE STORE

Invoice # E32802

Project

Lab Code 5032802F

Sample ID MW-I

Sample Matrix Water

Sample Date 4/19/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Inorganic										
Metals										
Lead, Dissolved	< 4.5	ug/L	4.5	15	5	7421		4/26/2017	CWT	1 49
Organic										
PVOC + Naphthalene										
Benzene	3080	ug/l	17	55	100	8260B		4/27/2017	CJR	1
Ethylbenzene	1150	ug/l	2	6.3	10	8260B		4/25/2017	CJR	1
Methyl tert-butyl ether (MTBE)	< 8.2	ug/l	8.2	26	10	8260B		4/25/2017	CJR	1
Naphthalene	420	ug/l	21.7	69	10	8260B		4/25/2017	CJR	1
Toluene	5800	ug/l	67	213	100	8260B		4/27/2017	CJR	1
1,2,4-Trimethylbenzene	580	ug/l	11.4	36.3	10	8260B		4/25/2017	CJR	1
1,3,5-Trimethylbenzene	150	ug/l	9.1	29	10	8260B		4/25/2017	CJR	1
m&p-Xylene	3040	ug/l	15.6	49.5	10	8260B		4/25/2017	CJR	1
o-Xylene	1250	ug/l	3.9	12.5	10	8260B		4/25/2017	CJR	1

Lab Code 5032802G

Sample ID TB

Sample Matrix Water

Sample Date 4/19/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	< 0.17	ug/l	0.17	0.55	1	8260B		4/25/2017	CJR	1
Ethylbenzene	< 0.2	ug/l	0.2	0.63	1	8260B		4/25/2017	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.82	ug/l	0.82	2.6	1	8260B		4/25/2017	CJR	1
Naphthalene	< 2.17	ug/l	2.17	6.9	1	8260B		4/25/2017	CJR	1
Toluene	< 0.67	ug/l	0.67	2.13	1	8260B		4/25/2017	CJR	1
1,2,4-Trimethylbenzene	< 1.14	ug/l	1.14	3.63	1	8260B		4/25/2017	CJR	1
1,3,5-Trimethylbenzene	< 0.91	ug/l	0.91	2.9	1	8260B		4/25/2017	CJR	1
m&p-Xylene	< 1.56	ug/l	1.56	4.95	1	8260B		4/25/2017	CJR	1
o-Xylene	< 0.39	ug/l	0.39	1.25	1	8260B		4/25/2017	CJR	1

"J" Flag: Analyte detected between LOD and LOQ

LOD Limit of Detection

LOQ Limit of Quantitation

Code Comment

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

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

Authorized Signature

Michael Ricker

CHAIN OF CUSTODY RECORD

Synergy**Environmental Lab, Inc.**Chain # 318Page 1 of 1

Lab ID: #	
Account No.:	Quote No.:
Project #:	
Sampler: (signature) <u>Jon J...</u>	

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

Sample Handling Request

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

☒ Normal Turn Around

Project (Name / Location): <u>Shortville Store / Neillsville (Shortville)</u>	
Reports To: <u>Renee Mortenson</u>	Invoice To: <u>Renee Mortenson</u>
Company	Company <u>C/O METCO</u>
Address <u>W4109 State Hwy 73</u>	Address <u>709 Gillette St, Ste. 3</u>
City State Zip <u>Neillsville, WI 54456</u>	City State Zip <u>La Crosse, WI 54603</u>
Phone	Phone
FAX	FAX

Analysis Requested**Other Analysis**

Lab ID	Sample I.D.	Collection Date	Time	Comp	Grab	Filtered Y/N	No. of Containers	Sample Type (Matrix)*	Preservation	DRO (Mod DRO Sep 95)	GRO (Mod GRO Sep 95)	LEAD (Dissolved)	NITRATE/NITRITE	OIL & GREASE	PAH (EPA 8270)	PCB	PVOC (EPA 8021)	PVOC + NAPHTHALENE	SULFATE	TOTAL SUSPENDED SOLIDS	VOC DW (EPA 542.2)	VOC (EPA 8260)	8-PCRA METALS	PID/ FID
<u>503/80-A</u>	<u>MW-6</u>	<u>4-19</u>	<u>930</u>			<u>N</u>	<u>3</u>	<u>GW</u>	<u>HCL</u>									<u>X</u>						
<u>B</u>	<u>MW-5</u>	<u>1</u>	<u>955</u>			<u>↓</u>	<u>↓</u>	<u>↓</u>	<u>↓</u>									<u>X</u>						
<u>C</u>	<u>MW-4</u>	<u>1</u>	<u>1020</u>			<u>↓</u>	<u>↓</u>	<u>↓</u>	<u>↓</u>									<u>X</u>						
<u>D</u>	<u>MW-3</u>	<u>1</u>	<u>1050</u>			<u>↓</u>	<u>↓</u>	<u>↓</u>	<u>↓</u>									<u>X</u>						
<u>E</u>	<u>MW-2</u>	<u>1</u>	<u>1110</u>			<u>↓</u>	<u>↓</u>	<u>↓</u>	<u>↓</u>									<u>X</u>						
<u>F</u>	<u>MW-1</u>	<u>✓</u>	<u>1135</u>			<u>Y</u>	<u>4</u>	<u>↓</u>	<u>HCL, HNO₃</u>			<u>X</u>						<u>X</u>						
<u>G</u>	<u>TB</u>						<u>1</u>		<u>HCL</u>									<u>X</u>						

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

Lab to send copy of report to METCO / Jason P. (Invoice to METCO)
* UTC Rates apply
* Agent Status

Sample Integrity - To be completed by receiving lab Method of Shipment: <u>Sm</u> Temp. of Temp. Blank: _____ °C On Ice: ☒ Cooler seal intact upon receipt: ☒ Yes ☐ No	Relinquished By: (sign) <u>Jon J...</u>	Time <u>2:30 PM</u>	Date <u>4-19-17</u>	Received By: (sign) _____	Time _____	Date _____
	Received in Laboratory By: <u>Chandra / Ron</u>					
Time: <u>8:00</u> Date: <u>4/21/17</u>						

Synergy Environmental Lab,

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

RENEE MORTENSON
RENEE MORTENSON
W4109 STATE HWY 73
NEILLSVILLE, WI 54456

Report Date 31-Jul-17

Project Name SHORTVILLE STORE
Project #

Invoice # E33288

Lab Code 5033288A
Sample ID MW-6
Sample Matrix Water
Sample Date 7/19/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	< 0.17	ug/l	0.17	0.55	1	8260B		7/21/2017	CJR	1
Ethylbenzene	< 0.2	ug/l	0.2	0.63	1	8260B		7/21/2017	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.82	ug/l	0.82	2.6	1	8260B		7/21/2017	CJR	1
Naphthalene	< 2.17	ug/l	2.17	6.9	1	8260B		7/21/2017	CJR	1
Toluene	< 0.67	ug/l	0.67	2.13	1	8260B		7/21/2017	CJR	1
1,2,4-Trimethylbenzene	< 1.14	ug/l	1.14	3.63	1	8260B		7/21/2017	CJR	1
1,3,5-Trimethylbenzene	< 0.91	ug/l	0.91	2.9	1	8260B		7/21/2017	CJR	1
m&p-Xylene	< 1.56	ug/l	1.56	4.95	1	8260B		7/21/2017	CJR	1
o-Xylene	< 0.39	ug/l	0.39	1.25	1	8260B		7/21/2017	CJR	1

Lab Code 5033288B
Sample ID MW-5
Sample Matrix Water
Sample Date 7/19/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	< 0.17	ug/l	0.17	0.55	1	8260B		7/21/2017	CJR	1
Ethylbenzene	< 0.2	ug/l	0.2	0.63	1	8260B		7/21/2017	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.82	ug/l	0.82	2.6	1	8260B		7/21/2017	CJR	1
Naphthalene	< 2.17	ug/l	2.17	6.9	1	8260B		7/21/2017	CJR	1
Toluene	< 0.67	ug/l	0.67	2.13	1	8260B		7/21/2017	CJR	1
1,2,4-Trimethylbenzene	< 1.14	ug/l	1.14	3.63	1	8260B		7/21/2017	CJR	1
1,3,5-Trimethylbenzene	< 0.91	ug/l	0.91	2.9	1	8260B		7/21/2017	CJR	1
m&p-Xylene	< 1.56	ug/l	1.56	4.95	1	8260B		7/21/2017	CJR	1
o-Xylene	< 0.39	ug/l	0.39	1.25	1	8260B		7/21/2017	CJR	1

Project

Lab Code 5033288C

Sample ID MW-4

Sample Matrix Water

Sample Date 7/19/2017

	Result	Unit	LOD	LOQ	Dil.	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	< 0.17	ug/l	0.17	0.55	1	8260B		7/21/2017	CJR	1
Ethylbenzene	< 0.2	ug/l	0.2	0.63	1	8260B		7/21/2017	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.82	ug/l	0.82	2.6	1	8260B		7/21/2017	CJR	1
Naphthalene	< 2.17	ug/l	2.17	6.9	1	8260B		7/21/2017	CJR	1
Toluene	< 0.67	ug/l	0.67	2.13	1	8260B		7/21/2017	CJR	1
1,2,4-Trimethylbenzene	< 1.14	ug/l	1.14	3.63	1	8260B		7/21/2017	CJR	1
1,3,5-Trimethylbenzene	< 0.91	ug/l	0.91	2.9	1	8260B		7/21/2017	CJR	1
m&p-Xylene	< 1.56	ug/l	1.56	4.95	1	8260B		7/21/2017	CJR	1
o-Xylene	< 0.39	ug/l	0.39	1.25	1	8260B		7/21/2017	CJR	1

Lab Code 5033288D

Sample ID MW-3

Sample Matrix Water

Sample Date 7/19/2017

	Result	Unit	LOD	LOQ	Dil.	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	2.85	ug/l	0.17	0.55	1	8260B		7/21/2017	CJR	1
Ethylbenzene	< 0.2	ug/l	0.2	0.63	1	8260B		7/21/2017	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.82	ug/l	0.82	2.6	1	8260B		7/21/2017	CJR	1
Naphthalene	< 2.17	ug/l	2.17	6.9	1	8260B		7/21/2017	CJR	1
Toluene	< 0.67	ug/l	0.67	2.13	1	8260B		7/21/2017	CJR	1
1,2,4-Trimethylbenzene	< 1.14	ug/l	1.14	3.63	1	8260B		7/21/2017	CJR	1
1,3,5-Trimethylbenzene	< 0.91	ug/l	0.91	2.9	1	8260B		7/21/2017	CJR	1
m&p-Xylene	< 1.56	ug/l	1.56	4.95	1	8260B		7/21/2017	CJR	1
o-Xylene	< 0.39	ug/l	0.39	1.25	1	8260B		7/21/2017	CJR	1

Lab Code 5033288E

Sample ID MW-2

Sample Matrix Water

Sample Date 7/19/2017

	Result	Unit	LOD	LOQ	Dil.	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	41	ug/l	0.17	0.55	1	8260B		7/21/2017	CJR	1
Ethylbenzene	< 0.2	ug/l	0.2	0.63	1	8260B		7/21/2017	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.82	ug/l	0.82	2.6	1	8260B		7/21/2017	CJR	1
Naphthalene	< 2.17	ug/l	2.17	6.9	1	8260B		7/21/2017	CJR	1
Toluene	< 0.67	ug/l	0.67	2.13	1	8260B		7/21/2017	CJR	1
1,2,4-Trimethylbenzene	1.74 "J"	ug/l	1.14	3.63	1	8260B		7/21/2017	CJR	1
1,3,5-Trimethylbenzene	< 0.91	ug/l	0.91	2.9	1	8260B		7/21/2017	CJR	1
m&p-Xylene	< 1.56	ug/l	1.56	4.95	1	8260B		7/21/2017	CJR	1
o-Xylene	16.3	ug/l	0.39	1.25	1	8260B		7/21/2017	CJR	1

Project

Lab Code 5033288F

Sample ID MW-1

Sample Matrix Water

Sample Date 7/19/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Inorganic										
Metals										
Lead, Dissolved	3.3	ug/L	0.9	3	1	7421		7/25/2017	CWT	1
Organic										
PVOC + Naphthalene										
Benzene	2260	ug/l	8.5	27.5	50	8260B		7/22/2017	CJR	1
Ethylbenzene	1100	ug/l	10	31.5	50	8260B		7/22/2017	CJR	1
Methyl tert-butyl ether (MTBE)	< 41	ug/l	41	130	50	8260B		7/22/2017	CJR	1
Naphthalene	530	ug/l	108.5	345	50	8260B		7/22/2017	CJR	1
Toluene	5300	ug/l	33.5	106.5	50	8260B		7/22/2017	CJR	1
1,2,4-Trimethylbenzene	510	ug/l	57	181.5	50	8260B		7/22/2017	CJR	1
1,3,5-Trimethylbenzene	122 "J"	ug/l	45.5	145	50	8260B		7/22/2017	CJR	1
m&p-Xylene	2800	ug/l	78	247.5	50	8260B		7/22/2017	CJR	1
o-Xylene	1210	ug/l	19.5	62.5	50	8260B		7/22/2017	CJR	1

Lab Code 5033288G

Sample ID TB

Sample Matrix Water

Sample Date 7/19/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	< 0.17	ug/l	0.17	0.55	1	8260B		7/21/2017	CJR	1
Ethylbenzene	< 0.2	ug/l	0.2	0.63	1	8260B		7/21/2017	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.82	ug/l	0.82	2.6	1	8260B		7/21/2017	CJR	1
Naphthalene	< 2.17	ug/l	2.17	6.9	1	8260B		7/21/2017	CJR	1
Toluene	< 0.67	ug/l	0.67	2.13	1	8260B		7/21/2017	CJR	1
1,2,4-Trimethylbenzene	< 1.14	ug/l	1.14	3.63	1	8260B		7/21/2017	CJR	1
1,3,5-Trimethylbenzene	< 0.91	ug/l	0.91	2.9	1	8260B		7/21/2017	CJR	1
m&p-Xylene	< 1.56	ug/l	1.56	4.95	1	8260B		7/21/2017	CJR	1
o-Xylene	< 0.39	ug/l	0.39	1.25	1	8260B		7/21/2017	CJR	1

"J" Flag: Analyte detected between LOD and LOQ

LOD Limit of Detection

LOQ Limit of Quantitation

Code Comment

1 Laboratory QC within limits.

CWT denotes sub contract lab - Certification #445126660

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

Authorized Signature

Michael Ricker

CHAIN OF STUDY RECORD

Synergy

Chain # No 347

Page 1 of 1

Environmental Lab, Inc.

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

Sample Handling Request

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

Account No.:	Quote No.:
Project #:	
Sampler: (signature) <i>Jon Farn</i>	

Project (Name / Location): <i>Shortville store / Neillsville</i>	
Reports To: <i>Renee Mortenson</i>	Invoice To: <i>Renee Mortenson</i>
Company:	Company: <i>C/O METCO</i>
Address: <i>W4104 State Hwy 73</i>	Address: <i>709 Gillette St, Ste. 3</i>
City State Zip: <i>Neillsville, WI 54456</i>	City State Zip: <i>La Crosse, WI 54603</i>
Phone:	Phone:
FAX:	FAX:

Lab ID	Sample I.D.	Collection		Comp	Grab	Filtered Y/N	No. of Containers	Sample Type (Matrix)*	Preservation	DRO (Mod)	GRO (Mod)	LEAD (L)	NITRATE	OIL & GR	PAH (EPA)	PCB	PVOC (EPA)	PVOC + N	SULFATE	TOTAL SOL	VOC DW	VOC (EPA)	8-PCRA N																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
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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)
** rate rates apply*
** Agent status*

Sample Integrity: To be completed by receiving lab. Method of Shipment: <i>GC</i> Temp. of Temp. Blank: _____ °C On Ice: ☒ Cooler equilibrated upon receipt: ☒ Yes ☐ No	Relinquished By: (sign) <i>Jon Farn</i>	Time <i>2:00 PM</i>	Date <i>7-19-17</i>	Received By: (sign) _____	Time _____	Date _____
	Received in Laboratory By: <i>Chantal / [Signature]</i>					
	Time: <i>8:00</i> Date: <i>7/20/17</i>					

Synergy Environmental Lab,

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

RENEE MORTENSON
RENEE MORTENSON
W4109 STATE HWY 73
NEILLSVILLE, WI 54456

Report Date 31-Oct-17

Project Name SHORTVILLE STORE
Project #

Invoice # E33757

Lab Code 5033757A
Sample ID MW-6
Sample Matrix Water
Sample Date 10/19/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	0.68 "J"	ug/l	0.27	0.87	1	GRO95/8021		10/23/2017	TCC	1
Ethylbenzene	< 0.56	ug/l	0.56	1.77	1	GRO95/8021		10/23/2017	TCC	1
Methyl tert-butyl ether (MTBE)	< 0.43	ug/l	0.43	1.36	1	GRO95/8021		10/23/2017	TCC	1
Naphthalene	< 1.7	ug/l	1.7	5.27	1	GRO95/8021		10/23/2017	TCC	1
Toluene	2.38	ug/l	0.33	1.06	1	GRO95/8021		10/23/2017	TCC	1
1,2,4-Trimethylbenzene	< 0.56	ug/l	0.56	1.78	1	GRO95/8021		10/23/2017	TCC	1
1,3,5-Trimethylbenzene	< 0.58	ug/l	0.58	1.84	1	GRO95/8021		10/23/2017	TCC	1
m&p-Xylene	< 1.1	ug/l	1.1	3.49	1	GRO95/8021		10/23/2017	TCC	1
o-Xylene	< 0.61	ug/l	0.61	1.92	1	GRO95/8021		10/23/2017	TCC	1

Lab Code 5033757B
Sample ID MW-5
Sample Matrix Water
Sample Date 10/19/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	1.12	ug/l	0.27	0.87	1	GRO95/8021		10/23/2017	TCC	1
Ethylbenzene	< 0.56	ug/l	0.56	1.77	1	GRO95/8021		10/23/2017	TCC	1
Methyl tert-butyl ether (MTBE)	< 0.43	ug/l	0.43	1.36	1	GRO95/8021		10/23/2017	TCC	1
Naphthalene	< 1.7	ug/l	1.7	5.27	1	GRO95/8021		10/23/2017	TCC	1
Toluene	4.0	ug/l	0.33	1.06	1	GRO95/8021		10/23/2017	TCC	1
1,2,4-Trimethylbenzene	< 0.56	ug/l	0.56	1.78	1	GRO95/8021		10/23/2017	TCC	1
1,3,5-Trimethylbenzene	< 0.58	ug/l	0.58	1.84	1	GRO95/8021		10/23/2017	TCC	1
m&p-Xylene	1.11 "J"	ug/l	1.1	3.49	1	GRO95/8021		10/23/2017	TCC	1
o-Xylene	< 0.61	ug/l	0.61	1.92	1	GRO95/8021		10/23/2017	TCC	1

Project

Lab Code 5033757C
 Sample ID MW-4
 Sample Matrix Water
 Sample Date 10/19/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	1.09	ug/l	0.27	0.87	1	GRO95/8021		10/23/2017	TCC	1
Ethylbenzene	< 0.56	ug/l	0.56	1.77	1	GRO95/8021		10/23/2017	TCC	1
Methyl tert-butyl ether (MTBE)	< 0.43	ug/l	0.43	1.36	1	GRO95/8021		10/23/2017	TCC	1
Naphthalene	< 1.7	ug/l	1.7	5.27	1	GRO95/8021		10/23/2017	TCC	1
Toluene	3.2	ug/l	0.33	1.06	1	GRO95/8021		10/23/2017	TCC	1
1,2,4-Trimethylbenzene	< 0.56	ug/l	0.56	1.78	1	GRO95/8021		10/23/2017	TCC	1
1,3,5-Trimethylbenzene	< 0.58	ug/l	0.58	1.84	1	GRO95/8021		10/23/2017	TCC	1
m&p-Xylene	< 1.1	ug/l	1.1	3.49	1	GRO95/8021		10/23/2017	TCC	1
o-Xylene	< 0.61	ug/l	0.61	1.92	1	GRO95/8021		10/23/2017	TCC	1

Lab Code 5033757D
 Sample ID MW-3
 Sample Matrix Water
 Sample Date 10/19/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	2.93	ug/l	0.27	0.87	1	GRO95/8021		10/30/2017	TCC	1
Ethylbenzene	< 0.56	ug/l	0.56	1.77	1	GRO95/8021		10/30/2017	TCC	1
Methyl tert-butyl ether (MTBE)	< 0.43	ug/l	0.43	1.36	1	GRO95/8021		10/30/2017	TCC	1
Naphthalene	< 1.7	ug/l	1.7	5.27	1	GRO95/8021		10/30/2017	TCC	1
Toluene	3.4	ug/l	0.33	1.06	1	GRO95/8021		10/30/2017	TCC	1
1,2,4-Trimethylbenzene	< 0.56	ug/l	0.56	1.78	1	GRO95/8021		10/30/2017	TCC	1
1,3,5-Trimethylbenzene	< 0.58	ug/l	0.58	1.84	1	GRO95/8021		10/30/2017	TCC	1
m&p-Xylene	< 1.1	ug/l	1.1	3.49	1	GRO95/8021		10/30/2017	TCC	1
o-Xylene	< 0.61	ug/l	0.61	1.92	1	GRO95/8021		10/30/2017	TCC	1

Lab Code 5033757E
 Sample ID MW-2
 Sample Matrix Water
 Sample Date 10/19/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	149	ug/l	0.27	0.87	1	GRO95/8021		10/30/2017	TCC	1
Ethylbenzene	9.9	ug/l	0.56	1.77	1	GRO95/8021		10/30/2017	TCC	1
Methyl tert-butyl ether (MTBE)	< 0.43	ug/l	0.43	1.36	1	GRO95/8021		10/30/2017	TCC	1
Naphthalene	< 1.7	ug/l	1.7	5.27	1	GRO95/8021		10/30/2017	TCC	1
Toluene	20.2	ug/l	0.33	1.06	1	GRO95/8021		10/30/2017	TCC	1
1,2,4-Trimethylbenzene	6.7	ug/l	0.56	1.78	1	GRO95/8021		10/30/2017	TCC	1
1,3,5-Trimethylbenzene	1.49 "J"	ug/l	0.58	1.84	1	GRO95/8021		10/30/2017	TCC	1
m&p-Xylene	11.6	ug/l	1.1	3.49	1	GRO95/8021		10/30/2017	TCC	1
o-Xylene	7.8	ug/l	0.61	1.92	1	GRO95/8021		10/30/2017	TCC	1

Project Name SHORTVILLE STORE

Invoice # E33757

Project #

Lab Code 5033757F

Sample ID MW-1

Sample Matrix Water

Sample Date 10/19/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Inorganic										
Metals										
Lead, Dissolved	3.6	ug/L	0.9	3	1	7421		10/24/2017	CWT	1
Organic										
PVOC + Naphthalene										
Benzene	2320	ug/l	13.5	43.5	50	GRO95/8021		10/31/2017	TCC	1
Ethylbenzene	720	ug/l	28	88.5	50	GRO95/8021		10/31/2017	TCC	1
Methyl tert-butyl ether (MTBE)	< 21.5	ug/l	21.5	68	50	GRO95/8021		10/31/2017	TCC	1
Naphthalene	400	ug/l	85	263.5	50	GRO95/8021		10/31/2017	TCC	1
Toluene	3300	ug/l	16.5	53	50	GRO95/8021		10/31/2017	TCC	1
1,2,4-Trimethylbenzene	350	ug/l	28	89	50	GRO95/8021		10/31/2017	TCC	1
1,3,5-Trimethylbenzene	97	ug/l	29	92	50	GRO95/8021		10/31/2017	TCC	1
m&p-Xylene	1810	ug/l	55	174.5	50	GRO95/8021		10/31/2017	TCC	1
o-Xylene	800	ug/l	30.5	96	50	GRO95/8021		10/31/2017	TCC	1

Lab Code 5033757G

Sample ID TB

Sample Matrix Water

Sample Date 10/19/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	< 0.27	ug/l	0.27	0.87	1	GRO95/8021		10/30/2017	TCC	1
Ethylbenzene	< 0.56	ug/l	0.56	1.77	1	GRO95/8021		10/30/2017	TCC	1
Methyl tert-butyl ether (MTBE)	< 0.43	ug/l	0.43	1.36	1	GRO95/8021		10/30/2017	TCC	1
Naphthalene	< 1.7	ug/l	1.7	5.27	1	GRO95/8021		10/30/2017	TCC	1
Toluene	< 0.33	ug/l	0.33	1.06	1	GRO95/8021		10/30/2017	TCC	1
1,2,4-Trimethylbenzene	< 0.56	ug/l	0.56	1.78	1	GRO95/8021		10/30/2017	TCC	1
1,3,5-Trimethylbenzene	< 0.58	ug/l	0.58	1.84	1	GRO95/8021		10/30/2017	TCC	1
m&p-Xylene	< 1.1	ug/l	1.1	3.49	1	GRO95/8021		10/30/2017	TCC	1
o-Xylene	< 0.61	ug/l	0.61	1.92	1	GRO95/8021		10/30/2017	TCC	1

"J" Flag: Analyte detected between LOD and LOQ

LOD Limit of Detection

LOQ Limit of Quantitation

Code Comment

1 Laboratory QC within limits.

CWT denotes sub contract lab - Certification #445126660

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

Authorized Signature

Michael Ricker

CHAIN OF STUDY RECORD

Synergy

Chain # No 338

Page 1 of 1

Environmental Lab, Inc.

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

Sample Handling Request

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

☒ Normal Turn Around

Lab ID #	
Account No. :	Quote No.:
Project #:	
Sampler: (signature) 	

Project (Name / Location): Shortville Store / Neillsville

Reports To: Renee Mortenson

Invoice To: R. Monterson

Company

Company C/O METLO

Address W4109 State Hwy 73

Address 709 Gillette St, Ste. 3

City State Zip Neillsville, WI 54456

City State Zip La Crosse, WI 54603

Phone

Phone

FAX

FAX

[illegible]**Analysis Requested**

Other Analysis

[illegible]

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)

* Use rates apply

* Agent Status

Sample Integrity - To be completed by receiving lab:

Method of Shipment airTemp. of Temp. Blank _____ °C On Ice ~~X~~Cooler seal intact upon receipt: ☒ Yes ☐ No

Relinquished By: (sign)

Time

Date: _____

Received By: (sign) _____

Time

Date _____

John Jones

2:15 PM 10-19-17

Received in Laboratory By:

Time: 8:00

Date: 16/20/17

Synergy Environmental Lab,

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

RENEE MORTENSON
RENEE MORTENSON
W4109 STATE HWY 73
NEILLSVILLE, WI 54456

Report Date 13-Dec-17

Project Name SHORTVILLE STORE
Project #

Invoice # E33960

Lab Code 5033960A
Sample ID G-11-1
Sample Matrix Soil
Sample Date 11/22/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	78.2	%			1	5021		11/28/2017	NJC	I
Inorganic										
Metals										
Lead, Total	19.2	mg/Kg	0.17	0.58	1	6010B		12/11/2017	CWT	I
Organic										
PVOC + Naphthalene										
Benzene	< 0.025	mg/kg	0.019	0.06	1	GRO95/8021		12/5/2017	TCC	I
Ethylbenzene	< 0.025	mg/kg	0.01	0.032	1	GRO95/8021		12/5/2017	TCC	I
Methyl tert-butyl ether (MTBE)	< 0.025	mg/kg	0.0079	0.025	1	GRO95/8021		12/5/2017	TCC	I
Naphthalene	< 0.025	mg/kg	0.022	0.07	1	GRO95/8021		12/5/2017	TCC	I
Toluene	< 0.025	mg/kg	0.014	0.046	1	GRO95/8021		12/5/2017	TCC	I
1,2,4-Trimethylbenzene	< 0.025	mg/kg	0.01	0.032	1	GRO95/8021		12/5/2017	TCC	I
1,3,5-Trimethylbenzene	< 0.025	mg/kg	0.011	0.036	1	GRO95/8021		12/5/2017	TCC	I
m&p-Xylene	< 0.05	mg/kg	0.012	0.037	1	GRO95/8021		12/5/2017	TCC	I
o-Xylene	< 0.025	mg/kg	0.015	0.047	1	GRO95/8021		12/5/2017	TCC	I

Project

Lab Code 5033960B
 Sample ID G-11-2
 Sample Matrix Soil
 Sample Date 11/22/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	80.0	%			1	5021		11/28/2017	NJC	1
Inorganic										
Metals										
Lead, Total	3.98	mg/Kg	0.17	0.58	1	6010B		12/11/2017	CWT	1
Organic										
PVOC + Naphthalene										
Benzene	< 0.025	mg/kg	0.019	0.06	1	GRO95/8021		12/5/2017	TCC	1
Ethylbenzene	< 0.025	mg/kg	0.01	0.032	1	GRO95/8021		12/5/2017	TCC	1
Methyl tert-butyl ether (MTBE)	< 0.025	mg/kg	0.0079	0.025	1	GRO95/8021		12/5/2017	TCC	1
Naphthalene	< 0.025	mg/kg	0.022	0.07	1	GRO95/8021		12/5/2017	TCC	1
Toluene	< 0.025	mg/kg	0.014	0.046	1	GRO95/8021		12/5/2017	TCC	1
1,2,4-Trimethylbenzene	< 0.025	mg/kg	0.01	0.032	1	GRO95/8021		12/5/2017	TCC	1
1,3,5-Trimethylbenzene	< 0.025	mg/kg	0.011	0.036	1	GRO95/8021		12/5/2017	TCC	1
m&p-Xylene	< 0.05	mg/kg	0.012	0.037	1	GRO95/8021		12/5/2017	TCC	1
o-Xylene	< 0.025	mg/kg	0.015	0.047	1	GRO95/8021		12/5/2017	TCC	1

Lab Code 5033960C
 Sample ID G-12-1
 Sample Matrix Soil
 Sample Date 11/22/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	84.3	%			1	5021		11/28/2017	NJC	1
Inorganic										
Metals										
Lead, Total	21.7	mg/Kg	0.17	0.58	1	6010B		12/11/2017	CWT	1
Organic										
PVOC + Naphthalene										
Benzene	< 0.025	mg/kg	0.019	0.06	1	GRO95/8021		12/5/2017	TCC	1
Ethylbenzene	< 0.025	mg/kg	0.01	0.032	1	GRO95/8021		12/5/2017	TCC	1
Methyl tert-butyl ether (MTBE)	< 0.025	mg/kg	0.0079	0.025	1	GRO95/8021		12/5/2017	TCC	1
Naphthalene	< 0.025	mg/kg	0.022	0.07	1	GRO95/8021		12/5/2017	TCC	1
Toluene	< 0.025	mg/kg	0.014	0.046	1	GRO95/8021		12/5/2017	TCC	1
1,2,4-Trimethylbenzene	< 0.025	mg/kg	0.01	0.032	1	GRO95/8021		12/5/2017	TCC	1
1,3,5-Trimethylbenzene	< 0.025	mg/kg	0.011	0.036	1	GRO95/8021		12/5/2017	TCC	1
m&p-Xylene	< 0.05	mg/kg	0.012	0.037	1	GRO95/8021		12/5/2017	TCC	1
o-Xylene	< 0.025	mg/kg	0.015	0.047	1	GRO95/8021		12/5/2017	TCC	1

Project Name SHORTVILLE STORE

Invoice # E33960

Project

Lab Code 5033960D

Sample ID G-12-2

Sample Matrix Soil

Sample Date 11/22/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	79.1	%			1	5021		11/28/2017	NJC	1
Inorganic										
Metals										
Lead, Total	10.2	mg/Kg	0.17	0.58	1	6010B		12/11/2017	CWT	1
Organic										
PVOC + Naphthalene										
Benzene	< 0.025	mg/kg	0.019	0.06	1	GRO95/8021		12/5/2017	TCC	1
Ethylbenzene	< 0.025	mg/kg	0.01	0.032	1	GRO95/8021		12/5/2017	TCC	1
Methyl tert-butyl ether (MTBE)	< 0.025	mg/kg	0.0079	0.025	1	GRO95/8021		12/5/2017	TCC	1
Naphthalene	< 0.025	mg/kg	0.022	0.07	1	GRO95/8021		12/5/2017	TCC	1
Toluene	< 0.025	mg/kg	0.014	0.046	1	GRO95/8021		12/5/2017	TCC	1
1,2,4-Trimethylbenzene	< 0.025	mg/kg	0.01	0.032	1	GRO95/8021		12/5/2017	TCC	1
1,3,5-Trimethylbenzene	< 0.025	mg/kg	0.011	0.036	1	GRO95/8021		12/5/2017	TCC	1
m&p-Xylene	< 0.05	mg/kg	0.012	0.037	1	GRO95/8021		12/5/2017	TCC	1
o-Xylene	< 0.025	mg/kg	0.015	0.047	1	GRO95/8021		12/5/2017	TCC	1

Lab Code 5033960E

Sample ID G-13-1

Sample Matrix Soil

Sample Date 11/22/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	79.8	%			1	5021		11/28/2017	NJC	1
Inorganic										
Metals										
Lead, Total	9.61	mg/Kg	0.17	0.58	1	6010B		12/11/2017	CWT	1
Organic										
PVOC + Naphthalene										
Benzene	< 0.025	mg/kg	0.019	0.06	1	GRO95/8021		12/5/2017	TCC	1
Ethylbenzene	< 0.025	mg/kg	0.01	0.032	1	GRO95/8021		12/5/2017	TCC	1
Methyl tert-butyl ether (MTBE)	< 0.025	mg/kg	0.0079	0.025	1	GRO95/8021		12/5/2017	TCC	1
Naphthalene	< 0.025	mg/kg	0.022	0.07	1	GRO95/8021		12/5/2017	TCC	1
Toluene	< 0.025	mg/kg	0.014	0.046	1	GRO95/8021		12/5/2017	TCC	1
1,2,4-Trimethylbenzene	< 0.025	mg/kg	0.01	0.032	1	GRO95/8021		12/5/2017	TCC	1
1,3,5-Trimethylbenzene	< 0.025	mg/kg	0.011	0.036	1	GRO95/8021		12/5/2017	TCC	1
m&p-Xylene	< 0.05	mg/kg	0.012	0.037	1	GRO95/8021		12/5/2017	TCC	1
o-Xylene	< 0.025	mg/kg	0.015	0.047	1	GRO95/8021		12/5/2017	TCC	1

Project Name SHORTVILLE STORE

Invoice # E33960

Project #

Lab Code 5033960F

Sample ID G-13-2

Sample Matrix Soil

Sample Date 11/22/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	80.8	%			1	5021		11/28/2017	NJC	1
Inorganic										
Metals										
Lead, Total	7.81	mg/Kg	0.17	0.58	1	6010B		12/11/2017	CWT	1
Organic										
PVOC + Naphthalene										
Benzene	< 0.025	mg/kg	0.019	0.06	1	GRO95/8021		12/5/2017	TCC	1
Ethylbenzene	< 0.025	mg/kg	0.01	0.032	1	GRO95/8021		12/5/2017	TCC	1
Methyl tert-butyl ether (MTBE)	< 0.025	mg/kg	0.0079	0.025	1	GRO95/8021		12/5/2017	TCC	1
Naphthalene	< 0.025	mg/kg	0.022	0.07	1	GRO95/8021		12/5/2017	TCC	1
Toluene	< 0.025	mg/kg	0.014	0.046	1	GRO95/8021		12/5/2017	TCC	1
1,2,4-Trimethylbenzene	< 0.025	mg/kg	0.01	0.032	1	GRO95/8021		12/5/2017	TCC	1
1,3,5-Trimethylbenzene	< 0.025	mg/kg	0.011	0.036	1	GRO95/8021		12/5/2017	TCC	1
m&p-Xylene	< 0.05	mg/kg	0.012	0.037	1	GRO95/8021		12/5/2017	TCC	1
o-Xylene	< 0.025	mg/kg	0.015	0.047	1	GRO95/8021		12/5/2017	TCC	1

"J" Flag: Analyte detected between LOD and LOQ

LOD Limit of Detection

LOQ Limit of Quantitation

Code Comment

1 Laboratory QC within limits.

CWT denotes sub contract lab - Certification #445126660

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

Authorized Signature

Michael Ricker

Environmental Lab, Inc.

