



# Meridian Environmental Consulting, LLC

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May 7, 2012

Pat Collins  
Wisconsin Department of Natural Resources  
890 Spruce St.  
Baldwin, Wisconsin 54002

**RECEIVED**  
**MAY 08 2012**  
**ERS DIVISION**

Subject: **Progress Report and Change Order**  
Corner Store  
100 Tonnar St (Hwy. 25)  
Ridgeland, Wisconsin  
BRRTS No. 03-17-223007  
Commerce No. 54763-9623-02  
Meridian No. 05F761

Dear Pat:

This letter provides the results of Investigation and Remediation work completed at the Corner Store in Ridgeland, Wisconsin during the past year.

The following work was completed:

- A remedial excavation was completed in May 2011. The excavation removed approximately 559 tons of impacted soil from the former tank and pump island area.
- The underground storage tank system was also removed when the remedial excavation was completed.
- Five monitoring wells (MW-2R, MW-5, MW-6, MW-7, MW-8, PZ-1) were installed May 31, 2011.
- The wells were sampled twice (June 9 and September 28, 2011).
- Adjacent potable wells were sampled twice
- Preparation of this report

Based on the results of this work, we recommend three more rounds of sampling. If the results are favorable, the site will be submitted for Closure with GIS Registry for Soil and Ground Water.

## BACKGROUND INFORMATION

The reader is referred to file reports for a detailed description of the site and previous work. A brief summary is provided below.

### Site Description

The site is a small gasoline/convenience store located at 100 Tonnar Street (Highway 25) on the south edge of Ridgeland, Wisconsin (Figure 1)(Dunn County). The Village of Ridgeland is a small agricultural community located near the border of Dunn County and Barron County on Highway 25.

The site is approximately ½ acre with one building constructed on a cement slab (Figure 2). The property formerly operated as a gasoline station/convenience store for over 30 (?) years until 2010. The business is currently closed and the building is unoccupied.

The underground storage tank system was removed in May 2011 (see TSSA report in Appendix A). The system consisted of a 4,000 gallon gasoline tank and one pump island. The 4,000 gallon tank was installed in 1999 when two 1000 gallon gasoline storage tanks were removed. Petroleum impacts were observed when the former tanks were removed and the DNR was notified in 1999.

### Site Investigation

The Site Investigation was documented in the report titled *Soil and Ground Water Investigation Report with Change Order* dated February 22, 2011. The Site Investigation involved the installation of soil borings and monitoring wells (MW-1, MW-2, MW-3, MW-4, TMW-1) in June 2010 (Figure 3). The wells were sampled twice (June 22 and September 21, 2010). Petroleum impacts were measured in MW-2 (free product), MW-3, MW-4, and TMW-1.

Impacted soil was defined in the former pump island area. Based on the results of the soil sample data, a remedial excavation was recommended.

## RECENT WORK

### Remedial Excavation

A remedial excavation of the petroleum impacted soil was conducted May 24 & 25, 2011. Approximately 559 tons of impacted soil were removed and disposed at the Veolia landfill near Eau Claire, Wisconsin. The excavation was approximately 8 - 10 feet deep and extended into the water table thereby removing the impacted "smear zone".

The excavation boundaries were determined by the building along the south edge, fiber optic telephone lines along the north edge, and clean soils along the western and southern edge. Ground water was encountered in the tank basin.

Confirmation samples were collected around the perimeter of the excavation (Figure 4). The analytical report is provided in Appendix B and summarized in Table 1.

Monitoring well MW-2 was destroyed during the excavation. The well was abandoned prior to the excavation and the well abandonment form is provided in Appendix C.

### Removal of Petroleum System (tank, piping, dispensers)

The underground storage tank, piping, and dispensers were removed before the excavation. The Tank System Site Assessment report is provided in Appendix A. The storage tank was in good shape and no leaks were observed in the piping or dispensers.

A soil boring (SB-11) was installed in the former tank basin where the two former tanks were. The soil boring log is provided in Appendix C. Soil samples were collected and screened with a PID. A soil sample was collected and analyzed for PVOC+Naphthalene. The analytical report is provided in Appendix C and summarized in Table 1.

No significant petroleum impacts were observed in the former tank basin.

### Monitoring Wells

Five monitoring wells (MW-2R, MW-5, MW-6, MW-7, MW-8, PZ-1) were installed May 31, 2011 in the locations shown in Figure 3. The soil boring logs and monitoring well forms are provided in Appendix C.

The monitoring well elevations and locations were surveyed relative to a local reference.

### Ground Water Sampling

The monitoring wells were sampled twice (June 9 and September 28, 2011). The analytical reports are provided in Appendix B and summarized in Table 2.

The water levels were measured in the monitoring wells (Table 3).

### Potable Well Sampling

Several potable wells near the site were sampled including the Rosen residence, Amundson residence, Crosby – Nelson office, and the well in the park (Figure 2). Access to the site water supply was not available because the business is closed and the power is turned off.

The results of this sampling are provided in Appendix B and summarized in Table 2.

## **DATA EVALUATION**

### Hydrogeology

The landscape around Ridgeland is agricultural with ridges and valleys. Regional drainage is to the north into the South Fork of Lower Pine Creek. The site itself is relatively flat with local surface drainage in a northerly direction.

The site geology consists of 30 to 45 feet of fine to medium, well-sorted sand overlying sandstone bedrock (Figure 5). Based on well records from a nearby well (Sanna Dairies Well: Appendix D), the sandstone bedrock is the Eau Claire Formation (Cambrian) overlying Mt. Simon Formation (Cambrian). The onsite well log (Appendix D) documents “sand and gravel” at 25 feet

below grade. The “sand and gravel” may represent competent sandstone bedrock (Eau Claire Formation) although PZ-1 did not encounter bedrock at 30 feet.

Ground water is typically quite shallow (within 10 feet of grade) across the Village. The Village does not have a public water supply so residents utilize the shallow ground water for water supply. Many of the private wells are less than 50 feet deep. Sand points are still used in some houses (e.g., Amundsen house directly north of site).

The ground water level measurements indicate ground water flow is northwesterly (Figures 6 and 7) with a horizontal gradient of approximately .018.

There appears to be a slight, downward vertical gradient beneath the site based on the water levels measured in MW-6 and PZ-1. More measurements are needed to confirm this gradient.

#### Extent of Impacted Soil

The extent of impacted soil was defined with the soil borings and excavation confirmation samples. Some residual impacted soil remains around the perimeter of the excavation. The concentrations are minor and do not warrant further investigation or remediation.

The capillary fringe beneath the telephone lines along the north edge of the property (Figure 2) is impacted and will likely affect the ground water quality. However, the concentrations should decrease over time.

We do not recommend any further work with respect to soil contamination.

#### Extent of Impacted Ground Water

The extent of impacted ground water is generally defined horizontally and vertically. A plume of impacted ground water extends northwesterly across the street (Figure 8). The impacted ground water does not appear to extend to depth based on samples from PZ-1 and the Amundson water supply.

The primary concern of this plume is its potential to impact the drinking water well at the Amundson residence. Although the sampling data from the Amundson residence indicates the well is not impacted, its location relative to the contaminant plume is of concern. The well is reportedly a sand point. More information regarding the well construction should be obtained the next time we sample. The exact location in the basement of the house should be verified and the well construction (depth) confirmed. The owner (Mrs. Amundson) is concerned about the potential impact to her water supply and is cooperative.

#### Vapor Intrusion

The DNR published *Addressing Vapor Intrusion at Remediation & Redevelopment Sites in Wisconsin* in December 2010. This guidance suggests that vapor intrusion is not a concern if there is “5 feet of clean, unsaturated soil with an oxygen content  $\geq 5\%$  between the residual petroleum and the building”. In addition, the guidance suggests that vapor intrusion should be investigated if “benzene concentration in ground water underlying a building is  $> 1000$  ppb and there is less than 20 feet of unsaturated soil between the ground water and the building foundation”.

There are two buildings that were evaluated using these criteria: the site building and the Amundson residence.

The site building is of steel construction sitting on a cement slab. According to the confirmation samples (Table 1), there is impacted soil within 5 feet of the onsite building. The concentrations are below NR720 and NR746 Table Values. No petroleum odors have been detected in the building. In our opinion, the concentrations in the soil are low enough so that vapor intrusion is not of concern.

The Amundson residence has a basement (depth below grade is unknown). The basement is concrete. Although soil data adjacent to the house is not available, it is reasonable to conclude the house is greater than 5 feet away from contaminated soil.

There may be benzene impacted ground water beneath the house and within 5 feet of the basement floor. However, the concentrations in MW-6 indicate benzene is well below the 1000 ppb criteria noted in the guidance.

Although there does not appear to be vapor intrusion concerns at the Amundson house, we recommend the house be inspected for vapor intrusion. We will interview the resident (Mrs. Amundson). The basement floor and house foundation will be inspected for cracks and sumps.