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

Sample Handling Request

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

☒ Normal Turn Around

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

Project (Name / Location): *Shoreville Stone*
Reports To: *Renee Martenson* Invoice To: *Renee Martenson*
Company: _____ Company: *C/O METCO*
Address: *W4109 State Hwy 73* Address: *709 Willette St Ste 3*
City State Zip: *Neshville WI 54156* City State Zip: *La Crosse WI 54603*
Phone: _____ Phone: _____
FAX: _____ FAX: _____

Lab I.D.	Sample I.D.	Collection Date Time	Comp	Grab	Filtered Y/N	No. of Containers	Sample Type (Matrix)*	Preservation	DRO (Mod DRO Sep 95)	GRO (Mod GRO Sep 95)	LEAD	NITRATE/NITRITE	OIL & GREASE	PAH (EPA 8270)	PCB	PVOC (EPA 8021)	PVOC + NAPHTHALENE	SULFATE	TOTAL SUSPENDED SOLIDS	VOC DW (EPA 542.2)	VOC (EPA 8260)	8-PCRA METALS	PID/ FID
50355001	G-11-1	11/23/17 920		X		2	S	MCOH			X						X						
B	G-11-2	" 923		X		2	S	MCOH			X						X						
C	G-12-1	" 930		X		2	S	MCOH			X						X						
D	G-12-2	" 932		X		2	S	MCOH			X						X						
E	G-13-1	" 945		X		2	S	MCOH			X						X						
F	G-13-2	" 947		X		2	S	MCOH			X						X						

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

Send copy of report to METCO 15450 P. (Invoice to METCO)

Sample Integrity - To be completed by receiving lab. Method of Shipment: <i>Car</i> Temp. of Temp. Blank: _____ °C On Ice: ☒ Cooler seal intact upon receipt: ☒ Yes _____ No	Relinquished By: (sign) _____	Time _____	Date _____	Received By: (sign) _____	Time _____	Date _____
	_____	_____	_____	_____	_____	_____
	_____	_____	_____	_____	_____	_____
	Received in Laboratory By: <i>[Signature]</i>	Time: <i>8:00</i>	Date: <i>11/28/17</i>			

Site Investigation Report - METCO

Shortville Store

APPENDIX C/ WELL AND BOREHOLE DOCUMENTATION

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

Route to:

Watershed/Wastewater ☐

Waste Management ☐

MONITORING WELL CONSTRUCTION
Form 4400-113A Rev. 7-98

Facility/Project Name
Shortville Store

Local Grid Location of Well

ft. ☐ N. ☐ E. ☐ S. ☐ W.

Well Name MW-1

Facility License, Permit or Monitoring No.

Local Grid Origin ☐ (estimated: ☐) or Well Location ☐

Wis. Unique Well No. VP363 DNR Well ID No.

Facility ID

Lat. " Long. " or

Date Well Installed 04/25/2016

Type of Well

Section Location of Waste/Source

Well Installed By: Name (first, last) and Firm

Well Code 11, MW

1/4 of 1/4 of Sec. T. N. R. ☐ E. ☐ W.

Darrin Prentice

Distance from Waste/Source ft.

Location of Well Relative to Waste/Source

Geiss Soil & Samples LLC

Enf. Sids. Apply ☐

u ☐ Upgradient s ☐ Sidegradient d ☐ Downgradient n ☐ Not Known

A. Protective pipe, top elevation ft. MSL

B. Well casing, top elevation ft. MSL

C. Land surface elevation ft. MSL

D. Surface seal, bottom ft. MSL or 0 ft.

12. USCS classification of soil near screen:

GP ☐ GM ☐ GC ☐ GW ☐ SW ☐ SP ☐

SM ☐ SC ☐ ML ☐ MH ☐ CL ☐ CH ☐

Bedrock ☐

13. Sieve analysis performed? ☐ Yes ☒ No

14. Drilling method used: Rotary ☐ 50

Hollow Stem Auger ☒ 41

Other ☐

15. Drilling fluid used: Water ☐ 02 Air ☐ 01

Drilling Mud ☐ 03 None ☒ 99

16. Drilling additives used? ☐ Yes ☒ No

Describe

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

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

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

G. Filter pack, top ft. MSL or 3 ft.

H. Screen joint, top ft. MSL or 4 ft.

I. Well bottom ft. MSL or 14 ft.

J. Filter pack, bottom ft. MSL or 15 ft.

K. Borehole, bottom ft. MSL or 15 ft.

L. Borehole, diameter 8.25 in.

M. O.D. well casing 2.40 in.

N. I.D. well casing 2.06 in.

1. Cap and lock? ☒ Yes ☐ No

2. Protective cover pipe:

a. Inside diameter: 8 in.

b. Length: 1 ft.

c. Material: Steel ☒ 04

Other ☐

d. Additional protection? ☐ Yes ☒ No

If yes, describe:

3. Surface seal: Bentonite ☒ 30

Concrete ☒ 01

Other ☐

4. Material between well casing and protective pipe:

Bentonite ☒ 30

Other ☐

5. Annular space seal: a. Granular/Chipped Bentonite ☒ 33

b. Lbs/gal mud weight... Bentonite-sand slurry ☐ 35

c. Lbs/gal mud weight... Bentonite slurry ☐ 31

d. % Bentonite... Bentonite-cement grout ☐ 50

e. Ft³ volume added for any of the above

f. How installed: Tremie ☐ 01

Tremie pumped ☐ 02

Gravity ☒ 08

6. Bentonite seal: a. Bentonite granules ☐ 33

b. ☐ 1/4 in. ☒ 3/8 in. ☐ 1/2 in. Bentonite chips ☒ 32

c. Other ☐

7. Fine sand material: Manufacturer, product name & mesh size

a. #15 Red Flint

b. Volume added ft³

8. Filter pack material: Manufacturer, product name & mesh size

a. #40 Red Flint

b. Volume added ft³

9. Well casing: Flush threaded PVC schedule 40 ☒ 23

Flush threaded PVC schedule 80 ☐ 24

Other ☐

10. Screen material: PVC

a. Screen type: Factory cut ☒ 11

Continuous slot ☐ 01

Other ☐

b. Manufacturer 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 Darrin Prentice

Firm Geiss Soil & Samples LLC

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

Facility/Project Name <u>Shorthill Store</u>	Local Grid Location of Well ft. ☐ N. ☐ S. ☐ E. ☐ W.	Well Name <u>MW-2</u>
Facility License, Permit or Monitoring No.	Local Grid Origin ☐ (estimated: ☐) or Well Location ☐	Wis. Unique Well No. <u>VP364</u> DNR Well ID No.
Facility ID	Lat. _____ Long. _____ or	Date Well Installed <u>04/25/2016</u>
Type of Well	St. Plane _____ ft. N. _____ ft. E. S/C/N	Well Installed By: Name (first, last) and Firm <u>Darrin Prentice</u> <u>Geiss Soil & Samples LLC</u>
Well Code <u>11, MW</u>	Section Location of Waste/Source 1/4 of _____ 1/4 of Sec. _____ T. _____ N. R. _____ ☐ E. ☐ W.	
Distance from Waste/Source _____ ft.	Location of Well Relative to Waste/Source ☐ Upgradient ☐ Sidegradient ☐ Downgradient ☐ Not Known	
Enf. Stds. Apply ☐	Gov. Lot Number	

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

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

Signature Darrin Prentice Firm Geiss Soil & Samples LLC

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

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

Facility/Project Name Shortville Store	Local Grid Location of Well ft. ☐ N. ☐ E. ☐ S. ☐ W.	Well Name MW-3
Facility License, Permit or Monitoring No.	Local Grid Origin (estimated: ☐) or Well Location Lat. _____ Long. _____	Wis. Unique Well No. VP365 DNR Well ID No. _____
Facility ID	St. Plane _____ ft. N. _____ ft. E. S/C/N	Date Well Installed 8/25/2016
Type of Well Well Code 11, MW	Section Location of Waste/Source 1/4 of _____ 1/4 of Sec. _____ T. _____ N. R. _____	Well Installed By: Name (first, last) and Firm Darrin Prentice Geiss Soil & Samples LLC
Distance from Waste/Source _____ ft.	Enf. Stds. Apply ☐	
	Location of Well Relative to Waste/Source u ☐ Upgradient s ☐ Sidegradient d ☐ Downgradient n ☐ Not Known	

A. Protective pipe, top elevation _____ ft. MSL	1. Cap and lock? ☒ Yes ☐ No
B. Well casing, top elevation _____ ft. MSL	2. Protective cover pipe: a. Inside diameter: _____ in. b. Length: _____ ft. c. Material: Steel ☒ 04 Other ☐
C. Land surface elevation _____ ft. MSL	d. Additional protection? ☐ Yes ☒ No If yes, describe: _____
D. Surface seal, bottom _____ ft. MSL or _____ ft.	3. Surface seal: Bentonite ☒ 30 Concrete ☒ 01 Other ☐
12. USCS classification of soil near screen: GP ☐ GM ☐ GC ☐ GW ☐ SW ☐ SP ☐ SM ☐ SC ☐ ML ☐ MH ☐ CL ☐ CH ☐ Bedrock ☐	4. Material between well casing and protective pipe: Bentonite ☒ 30 Other ☐
13. Sieve analysis performed? ☐ Yes ☒ No	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
14. Drilling method used: Rotary ☐ 50 Hollow Stem Auger ☒ 41 Other ☐	6. Bentonite seal: a. Bentonite granules ☐ 33 b. ☐ 1/4 in. ☒ 3/8 in. ☐ 1/2 in. Bentonite chips ☒ 32 c. _____ Other ☐
15. Drilling fluid used: Water ☐ 02 Air ☐ 01 Drilling Mud ☐ 03 None ☒ 99	7. Fine sand material: Manufacturer, product name & mesh size a. #15 Red Flint b. Volume added _____ ft ³
16. Drilling additives used? ☐ Yes ☒ No	8. Filter pack material: Manufacturer, product name & mesh size a. #40 Red Flint b. Volume added _____ ft ³
Describe _____	9. Well casing: Flush threaded PVC schedule 40 ☒ 23 Flush threaded PVC schedule 80 ☐ 24 Other ☐
17. Source of water (attach analysis, if required): _____	10. Screen material: PVC a. Screen type: Factory cut ☒ 11 Continuous slot ☐ 01 Other ☐
E. Bentonite seal, top _____ ft. MSL or _____ ft.	b. Manufacturer Johnson c. Slot size: _____ in. d. Slotted length: _____ ft.
F. Fine sand, top _____ ft. MSL or _____ ft.	11. Backfill material (below filter pack): None ☐ 14 Other ☒
G. Filter pack, top _____ ft. MSL or _____ ft.	
H. Screen joint, top _____ ft. MSL or _____ ft.	
I. Well bottom _____ ft. MSL or _____ ft.	
J. Filter pack, bottom _____ ft. MSL or _____ ft.	
K. Borehole, bottom _____ ft. MSL or _____ ft.	
L. Borehole, diameter 8.25 in.	
M. O.D. well casing 2.40 in.	
N. I.D. well casing 2.06 in.	

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

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

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

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

MONITORING WELL CONSTRUCTION
Form 4400-113A Rev. 7-98

Facility/Project Name Shortville Store Local Grid Location of Well ft. N. ft. E. ft. S. ft. W.
Facility License, Permit or Monitoring No. VP 366 Local Grid Origin ☐ (estimated: ☐) or Well Location ☐
Lat. Long. " or
Facility ID St. Plane ft. N. ft. E. S/C/N
Type of Well Well Code 11, MW Section Location of Waste/Source 1/4 of 1/4 of Sec. T. N. R. ☐ W
Distance from Waste/Source ft. Enf. Stds. Apply ☐ Location of Well Relative to Waste/Source n ☐ Upgradient s ☐ Sidegradient d ☐ Downgradient n ☐ Not Known Gov. Lot Number
Well Name MW-4 Wis. Unique Well No. VP 366 DNR Well ID No.
Date Well Installed 8/25/2016
Well Installed By: Name (first, last) and Firm Darrin Prentice Geiss Soil & Samples LLC

A. Protective pipe, top elevation ft. MSL
B. Well casing, top elevation ft. MSL
C. Land surface elevation ft. MSL
D. Surface seal, bottom ft. MSL or 0 ft
12. USCS classification of soil near screen:
GP ☐ GM ☐ GC ☐ GW ☐ SW ☐ SP ☐
SM ☐ SC ☐ ML ☐ MH ☐ CL ☐ CH ☐
Bedrock ☐
13. Sieve analysis performed? ☐ Yes ☒ No
14. Drilling method used: Rotary ☐ 50
Hollow Stem Auger ☒ 41
Other ☐
15. Drilling fluid used: Water ☐ 02 Air ☐ 01
Drilling Mud ☐ 03 None ☒ 99
16. Drilling additives used? ☐ Yes ☒ No
Describe
17. Source of water (attach analysis, if required):
E. Bentonite seal, top ft. MSL or 5 ft
F. Fine sand, top ft. MSL or 2 ft
G. Filter pack, top ft. MSL or 3 ft
H. Screen joint, top ft. MSL or 4 ft
I. Well bottom ft. MSL or 14 ft
J. Filter pack, bottom ft. MSL or 15 ft
K. Borehole, bottom ft. MSL or 15 ft
L. Borehole, diameter 8.25 in.
M. O.D. well casing 2.40 in.
N. I.D. well casing 2.06 in.
1. Cap and lock? ☒ Yes ☐ No
2. Protective cover pipe:
a. Inside diameter: 8 in.
b. Length: 1 ft
c. Material: Steel ☒ 04
Other ☐
d. Additional protection? ☐ Yes ☒ No
If yes, describe:
3. Surface seal: Bentonite ☒ 30
Concrete ☒ 01
Other ☐
4. Material between well casing and protective pipe: Bentonite ☒ 30
Other ☐
5. Annular space seal: a. Granular/Chipped Bentonite ☒ 33
b. Lbs/gal mud weight... Bentonite-sand slurry ☐ 35
c. Lbs/gal mud weight... Bentonite slurry ☐ 31
d. % Bentonite... Bentonite-cement grout ☐ 50
e. Ft³ volume added for any of the above
f. How installed: Tremie ☐ 01
Tremie pumped ☐ 02
Gravity ☒ 08
6. Bentonite seal: a. Bentonite granules ☐ 33
b. ☐ 1/4 in. ☒ 3/8 in. ☐ 1/2 in. Bentonite chips ☒ 32
c. Other ☐
7. Fine sand material: Manufacturer, product name & mesh size
a. #15 Red Flint
b. Volume added ft³
8. Filter pack material: Manufacturer, product name & mesh size
a. #40 Red Flint
b. Volume added ft³
9. Well casing: Flush threaded PVC schedule 40 ☒ 23
Flush threaded PVC schedule 80 ☐ 24
Other ☐
10. Screen material: PVC
a. Screen type: Factory cut ☒ 11
Continuous slot ☐ 01
Other ☐
b. Manufacturer 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 Darrin Prentice Firm Geiss Soil & Samples LLC

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

Facility/Project Name Shorthill Store	Local Grid Location of Well ft. ☐ N. ☐ E. ☐ S. ☐ W.	Well Name MW-5
Facility License, Permit or Monitoring No.	Local Grid Origin ☐ (estimated: ☐) or Well Location ☐ Lat. _____ Long. _____	Wis. Unique Well No. VP367 DNR Well ID No. _____
Facility ID	St. Plane _____ ft. N. _____ ft. E. S/C/N	Date Well Installed 8/25/2016
Type of Well Well Code 11, 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 Darrin Prentice
Distance from Waste/Source _____ ft.	Location of Well Relative to Waste/Source u ☐ Upgradient s ☐ Sidegradient d ☐ Downgradient n ☐ Not Known	Geiss Soil & Samples LLC

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

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

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

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

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

Facility/Project Name Shortville Store		Local Grid Location of Well ft. ☐ N. ☐ S. ☐ E. ☐ W.		Well Name MW-6	
Facility License, Permit or Monitoring No.		Local Grid Origin (estimated: ☐) or Well Location ☐		Wis. Unique Well No. VP368 DNR Well ID No.	
Facility ID		Lat. _____ Long. _____ or _____		Date Well Installed 8/25/2014	
Type of Well Well Code 11, 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 Darrin Prentice Geiss Soil & Samples LLC	
Distance from Waste/Source _____ ft.		Enf. Stds. Apply ☐		Gov. Lot Number	
Location of Well Relative to Waste/Source n ☐ Upgradient s ☐ Sidegradient d ☐ Downgradient n ☐ Not Known					

A. Protective pipe, top elevation _____ ft. MSL	1. Cap and lock? ☒ Yes ☐ No
B. Well casing, top elevation _____ ft. MSL	2. Protective cover pipe: a. Inside diameter: _____ in. b. Length: _____ ft. c. Material: Steel ☒ 04 Other ☐
C. Land surface elevation _____ ft. MSL	d. Additional protection? ☐ Yes ☒ No If yes, describe: _____
D. Surface seal, bottom _____ ft. MSL or _____ ft.	3. Surface seal: Bentonite ☒ 30 Concrete ☒ 01 Other ☐
12. USCS classification of soil near screen: GP ☐ GM ☐ GC ☐ GW ☐ SW ☐ SP ☐ SM ☐ SC ☐ ML ☐ MH ☐ CL ☐ CH ☐ Bedrock ☐	4. Material between well casing and protective pipe: Bentonite ☒ 30 Other ☐
13. Sieve analysis performed? ☐ Yes ☒ No	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
14. Drilling method used: Rotary ☐ 50 Hollow Stem Auger ☒ 41 Other ☐	6. Bentonite seal: a. Bentonite granules ☐ 33 b. ☐ 1/4 in. ☒ 3/8 in. ☐ 1/2 in. Bentonite chips ☒ 32 c. _____ Other ☐
15. Drilling fluid used: Water ☐ 02 Air ☒ 01 Drilling Mud ☐ 03 None ☒ 99	7. Fine sand material: Manufacturer, product name & mesh size a. #15 Red Flint b. Volume added _____ ft ³
16. Drilling additives used? ☐ Yes ☒ No	8. Filter pack material: Manufacturer, product name & mesh size a. #40 Red Flint b. Volume added _____ ft ³
Describe _____	9. Well casing: Flush threaded PVC schedule 40 ☒ 23 Flush threaded PVC schedule 80 ☐ 24 Other ☐
17. Source of water (attach analysis, if required): _____	10. Screen material: PVC a. Screen type: Factory cut ☒ 11 Continuous slot ☐ 01 Other ☐
E. Bentonite seal, top _____ ft. MSL or 5 ft.	b. Manufacturer Johnson c. Slot size: 0.010 in. d. Slotted length: 10 ft.
F. Fine sand, top _____ ft. MSL or 2 ft.	11. Backfill material (below filter pack): None ☐ 14 Other ☒
G. Filter pack, top _____ ft. MSL or 2.5 ft.	
H. Screen joint, top _____ ft. MSL or 3 ft.	
I. Well bottom _____ ft. MSL or 13 ft.	
J. Filter pack, bottom _____ ft. MSL or 14 ft.	
K. Borehole, bottom _____ ft. MSL or 14 ft.	
L. Borehole, diameter 8.25 in.	
M. O.D. well casing 2.40 in.	
N. I.D. well casing 2.06 in.	

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

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

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

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

Facility/Project Name Shortville Store		County Name CLARK		Well Name MW-1	
Facility License, Permit or Monitoring Number		County Code 10		Wis. Unique Well Number VP363	
				DNR Well ID Number	

1. Can this well be purged dry? ☒ Yes ☐ No 2. Well development method <table style="width:100%;"> <tr><td>surged with bailer and bailed</td><td>☐ 41</td></tr> <tr><td>surged with bailer and pumped</td><td>☒ 61</td></tr> <tr><td>surged with block and bailed</td><td>☐ 42</td></tr> <tr><td>surged with block and pumped</td><td>☐ 62</td></tr> <tr><td>surged with block, bailed and pumped</td><td>☐ 70</td></tr> <tr><td>compressed air</td><td>☐ 20</td></tr> <tr><td>bailed only</td><td>☐ 10</td></tr> <tr><td>pumped only</td><td>☐ 51</td></tr> <tr><td>pumped slowly</td><td>☐ 50</td></tr> <tr><td>Other</td><td>☐</td></tr> </table> 3. Time spent developing well <u>30</u> min. 4. Depth of well (from top of well casing) <u>14</u> ft. 5. Inside diameter of well <u>2</u> in. 6. Volume of water in filter pack and well casing <u>11.1</u> gal. 7. Volume of water removed from well <u>25</u> 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)	surged with bailer and bailed	☐ 41	surged with bailer and pumped	☒ 61	surged with block and bailed	☐ 42	surged with block and pumped	☐ 62	surged with block, bailed and pumped	☐ 70	compressed air	☐ 20	bailed only	☐ 10	pumped only	☐ 51	pumped slowly	☐ 50	Other	☐	<table style="width:100%;"> <tr> <th></th> <th style="text-align: center;">Before Development</th> <th style="text-align: center;">After Development</th> </tr> <tr> <td>11. Depth to Water (from top of well casing)</td> <td>a. <u>3.94</u> ft.</td> <td><u>11.46</u> ft.</td> </tr> <tr> <td>Date</td> <td>b. <u>04</u> / <u>26</u> / <u>2016</u> m m d d y y y y</td> <td><u>4</u> / <u>26</u> / <u>2016</u> m m d d y y y y</td> </tr> <tr> <td>Time</td> <td>c. <u>01</u> : <u>05</u> ☐ a.m. ☒ p.m.</td> <td><u>01</u> : <u>35</u> ☒ a.m. ☐ p.m.</td> </tr> <tr> <td>12. Sediment in well bottom</td> <td>_____ inches</td> <td>_____ inches</td> </tr> <tr> <td>13. Water clarity</td> <td>Clear ☐ 10 Turbid ☒ 15 (Describe) <u>Brown</u></td> <td>Clear ☒ 20 Turbid ☐ 25 (Describe) <u>Clear</u></td> </tr> <tr> <td></td> <td><u>High Turbidity</u></td> <td><u>No Turbidity</u></td> </tr> <tr> <td colspan="3">Fill in if drilling fluids were used and well is at solid waste facility:</td> </tr> <tr> <td>14. Total suspended solids</td> <td>_____ mg/l</td> <td>_____ mg/l</td> </tr> <tr> <td>15. COD</td> <td>_____ mg/l</td> <td>_____ mg/l</td> </tr> <tr> <td colspan="3">16. Well developed by: Name (first, last) and Firm</td> </tr> <tr> <td colspan="3">First Name: <u>Dillon</u> Last Name: <u>Plamann</u></td> </tr> <tr> <td colspan="3">Firm: <u>METCO</u></td> </tr> </table>		Before Development	After Development	11. Depth to Water (from top of well casing)	a. <u>3.94</u> ft.	<u>11.46</u> ft.	Date	b. <u>04</u> / <u>26</u> / <u>2016</u> m m d d y y y y	<u>4</u> / <u>26</u> / <u>2016</u> m m d d y y y y	Time	c. <u>01</u> : <u>05</u> ☐ a.m. ☒ p.m.	<u>01</u> : <u>35</u> ☒ a.m. ☐ p.m.	12. Sediment in well bottom	_____ inches	_____ inches	13. Water clarity	Clear ☐ 10 Turbid ☒ 15 (Describe) <u>Brown</u>	Clear ☒ 20 Turbid ☐ 25 (Describe) <u>Clear</u>		<u>High Turbidity</u>	<u>No Turbidity</u>	Fill in if drilling fluids were used and well is at solid waste facility:			14. Total suspended solids	_____ mg/l	_____ mg/l	15. COD	_____ mg/l	_____ mg/l	16. Well developed by: Name (first, last) and Firm			First Name: <u>Dillon</u> Last Name: <u>Plamann</u>			Firm: <u>METCO</u>		
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17. Additional comments on development:

Name and Address of Facility Contact/Owner/Responsible Party First Name: <u>Renee</u> Last Name: <u>Mortenson</u> Facility/Firm: <u>Shortville Store</u> Street: <u>W4109 State Highway 73</u> City/State/Zip: <u>Neilsville WI 54456-</u>	I hereby certify that the above information is true and correct to the best of my knowledge. Signature: <u></u> Print Name: _____ Firm: <u>METCO</u>
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NOTE: See instructions for more information including a list of county codes and well type codes.

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

Facility/Project Name Shortville Store	County Name CLARK	Well Name MW-2
Facility License, Permit or Monitoring Number	County Code 10	Wis. Unique Well Number VP364
		DNR Well ID Number

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

2. Well development method

- surged with bailer and bailed ☐ 4 1
 surged with bailer and pumped ☒ 6 1
 surged with block and bailed ☐ 4 2
 surged with block and pumped ☐ 6 2
 surged with block, bailed and pumped ☐ 7 0
 compressed air ☐ 2 0
 bailed only ☐ 1 0
 pumped only ☐ 5 1
 pumped slowly ☐ 5 0
 Other ☐

3. Time spent developing well 35 min.

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

5. Inside diameter of well 2 in.

6. Volume of water in filter pack and well casing 11 gal.

7. Volume of water removed from well 20 gal.

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

9. Source of water added

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

11. Depth to Water Before Development After Development

(from top of well casing) a. 4.02 ft. 11.61 ft.

Date b. 04 / 26 / 2016 4 / 26 / 2016
m m d d y y y y m m d d y y y y

Time c. 12 : 25 a.m. 01 : 00 a.m.
X p.m. X p.m.

12. Sediment in well bottom inches inches

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

High Turbidity Low Turbidity

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

14. Total suspended solids mg/l mg/l

15. COD mg/l mg/l

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

First Name: Dillon Last Name: Plamann

Firm: METCO

17. Additional comments on development:

Name and Address of Facility Contact /Owner/Responsible Party	
First Name: Renee	Last Name: Mortenson
Facility/Firm: Shortville Store	
Street: W4109 State Highway 73	
City/State/Zip: Neilsville WI	54456-

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

Signature: *Dm J Plm*

Print Name:

Firm: METCO

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

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

Facility/Project Name Shortville Store	County Name CLARK	Well Name MW-3
Facility License, Permit or Monitoring Number	County Code 10	Wis. Unique Well Number VP365
		DNR Well ID Number

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

2. Well development method

- surged with bailer and bailed ☐ 4 1
 surged with bailer and pumped ☒ 6 1
 surged with block and bailed ☐ 4 2
 surged with block and pumped ☐ 6 2
 surged with block, bailed and pumped ☐ 7 0
 compressed air ☐ 2 0
 bailed only ☐ 1 0
 pumped only ☐ 5 1
 pumped slowly ☐ 5 0
 Other ☐

3. Time spent developing well 50 min.

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

5. Inside diameter of well 2 in.

6. Volume of water in filter pack and well casing 12.6 gal.

7. Volume of water removed from well 25 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)

17. Additional comments on development:

11. Depth to Water Before Development After Development

(from top of well casing) a. 2.56 ft. 8.42 ft.