## CONCLUSIONS

Based on the available data, we have the following conclusions:

- The petroleum system has been removed from the site.
- The extent of impacted soil has been defined and adequately remediated. The remedial excavation successfully removed source soils from the site. Residual petroleum impacts remain around the perimeter of the excavation and at the capillary fringe.
- The vertical and horizontal extent of impacted ground water is defined adequately.
- None of the private well samples had petroleum impacts. The Amundson residence has a private well downgradient of the site and near the contaminant plume.

## RECOMMENDATIONS

We recommend the monitoring wells and private wells be sampled three more times (quarterly). The samples will be analyzed for PVOC+Naphthalene.

The well construction and exact location of the Amundson well should be verified.

A Vapor Intrusion inspection should be conducted in the Amundson house. We will interview the owner occupant (Mrs. Amundson) and inspect the basement. The basement construction will be determined (i.e., construction materials, depth below grade, presence of sump, etc.).

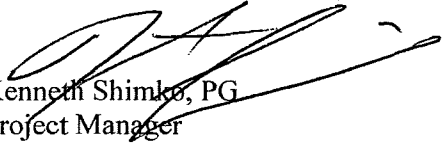
A report documenting the above work will be prepared. The site will be evaluated for Closure with GIS Registry for Soil and Ground Water.

**COST ESTIMATE**

Attached is a cost estimate for the proposed work using the current U&C Cost Schedule.

Please contact us with any comments or questions.

Sincerely,  
**MERIDIAN ENVIRONMENTAL CONSULTING, LLC**



Kenneth Shimko, PG  
Project Manager

C: Brad Shipley – current site owner  
Tim Zeichert – Commerce

# **CHANGE ORDER**

Usual & Customary Standardized Invoice

PECFA #: 54763-9623-02

Vendor Name: Change Order

BRRT's #: 03-17-223007

Invoice #: Change Order

Site Name: Corner Store

Invoice Date: May 2012

Site Address: Ridgeland

Check #: Change Order

Personal information you provide may be used for a secondary purposes [Privacy Law, s. 15.04 (1) (m), Stats.].

TASK CODE/ACTIVITY REFERENCE CODE	TASK DESCRIPTIONS/ACTIVITY REFERENCE CODE DESCRIPTION	UNIT	MAXIMUM REIMBURSEABLE UNIT COST	UNITS INVOICED	UNIT COST CLAIMED	AMOUNT CLAIMED	
<b>1 GROUNDWATER SAMPLING</b>							
GS05	Sample Collection	WELL	\$69.00	42.00	\$ 69.00	\$ 2,898.00	
GS10	Incremental Sample Collection (natural attenuation)	WELL	\$45.40		\$ -	\$ -	
GS15	Incremental Sample Collection (cadmium & lead)	WELL	\$25.00		\$ -	\$ -	
GS20	Measure Water Levels (for wells not being sampled)	WELL	\$14.00		\$ -	\$ -	
GS25	Primary Mob/Demob	SITE	\$598.20	3.00	\$ 598.20	\$ 1,794.60	
GS30	Temp Well Abandonment	WELL	\$25.70		\$ -	\$ -	
<b>4 WASTE DISPOSAL</b>							
CONSULTANT SERVICES							
WD05	Consultant Coordination	SITE	\$130.60	1.00	\$ 130.60	\$ 130.60	
COMMODITY SERVICES							
WD10	Groundwater Sample and/or Purge	DRUM	\$40.10	2.00	\$ 40.10	\$ 80.20	
WD15	Drill Cuttings	DRUM	\$103.00		\$ -	\$ -	
WD17	Landfill Environmental Fee (support documentation must be provided)	ACTUAL COST	ACTUAL COST				
WD20	Free Product	DRUM	\$113.10		\$ -	\$ -	
WD25	Primary Mob/Demob	SITE	\$274.00	1.00	\$ 274.00	\$ 274.00	
<b>6 LETTER REPORT/ADDENDUM</b>							
LRA05	Letter Report/Addendum	LETTER	\$989.80		\$ -	\$ 989.80	
<b>18 VAPOR SCREENING</b>							
VS05	Vapor Screening	SITE	\$202.30	1.00	\$ 202.30	\$ 202.30	
33	SCHEDULE OF LABORATORY MAXIMUMS	SEE ATTACHED SCHEDULE				\$	1,213.80
<b>34 CONSULTANT INCREMENTAL MOB/DEMOB</b>							
IMD05	Incremental Mob/Demob	SITE	\$273.50	1.00	\$ 273.50	\$ 273.50	
<b>36 CHANGE ORDER REQUEST (includes cost cap exceedence requests)</b>							
COR05	Change Order Request	CHANGE ORDER	\$363.60	1.00	\$ 363.60	\$ 363.60	
TOTAL AMOUNT CLAIMED						\$ 8,220.40	
						\$ 7458.90	

2691.00

No

1127.10

No



Effective Schedule Date: January 2012 to  
June 2012--Schedule #11

MATRIX	ANALYTE REFERENCE CODE	REIMBURSABLE ANALYTE	UNITS	MAXIMUM REIMBURSABLE UNIT COST	UNITS INVOICED	UNIT COST CLAIMED	AMOUNT CLAIMED TASK 33	AMOUNT CLAIMED TASK 24
AIR	A1	Benzene	SAMPLE	\$42.80		\$ -	\$ -	
	A2	BETX	SAMPLE	\$47.10		\$ -	\$ -	
	A3	GRO	SAMPLE	\$43.90		\$ -	\$ -	
	A4	VOC's	SAMPLE	\$68.50		\$ -	\$ -	
WATER	W1	GRO/PVOC	SAMPLE	\$27.80		\$ -	\$ -	
	W2	PVOC	SAMPLE	\$26.70		\$ -	\$ -	
	W3	PVOC + 1,2 DCA	SAMPLE	\$41.70		\$ -	\$ -	
	W4	PVOC + Naphthalene	SAMPLE	\$28.90	42	\$ 28.90	\$ 1,213.80	
	W5	VOC	SAMPLE	\$68.50		\$ -	\$ -	
	W6	PAH	SAMPLE	\$69.50		\$ -	\$ -	
	W7	Lead	SAMPLE	\$11.80		\$ -	\$ -	
	W8	Cadmium	SAMPLE	\$12.90		\$ -	\$ -	
	W9	Hardness	SAMPLE	\$11.80		\$ -	\$ -	
	W10	BOD, Total	SAMPLE	\$22.50		\$ -	\$ -	
	W11	Nitrate	SAMPLE	\$10.70		\$ -	\$ -	
	W12	Total Kjeldahl	SAMPLE	\$19.30		\$ -	\$ -	
	W13	Ammonia	SAMPLE	\$16.10		\$ -	\$ -	
	W14	Sulfate	SAMPLE	\$9.70		\$ -	\$ -	
	W15	Iron	SAMPLE	\$9.70		\$ -	\$ -	
	W16	Manganese	SAMPLE	\$9.70		\$ -	\$ -	
	W17	Alkalinity	SAMPLE	\$9.70		\$ -	\$ -	
	W18	Methane	SAMPLE	\$43.90		\$ -	\$ -	
	W19	Phosphorous	SAMPLE	\$17.20		\$ -	\$ -	
	W20	VOC Method 524.2	SAMPLE	\$167.90		\$ -	\$ -	
	W21	EDB Method 504	SAMPLE	\$90.90		\$ -	\$ -	
SOILS	S1	GRO	SAMPLE	\$23.60		\$ -	\$ -	\$0.00 \$23.60
	S2	DRO	SAMPLE	\$28.90		\$ -	\$ -	\$0.00 \$28.90
	S3	GRO/PVOC	SAMPLE	\$26.80		\$ -	\$ -	\$0.00 \$26.80
	S4	PVOC	SAMPLE	\$24.60		\$ -	\$ -	\$0.00 \$24.60
	S5	PVOC + 1,2 DCA + Naphthalene	SAMPLE	\$47.10		\$ -	\$ -	\$0.00 \$47.10
	S6	PVOC + Naphthalene	SAMPLE	\$34.30		\$ -	\$ -	\$0.00 \$34.30
	S7	VOC	SAMPLE	\$68.50		\$ -	\$ -	\$0.00 \$68.50
	S8	SPLP Extraction VOC only	SAMPLE	\$48.20	7	\$ -	\$ -	\$0.00 \$48.20
	S9	PAH	SAMPLE	\$69.50		\$ -	\$ -	\$0.00 \$69.50
	S10	Lead	SAMPLE	\$11.80		\$ -	\$ -	\$0.00 \$11.80
	S11	Cadmium	SAMPLE	\$13.90		\$ -	\$ -	
	S12	Free Liquid	SAMPLE	\$10.70		\$ -	\$ -	
	S13	Flash Point	SAMPLE	\$24.60		\$ -	\$ -	
	S14	Grain Size - dry	SAMPLE	\$40.70		\$ -	\$ -	
	S15	Grain Size - wet	SAMPLE	\$54.60		\$ -	\$ -	
	S16	Bulk Density	SAMPLE	\$12.90		\$ -	\$ -	
	S17	Permeability	SAMPLE	\$39.60		\$ -	\$ -	
	S18	Nitrogen as Total Kjeldahl	SAMPLE	\$19.30		\$ -	\$ -	
	S19	Nitrogen as Ammonia	SAMPLE	\$16.10		\$ -	\$ -	
	S20	% Organic Matter	SAMPLE	\$27.80		\$ -	\$ -	
	S21	TOC as NPOC	SAMPLE	\$54.60		\$ -	\$ -	
	S22	Soil Moisture Content	SAMPLE	\$6.50		\$ -	\$ -	
	S23	Air Filled Porosity	SAMPLE	\$24.60		\$ -	\$ -	
	S24	% Total Solids	SAMPLE	\$6.50		\$ -	\$ -	
	S25	Field Capacity	SAMPLE	\$26.80		\$ -	\$ -	
	S26	TCLP Lead	SAMPLE	\$79.20		\$ -	\$ -	
	S27	Cation Exchange (Ca, MG, & K)	SAMPLE	\$25.70		\$ -	\$ -	
	S28	TCLP Cadmium	SAMPLE	\$79.20		\$ -	\$ -	
	S29	TCLP Benzene	SAMPLE	\$79.20		\$ -	\$ -	
LNAPL Fluid Property Suite	LFPS01	Viscosity	SAMPLE	\$534.60		\$ -	\$ -	
		Density	SAMPLE					
		Interfacial tension I (LNAPL/water [dyne/cm])	SAMPLE					
		Interfacial tension II (LNAPL/air [dyne/cm])	SAMPLE					
		Interfacial tension III (water/air [dyne/cm])	SAMPLE					
TASK 33 TOTAL					\$	1,213.80		
TASK 24 TOTAL					\$			
TOTAL LAB CHARGES							\$	1,213.80