Date b. 04 / 26 / 2016 4 / 26 / 2016
m m d d y y y y m m d d y y y y

Time c. 09 : 55 X a.m. 10 : 45 X a.m.
p.m. p.m.

12. Sediment in well bottom inches inches

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

High Turbidity Low Turbidity

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

14. Total suspended solids mg/l mg/l

15. COD mg/l mg/l

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

First Name: Dillon Last Name: Plamann

Firm: METCO

Name and Address of Facility Contact/Owner/Responsible Party

First Name: Renee Last Name: Mortenson

Facility/Firm: Shortville Store

Street: W4109 State Highway 73

City/State/Zip: Neilsville WI 54456-

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

Signature: *DMJ*

Print Name:

Firm: METCO

Route to: Watershed/Wastewater ☐ Waste Management ☐

Remediation/Redevelopment ☒ Other ☐

Facility/Project Name Shortville Store	County Name CLARK	Well Name MW-4
Facility License, Permit or Monitoring Number	County Code 10	Wis. Unique Well Number VP366
		DNR Well ID Number

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

2. Well development method

- surged with bailer and bailed ☐ 4 1
 surged with bailer and pumped ☒ 6 1
 surged with block and bailed ☐ 4 2
 surged with block and pumped ☐ 6 2
 surged with block, bailed and pumped ☐ 7 0
 compressed air ☐ 2 0
 bailed only ☐ 1 0
 pumped only ☐ 5 1
 pumped slowly ☐ 5 0
 Other ☐

3. Time spent developing well 25 min.

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

5. Inside diameter of well 2 in.

6. Volume of water in filter pack and well casing 10.6 gal.

7. Volume of water removed from well 25 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)

17. Additional comments on development:

	Before Development	After Development
11. Depth to Water (from top of well casing)	a. 4.4 ft.	7.25 ft.
Date	b. 04 / 26 / 2016 m m d d y y y y	4 / 26 / 2016 m m d d y y y y
Time	c. 10 : 50 ☒ a.m. ☐ p.m.	11 : 15 ☒ a.m. ☐ p.m.
12. Sediment in well bottom	inches	inches
13. Water clarity	Clear ☐ 1 0 Turbid ☒ 1 5 (Describe) Brown	Clear ☒ 2 0 Turbid ☐ 2 5 (Describe) Tan
	High Turbidity	Low Turbidity

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

14. Total suspended solids mg/l

15. COD mg/l

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

First Name: Dillon Last Name: Plamann

Firm: METCO

Name and Address of Facility Contact/Owner/Responsible Party

First Name: Renee Last Name: Mortenson

Facility/Firm: Shortville Store

Street: W4109 State Highway 73

City/State/Zip: Neilsville WI 54456-

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

Signature: *DM JPM*

Print Name:

Firm: METCO

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

Facility/Project Name Shortville Store	County Name CLARK	Well Name MW-5
Facility License, Permit or Monitoring Number	County Code 10	Wis. Unique Well Number VP367
		DNR Well ID Number

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

2. Well development method

- surged with bailer and bailed ☐ 4 1
 surged with bailer and pumped ☒ 6 1
 surged with block and bailed ☐ 4 2
 surged with block and pumped ☐ 6 2
 surged with block, bailed and pumped ☐ 7 0
 compressed air ☐ 2 0
 bailed only ☐ 1 0
 pumped only ☐ 5 1
 pumped slowly ☐ 5 0
 Other ☐

3. Time spent developing well 25 min.

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

5. Inside diameter of well 2 in.

6. Volume of water in filter pack and well casing 10.6 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)

17. Additional comments on development:

Before Development After Development

11. Depth to Water
(from top of well casing) a. 4.46 ft. 13.22 ft.

Date b. 04 / 26 / 2016 4 / 26 / 2016
m m d d y y y y m m d d y y y y

Time c. 11 : 50 X a.m. 12 : 15 X p.m.
□ p.m. □ a.m.

12. Sediment in well bottom inches inches

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

High Turbidity Low Turbidity

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

14. Total suspended solids mg/l mg/l

15. COD mg/l mg/l

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

First Name: Dillon Last Name: Plamann

Firm: METCO

Name and Address of Facility Contact /Owner/Responsible Party

First Name: Renee Last Name: Mortenson

Facility/Firm: Shortville Store

Street: W4109 State Highway 73

City/State/Zip: Neilsville WI 54456-

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

Signature: *Om J Ph*

Print Name:

Firm: METCO

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

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

Facility/Project Name Shortville Store	County Name CLARK	Well Name MW-6
Facility License, Permit or Monitoring Number	County Code 10	Wis. Unique Well Number VP368
		DNR Well ID Number

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

2. Well development method

- ☐ 41 surged with bailer and bailed
☒ 61 surged with bailer and pumped
☐ 42 surged with block and bailed
☐ 62 surged with block and pumped
☐ 70 surged with block, bailed and pumped
☐ 20 compressed air
☐ 10 bailed only
☐ 51 pumped only
☐ 50 pumped slowly
☐ Other

3. Time spent developing well 25 min.

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

5. Inside diameter of well 2 in.

6. Volume of water in filter pack and well casing 10.5 gal.

7. Volume of water removed from well 25 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)

17. Additional comments on development:

	Before Development	After Development
11. Depth to Water (from top of well casing)	a. 3.42 ft.	10.39 ft.
Date	b. 04 / 26 / 2016 m m d d y y y y	4 / 26 / 2016 m m d d y y y y
Time	c. 11 : 20 X a.m. p.m.	11 : 45 X a.m. p.m.
12. Sediment in well bottom	inches	inches
13. Water clarity	Clear ☐ 10 Turbid ☒ 15 (Describe) Brown	Clear ☒ 20 Turbid ☐ 25 (Describe) Tan
	High Turbidity	Low Turbidity

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

14. Total suspended solids mg/l

15. COD mg/l

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

First Name: Dillon Last Name: Plamann

Firm: METCO

Name and Address of Facility Contact/Owner/Responsible Party

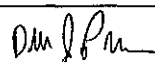
First Name: Renee Last Name: Mortenson

Facility/Firm: Shortville Store

Street: W4109 State Highway 73

City/State/Zip: Neilsville WI 54456-

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

Signature: 

Print Name:

Firm: METCO

Route To:

Watershed / Wastewater:
Remediation / Redevelopment: ☒

Waste Management:
Other:

Page 1 of 1

Facility / Project Name Shortville Store		License / Permit / Monitoring Number		Boring Number G-1A
Boring Drilled By: Name of crew chief (first, last) and Firm First: Darin Last: Prentice Firm: Geiss Soil Samples LLC		Drilling Date Started 03/03/2014 MM/DD/YYYY	Drilling Date Completed 03/03/2014 MM/DD/YYYY	Drilling Method Geoprobe
WI Unique Well No.	DNR Well ID No.	Well Name	Final Static Water Level 995 Feet MSL	Surface Elevation 1005 Feet MSL Borehole Diameter 2 inches
Local Grid Origin (estimated X) or Boring Location State Plane N E NE ¼ of NE ¼ of Section 8, T 23 N, R 1 W			Local Grid Location Lat 44° 29' 41" N E Long 90° 31' 1" Feet S Feet W	
Facility ID 610022650		County Clark	County Code 10	Civil Town / City / Village Washburn (Shortville)

Sample				Soil Properties									
Number & Type	Length Att. & Recovered (in)	Blow Counts	Depth in Feet (below ground surface)	Soil / Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID / FID	Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200
G-1A (0-1.5 Feet)	48 36			Brown sand and gravel	Fill			1.1		Moist			
			2	EOB @ 1.5 Feet. Geoprobe refusal due to heavy frost. Borehole abandoned.									
			4										
			6										
			8										
			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**

Route To:

Watershed / Wastewater:

Waste Management:

Remediation / Redevelopment

Other:

Page 1 of 1

Facility / Project Name		License / Permit / Monitoring Number		Boring Number
Shortville Store				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		03/03/2014	03/03/2014	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
			995 Feet MSL	1005 Feet MSL
Local Grid Origin (estimated X) or Boring Location		Borehole Diameter		
State Plane N, E		2 inches		
NE ¼ of NE ¼ of Section 8, T 23 N, R 1 W		Local Grid Location		
Lat 44° 29' 41"		N E		
Long 90° 31' 1"		Feet S Feet W		
Facility ID		County	County Code	Civil Town / City / Village
610022650		Clark	10	Washburn (Shortville)

Sample				Soil Properties										P 200	RQD / Comments
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			
G-1-1 (0-4 Feet)	48 48		2	Brown to gray fine to medium grained sand w/ gravel	SP			408		Moist					Petro Odor
			4	EOB @ 4 Feet. Geoprobe refusal due to heavy frost. Borehole abandoned.											
			6												
			8												
			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

Route To:

Watershed / Wastewater:
Remediation / Redevelopment: **X**

Waste Management:
Other:

Page 1 of 1

Facility / Project Name		License / Permit / Monitoring Number		Boring Number
Shortville Store				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		03/03/2014	03/03/2014	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
			995 Feet MSL	1005 Feet MSL
			Borehole Diameter	
			2 inches	
Local Grid Origin (estimated X) or Boring Location			Local Grid Location	
State Plane N E			Lat 44° 29' 41" N E	
NE ¼ of NE ¼ of Section 8, T 23 N, R 1 W			Long 90° 31' 1" Feet S Feet W	
Facility ID	County	County Code	Civil Town / City / Village	
610022650	Clark	10	Washburn (Shortville)	

Sample				Soil Properties											
Number & Type	Length Att. & Recovered (in)	Blow Counts	Depth in Feet (below ground surface)	Soil / Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID / FID	Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD / Comments	
G-2-1 (0-4 Feet)	48 48		2	Brown sand and gravel (0-2')	Fill			27.1		Moist				Slight Petro Odor	
			4	Gray sandy clay (2-7.5')	CL										
G-2-2 (4-8 Feet)	48 48		6					684		Moist /Wet				Petro Odor	
			8	White very fine to fine grained sand (7.5-8')	SP										
G-2-3 (8-10 Feet)	24 24		8	Gray clay (8-10')	CL			32.3		Wet				Petro Odor	
			10	EOB @ 10 Feet. Groundwater Sample G-2-W collected at 5-10 feet. 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**

Route To:

Watershed / Wastewater:
Remediation / Redevelopment: ☒

Waste Management:

Other:

Page 1 of 1

Facility / Project Name Shortville Store		License / Permit / Monitoring Number		Boring Number G-3	
Boring Drilled By: Name of crew chief (first, last) and Firm First: Darrin Last: Prentice Firm: Geiss Soil Samples LLC		Drilling Date Started 03/03/2014 MM/DD/YYYY		Drilling Date Completed 03/03/2014 MM/DD/YYYY	
Drilling Method Geoprobe		Final Static Water Level 995 Feet MSL		Surface Elevation 1005 Feet MSL	
Borehole Diameter 2 inches		WI Unique Well No. DNR Well ID No.		Well Name	
Local Grid Origin (estimated X) or Boring Location State Plane N, E NE ¼ of NE ¼ of Section 8, T 23 N, R 1 W		Lat 44° 29' 41" Long 90° 31' 1"		Local Grid Location N E Feet S Feet W	
Facility ID 610022650		County Clark		County Code 10	
Civil Town / City / Village Washburn (Shortville)					

Sample				Soil Properties										P 200	RQD / Comments
Number & Type	Length Att. & Recovered (in)	Blow Counts	Depth in Feet (below ground surface)	Soil / Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID / FID	Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index			
G-3-1 (0-4 Feet)	48 48		2	Brown sand and gravel (0-4')	Fill			2.1		Moist					No Petro Odor
G-3-2 (4-8 Feet)	48 48		6	Gray sandy clay (4-7.5')	CL			0.8		Moist / Wet					No Petro Odor
G-3-3 (8-10 Feet)	24 24		8	White very fine to medium grained sand (7.5-9')	SP			4.7		Wet					No Petro Odor
			10	Gray clay (9-10')	CL										
			10	EOB @ 10 Feet. Groundwater Sample G-3-W collected at 5-10 feet. 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

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

Page 1 of 1

Facility / Project Name		License / Permit / Monitoring Number		Boring Number
Shortville Store				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		03/03/2014	03/03/2014	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
			995 Feet MSL	1005 Feet MSL
Local Grid Origin (estimated X) or Boring Location			Local Grid Location	
State Plane N, E			Lat 44° 29' 41"	
NE ¼ of NE ¼ of Section 8, T 23 N, R 1 W			Long 90° 31' 1"	
Facility ID		County	County Code	Civil Town / City / Village
610022650		Clark	10	Washburn (Shortville)

Sample				Soil Properties										P 200	RQD / Comments
Number & Type	Length Att. & Recovered (in)	Blow Counts	Depth in Feet (below ground surface)	Soil / Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID / FID	Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index			
G-4-1 (0-4 Feet)	48 48		2	Orange very fine to fine grained sand (0-4')	SP			0.7		Moist					No Petro Odor
G-4-2 (4-8 Feet)	48 48		6	Gray sandy clay (4-7.5')	CL			0.7		Moist / Wet					No Petro Odor
G-4-3 (8-10 Feet)	24 24		8	Gray fine to coarse grained sand (7.5-10')	SP			6.2		Wet					No Petro Odor
			10	EOB @ 10 Feet. Groundwater Sample G-4-W collected at 5-10 feet. 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

Route To:

Watershed / Wastewater:
Remediation / Redevelopment: **X**

Waste Management:
Other:

Page 1 of 1

Facility / Project Name		License / Permit / Monitoring Number		Boring Number
Shortville Store				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		03/03/2014	03/03/2014	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
			995 Feet MSL	1005 Feet MSL
			Borehole Diameter	
			2 inches	
Local Grid Origin (estimated X) or Boring Location			Local Grid Location	
State Plane N, E			Lat 44° 29' 41" N E	
NE ¼ of NE ¼ of Section 8, T 23 N, R 1 W			Long 90° 31' 1" Feet S Feet W	
Facility ID		County	County Code	Civil Town / City / Village
610022650		Clark	10	Washburn (Shortville)

Sample				Soil Properties											
Number & Type	Length Att. & Recovered (in)	Blow Counts	Depth in Feet (below ground surface)	Soil / Rock Description And Geologic Origin For Each Major Unit	U S C S	Graphic Log	Well Diagram	PID / FID	Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD / Comments	
G-5-1 (0-4 Feet)	48 42		2	Brown sand and gravel (0-4')	Fill			3.1		Moist				No Petro Odor	
G-5-2 (4-8 Feet)	48 48		4												
		6	Gray sandy clay (4-7.5')	CL			4.2		Moist /Wet			No Petro Odor			
		8	Gray very fine to fine grained sand (7.5-8')	SP											
			10	EOB @ 8 Feet. Groundwater Sample G-5-W collected at 3-8 feet. 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

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

Page 1 of 1

Facility / Project Name		License / Permit / Monitoring Number		Boring Number
Shortville Store				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		03/03/2014	03/03/2014	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
			995 Feet MSL	1005 Feet MSL
Local Grid Origin (estimated X) or Boring Location			Borehole Diameter	
State Plane N, E			2 inches	
NE ¼ of NE ¼ of Section 8, T 23 N, R 1 W			Local Grid Location	
Lat 44° 29' 41"			N E	
Long 90° 31' 1"			Feet S Feet W	
Facility ID		County	County Code	Civil Town / City / Village
610022650		Clark	10	Washburn (Shortville)

Sample				Soil Properties										P 200	RQD / Comments
Number & Type	Length Att. & Recovered (in)	Blow Counts	Depth in Feet (below ground surface)	Soil / Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID / FID	Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index			
G-6-1 (0-4 Feet)	48 36		2	Brown sand and gravel (0-4')	Fill			3.0		Moist				No Petro Odor	
			4												
G-6-2 (4-8 Feet)	48 36		6	Gray sandy clay (4-8')	CL			2.1		Moist				No Petro Odor	
			8												
G-6-3 (8-12 Feet)	48 24		10	Brown fine to coarse grained sand (8-10')	SP			2.9		Wet				No Petro Odor	
			12	Gray clay (10-12')	CL										
			12	EOB @ 12 Feet. Groundwater Sample G-6-W collected at 7-12 feet. 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

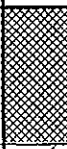
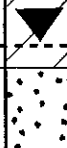
Route To:

Watershed / Wastewater:
Remediation / Redevelopment: ☒

Waste Management:
Other:

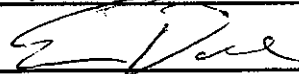
Page 1 of 1

Facility / Project Name		License / Permit / Monitoring Number		Boring Number
Shortville Store				G-7
Boring Drilled By: Name of crew chief (first, last) and Firm		Drilling Date Started	Drilling Date Completed	Drilling Method
First: Darin Last: Prentice		03/03/2014	03/03/2014	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
			995 Feet MSL	1005 Feet MSL
Local Grid Origin (estimated X) or Boring Location			Local Grid Location	
State Plane N, E			Lat 44° 29' 41" N E	
NE ¼ of NE ¼ of Section 8, T 23 N, R 1 W			Long 90° 31' 1" Feet S Feet W	
Facility ID		County	County Code	Civil Town / City / Village
610022650		Clark	10	Washburn (Shortville)

Sample				Soil Properties										P 200	RQD / Comments
Number & Type	Length Att. & Recovered (in)	Blow Counts	Depth in Feet (below ground surface)	Soil / Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID / FID	Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index			
G-7-1 (0-4 Feet)	48 42		2	Brown sand and gravel (0-3')	Fill			3.2		Moist				No Petro Odor	
			4												
G-7-2 (4-8 Feet)	48 48		6	Gray sandy clay (3-8')	CL			1.5		Moist				No Petro Odor	
			8												
G-7-3 (8-10 Feet)	24 24		8	Tan to gray fine to coarse grained sand (8-10')	SP			2.3		Wet				No Petro Odor	
			10												
			10	EOB @ 10 Feet. Groundwater Sample G-7-W collected at 5-10 feet. 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

Route To:

Watershed / Wastewater:
Remediation / Redevelopment: ☒

Waste Management:
Other:

Page 1 of 1

Facility / Project Name		License / Permit / Monitoring Number		Boring Number
Shortville Store				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		03/03/2014	03/03/2014	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
			995 Feet MSL	1005 Feet MSL
Local Grid Origin (estimated X) or Boring Location			Borehole Diameter	
State Plane N, E			2 inches	
NE ¼ of NE ¼ of Section 8, T 23 N, R 1 W			Local Grid Location	
Lat 44° 29' 41"			N E	
Long 90° 31' 1"			Feet S Feet W	
Facility ID		County	County Code	Civil Town / City / Village
610022650		Clark	10	Washburn (Shortville)

Sample				Soil Properties										P 200	RQD / Comments
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			
G-8-1 (0-4 Feet)	48		2	Tan sand and gravel (0-3')	Fill			3.5		Moist				No Petro Odor	
	42		4												
G-8-2 (4-8 Feet)	48		6	Gray to brown sandy clay (3-8')	CL			4.2		Moist				No Petro Odor	
	48		8												
G-8-3 (8-10 Feet)	24		8	Tan fine to coarse grained sand (8-10')	SP			4.2		Wet				No Petro Odor	
	24		10	EOB @ 10 Feet. Groundwater Sample G-8-W collected at 5-10 feet. 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

Route To:

Watershed / Wastewater:
Remediation / Redevelopment: **X**

Waste Management:
Other:

Page 1 of 1

Facility / Project Name		License / Permit / Monitoring Number		Boring Number
Shortville Store				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		03/03/2014	03/03/2014	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
			995 Feet MSL	1005 Feet MSL
			Borehole Diameter	
			2 inches	
Local Grid Origin (estimated X) or Boring Location			Local Grid Location	
State Plane N, E			Lat 44° 29' 41"	
NE ¼ of NE ¼ of Section 8, T 23 N, R 1 W			Long 90° 31' 1"	
Facility ID		County	County Code	Civil Town / City / Village
610022650		Clark	10	Washburn (Shortville)

Sample				Soil Properties										P 200	RQD / Comments
Number & Type	Length Att. & Recovered (in)	Blow Counts	Depth in Feet (below ground surface)	Soil / Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID / FID	Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index			
G-9-1 (0-4 Feet)	48 36		2	Tan sand and gravel (0-3')	Fill			5.2		Moist					No Petro Odor
G-9-2 (4-8 Feet)	48 36		4	Gray sandy clay (3-9')	CL			3.4		Moist					No Petro Odor
G-9-3 (8-12 Feet)	48 48		8	Tan to gray fine to coarse grained sand (9-10')	SP			5.9		Moist / Wet					No Petro Odor
			10	Gray clay (10-12')	CL										
			12	EOB @ 12 Feet. Groundwater Sample G-9-W collected at 7-12 feet. 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

Route To:

Watershed / Wastewater:
Remediation / Redevelopment: ☒

Waste Management:
Other:

Page 1 of 1

Facility / Project Name		License / Permit / Monitoring Number		Boring Number	
Shortville Store				G-10	
Boring Drilled By: Name of crew chief (first, last) and Firm		Drilling Date Started		Drilling Date Completed	
First: Darrin Last: Prentice		03/03/2014		03/03/2014	
Firm: Geiss Soil Samples LLC		MM/DD/YYYY		MM/DD/YYYY	
WI Unique Well No.		DNR Well ID No.		Well Name	
				995 Feet MSL	
				Surface Elevation	
				1005 Feet MSL	
				Borehole Diameter	
				2 inches	
Local Grid Origin (estimated X) or Boring Location		Local Grid Location			
State Plane N, E		Lat 44° 29' 41"		N E	
NE ¼ of NE ¼ of Section 8, T 23 N, R 1 W		Long 90° 31' 1"		Feet S Feet W	
Facility ID		County		County Code	
610022650		Clark		10	
		Civil Town / City / Village		Washburn (Shortville)	

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 36		2	Brown sand and gravel (0-3')	Fill			37.4		Moist				Petro Odor							
			4																		
G-10-2 (4-8 Feet)	48 36		6	Gray sandy clay (3-7')	CL										932		Moist				Petro Odor
			8	Gray fine to medium grained sand (7-8')	SP																
G-10-3 (8-12 Feet)	48 48		10																		
			12	Gray sandy clay (8-12')	CL																
			12	EOB @ 12 Feet. Groundwater Sample G-10-W collected at 7-12 feet. 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

Route To:

Watershed / Wastewater:

Waste Management:

Remediation / Redevelopment: ☒

Other:

Page 1 of 1

Facility / Project Name		License / Permit / Monitoring Number		Boring Number
Shortville Store				MW-1
Boring Drilled By: Name of crew chief (first, last) and Firm		Drilling Date Started	Drilling Date Completed	Drilling Method
First: Darrin Last: Prentice		04/25/2016	04/25/2016	Geoprobe/HSA
Firm: Geiss Soil and Samples		MM/DD/YYYY	MM/DD/YYYY	
WI Unique Well No.	DNR Well ID No.	Well Name	Final Static Water Level	Surface Elevation
VP363		MW-1	995 ft msl	1005 ft msl
Local Grid Origin (estimated X) or Boring Location		Borehole Diameter		
State Plane N, E		8"		
NE ¼ of NE ¼ of Section 8, T 23 N, R 1 W		Lat 44° 29' 41"	Local Grid Location N E	
		Long 90° 31' 1"	Feet S Feet W	
Facility ID	County	County Code	Civil Town / City / Village	
610022650	Clark	10	Town of Washburn (Shortville)	

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 0-4 ft	48 18		2	Brown sand and gravel	SP			1.8		M				Petro Odor	
			4												
MW-1-2 4-8 ft	48 12		6	Brown sand and gravel (4-6 feet)	SP			1900		M/W				Petro Odor	
			8	Gray sandy silt/clay (6-8 feet)	ML/CL										
MW-1-3 8-12 ft	48 36		10	Gray sandy silt/clay with gravel (8-11 feet)	ML/CL			6.3		M				Petro Odor	
			12	Gray fine to very coarse grained sand and gravel (11-12 feet)	SP										
MW-1-4 12-15 ft	36 36		14	Gray sandy silt/clay with gravel (12-14 feet)	ML/CL			2.0		M				No Petro Odor	
			16	Brown sandy silt/clay 14-15 feet)	ML/CL										
			18												
			20												
			22												
			24												
				EOB @ 15 Feet. Installed monitoring well MW-1 to 14 feet.											

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

Signature:

Firm: METCO

Route To:

Watershed / Wastewater:
Remediation / Redevelopment ☒

Waste Management:

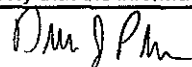
Other:

Page 1 of 1

Facility / Project Name		License / Permit / Monitoring Number		Boring Number	
Shortville Store				MW-2	
Boring Drilled By: Name of crew chief (first, last) and Firm		Drilling Date Started		Drilling Date Completed	
First: Darrin Last: Prentice		04/25/2016		04/25/2016	
Firm: Geiss Soil and Samples		MM/DD/YYYY		MM/DD/YYYY	
WI Unique Well No. DNR Well ID No.		Well Name		Final Static Water Level	
VP364		MW-2		995 ft msl	
				Surface Elevation	
				1005 ft msl	
				Borehole Diameter	
				8"	
Local Grid Origin (estimated X) or Boring Location				Local Grid Location	
State Plane N, E				Lat 44° 29' 41"	
NE ¼ of NE ¼ of Section 8, T 23 N, R 1 W				Long 90° 31' 1"	
Facility ID		County		County Code	
610022650		Clark		10	
				Civil Town / City / Village	
				Town of Washburn (Shortville)	

Sample				Soil Properties										P 200	RQD / Comments
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			
MW-2-1 0-4 ft	48 6		2	Brown sand and gravel	SP			1.2		M					No Petro Odor
			4												
MW-2-2 4-8 ft	48 24		6	Tan fine to coarse grained sand	SP			9.5		MW					Petro Odor and staining
			8												
MW-2-3 8-12 ft	48 48		10	Gray sandy silt/clay with gravel	ML/CL			1.7		M					No Petro Odor
			12												
MW-2-4 12-15 ft	36 36		14	Gray sandy silt/clay with gravel	ML/CL			1.6		M					No Petro Odor
			16	EOB @ 15 Feet. Installed monitoring well MW-2 to 14 feet.											
			18												
			20												
			22												
			24												

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

Signature: 

Firm: METCO

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

Page 1 of 1

Facility / Project Name Shortville Store		License / Permit / Monitoring Number		Boring Number MW-3
Boring Drilled By: Name of crew chief (first, last) and Firm First: Darrin Last: Prentice Firm: Geiss Soil and Samples		Drilling Date Started 04/25/2016 MM/ DD/ YYYY	Drilling Date Completed 04/25/2016 MM/ DD/ YYYY	Drilling Method Geoprobe/HSA
WI Unique Well No. VP365	DNR Well ID No. MW-3	Well Name MW-3	Final Static Water Level 995 ft msl	Surface Elevation 1005 ft msl Borehole Diameter 8"
Local Grid Origin (estimated X) or Boring Location State Plane N E NE ¼ of NE ¼ of Section 8, T 23 N, R 1 W			Local Grid Location Lat 44° 29' 41" N E Long 90° 31' 1" Feet S Feet W	
Facility ID 610022650	County Clark	County Code 10	Civil Town / City / Village Town of Washburn (Shortville)	

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-3-1 0-4 ft	48 6		2	Brown sand and gravel (0-3 feet)	SP			1.4		M				No Petro Odor	
			4	Gray sandy silt/clay (3-4 feet)	ML/CL										
MW-3-2 4-8 ft	48 12		6	Gray sandy silt/clay (4-6 feet)	ML/CL			1.4		M/W				No Petro Odor	
			8	Tan fine to coarse grained sand (6-8 feet)	SP										
MW-3-3 8-12 ft	48 24		10	Tan to gray sand silt/clay with gravel	ML/CL			1.3		M				No Petro Odor	
			12												
MW-3-4 12-15 ft	36 36		14	Tan sandy silt/clay with gravel	ML/CL			1.4		M				No Petro Odor	
			16	EOB @ 15 Feet. Installed monitoring well MW-3 to 14 feet.											
			18												
			20												
			22												
			24												

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

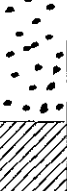
Signature: 

Firm: **METCO**

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

Page 1 of 1

Facility / Project Name		License / Permit / Monitoring Number		Boring Number	
Shortville Store				MW-4	
Boring Drilled By: Name of crew chief (first, last) and Firm		Drilling Date Started		Drilling Date Completed	
First: Darrin Last: Prentice		04/25/2016		04/25/2016	
Firm: Geiss Soil and Samples		MM/DD/YYYY		MM/DD/YYYY	
Drilling Method		Geoprobe/HSA			
WI Unique Well No. DNR Well ID No.		Well Name		Final Static Water Level	
VP366		MW-4		995 ft msl	
				Surface Elevation	
				1005 ft msl	
				Borehole Diameter	
				8"	
Local Grid Origin (estimated X) or Boring Location				Local Grid Location	
State Plane N, E				Lat 44° 29' 41" N E	
NE ¼ of NE ¼ of Section 8, T 23 N, R 1 W				Long 90° 31' 1" Feet S Feet W	
Facility ID		County		County Code	
610022650		Clark		10	
				Civil Town / City / Village	
				Town of Washburn (Shortville)	

Sample				Soil Properties										P 200	RQD / Comments
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			
MW-4-1 0-4 ft	48 6		2	Brown sand and gravel	SP			1.6		Dry					No Petro Odor
MW-4-2 4-8 ft	48 24		6	Tan fine to coarse grained sand	SP			1.2		M/W					No Petro Odor
MW-4-3 8-12 ft	48 48		10	Gray fine to coarse grained sand	SP			1.2		M					No Petro Odor
MW-4-4 12-15 ft	36 24		14	Brown sandy silt/clay	ML/CL			1.2		M					No Petro Odor
			16	EOB @ 15 Feet. Installed monitoring well MW-4 to 14 feet.											
			18												
			20												
			22												
			24												

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

Signature: *DM JPM*

Firm: METCO

Route To:

Watershed / Wastewater:

Waste Management:

Remediation / Redevelopment: ☒

Other:

Page 1 of 1

Facility / Project Name		License / Permit / Monitoring Number		Boring Number	
Shortville Store				MW-5	
Boring Drilled By: Name of crew chief (first, last) and Firm		Drilling Date Started		Drilling Date Completed	
First: Darrin Last: Prentice		04/25/2016		04/25/2016	
Firm: Geiss Soil and Samples		MM/DD/YYYY		MM/DD/YYYY	
WI Unique Well No. DNR Well ID No.		Well Name		Final Static Water Level	
VP367		MW-5		995 ft msl	
				Surface Elevation	
				1005 ft msl	
				Borehole Diameter	
				8"	
Local Grid Origin (estimated X) or Boring Location				Local Grid Location	
State Plane N, E				Lat 44° 29' 41" N E	
NE ¼ of NE ¼ of Section 8, T 23 N, R 1 W				Long 90° 31' 1" Feet S Feet W	
Facility ID		County		County Code	
610022650		Clark		10	
				Civil Town / City / Village	
				Town of Washburn (Shortville)	

Sample				Soil Properties										P 200	RQD / Comments
Number & Type	Length Alt. & Recovered (in)	Blow Counts	Depth in Feet (below ground surface)	Soil / Rock Description And Geologic Origin For Each Major Unit	U S C S	Graphic Log	Well Diagram	PID / FID	Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index			
MW-5-1 0-4 ft	48 6		2	Brown sand and gravel	SP			1.6		M					No Petro Odor
MW-5-2 4-8 ft	48 24		6	Gray fine to coarse grained sand	SP			1.2		M/W					No Petro Odor
MW-5-3 8-12 ft	48 36		10	Tan silt/clay (8-10 feet)	ML/CL			1.2		M					No Petro Odor
			12	Gray sandy silt/clay with gravel (10-12 feet)	ML/CL										
MW-5-4 12-15 ft	36 36		14	Gray/Brown sandy silt/clay	ML/CL			1.2		M					No Petro Odor
			16	EOB @ 15 Feet. Installed monitoring well MW-5 to 14 feet.											
			18												
			20												
			22												
			24												

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

Signature: *Dm J Ph*

Firm: METCO

Route To:

Watershed / Wastewater:
Remediation / Redevelopment: ☒

Waste Management:
Other:

Page 1 of 1

Facility / Project Name		License / Permit / Monitoring Number		Boring Number
Shortville Store				MW-6
Boring Drilled By: Name of crew chief (first, last) and Firm		Drilling Date Started	Drilling Date Completed	Drilling Method
First: Darrin Last: Prentice		04/25/2016	04/25/2016	Geoprobe/HSA
Firm: Geiss Soil and Samples		MM/DD/YYYY	MM/DD/YYYY	
WI Unique Well No.	DNR Well ID No.	Well Name	Final Static Water Level	Surface Elevation
VP368		MW-6	995 ft msl	1005 ft msl
Local Grid Origin (estimated X) or Boring Location			Local Grid Location	
State Plane N, E			Lat 44° 29' 41" N E	
NE ¼ of NE ¼ of Section 8, T 23 N, R 1 W			Long 90° 31' 1" Feet S Feet W	
Facility ID	County	County Code	Civil Town / City / Village	
610022650	Clark	10	Town of Washburn (Shortville)	

Sample				Soil Properties										P 200	RQD / Comments
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			
MW-6-1 0-4 ft	48 18		2	Brown sand and gravel (0-3 feet)	SP			1.4		M					No Petro Odor
			4	Tan fine to medium grained sand (3-4 feet)	SP										
MW-6-2 4-8 ft	48 24		6	Tan sandy silt/clay (4-6 feet)	ML/CL			1.5		M/W					No Petro Odor
			8	Tan fine to coarse grained sand (6-8 feet)	SP										
MW-6-3 8-12 ft	48 48		10	Tan fine to coarse grained sand	SP			1.7		W					No Petro Odor
			12	Tan sandy silt/clay (12-13 feet)	ML/CL										
MW-6-4 12-15 ft	36 24		14	Green partially lithified, weathered bedrock/rock/boulder (13-15 feet)				1.8		W					No Petro Odor
			16	EOB @ 15 Feet. Installed monitoring well MW-6 to 13 feet.											
			18												
			20												
			22												
			24												

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

Signature:

Firm: **METCO**

Route To:

Watershed / Wastewater:
Remediation / Redevelopment: ☒

Waste Management:
Other:

Page 1 of 1

Facility / Project Name		License / Permit / Monitoring Number		Boring Number
Shortville Store				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		11/22/2017	11/22/2017	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
				1005 ft msl
Local Grid Origin (estimated X) or Boring Location			Borehole Diameter	
			2 inches	
State Plane N, E		Lat 44° 29' 41"	Local Grid Location	
NE ¼ of NE ¼ of Section 8, T 23 N, R 1 W		Long 90° 31' 1"	N E	
Facility ID		County	County Code	Civil Town / City / Village
610022650		Clark	10	Town of Washburn (Shortville)

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 (0-2 feet)	24 24		0-2	0-2' Brown and gray silt/clay	ML/CL									No petro odor/staining
G-11-2 (2-4 feet)	24 24		2-4	2-4' Brown, gray, and green silt/clay	ML/CL									No petro odor/staining
			EOB at 4 feet bgs. Borehole abandoned.											