## **TABLES**

**Table 1: Soil Sample Analytical Results**

Corner Store  
Ridgeland, WI  
Meridian No. 05F761

**Tank Closure Assessment Soil Samples (collected May 1999)**

Sample	Depth (ft)	GRO (mg/kg)
P1	3	5130
P2	3	45.3
T1	6	ND
T2	6	ND
T3	6	ND
T4	6	ND

100 Concentration exceeds Regulatory Standard

**Samples Collected by Cedar Corp (October 2007) (see previous reports)**

Sample	Depth (ft)	Units	Benzene	Ethyl Benzene	MTBE	Toluene	1,2,4 TMB	1,3,5 TMB	Xylenes
P3	4-5	mg/kg	120	190	<2.7	730	350	99	980
P3	7	mg/kg	12	40	<.55	110	100	28	220
P3	ground water	ug/l	1900	500	<9.2	3200	430	120	2700

**Soil Samples Collected June 2010**

Sample	Depth (ft)	1,2,4-TMB	1,3,5-TMB	Total TMBs	Benzene	Ethyl benzene	m,p-Xylenes	o-xylenes	Total Xylenes	MTBE	Naphthalene	Toluene
Units		mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
MW-1	3	<0.014	<0.019	<0.019	0.14	0.056	0.158	<0.017	0.158	<0.012	<0.019	0.295
MW-2	4	380	134	514	57.8	159	662	261	923	<2.30	44.6	689
MW-3	3	<0.014	<0.019	<0.019	<0.017	<0.019	<0.022	<0.017	<0.022	<0.012	<0.019	<0.018
SB-4	3	<0.014	<0.020	<0.020	<0.018	<0.020	<0.023	<0.018	<0.023	<0.012	<0.020	0.115
SB-5	3	91.7	34	125.7	3.08	32.6	117	48.9	165.9	<0.119	19.8	45.4
SB-6	3	279	98	377	29.8	107	434	175	609	<1.18	33.4	266
SB-8	3	<0.014	<0.019	<0.019	0.223	0.076	0.201	0.071	0.272	<0.012	<0.019	0.44
SB-9/MW-4	3	<0.013	<0.018	<0.018	<0.016	<0.018	<0.021	<0.016	<0.021	<0.011	<0.018	<0.017
SB-10	3	0.078	0.057	0.135	0.389	0.147	0.448	0.133	0.581	<0.011	<0.019	1.19