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

Signature:

[Handwritten Signature]

Firm: METCO

Route To:

Watershed / Wastewater:
Remediation / Redevelopment: ☒

Waste Management:
Other:

Page 1 of 1

Facility / Project Name		License / Permit / Monitoring Number		Boring Number
Shortville Store				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		11/22/2017	11/22/2017	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
				1005 ft msl
Local Grid Origin (estimated X) or Boring Location		Local Grid Location		
State Plane N, E		Lat 44° 29' 41"		
NE ¼ of NE ¼ of Section 8, T 23 N, R 1 W		Long 90° 31' 1"		
Facility ID		County	County Code	Civil Town / City / Village
610022650		Clark	10	Town of Washburn (Shortville)

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-12-1 (0-2 feet)	24 24		2	0-2' Brown and gray silt/clay	ML/CL									No petro odor/staining
G-12-2 (2-4 feet)	24 24		4	2-4' Brown, gray, and green silt/clay	ML/CL									No petro odor/staining
				EOB at 4 feet bgs. Borehole abandoned.										
			6											
			8											
			10											
			12											
			14											
			16											
			18											

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

Signature:

Firm: METCO

Route To:

Watershed / Wastewater:
Remediation / Redevelopment: ☒

Waste Management:
Other: _____

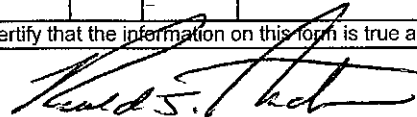
Page 1 of 1

Facility / Project Name Shortville Store				License / Permit / Monitoring Number				Boring Number G-13			
Boring Drilled By: Name of crew chief (first, last) and Firm First: Darrin Last: Prentice Firm: Geiss Soil & Samples, LLC				Drilling Date Started 11/22/2017 MM/DD/YYYY		Drilling Date Completed 11/22/2017 MM/DD/YYYY		Drilling Method Geoprobe			
WI Unique Well No.		DNR Well ID No.		Well Name		Final Static Water Level		Surface Elevation 1005 ft msl		Borehole Diameter 2 inches	
Local Grid Origin (estimated X) or Boring Location State Plane N, E NE ¼ of NE ¼ of Section 8, T 23 N, R 1 W								Local Grid Location Lat 44° 29' 41" N Long 90° 31' 1" E Feet S Feet W			
Facility ID 610022650				County Clark		County Code 10		Civil Town / City / Village Town of Washburn (Shortville)			

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 (0-2 feet)	24 24		0-2	0-2' Brown and gray silt/clay	ML/CL									No petro odor/staining
G-13-2 (2-4 feet)	24 24		2-4	2-4' Brown, gray, and green silt/clay	ML/CL									No petro odor/staining
			4	EOB at 4 feet bgs. Borehole abandoned.										
			6											
			8											
			10											
			12											
			14											
			16											
			18											

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

Signature:



Firm: **METCO**

Notice: Please complete Form 3300-5 and return it to the appropriate DNR office and bureau. Completion of this report 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 this form 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 this form is not intended to be used for any other purpose. NOTE: See the instructions for more information.

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

(1) GENERAL INFORMATION			(2) FACILITY/ OWNER INFORMATION	
WI Unique Well No.	DNR Well ID No.	County CLARK	Facility Name Shortville Store	
Common Well Name <u>G-1A</u> Gov't Lot (If applicable)			Facility ID 610022650	License/Permit/Monitoring No.
NE 1/4 of NE 1/4 of Sec. <u>8</u> ; T. <u>23</u> N; R. <u>1</u> ☐ E ☒ W Grid Location			Street Address of Well STH 73 and Miller Ave	
_____ ft. ☐ N. ☐ S., _____ ft. ☐ E. ☐ W.			City, Village, or Town Washburn (Shortville)	
Local Grid Origin ☐ (estimated: ☐) or Well Location ☐			Present Well Owner Tom Mortenson	
Lat. <u>44</u> ° <u>29</u> ' <u>41</u> " Long <u>90</u> ° <u>31</u> ' <u>1</u> " or			Original Owner	
St. Plane _____ ft. N. _____ ft. E. ☐ ☐ ☐ Zone			Street Address or Route of Owner W4109 STH 73	
Reason For Abandonment Sampling Complete			City, State, Zip Code Neillsville WI 54456-	
WI Unique Well No. of Replacement Well _____				

(3) WELL/DRILLHOLE/BOREHOLE INFORMATION		(4) PUMP, LINER, SCREEN, CASING, & SEALING MATERIAL	
Original Construction Date <u>3/3/2014</u>		Pump & Piping Removed? ☐ Yes ☐ No ☒ Not Applicable	
☐ Monitoring Well		Liner(s) Removed? ☐ Yes ☐ No ☒ Not Applicable	
☐ Water Well		Screen Removed? ☐ Yes ☐ No ☒ Not Applicable	
☒ Borehole / Drillhole		Casing Left in Place? ☐ Yes ☐ No	
Construction Type:		Was Casing Cut Off Below Surface? ☐ Yes ☐ No	
☐ Drilled ☐ Driven (Sandpoint) ☐ Dug		Did Sealing Material Rise to Surface? ☒ Yes ☐ No	
☒ Other (Specify) <u>Geoprobe</u>		Did Material Settle After 24 Hours? ☐ Yes ☒ No	
Formation Type:		If Yes, Was Hole Retopped? ☐ Yes ☐ No	
☒ Unconsolidated Formation ☐ Bedrock		Required Method of Placing Sealing Material	
Total Well Depth (ft.) <u>1.5</u> Casing Diameter (in.) _____		☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped	
(From ground surface) Casing Depth (ft.) _____		☐ Screened & Poured (Bentonite Chips) ☒ Other (Explain) Gravity	
Lower Drillhole Diameter (in.) <u>2</u>		Sealing Materials	
Was Well Annular Space Grouted? ☐ Yes ☐ No ☐ Unknown		☐ Neat Cement Grout	
If Yes, To What Depth? _____ Feet		☐ Sand-Cement (Concrete) Grout	
Depth to Water (Feet) _____		☐ Concrete	
		☐ Clay-Sand Slurry (11 lb./gal. wt.)	
		☐ Bentonite-Sand Slurry " "	
		☒ 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	Mix Ratio or Mud Weight
	Medium bentonite chips	Surface	1.5	2	

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

(7) Name of Person or Firm Doing Sealing Work		Date of Abandonment
Eric Dahl/METCO		3/3/2014
Signature of Person Doing Work		Date Signed
		4/30/14
Street or Route		Telephone Number
709 Gillette Street, Suite 3		(608) 781-8879
City, State, Zip Code		
La Crosse WI 54603-		

FOR DNR OR COUNTY USE ONLY	
Date Received	Noted By
Comments	

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

(1) GENERAL INFORMATION		(2) FACILITY / OWNER INFORMATION				
WI Unique Well No.	DNR Well ID No.	County	Facility Name			
		CLARK	Shortville Store			
Common Well Name <u>G-1</u>		Gov't Lot (If applicable)	Facility ID	License/Permit/Monitoring No.		
<u>NE</u> 1/4 of <u>NE</u> 1/4 of Sec. <u>8</u>		<u>23</u> N; R. <u>1</u>	<u>610022650</u>			
Grid Location		☐ E ☒ W	Street Address of Well			
			STH 73 and Miller Ave			
			City, Village, or Town			
			Washburn (Shortville)			
Local Grid Origin ☐ (estimated: ☐) or Well Location ☐			Present Well Owner		Original Owner	
Lat. <u>44</u> ° <u>29</u> ' <u>41</u> " Long <u>90</u> ° <u>31</u> ' <u>1</u> "			Tom Mortenson			
St. Plane _____ ft. N. _____ ft. E. ☐ ☐ ☐ Zone			Street Address or Route of Owner			
Reason For Abandonment		WI Unique Well No.	City, State, Zip Code			
Sampling Complete		of Replacement Well _____	Neillsville WI 54456-			
(3) WELL/DRILLHOLE/BOREHOLE INFORMATION			(4) PUMP, LINER, SCREEN, CASING, & SEALING MATERIAL			
Original Construction Date <u>3/3/2014</u>			Pump & Piping Removed? ☐ Yes ☐ No ☒ Not Applicable			
☐ Monitoring Well			Liner(s) Removed? ☐ Yes ☐ No ☒ Not Applicable			
☐ Water Well			Screen Removed? ☐ Yes ☐ No ☒ Not Applicable			
☒ Borehole / Drillhole			Casing Left in Place? ☐ Yes ☐ No			
Construction Type:			Was Casing Cut Off Below Surface? ☐ Yes ☐ No			
☐ Drilled ☐ Driven (Sandpoint) ☐ Dug			Did Sealing Material Rise to Surface? ☒ Yes ☐ No			
☒ Other (Specify) <u>Geoprobe</u>			Did Material Settle After 24 Hours? ☐ Yes ☒ No			
Formation Type:			If Yes, Was Hole Retopped? ☐ Yes ☐ No			
☒ Unconsolidated Formation ☐ Bedrock			Required Method of Placing Sealing Material			
Total Well Depth (ft.) <u>4</u> Casing Diameter (in.) _____			☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped			
(From ground surface) Casing Depth (ft.) _____			☐ Screened & Poured (Bentonite Chips) ☒ Other (Explain) Gravity			
Lower Drillhole Diameter (in.) <u>2</u>			Sealing Materials			
Was Well Annular Space Grouted? ☐ Yes ☐ No ☐ Unknown			Neat Cement Grout			
If Yes, To What Depth? _____ Feet			Sand-Cement (Concrete) Grout			
Depth to Water (Feet) _____			Concrete			
			Clay-Sand Slurry (11 lb./gal. wt.)			
			Bentonite-Sand Slurry " "			
			☒ 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	Mix Ratio or Mud Weight
Medium bentonite chips			Surface	4	6	

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

(7) Name of Person or Firm Doing Sealing Work		Date of Abandonment
Eric Dahl/METCO		3/3/2014
Signature of Person Doing Work		Date Signed
		4/30/14
Street or Route		Telephone Number
709 Gillette Street, Suite 3		(608) 781-8879
City, State, Zip Code		
La Crosse WI 54603-		

FOR DNR OR COUNTY USE ONLY	
Date Received	Noted By
Comments	

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Route to: ☐ Drinking Water ☐ Watershed/Wastewater ☐ Waste Management ☒ Remediation/Redevelopment ☐ Other			
(1) GENERAL INFORMATION		(2) FACILITY/ OWNER INFORMATION	
WI Unique Well No.	DNR Well ID No.	County	
		CLARK	
Common Well Name G-2		Gov't Lot (If applicable)	
NE 1/4 of NE 1/4 of Sec. 8		T. 23 N; R. 1 E	
Grid Location		[X] W	
ft. ☐ N. ☐ S., ft. ☐ E. ☐ W.		Facility ID	
Local Grid Origin ☐ (estimated: ☐) or Well Location ☐		610022650	
Lat. 44° 29' 41" Long 90° 31' 1" or		License/Permit/Monitoring No.	
St. Plane ft. N. ft. E. ☐ ☐ ☐ Zone		Street Address of Well	
Reason For Abandonment		STH 73 and Miller Ave	
Sampling Complete		City, Village, or Town	
WI Unique Well No.		Washburn(Shortville)	
of Replacement Well		Present Well Owner	
		Tom Mortenson	
		Original Owner	
		Street Address or Route of Owner	
		W4109 STH 73	
		City, State, Zip Code	
		Neillsville WI 54456-	
(3) WELL/DRILLHOLE/BOREHOLE INFORMATION		(4) PUMP, LINER, SCREEN, CASING, & SEALING MATERIAL	
Original Construction Date 3/3/2014		Pump & Piping Removed? ☐ Yes ☐ No ☒ Not Applicable	
☐ Monitoring Well		Liner(s) Removed? ☐ Yes ☐ No ☒ Not Applicable	
☐ Water Well		Screen Removed? ☐ Yes ☐ No ☒ Not Applicable	
☒ Borehole / Drillhole		Casing Left in Place? ☐ Yes ☐ No	
Construction Type:		Was Casing Cut Off Below Surface? ☐ Yes ☐ No	
☐ Drilled ☐ Driven (Sandpoint) ☐ Dug		Did Sealing Material Rise to Surface? ☒ Yes ☐ No	
☒ Other (Specify) Geoprobe		Did Material Settle After 24 Hours? ☐ Yes ☒ No	
Formation Type:		If Yes, Was Hole Retopped? ☐ Yes ☐ No	
☒ Unconsolidated Formation ☐ Bedrock		Required Method of Placing Sealing Material	
Total Well Depth (ft.) 10 Casing Diameter (in.)		☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped	
(From ground surface) Casing Depth (ft.)		☐ Screened & Poured (Bentonite Chips) ☒ Other (Explain) Gravity	
Lower Drillhole Diameter (in.) 2		Sealing Materials	
Was Well Annular Space Grouted? ☐ Yes ☐ No ☐ Unknown		☐ Neat Cement Grout	
If Yes, To What Depth? Feet		☐ Sand-Cement (Concrete) Grout	
Depth to Water (Feet) 7.5		☐ Concrete	
		☐ Clay-Sand Slurry (11 lb./gal. wt.)	
		☐ Bentonite-Sand Slurry " "	
		☒ 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 Mix Ratio or Mud Weight	
Medium bentonite chips		Surface 10 15	
(6) Comments: Abandoned by Geiss Soil & Samples, LLC under METCO supervision.			
(7) Name of Person or Firm Doing Sealing Work		Date of Abandonment	
Eric Dahl/METCO		3/3/2014	
Signature of Person Doing Work		Date Signed	
		4/30/14	
Street or Route		Telephone Number	
709 Gillette Street, Suite 3		(608) 781-8879	
City, State, Zip Code			
La Crosse WI 54603-			

FOR DNR OR COUNTY USE ONLY	
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Comments	

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Route to: ☐ Drinking Water ☐ Watershed/Wastewater ☐ Waste Management ☒ Remediation/Redevelopment ☐ Other _____		
(1) GENERAL INFORMATION		(2) FACILITY/ OWNER INFORMATION
WI Unique Well No. _____	DNR Well ID No. _____	County CLARK
Common Well Name G-3 Gov't Lot (If applicable) _____		Facility Name Shortville Store
NE 1/4 of NE 1/4 of Sec. 8 ; T. 23 N; R. 1 E ☐ W ☒		Facility ID 610022650
Grid Location _____ ft. ☐ N. ☐ S., _____ ft. ☐ E. ☐ W.		License/Permit/Monitoring No. _____
Local Grid Origin ☐ (estimated: ☐) or Well Location ☐		Street Address of Well STH 73 and Miller Ave
Lat. 44° 29' 41" Long 90° 31' 1" or _____		City, Village, or Town Washburn(Shortville)
St. Plane _____ ft. N. _____ ft. E. ☐ ☐ ☐ Zone _____		Present Well Owner Tom Mortenson
Reason For Abandonment Sampling Complete		Original Owner _____
WI Unique Well No. _____		Street Address or Route of Owner W4109 STH 73
of Replacement Well _____		City, State, Zip Code Neillsville WI 54456-

(3) WELL/DRILLHOLE/BOREHOLE INFORMATION		(4) PUMP, LINER, SCREEN, CASING, & SEALING MATERIAL	
Original Construction Date 3/3/2014		Pump & Piping Removed? ☐ Yes ☐ No ☒ Not Applicable	
☐ Monitoring Well		Liner(s) Removed? ☐ Yes ☐ No ☒ Not Applicable	
☐ Water Well		Screen Removed? ☐ Yes ☐ No ☒ Not Applicable	
☒ Borehole / Drillhole		Casing Left in Place? ☐ Yes ☐ No	
Construction Type:		Was Casing Cut Off Below Surface? ☐ Yes ☐ No	
☐ Drilled ☐ Driven (Sandpoint) ☐ Dug		Did Sealing Material Rise to Surface? ☒ Yes ☐ No	
☒ Other (Specify) Geoprobe		Did Material Settle After 24 Hours? ☐ Yes ☒ No	
Formation Type:		If Yes, Was Hole Retopped? ☐ Yes ☐ No	
☒ Unconsolidated Formation ☐ Bedrock		Required Method of Placing Sealing Material	
Total Well Depth (ft.) 10 Casing Diameter (in.) _____		☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped	
(From ground surface) Casing Depth (ft.) _____		☐ Screened & Poured (Bentonite Chips) ☒ Other (Explain) Gravity	
Lower Drillhole Diameter (in.) 2		Sealing Materials	
Was Well Annular Space Grouted? ☐ Yes ☐ No ☐ Unknown		☐ Neat Cement Grout	
If Yes, To What Depth? _____ Feet		☐ Sand-Cement (Concrete) Grout	
Depth to Water (Feet) 8		☐ Concrete	
		☐ Clay-Sand Slurry (11 lb./gal. wt.)	
		☐ Bentonite-Sand Slurry " "	
		☒ 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	Mix Ratio or Mud Weight
Medium bentonite chips	Surface	10	15	

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

(7) Name of Person or Firm Doing Sealing Work		Date of Abandonment	
Eric Dahl/METCO		3/3/2014	
Signature of Person Doing Work 		Date Signed 4/30/14	
Street or Route 709 Gillette Street, Suite 3		Telephone Number (608) 781-8879	
City, State, Zip Code La Crosse WI 54603-			

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Comments _____	

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Route to: ☐ Drinking Water ☐ Watershed/Wastewater ☐ Waste Management ☒ Remediation/Redevelopment ☐ Other _____			
(1) GENERAL INFORMATION		(2) FACILITY / OWNER INFORMATION	
WI Unique Well No. _____	DNR Well ID No. _____	County CLARK	
Common Well Name <u>G-4</u> Gov't Lot (If applicable) _____		Facility Name Shortville Store	
<u>NE</u> 1/4 of <u>NE</u> 1/4 of Sec. <u>8</u> ; T. <u>23</u> N; R. <u>1</u> ☐ E ☒ W		Facility ID 610022650	
Grid Location _____ ft. ☐ N. ☐ S., _____ ft. ☐ E. ☐ W.		License/Permit/Monitoring No. _____	
Local Grid Origin ☐ (estimated: ☐) or Well Location ☐		Street Address of Well STH 73 and Miller Ave	
Lat. <u>44</u> ° <u>29</u> ' <u>41</u> " Long <u>90</u> ° <u>31</u> ' <u>1</u> " or _____		City, Village, or Town Washburn(Shortville)	
St. Plane _____ ft. N. _____ ft. E. ☐ S ☐ C ☐ N Zone _____		Present Well Owner Tom Mortenson	
Reason For Abandonment Sampling Complete		Original Owner _____	
WI Unique Well No. _____		Street Address or Route of Owner W4109 STH 73	
of Replacement Well _____		City, State, Zip Code Neillsville WI 54456-	
(3) WELL/DRILLHOLE/BOREHOLE INFORMATION		(4) PUMP, LINER, SCREEN, CASING, & SEALING MATERIAL	
Original Construction Date <u>3/3/2014</u>		Pump & Piping Removed? ☐ Yes ☐ No ☒ Not Applicable	
☐ Monitoring Well		Liner(s) Removed? ☐ Yes ☐ No ☒ Not Applicable	
☐ Water Well		Screen Removed? ☐ Yes ☐ No ☒ Not Applicable	
☒ Borehole / Drillhole		Casing Left in Place? ☐ Yes ☐ No	
If a Well Construction Report is available, please attach.		Was Casing Cut Off Below Surface? ☐ Yes ☐ No	
Construction Type:		Did Sealing Material Rise to Surface? ☒ Yes ☐ No	
☐ Drilled ☐ Driven (Sandpoint) ☐ Dug		Did Material Settle After 24 Hours? ☐ Yes ☒ No	
☒ Other (Specify) <u>Geoprobe</u>		If Yes, Was Hole Retopped? ☐ Yes ☐ No	
Formation Type:		Required Method of Placing Sealing Material	
☒ Unconsolidated Formation ☐ Bedrock		☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped	
Total Well Depth (ft.) <u>10</u> Casing Diameter (in.) _____		☐ Screened & Poured (Bentonite Chips) ☒ Other (Explain) <u>Gravity</u>	
(From ground surface) Casing Depth (ft.) _____		Sealing Materials	
Lower Drillhole Diameter (in.) <u>2</u>		☐ Neat Cement Grout	
Was Well Annular Space Grouted? ☐ Yes ☐ No ☐ Unknown		☐ Sand-Cement (Concrete) Grout	
If Yes, To What Depth? _____ Feet		☐ Concrete	
Depth to Water (Feet) <u>8</u>		☐ Clay-Sand Slurry (11 lb./gal. wt.)	
		☐ Bentonite-Sand Slurry " "	
		☒ 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	Mix Ratio or Mud Weight
Medium bentonite chips		Surface	10
			15
(6) Comments: <u>Abandoned by Geiss Soil & Samples, LLC under METCO supervision.</u>			
(7) Name of Person or Firm Doing Sealing Work		Date of Abandonment	
<u>Eric Dahl/METCO</u>		<u>3/3/2014</u>	
Signature of Person Doing Work _____		Date Signed <u>4/30/14</u>	
Street or Route <u>709 Gillette Street, Suite 3</u>		Telephone Number <u>(608) 781-8879</u>	
City, State, Zip Code <u>La Crosse WI 54603-</u>			

FOR DNR OR COUNTY USE ONLY	
Date Received _____	Noted By _____
Comments _____	

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Route to: ☐ Drinking Water ☐ Watershed/Wastewater ☐ Waste Management ☒ Remediation/Redevelopment ☐ Other _____			
(1) GENERAL INFORMATION		(2) FACILITY/ OWNER INFORMATION	
WI Unique Well No. _____	DNR Well ID No. _____	County CLARK	
Common Well Name <u>G-5</u> Gov't Lot (If applicable) _____		Facility Name <u>Shortville Store</u>	
<u>NE</u> 1/4 of <u>NE</u> 1/4 of Sec. <u>8</u> ; T. <u>23</u> N; R. <u>1</u> ☐ E ☒ W		Facility ID <u>610022650</u>	
Grid Location _____ ft. ☐ N. ☐ S., _____ ft. ☐ E. ☐ W.		License/Permit/Monitoring No. _____	
Local Grid Origin ☐ (estimated: ☐) or Well Location ☐		Street Address of Well <u>STH 73 and Miller Ave</u>	
Lat. <u>44</u> ° <u>29</u> ' <u>41</u> " Long <u>90</u> ° <u>31</u> ' <u>1</u> " or _____		City, Village, or Town <u>Washburn(Shortville)</u>	
St. Plane _____ ft. N. _____ ft. E. ☐ ☐ ☐ Zone _____		Present Well Owner <u>Tom Mortenson</u>	
Reason For Abandonment <u>Sampling Complete</u>		Original Owner _____	
WI Unique Well No. _____ of Replacement Well _____		Street Address or Route of Owner <u>W4109 STH 73</u>	
(3) WELL/DRILLHOLE/BOREHOLE INFORMATION		(4) PUMP, LINER, SCREEN, CASING, & SEALING MATERIAL	
Original Construction Date <u>3/3/2014</u>		Pump & Piping Removed? ☐ Yes ☐ No ☒ Not Applicable	
☐ Monitoring Well		Liner(s) Removed? ☐ Yes ☐ No ☒ Not Applicable	
☐ Water Well		Screen Removed? ☐ Yes ☐ No ☒ Not Applicable	
☒ Borehole / Drillhole		Casing Left in Place? ☐ Yes ☐ No	
Construction Type: ☐ Drilled ☐ Driven (Sandpoint) ☐ Dug		Was Casing Cut Off Below Surface? ☐ Yes ☐ No	
☒ Other (Specify) <u>Geoprobe</u>		Did Sealing Material Rise to Surface? ☒ Yes ☐ No	
Formation Type: ☒ Unconsolidated Formation ☐ Bedrock		Did Material Settle After 24 Hours? ☐ Yes ☒ No	
Total Well Depth (ft.) <u>8</u> Casing Diameter (in.) _____		If Yes, Was Hole Retopped? ☐ Yes ☐ No	
(From ground surface) Casing Depth (ft.) _____		Required Method of Placing Sealing Material	
Lower Drillhole Diameter (in.) <u>2</u>		☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped	
Was Well Annular Space Grouted? ☐ Yes ☐ No ☐ Unknown		☐ Screened & Poured (Bentonite Chips) ☒ Other (Explain) Gravity	
If Yes, To What Depth? _____ Feet		Sealing Materials	
Depth to Water (Feet) <u>7.5</u>		☐ Neat Cement Grout	
		☐ Sand-Cement (Concrete) Grout	
		☐ Concrete	
		☐ Clay-Sand Slurry (11 lb./gal. wt.)	
		☐ Bentonite-Sand Slurry " "	
		☒ 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	Mix Ratio or Mud Weight
Medium bentonite chips		Surface	8
			12
(6) Comments: <u>Abandoned by Geiss Soil & Samples, LLC under METCO supervision.</u>			
(7) Name of Person or Firm Doing Sealing Work		Date of Abandonment	
<u>Eric Dahl/METCO</u>		<u>3/3/2014</u>	
Signature of Person Doing Work _____		Date Signed <u>4/30/14</u>	
Street or Route <u>709 Gillette Street, Suite 3</u>		Telephone Number <u>(608) 781-8879</u>	
City, State, Zip Code <u>La Crosse WI 54603-</u>			

FOR DNR OR COUNTY USE ONLY	
Date Received _____	Noted By _____
Comments _____	

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

(1) GENERAL INFORMATION		(2) FACILITY/ OWNER INFORMATION	
WI Unique Well No.	DNR Well ID No.	County CLARK	
Common Well Name G-6 Gov't Lot (If applicable)		Facility Name Shortville Store	Facility ID 610022650
NE 1/4 of NE 1/4 of Sec. 8 ; T. 23 N; R. 1 ☐ E ☒ W		License/Permit/Monitoring No.	
Grid Location _____ ft. ☐ N. ☐ S., _____ ft. ☐ E. ☐ W.		Street Address of Well STH 73 and Miller Ave	
Local Grid Origin ☐ (estimated: ☐) or Well Location ☐		City, Village, or Town Washburn(Shortville)	
Lat. 44 ° 29 ' 41 . " Long 90 ° 31 ' 1 . " or _____ S C N		Present Well Owner Tom Mortenson	
St. Plane _____ ft. N. _____ ft. E. ☐ ☐ ☐ Zone		Original Owner	
Reason For Abandonment Sampling Complete		Street Address or Route of Owner W4109 STH 73	
WI Unique Well No. of Replacement Well _____		City, State, Zip Code Neillsville WI 54456-	

(3) WELL/DRILLHOLE/BOREHOLE INFORMATION		(4) PUMP, LINER, SCREEN, CASING, & SEALING MATERIAL	
Original Construction Date 3/3/2014		Pump & Piping Removed? ☐ Yes ☐ No ☒ Not Applicable	
☐ Monitoring Well		Liner(s) Removed? ☐ Yes ☐ No ☒ Not Applicable	
☐ Water Well		Screen Removed? ☐ Yes ☐ No ☒ Not Applicable	
☒ Borehole / Drillhole		Casing Left in Place? ☐ Yes ☐ No	
Construction Type: ☐ Drilled ☐ Driven (Sandpoint) ☐ Dug		Was Casing Cut Off Below Surface? ☐ Yes ☐ No	
☒ Other (Specify) Geoprobe		Did Sealing Material Rise to Surface? ☒ Yes ☐ No	
Formation Type: ☒ Unconsolidated Formation ☐ Bedrock		Did Material Settle After 24 Hours? ☐ Yes ☒ No	
Total Well Depth (ft.) 12 Casing Diameter (in.) _____		If Yes, Was Hole Retopped? ☐ Yes ☐ No	
(From ground surface) Casing Depth (ft.) _____		Required Method of Placing Sealing Material	
Lower Drillhole Diameter (in.) 2		☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped	
Was Well Annular Space Grouted? ☐ Yes ☐ No ☐ Unknown		☐ Screened & Poured (Bentonite Chips) ☒ Other (Explain) Gravity	
If Yes, To What Depth? _____ Feet		Sealing Materials	
Depth to Water (Feet) 10		☐ Neat Cement Grout	
		☐ Sand-Cement (Concrete) Grout	
		☐ Concrete	
		☐ Clay-Sand Slurry (11 lb./gal. wt.)	
		☐ Bentonite-Sand Slurry " "	
		☒ 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	Mix Ratio or Mud Weight
Medium bentonite chips	Surface	12	18	

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

(7) Name of Person or Firm Doing Sealing Work Eric Dahl/METCO		Date of Abandonment 3/3/2014
Signature of Person Doing Work <i>[Signature]</i>		Date Signed 4/30/14
Street or Route 709 Gillette Street, Suite 3		Telephone Number (608) 781-8879
City, State, Zip Code La Crosse WI 54603-		

FOR DNR OR COUNTY USE ONLY	
Date Received	Noted By
Comments	

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Route to: ☐ Drinking Water ☐ Watershed/Wastewater ☐ Waste Management ☒ Remediation/Redevelopment ☐ Other			
(1) GENERAL INFORMATION		(2) FACILITY/OWNER INFORMATION	
WI Unique Well No.	DNR Well ID No.	County CLARK	
Common Well Name <u>G-7</u> Gov't Lot (If applicable)		Facility Name Shortville Store	
NE 1/4 of NE 1/4 of Sec. 8 ; T. 23 N; R. 1 ☐ E ☒ W		Facility ID 610022650	
Grid Location _____ ft. ☐ N. ☐ S., _____ ft. ☐ E. ☐ W.		License/Permit/Monitoring No.	
Local Grid Origin ☐ (estimated: ☐) or Well Location ☐		Street Address of Well STH 73 and Miller Ave	
Lat. 44° 29' 41" Long 90° 31' 1" or		City, Village, or Town Washburn(Shortville)	
St. Plane _____ ft. N. _____ ft. E. ☐ ☐ ☐ Zone		Present Well Owner Tom Mortenson	
Reason For Abandonment Sampling Complete		Original Owner	
WI Unique Well No. of Replacement Well _____		Street Address or Route of Owner W4109 STH 73	
City, State, Zip Code Neillsville WI 54456-			
(3) WELL/DRILLHOLE/BOREHOLE INFORMATION		(4) PUMP, LINER, SCREEN, CASING, & SEALING MATERIAL	
Original Construction Date <u>3/3/2014</u>		Pump & Piping Removed? ☐ Yes ☐ No ☒ Not Applicable	
☐ Monitoring Well		Liner(s) Removed? ☐ Yes ☐ No ☒ Not Applicable	
☐ Water Well		Screen Removed? ☐ Yes ☐ No ☒ Not Applicable	
☒ Borehole / Drillhole		Casing Left in Place? ☐ Yes ☐ No	
Construction Type:		Was Casing Cut Off Below Surface? ☐ Yes ☐ No	
☐ Drilled ☐ Driven (Sandpoint) ☐ Dug		Did Sealing Material Rise to Surface? ☒ Yes ☐ No	
☒ Other (Specify) Geoprobe		Did Material Settle After 24 Hours? ☐ Yes ☒ No	
Formation Type:		If Yes, Was Hole Retopped? ☐ Yes ☐ No	
☒ Unconsolidated Formation ☐ Bedrock		Required Method of Placing Sealing Material	
Total Well Depth (ft.) <u>10</u> Casing Diameter (in.) _____		☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped	
(From ground surface) Casing Depth (ft.) _____		☐ Screened & Poured (Bentonite Chips) ☒ Other (Explain) Gravity	
Lower Drillhole Diameter (in.) <u>2</u>		Sealing Materials	
Was Well Annular Space Grouted? ☐ Yes ☐ No ☐ Unknown		☐ Neat Cement Grout	
If Yes, To What Depth? _____ Feet		☐ Sand-Cement (Concrete) Grout	
Depth to Water (Feet) <u>7.5</u>		☐ Concrete	
		☐ Clay-Sand Slurry (11 lb./gal. wt.)	
		☐ Bentonite-Sand Slurry " "	
		☒ 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.)
Medium bentonite chips	Surface	10	Pounds 15
			Mix Ratio or Mud Weight
(6) Comments: Abandoned by Geiss Soil & Samples, LLC under METCO supervision.			
(7) Name of Person or Firm Doing Sealing Work		Date of Abandonment	
Eric Dahl/METCO		3/3/2014	
Signature of Person Doing Work		Date Signed	
		4/30/14	
Street or Route		Telephone Number	
709 Gillette Street, Suite 3		(608) 781-8879	
City, State, Zip Code			
La Crosse WI 54603-			

FOR DNR OR COUNTY USE ONLY	
Date Received	Noted By
Comments	

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

(1) GENERAL INFORMATION		(2) FACILITY/ OWNER INFORMATION	
WI Unique Well No.	DNR Well ID No.	County CLARK	
Common Well Name G-8 Gov't Lot (If applicable)		Facility Name Shortville Store	
NE 1/4 of NE 1/4 of Sec. 8 ; T. 23 N; R. 1 ☐ E ☒ W		Facility ID 610022650	
Grid Location ft. ☐ N. ☐ S., ft. ☐ E. ☐ W.		License/Permit/Monitoring No.	
Local Grid Origin ☐ (estimated: ☐) or Well Location ☐		Street Address of Well STH 73 and Miller Ave	
Lat. 44° 29' 41" Long 90° 31' 1" or		City, Village, or Town Washburn(Shortville)	
St. Plane ft. N. ft. E. ☐ ☐ ☐ Zone		Present Well Owner Tom Mortenson	
Reason For Abandonment Sampling Complete		Original Owner	
WI Unique Well No. of Replacement Well		Street Address or Route of Owner W4109 STH 73	
		City, State, Zip Code Neillsville WI 54456-	

(3) WELL/DRILLHOLE/BOREHOLE INFORMATION		(4) PUMP, LINER, SCREEN, CASING, & SEALING MATERIAL	
Original Construction Date 3/3/2014		Pump & Piping Removed? ☐ Yes ☐ No ☒ Not Applicable	
☐ Monitoring Well		Liner(s) Removed? ☐ Yes ☐ No ☒ Not Applicable	
☐ Water Well		Screen Removed? ☐ Yes ☐ No ☒ Not Applicable	
☒ Borehole / Drillhole		Casing Left in Place? ☐ Yes ☐ No	
Construction Type:		Was Casing Cut Off Below Surface? ☐ Yes ☐ No	
☐ Drilled ☐ Driven (Sandpoint) ☐ Dug		Did Sealing Material Rise to Surface? ☒ Yes ☐ No	
☒ Other (Specify) Geoprobe		Did Material Settle After 24 Hours? ☐ Yes ☒ No	
Formation Type:		If Yes, Was Hole Retopped? ☐ Yes ☐ No	
☒ Unconsolidated Formation ☐ Bedrock		Required Method of Placing Sealing Material	
Total Well Depth (ft.) 10 Casing Diameter (in.)		☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped	
(From ground surface) Casing Depth (ft.)		☐ Screened & Poured (Bentonite Chips) ☒ Other (Explain) Gravity	
Lower Drillhole Diameter (in.) 2		Sealing Materials	
Was Well Annular Space Grouted? ☐ Yes ☐ No ☐ Unknown		☐ Neat Cement Grout	
If Yes, To What Depth? Feet		☐ Sand-Cement (Concrete) Grout	
Depth to Water (Feet) 7		☐ Concrete	
		☐ Clay-Sand Slurry (11 lb./gal. wt.)	
		☐ Bentonite-Sand Slurry " "	
		☒ 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	Mix Ratio or Mud Weight
	Medium bentonite chips	Surface	10	15	

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

(7) Name of Person or Firm Doing Sealing Work		Date of Abandonment	
Eric Dahl/METCO		3/3/2014	
Signature of Person Doing Work		Date Signed 4/30/14	
Street or Route 709 Gillette Street, Suite 3		Telephone Number (608) 781-8879	
City, State, Zip Code La Crosse WI 54603-			

FOR DNR OR COUNTY USE ONLY	
Date Received	Noted By
Comments	

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Route to: ☐ Drinking Water ☐ Watershed/Wastewater ☐ Waste Management ☒ Remediation/Redevelopment ☐ Other _____			
(1) GENERAL INFORMATION		(2) FACILITY/ OWNER INFORMATION	
WI Unique Well No. _____	DNR Well ID No. _____	County CLARK	
Common Well Name G-9 Gov't Lot (If applicable) _____		Facility Name Shortville Store	
NE 1/4 of NE 1/4 of Sec. 8 ; T. 23 N; R. 1 E ☐ W ☒		Facility ID 610022650	
Grid Location _____ ft. ☐ N. ☐ S. _____ ft. ☐ E. ☐ W.		License/Permit/Monitoring No. _____	
Local Grid Origin ☐ (estimated: ☐) or Well Location ☐		Street Address of Well STH 73 and Miller Ave	
Lat. 44 ° 29 ' 41 " Long 90 ° 31 ' 1 " or _____		City, Village, or Town Washburn (Shortville)	
St. Plane _____ ft. N. _____ ft. E. ☐ ☐ ☐ Zone _____		Present Well Owner Tom Mortenson	
Reason For Abandonment Sampling Complete		Original Owner _____	
WI Unique Well No. _____ of Replacement Well _____		Street Address or Route of Owner W4109 STH 73	
(3) WELL/DRILLHOLE/BOREHOLE INFORMATION		(4) PUMP, LINER, SCREEN, CASING, & SEALING MATERIAL	
Original Construction Date 3/3/2014		Pump & Piping Removed? ☐ Yes ☐ No ☒ Not Applicable	
☐ Monitoring Well		Liner(s) Removed? ☐ Yes ☐ No ☒ Not Applicable	
☐ Water Well		Screen Removed? ☐ Yes ☐ No ☒ Not Applicable	
☒ Borehole / Drillhole		Casing Left in Place? ☐ Yes ☐ No	
If a Well Construction Report is available, please attach.		Was Casing Cut Off Below Surface? ☐ Yes ☐ No	
Construction Type:		Did Sealing Material Rise to Surface? ☒ Yes ☐ No	
☐ Drilled ☐ Driven (Sandpoint) ☐ Dug		Did Material Settle After 24 Hours? ☐ Yes ☒ No	
☒ Other (Specify) Geoprobe		If Yes, Was Hole Retopped? ☐ Yes ☐ No	
Formation Type:		Required Method of Placing Sealing Material	
☒ Unconsolidated Formation ☐ Bedrock		☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped	
Total Well Depth (ft.) 12 Casing Diameter (in.) _____		☐ Screened & Poured (Bentonite Chips) ☒ Other (Explain) Gravity	
(From ground surface) Casing Depth (ft.) _____		Sealing Materials	
Lower Drillhole Diameter (in.) 2		☐ Neat Cement Grout	
Was Well Annular Space Grouted? ☐ Yes ☐ No ☐ Unknown		☐ Sand-Cement (Concrete) Grout	
If Yes, To What Depth? _____ Feet		☐ Concrete	
Depth to Water (Feet) 8		☐ Clay-Sand Slurry (11 lb./gal. wt.)	
		☐ Bentonite-Sand Slurry " "	
		☒ 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 Mix Ratio or Mud Weight	
Medium bentonite chips		Surface 12 18	
(6) Comments: Abandoned by Geiss Soil & Samples, LLC under METCO supervision.			
(7) Name of Person or Firm Doing Sealing Work		Date of Abandonment	
Eric Dahl/METCO		3/3/2014	
Signature of Person Doing Work _____		Date Signed 4/30/14	
Street or Route 709 Gillette Street, Suite 3		Telephone Number (608) 781-8879	
City, State, Zip Code La Crosse WI 54603-			

FOR DNR OR COUNTY USE ONLY	
Date Received _____	Noted By _____
Comments _____	

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Route to: ☐ Drinking Water ☐ Watershed/Wastewater ☐ Waste Management ☒ Remediation/Redevelopment ☐ Other	
(1) GENERAL INFORMATION	
WI Unique Well No.	DNR Well ID No. County CLARK
Common Well Name <u>G-10</u> Gov't Lot (If applicable) _____	
NE 1/4 of NE 1/4 of Sec. <u>8</u> ; T. <u>23</u> N; R. <u>1</u> E ☐ W ☒	
Grid Location _____ ft. ☐ N. ☐ S., _____ ft. ☐ E. ☐ W.	
Local Grid Origin ☐ (estimated: ☐) or Well Location ☐	
Lat. <u>44</u> ° <u>29</u> ' <u>41</u> " Long <u>90</u> ° <u>31</u> ' <u>1</u> " or _____	
St. Plane _____ ft. N. _____ ft. E. ☐ ☐ ☐ Zone _____	
Reason For Abandonment Sampling Complete	WI Unique Well No. _____ of Replacement Well _____
(3) WELL/DRILLHOLE/BOREHOLE INFORMATION	
Original Construction Date <u>3/3/2014</u>	
☐ Monitoring Well ☐ Water Well ☒ Borehole / Drillhole	
If a Well Construction Report is available, please attach.	
Construction Type: ☐ Drilled ☐ Driven (Sandpoint) ☐ Dug ☒ Other (Specify) <u>Geoprobe</u>	
Formation Type: ☒ Unconsolidated Formation ☐ Bedrock	
Total Well Depth (ft.) <u>12</u> Casing Diameter (in.) _____ (From ground surface) Casing Depth (ft.) _____	
Lower Drillhole Diameter (in.) <u>2</u>	
Was Well Annular Space Grouted? ☐ Yes ☐ No ☐ Unknown If Yes, To What Depth? _____ Feet	
Depth to Water (Feet) <u>7</u>	
(5) Material Used To Fill Well/Drillhole	
From (Ft.) To (Ft.) Pounds Mix Ratio or Mud Weight	
Surface 12 18	
Medium bentonite chips	
(6) Comments: Abandoned by Geiss Soil & Samples, LLC under METCO supervision.	
(7) Name of Person or Firm Doing Sealing Work Date of Abandonment Eric Dahl/METCO 3/3/2014	
Signature of Person Doing Work Date Signed <u>[Signature]</u> <u>4/30/14</u>	
Street or Route Telephone Number 709 Gillette Street, Suite 3 (608) 781-8879	
City, State, Zip Code La Crosse WI 54603-	
(2) FACILITY/ OWNER INFORMATION	
Facility Name Shortville Store	
Facility ID 610022650	License/Permit/Monitoring No. _____
Street Address of Well STH 73 and Miller Ave	
City, Village, or Town Washburn (Shortville)	
Present Well Owner Tom Mortenson	Original Owner _____
Street Address or Route of Owner W4109 STH 73	
City, State, Zip Code Neillsville WI 54456-	
(4) PUMP, LINER, SCREEN, CASING, & SEALING MATERIAL	
Pump & Piping Removed? ☐ Yes ☐ No ☒ Not Applicable	
Liner(s) Removed? ☐ Yes ☐ No ☒ Not Applicable	
Screen Removed? ☐ Yes ☐ No ☒ Not Applicable	
Casing Left in Place? ☐ Yes ☐ No	
Was Casing Cut Off Below Surface? ☐ Yes ☐ No	
Did Sealing Material Rise to Surface? ☒ Yes ☐ No	
Did Material Settle After 24 Hours? ☐ Yes ☒ No	
If Yes, Was Hole Retopped? ☐ Yes ☐ No	
Required Method of Placing Sealing Material	
☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped	
☐ Screened & Poured (Bentonite Chips) ☒ Other (Explain) Gravity	
Sealing Materials For monitoring wells and monitoring well boreholes only	
☐ Neat Cement Grout ☐ Bentonite Chips	
☐ Sand-Cement (Concrete) Grout ☐ Granular Bentonite	
☐ Concrete ☐ Bentonite - Cement Grout	
☐ Clay-Sand Slurry (11 lb./gal. wt.) ☐ Bentonite - Sand Slurry	
☐ Bentonite-Sand Slurry " " ☐ Bentonite - Sand Slurry	
☒ Bentonite Chips	

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☐ Verification Only of Fill and Seal	Route to:	☐ Drinking Water	☐ Watershed/Wastewater	☒ Remediation/Redevelopment
	☐ Waste Management	☐ Other: _____		

1. Well Location Information				2. Facility / Owner Information			
County CLARK		WI Unique Well # of Removed Well _____		Facility Name Shortville Store		Facility ID (FID or PWS) 610022650	
Latitude / Longitude (Degrees and Minutes) 44 ° 29.68 ' N 90 ° 31.016 ' W		Method Code (see instructions) _____		License/Permit/Monitoring # _____		Original Well Owner Tom Mortenson	
1/4 1/4 NE 1/4 NE or Gov't Lot #		Section 8	Township 23 N	Range 1 E ☒ W	Present Well Owner Tom Mortenson		Mailing Address of Present Owner W4109 STH 73
Well Street Address STH 73 and Miller Avenue				City of Present Owner Neillsville			
Well City, Village or Town Washburn				State WI		ZIP Code 54456-	
Subdivision Name _____				Lot # _____		ZIP Code 54456-	
Reason For Removal From Service Sampling Complete				WI Unique Well # of Replacement Well _____			
3. Well / Drillhole / Borehole Information				4. Pump, Liner, Screen, Casing & Sealing Material			
☐ Monitoring Well ☐ Water Well ☒ Borehole / Drillhole		Original Construction Date (mm/dd/yyyy) 11/22/2017		Pump and piping removed? ☐ Yes ☐ No ☒ N/A		Liner(s) removed? ☐ Yes ☐ No ☒ N/A	
Construction Type:		If a Well Construction Report is available, please attach.		Screen removed? ☐ Yes ☐ No ☒ N/A		Casing left in place? ☐ Yes ☐ No ☒ N/A	
☐ Drilled ☐ Driven (Sandpoint) ☐ Dug				Was casing cut off below surface? ☐ Yes ☐ No ☒ N/A		Did sealing material rise to surface? ☒ Yes ☐ No ☐ N/A	
☒ Other (specify): Geoprobe				Did material settle after 24 hours? 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	
Formation Type:				Required Method of Placing Sealing Material			
☐ Unconsolidated Formation ☐ Bedrock				☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped			
Total Well Depth From Ground Surface (ft.) 4		Casing Diameter (in.) 2		☐ Screened & Poured (Bentonite Chips) ☒ Other (Explain): Gravity			
Lower Drillhole Diameter (in.) 2		Casing Depth (ft.) 2		Sealing Materials			
Was well annular space grouted? ☐ Yes ☐ No ☐ Unknown		Depth to Water (feet) 2		☐ Neat Cement Grout ☐ Clay-Sand Slurry (11 lb./gal. wt.)			
				☐ Sand-Cement (Concrete) Grout ☐ Bentonite-Sand Slurry " "			
				☐ Concrete ☐ Bentonite Chips			
				For Monitoring Wells and Monitoring Well Boreholes Only:			
				☒ Bentonite Chips ☐ Bentonite - Cement Grout			
				☐ Granular Bentonite ☐ Bentonite - Sand Slurry			
5. Material Used To Fill Well / Drillhole							
Medium Bentonite Chips		From (ft.) Surface	To (ft.) 4	Pounds 6			
6. Comments							
Geoprobe boring G-11 Abandoned by Geiss Soil & Samples, LLC under METCO supervision							
7. Supervision of Work				DNR Use Only			
Name of Person or Firm Doing Filling & Sealing Ron Anderson (METCO)		License # _____	Date of Filling & Sealing (mm/dd/yyyy) 11/22/2017	Date Received _____	Noted By _____		
Street or Route 709 Gillette Street, Suite 3		Telephone Number (608) 781-8879		Comments _____			
City La Crosse	State WI	ZIP Code 54603-	Signature of Person Doing Work <i>[Signature]</i>		Date Signed 12/6/17		

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:

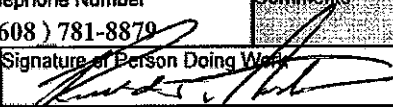
☐ Drinking Water

☐ Watershed/Wastewater

☒ Remediation/Redevelopment

☐ Waste Management

☐ Other: _____

1. Well Location Information				2. Facility / Owner Information			
County CLARK		WI Unique Well # of Removed Well _____		Hicap # _____		Facility Name Shortville Store	
Latitude / Longitude (Degrees and Minutes) 44 ° 29.68 ' N 90 ° 31.016 ' W		Method Code (see instructions) _____		Facility ID (FID or PWS) 610022650		License/Permit/Monitoring # _____	
1/4 NE 1/4 NE or Gov't Lot #		Section 8	Township 23 N	Range 1 E	Original Well Owner Tom Mortenson		
Well Street Address STH 73 and Miller Avenue		Well ZIP Code 54456-		Present Well Owner Tom Mortenson			
Well City, Village or Town Washburn		Subdivision Name _____		City of Present Owner Neillsville		State WI	ZIP Code 54456-
Reason For Removal From Service Sampling Complete		WI Unique Well # of Replacement Well _____		4. Pump, Liner, Screen, Casing & Sealing Material			
3. Well / Drillhole / Borehole Information		Original Construction Date (mm/dd/yyyy) 11/22/2017		Pump and piping removed? ☐ Yes ☐ No ☒ N/A			
☐ Monitoring Well		If a Well Construction Report is available, please attach.		Liner(s) removed? ☐ Yes ☐ No ☒ N/A			
☐ Water Well				Screen removed? ☐ Yes ☐ No ☒ N/A			
☒ Borehole / Drillhole				Casing left in place? ☐ Yes ☐ No ☒ N/A			
Construction Type:				Was casing cut off below surface? ☐ Yes ☐ No ☒ N/A			
☐ Drilled ☐ Driven (Sandpoint) ☐ Dug				Did sealing material rise to surface? ☒ Yes ☐ No ☐ N/A			
☒ Other (specify): Geoprobe				Did material settle after 24 hours? ☐ Yes ☒ No ☐ N/A			
Formation Type:				If yes, was hole retopped? ☐ Yes ☐ No ☒ N/A			
☐ Unconsolidated Formation ☐ Bedrock				If bentonite chips were used, were they hydrated with water from a known safe source? ☒ Yes ☐ No ☐ N/A			
Total Well Depth From Ground Surface (ft.) 4		Casing Diameter (in.) _____		Required Method of Placing Sealing Material			
Lower Drillhole Diameter (in.) 2		Casing Depth (ft.) _____		☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped			
Was well annular space grouted? ☐ Yes ☐ No ☐ Unknown		Depth to Water (feet) _____		☐ Screened & Poured (Bentonite Chips) ☒ Other (Explain): Gravity			
If yes, to what depth (feet)? _____				Sealing Materials			
				☐ Neat Cement Grout ☐ Clay-Sand Slurry (11 lb./gal. wt.)			
				☐ Sand-Cement (Concrete) Grout ☐ Bentonite-Sand Slurry " "			
				☐ Concrete ☐ Bentonite Chips			
				For Monitoring Wells and Monitoring Well Boreholes Only:			
				☒ Bentonite Chips ☐ Bentonite - Cement Grout			
				☐ Granular Bentonite ☐ Bentonite - Sand Slurry			
5. Material Used To Fill Well / Drillhole							
Medium Bentonite Chips		From (ft.) Surface	To (ft.) 4	Pounds 6			
6. Comments							
Geoprobe boring G-12							
Abandoned by Geiss Soil & Samples, LLC under METCO supervision							
7. Supervision of Work				DNR Use Only			
Name of Person or Firm Doing Filling & Sealing Ron Anderson (METCO)		License # _____	Date of Filling & Sealing (mm/dd/yyyy) 11/22/2017		Date Received _____	Noted By _____	
Street or Route 709 Gillette Street, Suite 3		Telephone Number (608) 781-8879		Comments _____			
City La Crosse	State WI	ZIP Code 54603-	Signature of Person Doing Work 		Date Signed 12/6/17		

Notice: Completion of this report is required by chs. 160, 281, 283, 289, 291-293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291-293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between \$10-25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. Return form to the appropriate DNR office and bureau. See instructions on reverse for more information.

☐ Verification Only of Fill and Seal	Route to:	☐ Drinking Water	☐ Watershed/Wastewater	☒ Remediation/Redevelopment
	☐ Waste Management	☐ Other: _____		

1. Well Location Information				2. Facility / Owner Information			
County CLARK		WI Unique Well # of Removed Well _____		Hicap # _____		Facility Name Shortville Store	
Latitude / Longitude (Degrees and Minutes) 44 ° 29.68 ' N 90 ° 31.016 ' W		Method Code (see instructions) _____		Facility ID (FID or PWS) 610022650		License/Permit/Monitoring # _____	
1/4 NE 1/4 NE or Gov't Lot # _____		Section 8	Township 23 N	Range 1 E	Original Well Owner Tom Mortenson		
Well Street Address STH 73 and Miller Avenue		Well ZIP Code 54456-		Present Well Owner Tom Mortenson			
Well City, Village or Town Washburn		City of Present Owner Neillsville		State WI	ZIP Code 54456-		
Subdivision Name _____		Lot # _____		Mailing Address of Present Owner W4109 STH 73			
Reason For Removal From Service Sampling Complete		WI Unique Well # of Replacement Well _____		4. Pump, Liner, Screen, Casing & Sealing Material			
3. Well / Drillhole / Borehole Information		Original Construction Date (mm/dd/yyyy) 11/22/2017		Pump and piping removed? ☐ Yes ☐ No ☒ N/A			
☐ Monitoring Well		If a Well Construction Report is available, please attach.		Liner(s) removed? ☐ Yes ☐ No ☒ N/A			
☐ Water Well				Screen removed? ☐ Yes ☐ No ☒ N/A			
☒ Borehole / Drillhole				Casing left in place? ☐ Yes ☐ No ☒ N/A			
Construction Type:				Was casing cut off below surface? ☐ Yes ☐ No ☒ N/A			
☐ Drilled		☐ Driven (Sandpoint)		Did sealing material rise to surface? ☒ Yes ☐ No ☐ N/A			
☒ Other (specify): Geoprobe				Did material settle after 24 hours? ☐ Yes ☒ No ☐ N/A			
Formation Type:				If yes, was hole retopped? ☐ Yes ☐ No ☒ N/A			
☐ Unconsolidated Formation		☐ Bedrock		If bentonite chips were used, were they hydrated with water from a known safe source? ☒ Yes ☐ No ☐ N/A			
Total Well Depth From Ground Surface (ft.) 4		Casing Diameter (in.) 2		Required Method of Placing Sealing Material			
Lower Drillhole Diameter (in.) 2		Casing Depth (ft.) 2		☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped			
Was well annular space grouted? ☐ Yes ☐ No ☐ Unknown		Depth to Water (feet) _____		☐ Screened & Poured (Bentonite Chips) ☒ Other (Explain): Gravity			
If yes, to what depth (feet)? _____				Sealing Materials			
				☐ Neat Cement Grout ☐ Clay-Sand Slurry (11 lb./gal. wt.)			
				☐ Sand-Cement (Concrete) Grout ☐ Bentonite-Sand Slurry " "			
				☐ Concrete ☐ Bentonite Chips			
				For Monitoring Wells and Monitoring Well Boreholes Only:			
				☒ Bentonite Chips ☐ Bentonite - Cement Grout			
				☐ Granular Bentonite ☐ Bentonite - Sand Slurry			
5. Material Used To Fill Well / Drillhole				From (ft.)	To (ft.)	Pounds	
Medium Bentonite Chips				Surface	4	6	
6. Comments							
Geoprobe boring G-13 Abandoned by Geiss Soil & Samples, LLC under METCO supervision							
7. Supervision of Work				DNR Use Only			
Name of Person or Firm Doing Filling & Sealing Ron Anderson (METCO)		License # _____	Date of Filling & Sealing (mm/dd/yyyy) 11/22/2017	Date Received _____	Noted By _____		
Street or Route 709 Gillette Street, Suite 3		Telephone Number (608) 781-8879		Comments _____			
City La Crosse	State WI	ZIP Code 54603-	Signature of Person Doing Work <i>Ron Anderson</i>	Date Signed 12/6/17			

APPENDIX D/ WASTE DISPOSAL DOCUMENTATION

**A.7 Other
Shortville Store
Slug Test Calculations**

MW-1

	ft/s	cm/s	m/yr
K	6.37E-06	1.94E-04	61.23
	sq ft/s	sq cm/s	
T	6.04E-05	5.61E-02	

MW-2

	ft/s	cm/s	m/yr
K	7.69E-06	2.34E-04	73.92
	sq ft/s	sq cm/s	
T	7.61E-05	7.07E-02	

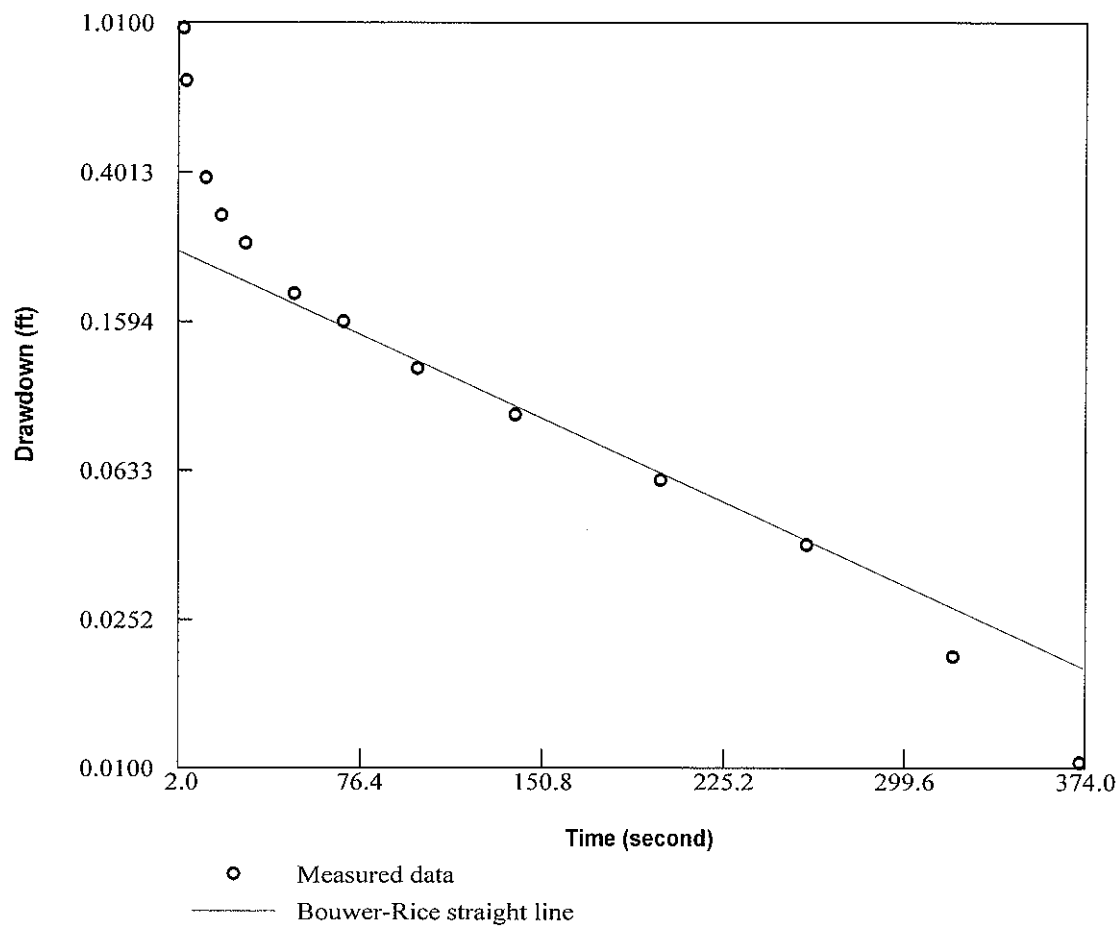
MW-4

	ft/s	cm/s	m/yr
K	8.44E-06	2.57E-04	81.13
	sq ft/s	sq cm/s	
T	7.56E-05	7.02E-02	

Date	Elv. (High)	Elv. (Low)	Distance (ft)	Hyd Grad (l)
7/20/2016	1004.50	1003.25	52	0.0240385
10/20/2016	1005.00	1004.25	110	0.0068182
1/19/2017	1005.25	1004.25	125	0.0080000
4/19/2017	1006.00	1004.75	139	0.0089928
7/19/2017	1005.25	1004.00	135	0.0092593
10/19/2017	1005.00	1004.00	67	0.0149254