**Excavation Confirmation Samples (collected 5/24/11)**

Sample	Depth	Location	1,2,4-TMB	1,3,5-TMB	Total TMBs	Benzene	Ethyl benzene	m,p-Xylenes	o-xylenes	Total Xylenes	MTBE	Toluene	Naphthalene	GRO
Units	ft		mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
T-S-W	5	south west corner tank basin	0.277	0.127	0.404	0.091	0.122	0.378	0.207	0.585	<.024	0.384	NA	5.6
T-N-E	5	northeast corner tank basin	0.103	0.055	0.158	0.066	0.094	0.282	0.12	0.402	<.026	0.282	NA	<5.52
T-S-E	5	southeast corner tank basin	0.312	0.153	0.465	0.11	0.159	0.491	0.274	0.765	<.024	0.522	NA	7.71
T-N-W	5	northwest corner tank basin	0.072	<.02	0.072	0.074	0.076	0.214	0.094	0.308	<.026	0.212	NA	<5.42
T-W	5	west wall tank basin	0.126	0.056	0.182	0.061	0.09	0.3	0.137	0.437	<.024	0.291	NA	<5.1
T-E	5	east wall tank basin	0.146	0.065	0.211	0.076	0.112	0.368	0.163	0.531	<.027	0.374	NA	<5.52
P.I	2	below pump island	9.24	3.56	12.8	<.08	1.54	5.94	2.39	8.33	<.12	1.28	NA	213
Piping	2	below piping	<.013	<.018	<.018	<.016	<.018	0.108	<.016	0.108	<.024	0.056	NA	<5
N-E	3	north wall - east 1/2 - excavation	0.483	0.158	0.641	0.131	0.107	0.354	0.197	0.551	<.026	0.187	0.373	NA
N-W	3	north wall - west 1/2 - excavation	0.415	0.155	0.57	0.157	0.138	0.431	0.231	0.662	<.03	0.135	0.153	NA
S-E	3	south wall - east 1/2 - excavation	0.062	<.021	0.062	<.018	<.021	0.145	<.018	0.145	<.027	0.104	<.021	NA
S-W	3	south wall - west 1/2 - excavation	<.014	<.019	<.019	<.017	<.019	0.121	<.017	0.121	<.026	0.085	<.019	NA
W-S	3	west wall - south 1/2 - excavation	<.014	<.019	<.019	<.017	<.019	0.127	<.017	0.127	<.026	0.098	<.019	NA
W-N	3	west wall - north 1/2 - excavation	<.015	<.021	<.021	<.018	<.021	0.126	<.018	0.126	<.028	0.089	<.021	NA
E-N	3	east wall - north 1/2 - excavation	0.097	0.071	0.168	<.016	<.018	0.123	<.016	0.123	<.024	0.07	0.103	NA
E-S	3	east wall - south 1/2 - excavation	<.013	<.025	<.025	<.016	<.018	0.105	<.016	0.105	<.024	0.064	<.018	NA
Old Tank 4-6' (SB-11)	4-6	former tank basin	0.096	0.152	0.248	<.016	<.018	0.167	0.09	0.257	<.024	0.084	0.073	NA

**Soil Standards**

Standard	mg/kg												
NR720					0.0055	2.9				4.1			
NR746 Table 1			83	11		8.5	4.6			42		2.7	38
NR746 Table 2						1.1							