Average 0.0120057

	K (m/yr)	l	n	Flow Velocity (m/yr)
MW-1	61.23	0.0120057	0.3	2.45036
MW-2	73.92	0.0120057	0.3	2.95820
MW-4	81.13	0.0120057	0.3	3.24674



Aquifer Parameters by the Bouwer and Rice Slug Test

Hydraulic Conductivity (ft/s):	6.37e-006
Transmissivity (sq ft/s):	6.04e-005

Shortville Store MW-1 Slug Out

Shortville Store
Monitoring Well MW-1 (Slug out)

Date/time	Pressure[ft	Temperature[°F]	Time (seconds)	Drawdown
7/20/2016 11:36	41.62784	54.14	0	0.30216
7/20/2016 11:36	40.91973	54.14	2	1.01027
7/20/2016 11:36	41.03073	54.14	4	0.89927
7/20/2016 11:36	41.21446	54.128	6	0.71554
7/20/2016 11:36	41.33886	54.116	8	0.59114
7/20/2016 11:36	41.43072	54.116	10	0.49928
7/20/2016 11:36	41.4977	54.116	12	0.4323
7/20/2016 11:36	41.54172	54.104	14	0.38828
7/20/2016 11:36	41.57234	54.104	16	0.35766
7/20/2016 11:36	41.59531	54.092	18	0.33469
7/20/2016 11:36	41.62019	54.092	20	0.30981
7/20/2016 11:36	41.63358	54.08	22	0.29642
7/20/2016 11:36	41.64507	54.08	24	0.28493
7/20/2016 11:36	41.65464	54.068	26	0.27536
7/20/2016 11:36	41.66612	54.068	28	0.26388
7/20/2016 11:36	41.67378	54.068	30	0.25622
7/20/2016 11:37	41.68143	54.056	32	0.24857
7/20/2016 11:37	41.69483	54.056	34	0.23517
7/20/2016 11:37	41.70057	54.044	36	0.22943
7/20/2016 11:37	41.70631	54.044	38	0.22369
7/20/2016 11:37	41.71205	54.044	40	0.21795
7/20/2016 11:37	41.71971	54.032	42	0.21029
7/20/2016 11:37	41.71971	54.032	44	0.21029
7/20/2016 11:37	41.72736	54.02	46	0.20264
7/20/2016 11:37	41.72736	54.02	48	0.20264
7/20/2016 11:37	41.73502	54.02	50	0.19498
7/20/2016 11:37	41.73693	54.008	52	0.19307
7/20/2016 11:37	41.73693	54.008	54	0.19307
7/20/2016 11:37	41.74459	54.008	56	0.18541
7/20/2016 11:37	41.75033	54.008	58	0.17967
7/20/2016 11:37	41.75033	53.996	60	0.17967
7/20/2016 11:37	41.75033	53.996	62	0.17967
7/20/2016 11:37	41.75607	53.996	64	0.17393
7/20/2016 11:37	41.76181	53.984	66	0.16819
7/20/2016 11:37	41.76181	53.984	68	0.16819
7/20/2016 11:37	41.76755	53.984	70	0.16245
7/20/2016 11:37	41.76755	53.972	72	0.16245
7/20/2016 11:37	41.77521	53.972	74	0.15479
7/20/2016 11:37	41.77521	53.972	76	0.15479
7/20/2016 11:37	41.78095	53.96	78	0.14905
7/20/2016 11:37	41.78095	53.96	80	0.14905
7/20/2016 11:37	41.78669	53.96	82	0.14331
7/20/2016 11:37	41.78669	53.948	84	0.14331
7/20/2016 11:37	41.79243	53.948	86	0.13757
7/20/2016 11:37	41.79243	53.948	88	0.13757
7/20/2016 11:37	41.79243	53.948	90	0.13757

Shortville Store
Monitoring Well MW-1 (Slug out)

7/20/2016 11:38	41.79243	53.936	92	0.13757
7/20/2016 11:38	41.79817	53.936	94	0.13183
7/20/2016 11:38	41.79817	53.936	96	0.13183
7/20/2016 11:38	41.80583	53.924	98	0.12417
7/20/2016 11:38	41.80583	53.924	100	0.12417
7/20/2016 11:38	41.80583	53.924	102	0.12417
7/20/2016 11:38	41.80583	53.924	104	0.12417
7/20/2016 11:38	41.81157	53.912	106	0.11843
7/20/2016 11:38	41.80583	53.912	108	0.12417
7/20/2016 11:38	41.81157	53.912	110	0.11843
7/20/2016 11:38	41.81731	53.9	112	0.11269
7/20/2016 11:38	41.81731	53.9	114	0.11269
7/20/2016 11:38	41.82305	53.9	116	0.10695
7/20/2016 11:38	41.82305	53.9	118	0.10695
7/20/2016 11:38	41.82305	53.888	120	0.10695
7/20/2016 11:38	41.83071	53.888	122	0.09929
7/20/2016 11:38	41.83071	53.888	124	0.09929
7/20/2016 11:38	41.83071	53.876	126	0.09929
7/20/2016 11:38	41.83071	53.888	128	0.09929
7/20/2016 11:38	41.83071	53.876	130	0.09929
7/20/2016 11:38	41.83071	53.876	132	0.09929
7/20/2016 11:38	41.83645	53.876	134	0.09355
7/20/2016 11:38	41.83071	53.876	136	0.09929
7/20/2016 11:38	41.83645	53.864	138	0.09355
7/20/2016 11:38	41.83645	53.864	140	0.09355
7/20/2016 11:38	41.83645	53.864	142	0.09355
7/20/2016 11:38	41.84219	53.852	144	0.08781
7/20/2016 11:38	41.84219	53.852	146	0.08781
7/20/2016 11:38	41.84219	53.852	148	0.08781
7/20/2016 11:38	41.84793	53.852	150	0.08207
7/20/2016 11:39	41.84793	53.84	152	0.08207
7/20/2016 11:39	41.85367	53.84	154	0.07633
7/20/2016 11:39	41.85367	53.84	156	0.07633
7/20/2016 11:39	41.85367	53.84	158	0.07633
7/20/2016 11:39	41.85367	53.828	160	0.07633
7/20/2016 11:39	41.85367	53.828	162	0.07633
7/20/2016 11:39	41.84793	53.828	164	0.08207
7/20/2016 11:39	41.85367	53.828	166	0.07633
7/20/2016 11:39	41.85176	53.816	168	0.07824
7/20/2016 11:39	41.8575	53.816	170	0.0725
7/20/2016 11:39	41.8575	53.816	172	0.0725
7/20/2016 11:39	41.8575	53.816	174	0.0725
7/20/2016 11:39	41.8575	53.816	176	0.0725
7/20/2016 11:39	41.86133	53.804	178	0.06867
7/20/2016 11:39	41.86133	53.804	180	0.06867
7/20/2016 11:39	41.86133	53.804	182	0.06867
7/20/2016 11:39	41.86707	53.804	184	0.06293

Shortville Store
Monitoring Well MW-1 (Slug out)

7/20/2016 11:39	41.86133	53.792	186	0.06867
7/20/2016 11:39	41.86707	53.792	188	0.06293
7/20/2016 11:39	41.87281	53.792	190	0.05719
7/20/2016 11:39	41.87281	53.792	192	0.05719
7/20/2016 11:39	41.87281	53.78	194	0.05719
7/20/2016 11:39	41.87281	53.78	196	0.05719
7/20/2016 11:39	41.87281	53.78	198	0.05719
7/20/2016 11:39	41.87281	53.78	200	0.05719
7/20/2016 11:39	41.87281	53.768	202	0.05719
7/20/2016 11:39	41.87281	53.768	204	0.05719
7/20/2016 11:39	41.87281	53.768	206	0.05719
7/20/2016 11:39	41.87855	53.768	208	0.05145
7/20/2016 11:39	41.87281	53.768	210	0.05719
7/20/2016 11:40	41.87855	53.756	212	0.05145
7/20/2016 11:40	41.87855	53.756	214	0.05145
7/20/2016 11:40	41.87855	53.756	216	0.05145
7/20/2016 11:40	41.87855	53.756	218	0.05145
7/20/2016 11:40	41.87855	53.756	220	0.05145
7/20/2016 11:40	41.87855	53.75	222	0.05145
7/20/2016 11:40	41.8843	53.75	224	0.0457
7/20/2016 11:40	41.8843	53.75	226	0.0457
7/20/2016 11:40	41.8843	53.75	228	0.0457
7/20/2016 11:40	41.8843	53.75	230	0.0457
7/20/2016 11:40	41.88812	53.738	232	0.04188
7/20/2016 11:40	41.88812	53.738	234	0.04188
7/20/2016 11:40	41.88238	53.738	236	0.04762
7/20/2016 11:40	41.88238	53.738	238	0.04762
7/20/2016 11:40	41.88238	53.738	240	0.04762
7/20/2016 11:40	41.8843	53.726	242	0.0457
7/20/2016 11:40	41.89195	53.726	244	0.03805
7/20/2016 11:40	41.89195	53.726	246	0.03805
7/20/2016 11:40	41.89195	53.726	248	0.03805
7/20/2016 11:40	41.89195	53.726	250	0.03805
7/20/2016 11:40	41.89195	53.714	252	0.03805
7/20/2016 11:40	41.89195	53.714	254	0.03805
7/20/2016 11:40	41.89195	53.714	256	0.03805
7/20/2016 11:40	41.89195	53.714	258	0.03805
7/20/2016 11:40	41.89195	53.702	260	0.03805
7/20/2016 11:40	41.89195	53.702	262	0.03805
7/20/2016 11:40	41.89195	53.702	264	0.03805
7/20/2016 11:40	41.89769	53.702	266	0.03231
7/20/2016 11:40	41.89769	53.702	268	0.03231
7/20/2016 11:40	41.89769	53.702	270	0.03231
7/20/2016 11:41	41.89769	53.69	272	0.03231
7/20/2016 11:41	41.90343	53.69	274	0.02657
7/20/2016 11:41	41.90343	53.69	276	0.02657
7/20/2016 11:41	41.89769	53.69	278	0.03231

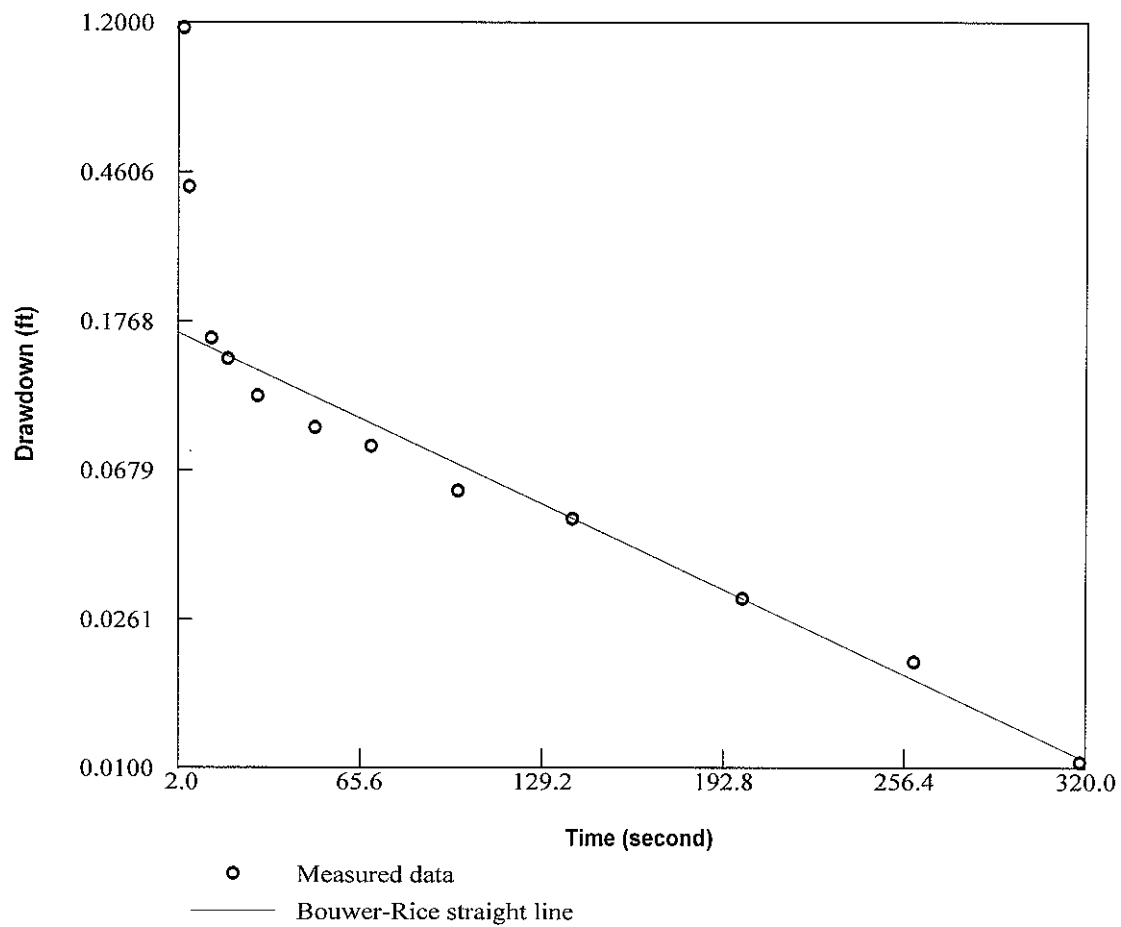
Shortville Store
Monitoring Well MW-1 (Slug out)

7/20/2016 11:41	41.90343	53.69	280	0.02657
7/20/2016 11:41	41.89769	53.678	282	0.03231
7/20/2016 11:41	41.89769	53.678	284	0.03231
7/20/2016 11:41	41.90343	53.678	286	0.02657
7/20/2016 11:41	41.90343	53.678	288	0.02657
7/20/2016 11:41	41.90343	53.678	290	0.02657
7/20/2016 11:41	41.90343	53.678	292	0.02657
7/20/2016 11:41	41.90343	53.666	294	0.02657
7/20/2016 11:41	41.90343	53.666	296	0.02657
7/20/2016 11:41	41.90918	53.666	298	0.02082
7/20/2016 11:41	41.90918	53.666	300	0.02082
7/20/2016 11:41	41.90343	53.666	302	0.02657
7/20/2016 11:41	41.90343	53.654	304	0.02657
7/20/2016 11:41	41.90343	53.654	306	0.02657
7/20/2016 11:41	41.90918	53.654	308	0.02082
7/20/2016 11:41	41.90918	53.654	310	0.02082
7/20/2016 11:41	41.90918	53.654	312	0.02082
7/20/2016 11:41	41.90918	53.642	314	0.02082
7/20/2016 11:41	41.90918	53.642	316	0.02082
7/20/2016 11:41	41.90918	53.642	318	0.02082
7/20/2016 11:41	41.90918	53.642	320	0.02082
7/20/2016 11:41	41.90918	53.642	322	0.02082
7/20/2016 11:41	41.90918	53.642	324	0.02082
7/20/2016 11:41	41.90918	53.63	326	0.02082
7/20/2016 11:41	41.90918	53.63	328	0.02082
7/20/2016 11:41	41.90918	53.63	330	0.02082
7/20/2016 11:42	41.90918	53.63	332	0.02082
7/20/2016 11:42	41.90918	53.63	334	0.02082
7/20/2016 11:42	41.90918	53.618	336	0.02082
7/20/2016 11:42	41.90918	53.618	338	0.02082
7/20/2016 11:42	41.90918	53.618	340	0.02082
7/20/2016 11:42	41.91492	53.618	342	0.01508
7/20/2016 11:42	41.90918	53.618	344	0.02082
7/20/2016 11:42	41.91492	53.618	346	0.01508
7/20/2016 11:42	41.90918	53.606	348	0.02082
7/20/2016 11:42	41.91492	53.618	350	0.01508
7/20/2016 11:42	41.91492	53.606	352	0.01508
7/20/2016 11:42	41.91492	53.606	354	0.01508
7/20/2016 11:42	41.91492	53.606	356	0.01508
7/20/2016 11:42	41.91492	53.606	358	0.01508
7/20/2016 11:42	41.91492	53.606	360	0.01508
7/20/2016 11:42	41.91492	53.594	362	0.01508
7/20/2016 11:42	41.91492	53.594	364	0.01508
7/20/2016 11:42	41.91492	53.594	366	0.01508
7/20/2016 11:42	41.91492	53.594	368	0.01508
7/20/2016 11:42	41.91492	53.594	370	0.01508
7/20/2016 11:42	41.91492	53.594	372	0.01508

Shortville Store
Monitoring Well MW-1 (Slug out)

7/20/2016 11:42	41.92257	53.582	374	0.00743
7/20/2016 11:42	41.91492	53.582	376	0.01508
7/20/2016 11:42	41.91492	53.582	378	0.01508
7/20/2016 11:42	41.91492	53.582	380	0.01508
7/20/2016 11:42	41.91492	53.582	382	0.01508
7/20/2016 11:42	41.92257	53.57	384	0.00743
7/20/2016 11:42	41.91492	53.57	386	0.01508
7/20/2016 11:42	41.91492	53.57	388	0.01508
7/20/2016 11:42	41.92257	53.57	390	0.00743
7/20/2016 11:43	41.92257	53.57	392	0.00743
7/20/2016 11:43	41.92257	53.57	394	0.00743
7/20/2016 11:43	41.92257	53.57	396	0.00743
7/20/2016 11:43	41.92257	53.558	398	0.00743
7/20/2016 11:43	41.91492	53.558	400	0.01508
7/20/2016 11:43	41.92257	53.558	402	0.00743
7/20/2016 11:43	41.92257	53.558	404	0.00743
7/20/2016 11:43	41.92257	53.558	406	0.00743
7/20/2016 11:43	41.91492	53.558	408	0.01508
7/20/2016 11:43	41.92257	53.546	410	0.00743
7/20/2016 11:43	41.92257	53.546	412	0.00743
7/20/2016 11:43	41.92257	53.546	414	0.00743
7/20/2016 11:43	41.92257	53.546	416	0.00743
7/20/2016 11:43	41.92257	53.546	418	0.00743
7/20/2016 11:43	41.92257	53.546	420	0.00743
7/20/2016 11:43	41.92257	53.546	422	0.00743
7/20/2016 11:43	41.92257	53.534	424	0.00743
7/20/2016 11:43	41.92257	53.534	426	0.00743
7/20/2016 11:43	41.92257	53.534	428	0.00743
7/20/2016 11:43	41.92257	53.534	430	0.00743
7/20/2016 11:43	41.92257	53.534	432	0.00743
7/20/2016 11:43	41.92831	53.534	434	0.00169

END OF DATA FILE OF DATALOGGER FOR WINDOWS



Aquifer Parameters by the Bouwer and Rice Slug Test

Hydraulic Conductivity (ft/s):	7.69e-006
Transmissivity (sq ft/s):	7.61e-005

Shortville Store MW-2 Slug Out

Shortville Store
Monitoring Well MW-2 (Slug Out)

Date/time	Pressure[ft	Temperature[°F]	Time (seconds)	Drawdown
7/20/2016 11:04	42.31299	52.28	0	0.01701
7/20/2016 11:04	41.13216	52.28	2	1.19784
7/20/2016 11:04	41.62976	52.28	4	0.70024
7/20/2016 11:04	41.913	52.28	6	0.417
7/20/2016 11:04	42.06037	52.28	8	0.26963
7/20/2016 11:04	42.12161	52.28	10	0.20839
7/20/2016 11:04	42.15032	52.268	12	0.17968
7/20/2016 11:04	42.16754	52.268	14	0.16246
7/20/2016 11:04	42.18094	52.268	16	0.14906
7/20/2016 11:04	42.19242	52.268	18	0.13758
7/20/2016 11:04	42.19242	52.268	20	0.13758
7/20/2016 11:04	42.2039	52.268	22	0.1261
7/20/2016 11:04	42.2039	52.268	24	0.1261
7/20/2016 11:04	42.21156	52.268	26	0.11844
7/20/2016 11:04	42.2173	52.256	28	0.1127
7/20/2016 11:04	42.2173	52.256	30	0.1127
7/20/2016 11:04	42.2173	52.256	32	0.1127
7/20/2016 11:04	42.22304	52.256	34	0.10696
7/20/2016 11:04	42.22878	52.256	36	0.10122
7/20/2016 11:04	42.22878	52.256	38	0.10122
7/20/2016 11:04	42.22878	52.256	40	0.10122
7/20/2016 11:04	42.23453	52.256	42	0.09547
7/20/2016 11:04	42.23453	52.256	44	0.09547
7/20/2016 11:04	42.24218	52.256	46	0.08782
7/20/2016 11:04	42.24409	52.25	48	0.08591
7/20/2016 11:04	42.23835	52.25	50	0.09165
7/20/2016 11:05	42.24409	52.25	52	0.08591
7/20/2016 11:05	42.24409	52.25	54	0.08591
7/20/2016 11:05	42.24409	52.25	56	0.08591
7/20/2016 11:05	42.24984	52.25	58	0.08016
7/20/2016 11:05	42.24409	52.25	60	0.08591
7/20/2016 11:05	42.24984	52.25	62	0.08016
7/20/2016 11:05	42.24984	52.25	64	0.08016
7/20/2016 11:05	42.24984	52.25	66	0.08016
7/20/2016 11:05	42.24984	52.25	68	0.08016
7/20/2016 11:05	42.24984	52.25	70	0.08016
7/20/2016 11:05	42.24984	52.25	72	0.08016
7/20/2016 11:05	42.25749	52.25	74	0.07251
7/20/2016 11:05	42.25749	52.25	76	0.07251
7/20/2016 11:05	42.25749	52.25	78	0.07251
7/20/2016 11:05	42.25749	52.25	80	0.07251
7/20/2016 11:05	42.25749	52.25	82	0.07251
7/20/2016 11:05	42.25749	52.25	84	0.07251
7/20/2016 11:05	42.25366	52.256	86	0.07634
7/20/2016 11:05	42.25941	52.268	88	0.07059
7/20/2016 11:05	42.25941	52.268	90	0.07059

Shortville Store
Monitoring Well MW-2 (Slug Out)

7/20/2016 11:05	42.25366	52.268	92	0.07634
7/20/2016 11:05	42.26323	52.28	94	0.06677
7/20/2016 11:05	42.25941	52.292	96	0.07059
7/20/2016 11:05	42.26706	52.304	98	0.06294
7/20/2016 11:05	42.26706	52.304	100	0.06294
7/20/2016 11:05	42.26706	52.316	102	0.06294
7/20/2016 11:05	42.26323	52.328	104	0.06677
7/20/2016 11:05	42.26897	52.328	106	0.06103
7/20/2016 11:05	42.26706	52.34	108	0.06294
7/20/2016 11:05	42.26706	52.352	110	0.06294
7/20/2016 11:06	42.26706	52.352	112	0.06294
7/20/2016 11:06	42.26706	52.364	114	0.06294
7/20/2016 11:06	42.2728	52.364	116	0.0572
7/20/2016 11:06	42.27472	52.376	118	0.05528
7/20/2016 11:06	42.27472	52.388	120	0.05528
7/20/2016 11:06	42.27472	52.388	122	0.05528
7/20/2016 11:06	42.2728	52.4	124	0.0572
7/20/2016 11:06	42.2728	52.412	126	0.0572
7/20/2016 11:06	42.2728	52.424	128	0.0572
7/20/2016 11:06	42.28046	52.436	130	0.04954
7/20/2016 11:06	42.28046	52.436	132	0.04954
7/20/2016 11:06	42.27854	52.448	134	0.05146
7/20/2016 11:06	42.27854	52.448	136	0.05146
7/20/2016 11:06	42.27854	52.46	138	0.05146
7/20/2016 11:06	42.27854	52.472	140	0.05146
7/20/2016 11:06	42.27854	52.472	142	0.05146
7/20/2016 11:06	42.27472	52.484	144	0.05528
7/20/2016 11:06	42.28046	52.484	146	0.04954
7/20/2016 11:06	42.27854	52.496	148	0.05146
7/20/2016 11:06	42.27854	52.496	150	0.05146
7/20/2016 11:06	42.27854	52.508	152	0.05146
7/20/2016 11:06	42.27854	52.508	154	0.05146
7/20/2016 11:06	42.28428	52.52	156	0.04572
7/20/2016 11:06	42.28428	52.52	158	0.04572
7/20/2016 11:06	42.28046	52.532	160	0.04954
7/20/2016 11:06	42.28046	52.532	162	0.04954
7/20/2016 11:06	42.28811	52.532	164	0.04189
7/20/2016 11:06	42.28428	52.544	166	0.04572
7/20/2016 11:06	42.28428	52.544	168	0.04572
7/20/2016 11:06	42.28428	52.544	170	0.04572
7/20/2016 11:07	42.29003	52.556	172	0.03997
7/20/2016 11:07	42.28428	52.556	174	0.04572
7/20/2016 11:07	42.29003	52.568	176	0.03997
7/20/2016 11:07	42.29003	52.568	178	0.03997
7/20/2016 11:07	42.29003	52.568	180	0.03997
7/20/2016 11:07	42.29003	52.568	182	0.03997
7/20/2016 11:07	42.29003	52.568	184	0.03997

Shortville Store
Monitoring Well MW-2 (Slug Out)

7/20/2016 11:07	42.29385	52.58	186	0.03615
7/20/2016 11:07	42.2996	52.58	188	0.0304
7/20/2016 11:07	42.29385	52.58	190	0.03615
7/20/2016 11:07	42.29385	52.58	192	0.03615
7/20/2016 11:07	42.2996	52.592	194	0.0304
7/20/2016 11:07	42.29385	52.592	196	0.03615
7/20/2016 11:07	42.2996	52.592	198	0.0304
7/20/2016 11:07	42.2996	52.592	200	0.0304
7/20/2016 11:07	42.2996	52.592	202	0.0304
7/20/2016 11:07	42.29385	52.592	204	0.03615
7/20/2016 11:07	42.29385	52.592	206	0.03615
7/20/2016 11:07	42.2996	52.592	208	0.0304
7/20/2016 11:07	42.2996	52.592	210	0.0304
7/20/2016 11:07	42.2996	52.592	212	0.0304
7/20/2016 11:07	42.2996	52.592	214	0.0304
7/20/2016 11:07	42.29003	52.604	216	0.03997
7/20/2016 11:07	42.29768	52.604	218	0.03232
7/20/2016 11:07	42.29768	52.604	220	0.03232
7/20/2016 11:07	42.2996	52.592	222	0.0304
7/20/2016 11:07	42.29768	52.604	224	0.03232
7/20/2016 11:07	42.29768	52.604	226	0.03232
7/20/2016 11:07	42.29768	52.604	228	0.03232
7/20/2016 11:07	42.29768	52.604	230	0.03232
7/20/2016 11:08	42.30342	52.604	232	0.02658
7/20/2016 11:08	42.30534	52.592	234	0.02466
7/20/2016 11:08	42.30534	52.592	236	0.02466
7/20/2016 11:08	42.30534	52.592	238	0.02466
7/20/2016 11:08	42.2996	52.592	240	0.0304
7/20/2016 11:08	42.30534	52.592	242	0.02466
7/20/2016 11:08	42.30534	52.592	244	0.02466
7/20/2016 11:08	42.30534	52.592	246	0.02466
7/20/2016 11:08	42.30534	52.592	248	0.02466
7/20/2016 11:08	42.30534	52.58	250	0.02466
7/20/2016 11:08	42.30534	52.592	252	0.02466
7/20/2016 11:08	42.30534	52.592	254	0.02466
7/20/2016 11:08	42.30534	52.58	256	0.02466
7/20/2016 11:08	42.31299	52.58	258	0.01701
7/20/2016 11:08	42.30534	52.58	260	0.02466
7/20/2016 11:08	42.30534	52.58	262	0.02466
7/20/2016 11:08	42.31299	52.58	264	0.01701
7/20/2016 11:08	42.31299	52.58	266	0.01701
7/20/2016 11:08	42.31299	52.58	268	0.01701
7/20/2016 11:08	42.31299	52.58	270	0.01701
7/20/2016 11:08	42.31299	52.58	272	0.01701
7/20/2016 11:08	42.30916	52.568	274	0.02084
7/20/2016 11:08	42.30916	52.568	276	0.02084
7/20/2016 11:08	42.30916	52.568	278	0.02084

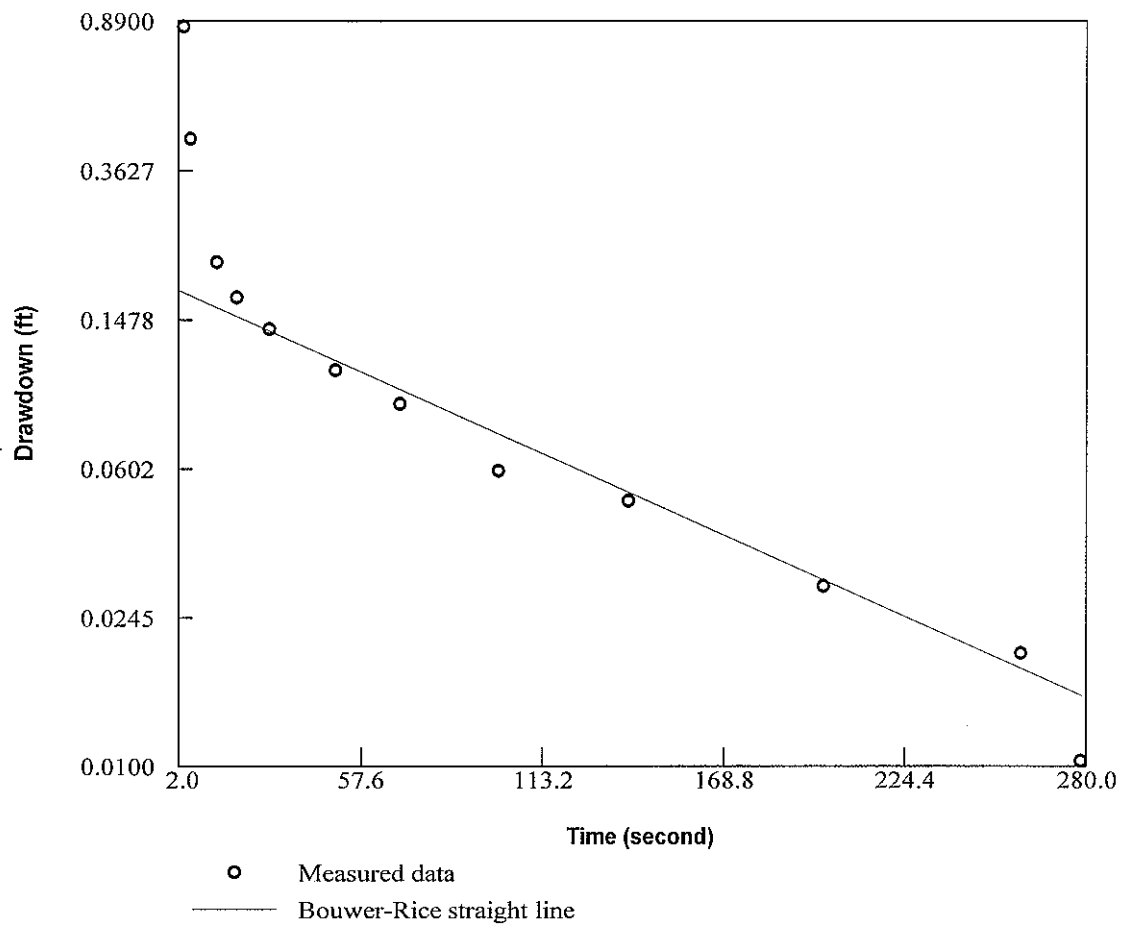
Shortville Store
Monitoring Well MW-2 (Slug Out)