**Table 2: Ground Water Analytical Results**

Corner Store  
Ridgeland, WI  
Meridian No. 05F761

Well	Date	1,2,4 TMB (µ/L)	1,3,5 TMB (µ/L)	Total TMB's (µ/L)	Benzene (µ/L)	Ethylbenzene (µ/L)	m,p-Xylenes (µ/L)	o-Xylenes (µ/L)	Total Xylenes (µ/L)	MTBE (µ/L)	Naphthalene (µ/L)	Toluene (µ/L)
NR 140 PAL				96	0.5	140			1000	12	10	200
NR 140 ES				480	5	700			10000	60	100	1000
MW-1	6/22/2010	<.2	<.2	<.2	<.2	<.2	<.4	<.2	<.4	<.5	<1.0	<.4
	9/21/2010	<.4	<.44	<.44	<.31	<.5	<.62	<.77	<.77	<.3	<.8	<.37
	6/9/2011	<b>0.801</b>	<.44	<b>0.801</b>	<.31	<.5	<b>1.03</b>	<.77	<b>1.03</b>	<.3	<.8	<.37
	9/28/2011	<.4	<.44	<.44	<.31	<.5	<.62	<.77	<.77	<.3	<.8	<.37
MW-2	6/22/2010	<b>5740</b>	<b>1460</b>	<b>7200</b>	<b>19000</b>	<b>4730</b>	<b>19100</b>	<b>8110</b>	<b>27210</b>	<.50	<b>1270</b>	<b>32700</b>
	9/21/2010	<b>23500</b>	<b>7360</b>	<b>30860</b>	<b>41800</b>	<b>14100</b>	<b>73400</b>	<b>23000</b>	<b>96400</b>	<b>910</b>	<b>5770</b>	<b>99600</b>
MW-2R	6/9/2011	<b>903</b>	<b>290</b>	<b>1193</b>	<b>1530</b>	<b>765</b>	<b>3330</b>	<b>1540</b>	<b>4870</b>	<.15	<b>199</b>	<b>5260</b>
	9/28/2011	<b>1110</b>	<b>466</b>	<b>1576</b>	<b>1260</b>	<b>1070</b>	<b>1970</b>	<b>12.9</b>	<b>1982.9</b>	<b>53.2</b>	<b>343</b>	<b>70.5</b>
MW-3	6/22/2010	<b>42.1</b>	<b>15.4</b>	<b>57.5</b>	<b>601</b>	<b>89.2</b>	<b>45.8</b>	<b>11.1</b>	<b>56.9</b>	<.5	<b>14.5</b>	<b>9.17</b>
	9/21/2010	<b>62.2</b>	<b>8.13</b>	<b>70.33</b>	<b>872</b>	<b>87</b>	<b>78.2</b>	<b>61.8</b>	<b>140</b>	<b>2.22</b>	<b>29</b>	<b>13</b>
	6/9/2011	<b>240</b>	<b>71.7</b>	<b>311.7</b>	<b>3270</b>	<b>445</b>	<b>520</b>	<b>293</b>	<b>813</b>	<.15	<b>127</b>	<b>255</b>
	9/28/2011	<b>373</b>	<b>79.6</b>	<b>452.6</b>	<b>1860</b>	<b>404</b>	<b>525</b>	<b>248</b>	<b>773</b>	<.3	<b>104</b>	<b>39.2</b>
MW-4	6/22/2010	<.2	<.2	<.2	<.2	<.2	<.4	<.2	<.4	<.5	<1.0	<.4
	9/21/2010	<.4	<.44	<.44	<.31	<.5	<.62	<.77	<.77	<.3	<.8	<.37
	6/9/2011	<.4	<.44	<.44	<.31	<.5	<.62	<.77	<.77	<.3	<.8	<.37
	9/28/2011	<.4	<.44	<.44	<.31	<.5	<.62	<.77	<.77	<.3	<.8	<.37
MW-5	6/9/2011	<.4	<.44	<.44	<.31	<.5	<.62	<.77	<.77	<.3	<.8	<.37
	9/28/2011	<.4	<.44	<.44	<.31	<.5	<.62	<.77	<.77	<.3	<.8	<.37
MW-6	6/9/2011	<.4	<.44	<.44	<b>23.7</b>	<.5	<.62	<.77	<.77	<.3	<.8	<.37
	9/28/2011	<.4	<.44	<.44	<b>40.8</b>	<b>1.9</b>	<.62	<b>1.08</b>	<b>1.08</b>	<.3	<.8	<b>0.552</b>
MW-7	6/9/2011	<.4	<.44	<.44	<.31	<.5	<.62	<.77	<.77	<.3	<.8	<.37
	9/28/2011	<.4	<.44	<.44	<.31	<.5	<.62	<.77	<.77	<.3	<.8	<.37
MW-8	6/9/2011	<.4	<.44	<.44	<.31	<.5	<.62	<.77	<.77	<.3	<.8	<.37
	9/28/2011	<.4	<.44	<.44	<.31	<.5	<.62	<.77	<.77	<.3	<.8	<.37
PZ-1	6/9/2011	<.4	<.44	<.44	<.31	<.5	<.62	<.77	<.77	<.3	<.8	<.37
	9/28/2011	<.4	<.44	<.44	<.31	<.5	<.62	<.77	<.77	<.3	<.8	<.37
TMW	6/22/2010	<b>6.35</b>	<b>1.54</b>	<b>7.89</b>	<b>229</b>	<b>0.93</b>	<b>3.11</b>	<b>4.77</b>	<b>7.88</b>	<.5	<b>7.06</b>	<b>0.72 J</b>
	9/21/2010	<.4	<.44	<b>3.64</b>	<.31	<.5	<.62	<b>0.814</b>	<b>0.814</b>	<.3	<.8	<.37
	6/9/2011	<b>2.74</b>	<.22	<b>2.74</b>	<b>421</b>	<b>30.1</b>	<.31	<b>9.42</b>	<b>9.42</b>	<.15	<.10	<b>5.95</b>
	9/28/2011	<b>4.54</b>	<b>1.26</b>	<.44	<b>83.7</b>	<.5	<b>6.3</b>	<b>10.7</b>	<b>17</b>	<b>2.03</b>	<b>2.42</b>	<b>2.8</b>
Store	8/6/2010	<.4	<.44	<.44	<.31	<.5	<.62	<.77	<.77	<.3	<.8	<.37
Amundson	6/9/2011	<.4	<.44	<.44	<.31	<.5	<.62	<.77	<.77	<.3	<.8	<.37
	9/28/2011	<.4	<.44	<.44	<.31	<.5	<.62	<.77	<.77	<.3	<.8	<.37
Rosen	6/9/2011	<.4	<.44	<.44	<.31	<.5	<.62	<.77	<.77	<.3	<.8	<.37
	9/28/2011	<.4	<.44	<.44	<.31	<.5	<.62	<.77	<.77	<.3	<.8	<.37
Crosby-Nelson	6/9/2011	<.4	<.44	<.44	<.31	<.5	<.62	<.77	<.77	<.3	<.8	<.37
	9/28/2011	<.4	<.44	<.44	<.31	<.5	<.62	<.77	<.77	<.3	<.8	<.37
Park	6/9/2011	<.4	<.44	<.44	<.31	<.5	<.62	<.77	<.77	<.3	<.8	<.37