7/20/2016 11:08	42.30916	52.568	280	0.02084
7/20/2016 11:08	42.30916	52.568	282	0.02084
7/20/2016 11:08	42.30916	52.556	284	0.02084
7/20/2016 11:08	42.31491	52.556	286	0.01509
7/20/2016 11:08	42.30916	52.556	288	0.02084
7/20/2016 11:08	42.31491	52.556	290	0.01509
7/20/2016 11:09	42.31491	52.556	292	0.01509
7/20/2016 11:09	42.31491	52.556	294	0.01509
7/20/2016 11:09	42.31491	52.556	296	0.01509
7/20/2016 11:09	42.30916	52.556	298	0.02084
7/20/2016 11:09	42.31491	52.556	300	0.01509
7/20/2016 11:09	42.31491	52.544	302	0.01509
7/20/2016 11:09	42.31491	52.544	304	0.01509
7/20/2016 11:09	42.30916	52.544	306	0.02084
7/20/2016 11:09	42.31491	52.544	308	0.01509
7/20/2016 11:09	42.31491	52.544	310	0.01509
7/20/2016 11:09	42.31491	52.544	312	0.01509
7/20/2016 11:09	42.31299	52.532	314	0.01701
7/20/2016 11:09	42.30916	52.544	316	0.02084
7/20/2016 11:09	42.31299	52.532	318	0.01701
7/20/2016 11:09	42.31873	52.532	320	0.01127
7/20/2016 11:09	42.31873	52.532	322	0.01127
7/20/2016 11:09	42.31873	52.532	324	0.01127
7/20/2016 11:09	42.31873	52.532	326	0.01127
7/20/2016 11:09	42.31299	52.532	328	0.01701
7/20/2016 11:09	42.31873	52.532	330	0.01127
7/20/2016 11:09	42.31491	52.52	332	0.01509
7/20/2016 11:09	42.31491	52.52	334	0.01509
7/20/2016 11:09	42.30916	52.52	336	0.02084
7/20/2016 11:09	42.31491	52.52	338	0.01509
7/20/2016 11:09	42.31491	52.52	340	0.01509
7/20/2016 11:09	42.32065	52.52	342	0.00935
7/20/2016 11:09	42.32065	52.508	344	0.00935
7/20/2016 11:09	42.32065	52.508	346	0.00935
7/20/2016 11:09	42.31491	52.508	348	0.01509
7/20/2016 11:09	42.31491	52.508	350	0.01509
7/20/2016 11:10	42.31491	52.508	352	0.01509
7/20/2016 11:10	42.31491	52.508	354	0.01509
7/20/2016 11:10	42.31491	52.508	356	0.01509
7/20/2016 11:10	42.31491	52.508	358	0.01509
7/20/2016 11:10	42.31491	52.496	360	0.01509
7/20/2016 11:10	42.31491	52.496	362	0.01509
7/20/2016 11:10	42.31491	52.496	364	0.01509
7/20/2016 11:10	42.32065	52.496	366	0.00935
7/20/2016 11:10	42.32065	52.496	368	0.00935
7/20/2016 11:10	42.32065	52.496	370	0.00935
7/20/2016 11:10	42.31873	52.484	372	0.01127

Shortville Store
Monitoring Well MW-2 (Slug Out)

7/20/2016 11:10	42.32448	52.484	374	0.00552
7/20/2016 11:10	42.32448	52.484	376	0.00552
7/20/2016 11:10	42.32448	52.484	378	0.00552
7/20/2016 11:10	42.32448	52.484	380	0.00552
7/20/2016 11:10	42.32448	52.484	382	0.00552
7/20/2016 11:10	42.32448	52.484	384	0.00552
7/20/2016 11:10	42.32448	52.484	386	0.00552
7/20/2016 11:10	42.32065	52.472	388	0.00935
7/20/2016 11:10	42.32065	52.472	390	0.00935
7/20/2016 11:10	42.32065	52.472	392	0.00935
7/20/2016 11:10	42.32065	52.472	394	0.00935
7/20/2016 11:10	42.32065	52.472	396	0.00935
7/20/2016 11:10	42.3283	52.46	398	0.0017
7/20/2016 11:10	42.32065	52.472	400	0.00935
7/20/2016 11:10	42.3283	52.46	402	0.0017

END OF DATA FILE OF DATALOGGER FOR WINDOWS



Aquifer Parameters by the Bouwer and Rice Slug Test

Hydraulic Conductivity (ft/s):	8.44e-006
Transmissivity (sq ft/s):	7.56e-005

Shortville Store MW-4 Slug Out

Shortville Store
Monitoring Well MW-4 (Slug Out)

Date/time	Pressure[ft	Temperature[°F]	Time (seconds)	Drawdown
7/20/2016 10:26	41.31015	50.63	0	0.07015
7/20/2016 10:26	40.35132	50.63	2	0.88868
7/20/2016 10:26	40.49295	50.618	4	0.74705
7/20/2016 10:26	40.80107	50.618	6	0.43893
7/20/2016 10:26	40.9293	50.618	8	0.3107
7/20/2016 10:26	40.9848	50.618	10	0.2552
7/20/2016 10:26	41.01542	50.618	12	0.22458
7/20/2016 10:26	41.03456	50.618	14	0.20544
7/20/2016 10:26	41.0403	50.606	16	0.1997
7/20/2016 10:26	41.05944	50.618	18	0.18056
7/20/2016 10:26	41.06518	50.606	20	0.17482
7/20/2016 10:26	41.07666	50.606	22	0.16334
7/20/2016 10:26	41.07666	50.606	24	0.16334
7/20/2016 10:26	41.0824	50.606	26	0.1576
7/20/2016 10:26	41.09006	50.606	28	0.14994
7/20/2016 10:26	41.0958	50.606	30	0.1442
7/20/2016 10:26	41.10154	50.606	32	0.13846
7/20/2016 10:26	41.10154	50.606	34	0.13846
7/20/2016 10:26	41.10728	50.606	36	0.13272
7/20/2016 10:26	41.10728	50.606	38	0.13272
7/20/2016 10:26	41.11494	50.606	40	0.12506
7/20/2016 10:26	41.11494	50.606	42	0.12506
7/20/2016 10:26	41.12068	50.606	44	0.11932
7/20/2016 10:27	41.12068	50.606	46	0.11932
7/20/2016 10:27	41.12068	50.606	48	0.11932
7/20/2016 10:27	41.12642	50.606	50	0.11358
7/20/2016 10:27	41.12642	50.606	52	0.11358
7/20/2016 10:27	41.12642	50.606	54	0.11358
7/20/2016 10:27	41.13216	50.606	56	0.10784
7/20/2016 10:27	41.1379	50.606	58	0.1021
7/20/2016 10:27	41.1379	50.606	60	0.1021
7/20/2016 10:27	41.14556	50.606	62	0.09444
7/20/2016 10:27	41.1379	50.606	64	0.1021
7/20/2016 10:27	41.1379	50.606	66	0.1021
7/20/2016 10:27	41.1379	50.606	68	0.1021
7/20/2016 10:27	41.14556	50.606	70	0.09444
7/20/2016 10:27	41.14556	50.606	72	0.09444
7/20/2016 10:27	41.1513	50.606	74	0.0887
7/20/2016 10:27	41.1513	50.618	76	0.0887
7/20/2016 10:27	41.15704	50.606	78	0.08296
7/20/2016 10:27	41.15704	50.606	80	0.08296
7/20/2016 10:27	41.15704	50.606	82	0.08296
7/20/2016 10:27	41.16278	50.606	84	0.07722
7/20/2016 10:27	41.16278	50.618	86	0.07722
7/20/2016 10:27	41.15704	50.618	88	0.08296
7/20/2016 10:27	41.16278	50.606	90	0.07722

Shortville Store
Monitoring Well MW-4 (Slug Out)

7/20/2016 10:27	41.16278	50.618	92	0.07722
7/20/2016 10:27	41.16853	50.618	94	0.07147
7/20/2016 10:27	41.16853	50.618	96	0.07147
7/20/2016 10:27	41.16853	50.618	98	0.07147
7/20/2016 10:27	41.17618	50.618	100	0.06382
7/20/2016 10:27	41.17618	50.606	102	0.06382
7/20/2016 10:27	41.17618	50.606	104	0.06382
7/20/2016 10:28	41.17618	50.606	106	0.06382
7/20/2016 10:28	41.17618	50.618	108	0.06382
7/20/2016 10:28	41.18192	50.618	110	0.05808
7/20/2016 10:28	41.18192	50.606	112	0.05808
7/20/2016 10:28	41.18192	50.618	114	0.05808
7/20/2016 10:28	41.18192	50.618	116	0.05808
7/20/2016 10:28	41.18766	50.618	118	0.05234
7/20/2016 10:28	41.18766	50.618	120	0.05234
7/20/2016 10:28	41.18766	50.618	122	0.05234
7/20/2016 10:28	41.18766	50.618	124	0.05234
7/20/2016 10:28	41.18766	50.618	126	0.05234
7/20/2016 10:28	41.19341	50.618	128	0.04659
7/20/2016 10:28	41.18766	50.618	130	0.05234
7/20/2016 10:28	41.18766	50.618	132	0.05234
7/20/2016 10:28	41.19341	50.618	134	0.04659
7/20/2016 10:28	41.18766	50.618	136	0.05234
7/20/2016 10:28	41.18766	50.618	138	0.05234
7/20/2016 10:28	41.19341	50.618	140	0.04659
7/20/2016 10:28	41.19341	50.618	142	0.04659
7/20/2016 10:28	41.19341	50.618	144	0.04659
7/20/2016 10:28	41.19341	50.618	146	0.04659
7/20/2016 10:28	41.19341	50.618	148	0.04659
7/20/2016 10:28	41.19915	50.618	150	0.04085
7/20/2016 10:28	41.19915	50.618	152	0.04085
7/20/2016 10:28	41.19915	50.618	154	0.04085
7/20/2016 10:28	41.19341	50.618	156	0.04659
7/20/2016 10:28	41.19915	50.618	158	0.04085
7/20/2016 10:28	41.19915	50.618	160	0.04085
7/20/2016 10:28	41.19915	50.618	162	0.04085
7/20/2016 10:28	41.19915	50.618	164	0.04085
7/20/2016 10:29	41.19915	50.618	166	0.04085
7/20/2016 10:29	41.19915	50.618	168	0.04085
7/20/2016 10:29	41.19915	50.618	170	0.04085
7/20/2016 10:29	41.19915	50.618	172	0.04085
7/20/2016 10:29	41.2068	50.618	174	0.0332
7/20/2016 10:29	41.2068	50.618	176	0.0332
7/20/2016 10:29	41.2068	50.618	178	0.0332
7/20/2016 10:29	41.2068	50.618	180	0.0332
7/20/2016 10:29	41.2068	50.618	182	0.0332
7/20/2016 10:29	41.21254	50.618	184	0.02746

Shortville Store
Monitoring Well MW-4 (Slug Out)

7/20/2016 10:29	41.2068	50.618	186	0.0332
7/20/2016 10:29	41.2068	50.618	188	0.0332
7/20/2016 10:29	41.21254	50.618	190	0.02746
7/20/2016 10:29	41.2068	50.618	192	0.0332
7/20/2016 10:29	41.21254	50.618	194	0.02746
7/20/2016 10:29	41.2068	50.618	196	0.0332
7/20/2016 10:29	41.2068	50.618	198	0.0332
7/20/2016 10:29	41.2068	50.618	200	0.0332
7/20/2016 10:29	41.2068	50.618	202	0.0332
7/20/2016 10:29	41.21254	50.618	204	0.02746
7/20/2016 10:29	41.21254	50.618	206	0.02746
7/20/2016 10:29	41.2068	50.618	208	0.0332
7/20/2016 10:29	41.21254	50.618	210	0.02746
7/20/2016 10:29	41.21254	50.618	212	0.02746
7/20/2016 10:29	41.21254	50.618	214	0.02746
7/20/2016 10:29	41.21254	50.618	216	0.02746
7/20/2016 10:29	41.21254	50.618	218	0.02746
7/20/2016 10:29	41.21254	50.618	220	0.02746
7/20/2016 10:29	41.21829	50.618	222	0.02171
7/20/2016 10:29	41.21254	50.63	224	0.02746
7/20/2016 10:30	41.21254	50.618	226	0.02746
7/20/2016 10:30	41.21254	50.63	228	0.02746
7/20/2016 10:30	41.21829	50.63	230	0.02171
7/20/2016 10:30	41.21829	50.63	232	0.02171
7/20/2016 10:30	41.21829	50.63	234	0.02171
7/20/2016 10:30	41.21829	50.63	236	0.02171
7/20/2016 10:30	41.21829	50.63	238	0.02171
7/20/2016 10:30	41.21829	50.63	240	0.02171
7/20/2016 10:30	41.21829	50.63	242	0.02171
7/20/2016 10:30	41.21829	50.63	244	0.02171
7/20/2016 10:30	41.21829	50.63	246	0.02171
7/20/2016 10:30	41.21829	50.63	248	0.02171
7/20/2016 10:30	41.21829	50.63	250	0.02171
7/20/2016 10:30	41.21829	50.63	252	0.02171
7/20/2016 10:30	41.21829	50.63	254	0.02171
7/20/2016 10:30	41.21829	50.63	256	0.02171
7/20/2016 10:30	41.21829	50.63	258	0.02171
7/20/2016 10:30	41.21829	50.63	260	0.02171
7/20/2016 10:30	41.21829	50.63	262	0.02171
7/20/2016 10:30	41.22403	50.63	264	0.01597
7/20/2016 10:30	41.22403	50.63	266	0.01597
7/20/2016 10:30	41.22403	50.63	268	0.01597
7/20/2016 10:30	41.22403	50.63	270	0.01597
7/20/2016 10:30	41.21829	50.63	272	0.02171
7/20/2016 10:30	41.22403	50.63	274	0.01597
7/20/2016 10:30	41.22403	50.63	276	0.01597
7/20/2016 10:30	41.22403	50.63	278	0.01597

Shortville Store
Monitoring Well MW-4 (Slug Out)

7/20/2016 10:30	41.22977	50.63	280	0.01023
7/20/2016 10:30	41.22403	50.63	282	0.01597
7/20/2016 10:30	41.22403	50.63	284	0.01597
7/20/2016 10:31	41.22403	50.63	286	0.01597
7/20/2016 10:31	41.22977	50.63	288	0.01023
7/20/2016 10:31	41.22403	50.63	290	0.01597
7/20/2016 10:31	41.22977	50.63	292	0.01023
7/20/2016 10:31	41.22403	50.63	294	0.01597
7/20/2016 10:31	41.22403	50.63	296	0.01597
7/20/2016 10:31	41.22977	50.63	298	0.01023
7/20/2016 10:31	41.22977	50.63	300	0.01023
7/20/2016 10:31	41.22403	50.63	302	0.01597
7/20/2016 10:31	41.22977	50.63	304	0.01023
7/20/2016 10:31	41.22977	50.63	306	0.01023
7/20/2016 10:31	41.22977	50.63	308	0.01023
7/20/2016 10:31	41.22977	50.63	310	0.01023
7/20/2016 10:31	41.22977	50.63	312	0.01023
7/20/2016 10:31	41.22977	50.63	314	0.01023
7/20/2016 10:31	41.23742	50.63	316	0.00258
7/20/2016 10:31	41.22977	50.63	318	0.01023
7/20/2016 10:31	41.23742	50.63	320	0.00258
7/20/2016 10:31	41.23742	50.63	322	0.00258
7/20/2016 10:31	41.22977	50.63	324	0.01023
7/20/2016 10:31	41.22977	50.63	326	0.01023
7/20/2016 10:31	41.22785	50.642	328	0.01215
7/20/2016 10:31	41.22785	50.642	330	0.01215
7/20/2016 10:31	41.22977	50.63	332	0.01023
7/20/2016 10:31	41.22977	50.63	334	0.01023
7/20/2016 10:31	41.23742	50.63	336	0.00258
7/20/2016 10:31	41.22977	50.63	338	0.01023
7/20/2016 10:31	41.23742	50.63	340	0.00258
7/20/2016 10:31	41.23742	50.63	342	0.00258
7/20/2016 10:31	41.23742	50.63	344	0.00258
7/20/2016 10:32	41.23742	50.63	346	0.00258
7/20/2016 10:32	41.22977	50.63	348	0.01023
7/20/2016 10:32	41.23742	50.63	350	0.00258
7/20/2016 10:32	41.22977	50.63	352	0.01023
7/20/2016 10:32	41.23742	50.63	354	0.00258
7/20/2016 10:32	41.22977	50.63	356	0.01023
7/20/2016 10:32	41.23742	50.63	358	0.00258
7/20/2016 10:32	41.2336	50.642	360	0.0064
7/20/2016 10:32	41.2336	50.642	362	0.0064
7/20/2016 10:32	41.2336	50.642	364	0.0064
7/20/2016 10:32	41.2336	50.642	366	0.0064
7/20/2016 10:32	41.23742	50.63	368	0.00258
7/20/2016 10:32	41.2336	50.642	370	0.0064
7/20/2016 10:32	41.2336	50.642	372	0.0064

Shortville Store
Monitoring Well MW-4 (Slug Out)

7/20/2016 10:32	41.23742	50.63	374	0.00258
7/20/2016 10:32	41.2336	50.642	376	0.0064
7/20/2016 10:32	41.2336	50.642	378	0.0064
7/20/2016 10:32	41.23742	50.63	380	0.00258
7/20/2016 10:32	41.24316	50.63	382	0.00316
7/20/2016 10:32	41.24316	50.63	384	0.00316
7/20/2016 10:32	41.24316	50.63	386	0.00316
7/20/2016 10:32	41.23742	50.63	388	0.00258

END OF DATA FILE OF DATALOGGER FOR WINDOWS

LUST and Petroleum Analytical and QA Guidance
July 1993 Revision

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

Abbreviations:

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

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

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

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

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

PCBs - Polychlorinated Biphenyls

Pb - Lead

SYNERGY ENVIRONMENTAL LAB – Sample Bottle Requirements

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

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

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

HDPE = High Density Polyethylene.

SYNERGY ENVIRONMENTAL LAB – Sample Bottle Requirements

TABLE 2
SAMPLE & PRESERVATION REQUIREMENTS FOR SOIL SAMPLES

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

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

Residential setting. Not-To-Exceed D-C RCLs from web-calculator at: http://epa-jrgs.ornl.gov/cgi-bin/chemicals/csl_search (Chicago as climatic zone).
 Not-to-Exceed D-C RCL defaults to 100,000 mg/kg if web-calculator result or Csat exceeds 10% by weight (the ceiling limit concentration defined in EPA RSL Users Guide).
 Basis: ca = cancer; nc = non-cancer; Csat = soil saturation concentration; ceiling = 10%.
 Background threshold values are non-outlier trace element maximum levels in Wisconsin surface soils from the USGS Report at: <http://pubs.usgs.gov/sir/2011/5662/>.

1. Enter data in yellow cells. Numeric-only values under "INPUT Site Data." For ND, use detection limit. Do not type "-", "NA" nor "space bar." Leave purple cells "as is."
2. After completing data entry, see Summary in Row 924.

A.7 Other

Site Name:
 Sample ID:

							Comparison / Hazard Index / Cumulative Cancer Risk			
Contaminant	CAS Number	NC RCL (mg/kg)	C RCL (mg/kg)	Not-To-Exceed D-C RCL (mg/kg)	Base	Background Threshold Value (mg/kg)	INPUT Site Data (mg/kg)	Flag E = Individual Exceedance!	Hazard Quotient (HQ) from Data	Cancer Risk (CR) from Data
Benzene	71-43-2	106,000	1,600	1,600	ca					
Ethylbenzene	100-41-4	4,080,000	8,020	8,020	ca					
Toluene	108-88-3	5,240,000		818,000	Csat					
Xylenes	1330-20-7	818,000		260,000	Csat					
Methyl tert-Butyl Ether (MTBE)	1634-04-4	22,100,000	63,800	63,800	ca					
Dichloroethane, 1,2-	107-06-2	43,700	652	652	ca					
Dibromoethane, 1,2-	106-93-4	100,000	950	950	ca					
Trichloroethylene	79-01-6	5,680	1,300	1,300	ca					
Tetrachloroethylene	127-18-4	109,000	33,000	33,000	ca					
Vinyl Chloride	75-01-4	89,200	967	967	ca					
Dichloroethylene, 1,1-	75-35-4	320,000		320,000	nc					
Dichloroethylene, 1,2-trans-	156-60-5	1,560,000		1,560,000	nc					
Dichloroethylene, 1,2-cis-	156-59-2	156,000		156,000	nc					
Trichloroethane, 1,1,1-	71-55-6	11,500,000		840,000	Csat					
Carbon Tetrachloride	56-23-5	131,000	916	916	ca					
Trimethylbenzene, 1,2,4-	95-63-6	373,000		219,000	Csat					
Trimethylbenzene, 1,3,5-	108-67-8	339,000		182,000	Csat					
Naphthalene	91-20-3	178,000	5,520	5,520	ca					
Benzo[a]pyrene	50-32-8	17,800	115	115	ca					
Acenaphthene	83-32-9	3,590,000		3,590,000	nc					
Acenaphthylene	208-96-8									
Anthracene	120-12-7	17,900,000		17,900,000	nc					
Benz[a]anthracene	56-55-3		1,140	1,140	ca					
Benzo[j]fluoranthene	205-82-3		424	424	ca					
Benzo[k]fluoranthene	205-99-2		1,150	1,150	ca					
Benzo[g,h,i]perylene	191-24-2									
Benzo[k]fluoranthene	207-08-9		11,500	11,500	ca					
Chrysene	218-01-9		115,000	115,000	ca					
Dibenz[a,h]anthracene	53-70-3		115	115	ca					
Dibenz[a,e]pyrene	192-65-4		942	942	ca					
Dimethylbenz[a]anthracene, 7,12-	57-97-6		4,59E-04	4,59E-04	ca					
Fluoranthene	206-44-0	2,390,000		2,390,000	nc					
Fluorene	86-73-7	2,390,000		2,390,000	nc					
Indeno[1,2,3-cd]pyrene	193-39-5		1,150	1,150	ca					
Methylnaphthalene, 1-	90-12-0	4,180,000	17,600	17,600	ca					
Methylnaphthalene, 2-	91-57-6	239,000		239,000	nc					
Nitropyrene, 4-	57835-92-4		424	424	ca					
Perylene	198-55-0									
Phenanthrene	85-01-8									
Pyrene	129-00-0	1,790,000		1,790,000	nc					
Lead and Compounds	7439-92-1	400,000		400,000		52				
Bromobenzene	108-88-1	342,000		342,000	nc					
Bromodichloromethane	75-27-4	1,560,000	418	418	ca					
Bromoform	75-25-2	1,560,000	25,400	25,400	ca					
Butylbenzene, n-	104-51-8	3,910,000		108,000	Csat					
Butylbenzene, sec-	135-98-8	7,820,000		145,000	Csat					
Butylbenzene, tert-	98-06-6	7,820,000		183,000	Csat					
Chlorobenzene	108-90-7	370,000		370,000	nc					
Chloroform	67-66-3	259,000	454	454	ca					
Chloromethane	74-87-3	159,000		159,000	nc					
Chlorotoluene, o-	95-49-8	1,560,000		907,000	Csat					
Chlorotoluene, p-	106-43-4	1,560,000		253,000	Csat					
Dibromo-3-chloropropane, 1,2-	96-12-8	5,980	908	908	ca					
Dibromochloromethane	124-48-1	1,560,000	8,280	8,280	ca					
Dichlorobenzene, 1,2-	95-50-1	2,350,000		376,000	Csat					
Dichlorobenzene, 1,3-	541-73-1			297,000	Csat					
Dichlorobenzene, 1,4-	106-46-7	3,810,000	3,740	3,740	ca					
Dichlorodifluoromethane	75-71-8	126,000		126,000	nc					
Dichloroethane, 1,1-	75-34-3	15,600,000	5,060	5,060	ca					
Dichloropropane, 1,2-	78-87-5	22,600	406	406	ca					
Dichloropropane, 1,3-	142-28-9	1,560,000		1,490,000	Csat					
Dichloropropane, 2,2-	594-20-7			191,000	Csat					
Diisopropyl Ether	108-20-3	3,220,000		2,260,000	Csat					
Hexachlorobutadiene	87-68-3	78,200	1,630	1,630	ca					
Isopropyltoluene, p-	99-87-6			162,000	Csat					
Methylene Chloride	75-09-2	379,000	61,800	61,800	ca					
Tetrachloroethane, 1,1,1,2-	630-20-6	2,350,000	2,780	2,780	ca					
Tetrachloroethane, 1,1,2,2-	79-34-5	1,560,000	810	810	ca					
Trichlorobenzene, 1,2,3-	87-61-6	62,600		62,600	nc					
Trichlorobenzene, 1,2,4-	120-82-1	80,800	24,000	24,000	ca					
Trichloroethane, 1,1,2-	79-00-5	2,160	1,590	1,590	ca					
Trichlorofluoromethane	75-69-4	23,500,000		1,230,000	Csat					
Test1Chem(DRO)	Wis. DRO									
Test2Chem(GRO)	Wis. GRO									
Test3Chem(TPH)	TPH									
Type BRRTS No. Here (if Known)							Exceedance Count / Hazard Index / Cumulative Cancer Risk: 0 0.00E+00 0.00E+00			
							To Pass, data must meet all these criteria: Exceedance Count = 0 HI ≤ 1.0 Cumulative CR ≤ 1e-05			
Bottom Line:							Soil Data Entry Needed!			

NR140 Substance	NR 140 CAS	Fed MCL (ug/l) (If Red, MCL>ES)	NR 140 ES (ug/l)	RCL-gw (mg/kg) DF=1	Use 2, or input the calculated site-specific DF -->	2.00	INPUT NUMERIC Site Data Max (mg/kg)	Flag E = Individual Exceedance!
Acetochlor	34256-82-1	-	7	5.58E-03		1.12E-02		
Acetone	67-64-1	-	9000	1.85E+00		3.69E+00		
Alachlor	15972-60-8	2	2	1.65E-03		3.30E-03		
Aldicarb	116-06-3	3	10	2.49E-03		4.99E-03		
Aluminum	7429-90-5	-	200	3.01E+02		6.01E+02		
Antimony	7440-36-0	6	6	2.71E-01		5.42E-01		
Anthracene	120-12-7	-	3000	9.84E+01		1.97E+02		
Arsenic	7440-38-2	10	10	2.92E-01		5.84E-01		
Atrazine, total chlorinated residues	1912-24-9	3	3	1.95E-03		3.90E-03		
Barium	7440-39-3	2000	2000	8.24E+01		1.65E+02		
Bentazon	25057-89-0	-	300	6.59E-02		1.32E-01		
Benzene	71-43-2	5	5	2.56E-03		5.12E-03		
Benzo(a)pyrene (PAH)	50-32-8	0.2	0.2	2.35E-01		4.70E-01		
Benzo(b)fluoranthene (PAH)	205-99-2	-	0.2	2.40E-01		4.80E-01		
Beryllium	7440-41-7	4	4	3.16E+00		6.32E+00		
Boron	7440-42-8	-	1000	3.20E+00		6.40E+00		
Bromodichloromethane (THM)	75-27-4	80	0.6	1.63E-04		3.26E-04		
Bromoform (THM)	75-25-2	80	4.4	1.17E-03		2.33E-03		
Bromomethane	74-83-9	-	10	2.53E-03		5.06E-03		
Butylate	2008-41-5	-	400	3.88E-01		7.76E-01		
Cadmium	7440-43-9	5	5	3.76E-01		7.52E-01		
Carbaryl	63-25-2	-	40	3.64E-02		7.27E-02		
Carbofuran	1563-66-2	40	40	1.56E-02		3.12E-02		
Carbon disulfide	75-15-0	-	1000	2.97E-01		5.93E-01		
Carbon tetrachloride	56-23-5	5	5	1.94E-03		3.88E-03		
Chloramben	133-90-4	-	150	3.63E-02		7.27E-02		
Chlorodifluoromethane	75-45-6	-	7000	2.89E+00		5.79E+00		
Chloroethane	75-00-3	-	400	1.13E-01		2.27E-01		
Chloroform (THM)	67-66-3	80	6	1.67E-03		3.33E-03		
Chlorpyrifos	2921-88-2	-	2	2.95E-02		5.90E-02		
Chloromethane	74-87-3	-	30	7.76E-03		1.55E-02		
Chromium (total)	7440-47-3	100	100	1.80E+05		3.60E+05		
Chrysene (PAH)	218-01-9	-	0.2	7.25E-02		1.45E-01		
Cobalt	7440-48-4	-	40	1.81E+00		3.62E+00		
Copper	7440-50-8	1300	1300	4.58E+01		9.16E+01		
Cyanazine	21725-46-2	-	1	4.68E-04		9.37E-04		
Cyanide, free	57-12-5	200	200	2.02E+00		4.04E+00		
Dacthal (DCPA)	1861-32-1	-	70	8.56E-02		1.71E-01		
1,2-Dibromoethane	106-93-4	0.05	0.05	1.41E-05		2.82E-05		
Dibromochloromethane (THM)	124-48-1	80	60	1.60E-02		3.20E-02		
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	0.2	0.2	8.64E-05		1.73E-04		
Dibutyl phthalate	84-74-2	-	1000	2.52E+00		5.04E+00		
Dicamba	1918-00-9	-	300	7.76E-02		1.55E-01		
1,2-Dichlorobenzene	95-50-1	600	600	5.84E-01		1.17E+00		
1,3-Dichlorobenzene	541-73-1	-	600	5.76E-01		1.15E+00		
1,4-Dichlorobenzene	106-46-7	75	75	7.20E-02		1.44E-01		
Dichlorodifluoromethane	75-71-8	-	1000	1.54E+00		3.08E+00		
1,1-Dichloroethane	75-34-3	-	850	2.42E-01		4.84E-01		
1,2-Dichloroethane	107-06-2	5	5	1.42E-03		2.84E-03		
1,1-Dichloroethylene	75-35-4	7	7	2.51E-03		5.02E-03		
1,2-Dichloroethylene (cis)	156-59-2	70	70	2.06E-02		4.12E-02		
1,2-Dichloroethylene (trans)	156-60-5	100	100	2.94E-02		5.88E-02		
2,4-Dichlorophenoxyacetic acid (2,4-D)	94-75-7	70	70	1.81E-02		3.62E-02		
1,2-Dichloropropane	78-87-5	5	5	1.66E-03		3.32E-03		
1,3-Dichloropropane (cis/trans) (Telone)	542-75-6	-	0.4	1.43E-04		2.85E-04		
Di (2-ethylhexyl) phthalate	117-81-7	6	6	1.44E+00		2.88E+00		
Dimethoate	60-51-5	-	2	4.51E-04		9.02E-04		
2,4-Dinitrotoluene	121-14-2	-	0.05	6.76E-05		1.35E-04		
2,6-Dinitrotoluene	606-20-2	-	0.05	6.88E-05		1.38E-04		
Dinitrotoluene, Total Residues	25321-14-6	-	0.05	6.89E-05		1.38E-04		
Dinoseb	88-85-7	7	7	6.15E-02		1.23E-01		
1,4-Dioxane (p-dioxane)	123-91-1	-	3	6.18E-04		1.24E-03		
Dioxin (2,3,7,8-TCDD)	1746-01-6	0	0	1.50E-05		3.00E-05		
Endrin	72-20-8	2	2	8.08E-02		1.62E-01		
EPTC	759-94-4	-	250	1.32E-01		2.64E-01		
Ethylbenzene	100-41-4	700	700	7.85E-01		1.57E+00		
Ethyl Ether (Diethyl Ether)	60-29-7	-	1000	2.24E-01		4.47E-01		
Ethylene glycol	107-21-1	-	14000	2.82E+00		5.64E+00		
Fluoranthene	206-44-0	-	400	4.44E+01		8.88E+01		
Fluorene (PAH)	86-73-7	-	400	7.41E+00		1.48E+01		

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

Re-assess if Cr-VI present

NR140 Substance	NR 140 CAS	Fed MCL (ug/l) (If Red, MCL>ES)	NR 140 ES (ug/l)	RCL-gw (mg/kg) DF=1	Use 2, or input the calculated site-specific DF -->	2.00	INPUT NUMERIC Site Data Max (mg/kg)	Flag E = Individual Exceedance!
Fluoride	7782-41-4	4000	4000	6.01E+02		1.20E+03		
Fluorotrichloromethane	75-69-4	-	3490	2.23E+00		4.47E+00		
Formaldehyde	50-00-0	-	1000	2.02E-01		4.04E-01		
Heptachlor	76-44-8	0.4	0.4	3.31E-02		6.62E-02		
Heptachlor epoxide	1024-57-3	0.2	0.2	4.08E-03		8.16E-03		
Hexachlorobenzene	118-74-1	1	1	1.26E-02		2.52E-02		
n-Hexane	110-54-3	-	600	4.22E+00		8.44E+00		
Lead	7439-92-1	15	15	1.35E+01		2.70E+01		
Lindane	58-89-9	0.2	0.2	1.16E-03		2.32E-03		
Manganese	7439-96-5	-	300	1.96E+01		3.91E+01		
Mercury	7439-97-6	2	2	1.04E-01		2.08E-01		
Methanol	67-56-1	-	5000	1.01E+00		2.03E+00		
Methoxychlor	72-43-5	40	40	2.16E+00		4.32E+00		
Methylene chloride	75-09-2	5	5	1.28E-03		2.56E-03		
Methyl ethyl ketone (MEK)	78-93-3	-	4000	8.39E-01		1.68E+00		
Methyl isobutyl ketone (MIBK)	108-10-1	-	500	1.13E-01		2.26E-01		
Methyl tert-butyl ether (MTBE)	1634-04-4	-	60	1.35E-02		2.70E-02		
Metolachlor/s-Metolachlor	51218-45-2	-	100	1.17E-01		2.34E-01		
Metribuzin	21087-64-9	-	70	2.14E-02		4.28E-02		
Molybdenum	7439-98-7	-	40	8.08E-01		1.62E+00		
Monochlorobenzene	108-90-7	100	100	6.79E-02		1.36E-01		
Naphthalene	91-20-3	-	100	3.29E-01		6.59E-01		
Nickel	7440-02-0	-	100	6.50E+00		1.30E+01		
N-Nitrosodiphenylamine (NDPA)	86-30-6	-	7	3.82E-02		7.64E-02		
Penachlorophenol (PCP)	87-86-5	1	1	1.01E-02		2.02E-02		
Phenol	108-95-2	-	2000	1.15E+00		2.30E+00		
Picloram	1918-02-1	500	500	1.39E-01		2.78E-01		
Polychlorinated biphenyls (PCBs)	1336-36-3	0.5	0.03	4.69E-03		9.38E-03		
Prometon	1610-18-0	-	100	4.75E-02		9.49E-02		
Propazine	139-40-2	-	10	8.86E-03		1.77E-02		
Pyrene (PAH)	129-00-0	-	250	2.72E+01		5.45E+01		
Pyridine	110-86-1	-	10	3.44E-03		6.87E-03		
Selenium	7782-49-2	50	50	2.60E-01		5.20E-01		
Silver	7440-22-4	-	50	4.25E-01		8.50E-01		
Simazine	122-34-9	4	4	1.97E-03		3.94E-03		
Styrene	100-42-5	100	100	1.10E-01		2.20E-01		
Tertiary Butyl Alcohol (TBA)	75-65-0	-	12	2.45E-03		4.90E-03		
1,1,1,2-Tetrachloroethane	630-20-6	-	70	2.67E-02		5.33E-02		
1,1,2,2-Tetrachloroethane	79-34-5	-	0.2	7.80E-05		1.56E-04		
Tetrachloroethylene (PCE)	127-18-4	5	5	2.27E-03		4.54E-03		
Tetrahydrofuran	109-99-9	-	50	1.11E-02		2.22E-02		
Thallium	7440-28-0	2	2	1.42E-01		2.84E-01		
Toluene	108-88-3	1000	800	5.54E-01		1.11E+00		
Toxaphene	8001-35-2	3	3	4.64E-01		9.28E-01		
1,2,4-Trichlorobenzene	120-82-1	70	70	2.04E-01		4.08E-01		
1,1,1-Trichloroethane	71-55-6	200	200	7.01E-02		1.40E-01		
1,1,2-Trichloroethane	79-00-5	5	5	1.62E-03		3.24E-03		
Trichloroethylene (TCE)	79-01-6	5	5	1.79E-03		3.58E-03		
2,4,6-Trichlorophenol (2,4,6-TCP)	93-72-1	50	50	2.75E-02		5.50E-02		
1,2,3-Trichloropropane	96-18-4	-	60	2.60E-02		5.20E-02		
Trifluralin	1582-09-8	-	7.5	2.48E-01		4.95E-01		
2,4,6-Trinitrophenol (2,4,6-TNP)	95-63-6 / 108-67-8	-	480	6.90E-01		1.38E+00		
Vanadium	7440-62-2	-						
Vinyl chloride	75-01-4	2	0.2	6.90E-05		1.38E-04		
Xylenes (m-, o-, p- combined)	1330-20-7	10000	2000	1.97E+00		3.94E+00		

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

Site-specific

Resident Equation Inputs for Soil

1

Variable	Value
THQ (target hazard quotient) unitless	1
TR (target risk) unitless	1.0E-6
LT (lifetime) year	70
ET _{res} (exposure time) hour	24
ET _{res-c} (child exposure time) hour	24
ET _{res-a} (adult exposure time) hour	24
ET _{0.2} (mutagenic exposure time) hour	24
ET _{2.5} (mutagenic exposure time) hour	24
ET ₆₋₁₆ (mutagenic exposure time) hour	24
ET ₁₆₋₂₆ (mutagenic exposure time) hour	24
ED _{res} (exposure duration) year	26
ED _{res-c} (exposure duration - child) year	6
ED _{res-a} (exposure duration - adult) year	20
ED _{0.2} (mutagenic exposure duration) year	2
ED _{2.5} (mutagenic exposure duration) year	4
ED ₆₋₁₆ (mutagenic exposure duration) year	10
ED ₁₆₋₂₆ (mutagenic exposure duration) year	10
BW _{res-c} (body weight - child) kg	15
BW _{res-a} (body weight - adult) kg	80
BW _{0.2} (mutagenic body weight) kg	15
BW _{2.5} (mutagenic body weight) kg	15
BW ₆₋₁₆ (mutagenic body weight) kg	80
BW ₁₆₋₂₆ (mutagenic body weight) kg	80
SA _{res-c} (skin surface area - child) cm ² /day	2373
SA _{res-a} (skin surface area - adult) cm ² /day	6032
SA _{0.2} (mutagenic skin surface area) cm ² /day	2373
SA _{2.5} (mutagenic skin surface area) cm ² /day	2373
SA ₆₋₁₆ (mutagenic skin surface area) cm ² /day	6032
SA ₁₆₋₂₆ (mutagenic skin surface area) cm ² /day	6032
EF _{res} (exposure frequency) day/year	350
EF _{res-c} (exposure frequency - child) day/year	350
EF _{res-a} (exposure frequency - adult) day/year	350
EF _{0.2} (mutagenic exposure frequency) day/year	350

Site-specific

Resident Equation Inputs for Soil

2

Variable	Value
$EF_{0.6}$ (mutagenic exposure frequency) day/year	350
EF_{6-16} (mutagenic exposure frequency) day/year	350
EF_{16-26} (mutagenic exposure frequency) day/year	350
$IFS_{inf-0.6}$ (age-adjusted soil ingestion factor) mg/kg	36750
$IFSM_{inf-0.6}$ (mutagenic age-adjusted soil ingestion factor) mg/kg	166833.33
$IRS_{inf-0.6}$ (soil intake rate - child) mg/day	200
IRS_{inf-6} (soil intake rate - adult) mg/day	100
$IRS_{0.6}$ (mutagenic soil intake rate) mg/day	200
IRS_{6-16} (mutagenic soil intake rate) mg/day	200
IRS_{16-26} (mutagenic soil intake rate) mg/day	100
AF_{res-a} (skin adherence factor - adult) mg/cm ²	0.07
AF_{res-c} (skin adherence factor - child) mg/cm ²	0.2
AF_{0-2} (mutagenic skin adherence factor) mg/cm ²	0.2
AF_{2-6} (mutagenic skin adherence factor) mg/cm ²	0.2
AF_{6-16} (mutagenic skin adherence factor) mg/cm ²	0.07
AF_{16-26} (mutagenic skin adherence factor) mg/cm ²	0.07
$DFS_{inf-0.6}$ (age-adjusted soil dermal factor) mg/kg	103390
$DFSM_{inf-0.6}$ (mutagenic age-adjusted soil dermal factor) mg/kg	428260
City (Climate Zone) PEF Selection	Chicago, IL (7)
A_s (acres)	.5
Q/C_{wp} (g/m ² -s per kg/m ³)	98.430714368855
PEF (particulate emission factor) m ³ /kg	1560521176.9649
A (PEF Dispersion Constant)	16.8653
B (PEF Dispersion Constant)	18.7848
C (PEF Dispersion Constant)	215.0624
V (fraction of vegetative cover) unitless	0.5
U_{∞} (mean annual wind speed) m/s	4.65
U_t (equivalent threshold value)	11.32
F(x) (function dependant on U_{∞}/U_t) unitless	0.182
City (Climate Zone) VF Selection	Chicago, IL (7)
A_s (acres)	.5
Q/C_{vol} (g/m ² -s per kg/m ³)	98.430714368855

Site-specific

Resident Equation Inputs for Soil

3

Variable	Value
foc (fraction organic carbon in soil) g/g	0.006
ρ_b (dry soil bulk density) g/cm ³	1.5
ρ_s (soil particle density) g/cm ³	2.65
n (total soil porosity) $L_{\text{pore}}/L_{\text{cell}}$	0.43396
θ_a (air-filled soil porosity) $L_{\text{air}}/L_{\text{cell}}$	0.28396
θ_w (water-filled soil porosity) $L_{\text{water}}/L_{\text{cell}}$	0.15
T (exposure interval) s	819936000
A (VF Dispersion Constant)	16.8653
B (VF Dispersion Constant)	18.7848
C (VF Dispersion Constant)	215.0624
City (Climate Zone) VF _{cl} Selection	Chicago, IL (7)
VF _s (volatilization factor) m ³ /kg	.
Q/C _{vol} (g/m ² -s per kg/m ³)	98.430714368855
A _s (acres)	.5
T (exposure interval) yr	26
d _s (depth of source) m	.
ρ_b (dry soil bulk density) g/cm ³	1.5
A (VF Dispersion Constant - Mass Limit)	16.8653
B (VF Dispersion Constant - Mass Limit)	18.7848
C (VF Dispersion Constant - Mass Limit)	215.0624

Site-specific

4

Resident Screening Levels (RSL) for Soil

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

ca** (Where nc SL < 10 x ca SL), max=SL exceeds ceiling limit (see User's Guide), sat=SL exceeds csat,

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

Ssat=Soil inhalation SL exceeds csat and has been substituted with the csat

Chemical	CAS Number	Mutagen?	VOC?	Ingestion SF (mg/kg-day) ⁻¹	SFO Ref	Inhalation Unit Risk (ug/m ³) ⁻¹	IUR Ref	Chronic RfD (mg/kg-day)	Chronic RfD Ref	Chronic RfC (mg/m ³)	Chronic RfC Ref
Benzene	71-43-2	No	Yes	5.50E-02	I	7.80E-06	I	4.00E-03	I	3.00E-02	I
Dibromoethane, 1,2-	106-93-4	No	Yes	2.00E+00	I	6.00E-04	I	9.00E-03	I	9.00E-03	I
Dichloroethane, 1,2-	107-06-2	No	Yes	9.10E-02	I	2.60E-05	I	6.00E-03	S	7.00E-03	P
Ethylbenzene	100-41-4	No	Yes	1.10E-02	C	2.50E-06	C	1.00E-01	I	1.00E+00	I
Lead and Compounds	7439-92-1	No	No	-	-	-	-	-	-	-	-
Methyl tert-Butyl Ether (MTBE)	1634-04-4	No	Yes	1.80E-03	C	2.60E-07	C	-	-	3.00E+00	I
Acenaphthene	83-32-9	No	Yes	-	-	-	-	6.00E-02	I	-	-
Anthracene	120-12-7	No	Yes	-	-	-	-	3.00E-01	I	-	-
Benz[a]anthracene	56-55-3	Yes	Yes	7.30E-01	W	1.10E-04	C	-	-	-	-
Benzo[j]fluoranthene	205-82-3	No	No	1.20E+00	C	1.10E-04	C	-	-	-	-
Benzo[a]pyrene	50-32-8	Yes	No	7.30E+00	I	1.10E-03	C	-	-	-	-
Benzo[b]fluoranthene	205-99-2	Yes	No	7.30E-01	W	1.10E-04	C	-	-	-	-
Benzo[k]fluoranthene	207-08-9	Yes	No	7.30E-02	W	1.10E-04	C	-	-	-	-
Chrysene	218-01-9	Yes	No	7.30E-03	W	1.10E-05	C	-	-	-	-
Dibenz[a,h]anthracene	53-70-3	Yes	No	7.30E+00	W	1.20E-03	C	-	-	-	-
Dibenzo[a,e]pyrene	192-65-4	No	No	1.20E+01	C	1.10E-03	C	-	-	-	-
Dimethylbenz(a)anthracene, 7,12-	57-97-6	Yes	No	2.50E+02	C	7.10E-02	C	-	-	-	-
Fluoranthene	206-44-0	No	No	-	-	-	-	4.00E-02	I	-	-
Fluorene	86-73-7	No	Yes	-	-	-	-	4.00E-02	I	-	-
Indeno[1,2,3-cd]pyrene	193-39-5	Yes	No	7.30E-01	W	1.10E-04	C	-	-	-	-
Methylnaphthalene, 1-	90-12-0	No	Yes	2.90E-02	P	-	-	7.00E-02	A	-	-
Methylnaphthalene, 2-	91-57-6	No	Yes	-	-	-	-	4.00E-03	I	-	-
Naphthalene	91-20-3	No	Yes	-	-	3.40E-05	C	2.00E-02	I	3.00E-03	I
Nitropyrene, 4-	57835-92-4	No	No	1.20E+00	C	1.10E-04	C	-	-	-	-
Pyrene	129-00-0	No	Yes	-	-	-	-	3.00E-02	I	-	-
Toluene	108-88-3	No	Yes	-	-	-	-	8.00E-02	I	5.00E+00	I
Trimethylbenzene, 1,2,4-	95-63-6	No	Yes	-	-	-	-	-	-	7.00E-03	P
Trimethylbenzene, 1,3,5-	108-67-8	No	Yes	-	-	-	-	1.00E-02	S	-	-
Xylenes	1330-20-7	No	Yes	-	-	-	-	2.00E-01	I	1.00E-01	I

Site-specific

Resident Screening Levels (RSL) for Soil

ca=Cancer; nc=Noncancer; ca* (Where nc SL < 100 x ca SL).

ca** (Where nc SL < 10 x ca SL), max=SL exceeds ceiling limit (see User's Guide). sat=SL exceeds csat.

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

Ssat=Soil inhalation SL exceeds csat and has been substituted with the csat

Chemical	GIABS ABS RBA			Volatilization	Soil	Particulate	Ingestion	Dermal	Inhalation	Carcinogenic
				Factor (m ³ /kg)	Saturation Concentration (mg/kg)	Emission Factor (m ³ /kg)	SL TR=1.0E-6 (mg/kg)	SL TR=1.0E-6 (mg/kg)	SL TR=1.0E-6 (mg/kg)	SL TR=1.0E-6 (mg/kg)
Benzene	1	-	1	5.10E+03	1.82E+03	1.56E+09	1.26E+01	-	1.84E+00	1.60E+00
Dibromoethane, 1,2-	1	-	1	1.25E+04	1.34E+03	1.56E+09	3.48E-01	-	5.84E-02	5.00E-02
Dichloroethane, 1,2-	1	-	1	6.60E+03	2.98E+03	1.56E+09	7.64E+00	-	7.13E-01	6.52E-01
Ethylbenzene	1	-	1	8.18E+03	4.80E+02	1.56E+09	6.32E+01	-	9.19E+00	8.02E+00
Lead and Compounds	1	-	1	-	-	1.56E+09	-	-	-	-
Methyl tert-Butyl Ether (MTBE)	1	-	1	7.08E+03	8.87E+03	1.56E+09	3.86E+02	-	7.64E+01	6.38E+01
Acenaphthene	1	0.13	1	2.03E+05	-	1.56E+09	-	-	-	-
Anthracene	1	0.13	1	7.56E+05	-	1.56E+09	-	-	-	-
Benz[a]anthracene	1	0.13	1	6.37E+06	-	1.56E+09	2.10E-01	6.29E-01	5.85E+01	1.57E-01
Benzo[j]fluoranthene	1	0.13	1	-	-	1.56E+09	5.79E-01	1.58E+00	3.98E+04	4.24E-01
Benzo[a]pyrene	1	0.13	1	-	-	1.56E+09	2.10E-02	6.29E-02	1.44E+03	1.57E-02
Benzo[b]fluoranthene	1	0.13	1	-	-	1.56E+09	2.10E-01	6.29E-01	1.44E+04	1.57E-01
Benzo[k]fluoranthene	1	0.13	1	-	-	1.56E+09	2.10E+00	6.29E+00	1.44E+04	1.57E+00
Chrysene	1	0.13	1	-	-	1.56E+09	2.10E+01	6.29E+01	1.44E+05	1.57E+01
Dibenz[a,h]anthracene	1	0.13	1	-	-	1.56E+09	2.10E-02	6.29E-02	1.32E+03	1.57E-02
Dibenzo(a,e)pyrene	1	0.13	1	-	-	1.56E+09	5.79E-02	1.58E-01	3.98E+03	4.24E-02
Dimethylbenz(a)anthracene, 7,12-	1	0.13	1	-	-	1.56E+09	6.13E-04	1.84E-03	2.23E+01	4.59E-04
Fluoranthene	1	0.13	1	-	-	1.56E+09	-	-	-	-
Fluorene	1	0.13	1	4.06E+05	-	1.56E+09	-	-	-	-
Indeno[1,2,3-cd]pyrene	1	0.13	1	-	-	1.56E+09	2.10E-01	6.29E-01	1.44E+04	1.57E-01
Methylnaphthalene, 1-	1	0.13	1	8.46E+04	3.94E+02	1.56E+09	2.40E+01	6.55E+01	-	1.76E+01
Methylnaphthalene, 2-	1	0.13	1	8.37E+04	-	1.56E+09	-	-	-	-
Naphthalene	1	0.13	1	6.69E+04	-	1.56E+09	-	-	5.52E+00	5.52E+00
Nitropyrene, 4-	1	0.13	1	-	-	1.56E+09	5.79E-01	1.58E+00	3.98E+04	4.24E-01
Pyrene	1	0.13	1	3.43E+06	-	1.56E+09	-	-	-	-
Toluene	1	-	1	6.19E+03	8.18E+02	1.56E+09	-	-	-	-
Trimethylbenzene, 1,2,4-	1	-	1	1.14E+04	2.19E+02	1.56E+09	-	-	-	-
Trimethylbenzene, 1,3,5-	1	-	1	9.54E+03	1.82E+02	1.56E+09	-	-	-	-
Xylenes	1	-	1	8.28E+03	2.60E+02	1.56E+09	-	-	-	-

Site-specific

6

Resident Screening Levels (RSL) for Soil

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

ca** (Where nc SL < 10 x ca SL), max=SL exceeds ceiling limit (see User's Guide), sat=SL exceeds csat,

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

Ssat=Soil inhalation SL exceeds csat and has been substituted with the csat

Chemical	Ingestion SL Child THQ=1 (mg/kg)	Dermal SL Child THQ=1 (mg/kg)	Inhalation SL Child THQ=1 (mg/kg)	Noncarcinogenic SL Child THI=1 (mg/kg)	Ingestion SL Adult THQ=1 (mg/kg)	Dermal SL Adult THQ=1 (mg/kg)	Inhalation SL Adult THQ=1 (mg/kg)	Noncarcinogenic SL Adult THI=1 (mg/kg)	Screening Level (mg/kg)
Benzene	3.13E+02	-	1.60E+02	1.06E+02	3.34E+03	-	1.60E+02	1.52E+02	1.60E+00 ca
Dibromoethane, 1,2-	7.04E+02	-	1.17E+02	1.00E+02	7.51E+03	-	1.17E+02	1.15E+02	5.00E+02 ca
Dichloroethane, 1,2-	4.69E+02	-	4.82E+01	4.37E+01	5.01E+03	-	4.82E+01	4.77E+01	6.52E+01 ca
Ethylbenzene	7.82E+03	-	8.53E+03	4.08E+03	8.34E+04	-	8.53E+03	7.74E+03	8.02E+00 ca
Lead and Compounds	-	-	-	-	-	-	-	-	4.00E+02 nc
Methyl tert-Butyl Ether (MTBE)	-	-	2.21E+04	2.21E+04	-	-	2.21E+04	2.21E+04	6.38E+01 ca
Acenaphthene	4.69E+03	1.52E+04	-	3.59E+03	5.01E+04	9.12E+04	-	3.23E+04	3.59E+03 nc
Anthracene	2.35E+04	7.61E+04	-	1.79E+04	2.50E+05	4.56E+05	-	1.62E+05	1.79E+04 nc
Benz[a]anthracene	-	-	-	-	-	-	-	-	1.57E+01 ca
Benzo[j]fluoranthene	-	-	-	-	-	-	-	-	4.24E+01 ca
Benzo[a]pyrene	-	-	-	-	-	-	-	-	1.57E+02 ca
Benzo[b]fluoranthene	-	-	-	-	-	-	-	-	1.57E+01 ca
Benzo[k]fluoranthene	-	-	-	-	-	-	-	-	1.57E+00 ca
Chrysene	-	-	-	-	-	-	-	-	1.57E+01 ca
Dibenz[a,h]anthracene	-	-	-	-	-	-	-	-	1.57E+02 ca
Dibenzo(a,e)pyrene	-	-	-	-	-	-	-	-	4.24E+02 ca
Dimethylbenz(a)anthracene, 7,12-	-	-	-	-	-	-	-	-	4.59E+01 ca
Fluoranthene	3.13E+03	1.01E+04	-	2.39E+03	3.34E+04	6.08E+04	-	2.15E+04	2.39E+03 nc
Fluorene	3.13E+03	1.01E+04	-	2.39E+03	3.34E+04	6.08E+04	-	2.15E+04	2.39E+03 nc
Indeno[1,2,3-cd]pyrene	-	-	-	-	-	-	-	-	1.57E+01 ca
Methylnaphthalene, 1-	5.48E+03	1.77E+04	-	4.18E+03	5.84E+04	1.06E+05	-	3.77E+04	1.76E+01 ca
Methylnaphthalene, 2-	3.13E+02	1.01E+03	-	2.39E+02	3.34E+03	6.08E+03	-	2.15E+03	2.39E+02 nc
Naphthalene	1.56E+03	5.07E+03	2.09E+02	1.78E+02	1.67E+04	3.04E+04	2.09E+02	2.05E+02	5.52E+00 ca
Nitropyrene, 4-	-	-	-	-	-	-	-	-	4.24E+01 ca
Pyrene	2.35E+03	7.61E+03	-	1.79E+03	2.50E+04	4.56E+04	-	1.62E+04	1.79E+03 nc
Toluene	6.26E+03	-	3.23E+04	5.24E+03	6.67E+04	-	3.23E+04	2.18E+04	5.24E+03 sat
Trimethylbenzene, 1,2,4-	-	-	8.34E+01	8.34E+01	-	-	8.34E+01	8.34E+01	8.34E+01 nc
Trimethylbenzene, 1,3,5-	7.82E+02	-	-	7.82E+02	8.34E+03	-	-	8.34E+03	7.82E+02 sat
Xylenes	1.56E+04	-	8.64E+02	8.18E+02	1.67E+05	-	8.64E+02	8.59E+02	8.18E+02 sat

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

History: Cr. Register, September, 1985, No. 357, eff. 10-1-85; cr. (1m), am. (7), (17) and (18), Register, October, 1988, No. 394, eff. 11-1-88; am. (6), cr. (20h) and (20m), Register, March, 1994, No. 459, eff. 4-1-94; cr. (1s), (10e), (10s), (20k), r. and rec. (12), (13), Register, August, 1995, No. 476, eff. 9-1-95; cr. (14m), Register, October, 1996, No. 490, eff. 11-1-96; am. (20), Register, December, 1998, No. 516, eff. 1-1-99; correction in (9) made under s. 13.93 (2m) (b) 7., Stats. Register, April, 2001, No. 544; CR 02-134; cr. (1u), (1w), (1y) and (20s) Register June 2003 No. 570, eff. 7-1-03; correction in (20) made under s. 13.92 (4) (b) 6., Stats., Register January 2012 No. 673.

Subchapter II — Groundwater Quality Standards

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

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

Table 1
Public Health Groundwater Quality Standards

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

Table 1 – Continued
Public Health Groundwater Quality Standards

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

Table 1 – Continued
Public Health Groundwater Quality Standards

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

Table 1 – Continued
Public Health Groundwater Quality Standards

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

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

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

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

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

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

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

History: Cr. Register, September, 1985, No. 357, eff. 10-1-85; am. table 1, Register, October, 1988, No. 394, eff. 11-1-88; am. table 1, Register, September, 1990, No. 417, eff. 10-1-90; am. Register, January, 1992, No. 433, eff. 2-1-92; am. Table 1, Register, March, 1994, No. 459, eff. 4-1-94; am. Table 1, Register, August, 1995, No. 476, eff. 9-1-95; am. Table 1, Register, December, 1998, No. 516, eff. 1-1-99; am. Table 1, boron, Register, December, 1998, No. 516, eff. 12-31-99; am. Table 1, Register, March, 2000, No. 531, eff. 4-1-00; CR 03-063; am. Table 1, Register February 2004 No. 578, eff. 3-1-04; CR 02-095; am. Table 1, Register November 2006 No. 611, eff. 12-1-06; reprinted to correct errors in Table 1, Register January 2007 No. 613; CR 07-054; am. Table 1 Register January 2008 No. 625, eff. 2-1-08; CR 09-102; am. Table 1 Register December 2010 No. 660, eff. 1-1-11.

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

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

Table 2
Public Welfare Groundwater Quality Standards

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

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

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

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

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

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

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

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

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

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

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

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

APPENDIX F/ QUALIFICATIONS OF METCO PERSONNEL

**Site Investigation Report - METCO
Shortville Store**

Ronald J. Anderson, P.G.

Professional Titles

- Senior Hydrogeologist
- Project Manager

Credentials

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

Education

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

Post-Graduate Education

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

Work Experience

Includes nine months with the Wisconsin Department of Natural Resources Leaking Underground Storage Tank Program regulating LUST sites and since June 1990, with METCO as a Hydrogeologist and Project Manager. Duties have included: managing, conducting, and reporting tank closure assessments; property assessment, LUST investigations; spill investigations; agricultural chemical investigations, dry cleaning chemical investigations, general geotechnical/environmental investigations; Geoprobe projects (soil, groundwater, soil gas sampling); drilling projects (soil boring and monitoring wells); and remedial projects. Since 1989, METCO has sampled/consulted over 1,465 environmental sites.

Environmental Consulting, Fuel System Design, Installation and Service

**Site Investigation Report - METCO
Shortville Store**

Jason T. Powell

Professional Title

- Staff Scientist

Credentials

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

Education

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

Post-Graduate Education

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

Work Experience

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

**Site Investigation Report - METCO
Shortville Store**

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.

**Site Investigation Report - METCO
Shortville Store**

Thomas P. Pignet, P.E.

Professional Titles

- Chemical Engineer
- Industrial Engineer

Credentials

- Licensed Professional Engineer in Wisconsin

Education

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

Post-Graduate Education

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

Work Experience

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

**Site Investigation Report - METCO
Shortville Store**

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

Work Experience

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

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Bryce L. Kujawa

Professional Title

- Staff Scientist

Credentials

- Registered through the Wisconsin Department of Safety and Professional Services as a PECFA consultant (#17138).
- Member of the Geological Society of America

Education

Includes B.S. in Geology from the University of Wisconsin-Eau Claire. Applicable courses successfully completed include Hydrogeology, Contaminant Hydrogeology, Field Geology I and II, Mineralogy and Petrology I and II, Sedimentology and Stratigraphy, Petroleum and Economic Geology, Earth History, Physical Geology, Structural Geology, Computers in Geology, Geographic Informational Systems, Global Environmental Change, and General Chemistry.

Work Experience

With METCO since June, 2016 as Staff Scientist. Duties include: soil and groundwater sampling, operation and maintenance of remedial systems, Geoprobe projects (oversight, direction, and sampling), site mapping, data reduction and analysis, and reporting.

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Shortville Store**

Tyler Woodke

Professional Title

- Staff Scientist

Credentials

- Registered through the Wisconsin Department of Safety and Professional Services as a PECFA consultant (#17138).
- Member of the Geological Society of America

Education

Includes B.S. in Geology from the University of Wisconsin-Eau Claire. Applicable courses successfully completed include Hydrogeology, Contaminant Hydrogeology, Field Geology I and II, Mineralogy and Petrology I and II, Sedimentology and Stratigraphy, Petroleum and Economic Geology, Earth History, Physical Geology, Structural Geology, Computers in Geology, Geographic Informational Systems, Global Environmental Change, and General Chemistry.

Work Experience

With METCO since June, 2016 as Staff Scientist. Duties include: soil and groundwater sampling, operation and maintenance of remedial systems, Geoprobe projects (oversight, direction, and sampling), site mapping, data reduction and analysis, and reporting.

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APPENDIX G/ STANDARD OF CARE

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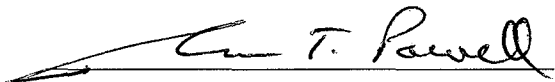
STANDARD OF CARE

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

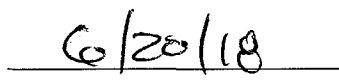
All work conducted by METCO is in accordance with currently accepted hydrogeologic and engineering practices and they neither imply nor intend warranty.

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

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

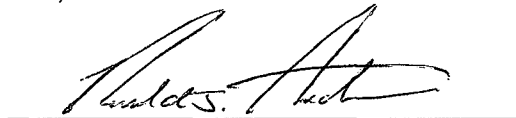


Jason T. Powell
Staff Scientist

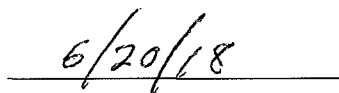


Date

"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



Date