Notes:

- PAL Wisconsin Administrative Code Chapter 140 Preventative Action Limit for Ground Water
- ES Wisconsin Administrative Code Chapter 140 Enforcement Standard for Ground Water
- NS No Standard
- ND Non Detect
- Bold Analyte Detected
- 10 Analyte Exceeds NR 140 ES

**Table 3: Ground Water Measurements**

Corner Store  
Ridgeland, WI  
Meridian No. 05F761

MW-1			MW-2			MW-2R (installed 5/31/11)			MW-3		
Surface Elevation (ft)		100.5	Surface Elevation (ft)		100.66	Surface Elevation (ft)		99.75	Surface Elevation (ft)		99.00
Top of Casing Elevation (ft)		100	Top of Casing Elevation (ft)		100.16	Top of Casing Elevation (ft)		99.51	Top of Casing Elevation (ft)		98.95
Top of Screen Elevation (ft)		95.7	Top of Screen Elevation (ft)		95.16	Top of Screen Elevation (ft)		96.00	Top of Screen Elevation (ft)		94.00
Bottom of Screen Elevation (ft)		85.7	Bottom of Screen Elevation (ft)		85.16	Bottom of Screen Elevation (ft)		86.00	Bottom of Screen Elevation (ft)		84.00
Meas. Date	DTW (ft)	GW Elev (ft)	Meas. Date	DTW (ft)	GW Elev (ft)	Meas. Date	DTW (ft)	GW Elev (ft)	Meas. Date	DTW (ft)	GW Elev (ft)
6/22/2010	5.57	94.43	6/22/2010	6.93	93.23				6/22/2010	6.01	92.94
9/21/2010	5.1	94.9	9/21/2010	6.6	93.56				9/21/2010	5.59	93.36
6/9/2011	3.8	96.2	destroyed during excavation 5/24/11)			6/9/2011	4.31	95.20	6/9/2011	4.64	94.31
9/28/2011	4.01	95.99				9/28/2011	4.54	94.97	9/28/2011	4.85	94.10

MW-4			MW-5 (installed 5/31/11)			MW-6 (installed 5/31/11)			MW-7 (installed 6/1/11)		
Surface Elevation (ft)		100.14	Surface Elevation (ft)		98.75	Surface Elevation (ft)		98.25	Surface Elevation (ft)		100.25
Top of Casing Elevation (ft)		99.64	Top of Casing Elevation (ft)		98.45	Top of Casing Elevation (ft)		98.04	Top of Casing Elevation (ft)		100.05
Top of Screen Elevation (ft)		94.64	Top of Screen Elevation (ft)		94.75	Top of Screen Elevation (ft)		94.25	Top of Screen Elevation (ft)		96.25
Bottom of Screen Elevation (ft)		84.64	Bottom of Screen Elevation (ft)		84.75	Bottom of Screen Elevation (ft)		84.25	Bottom of Screen Elevation (ft)		86.25
Meas. Date	DTW (ft)	GW Elev (ft)	Meas. Date	DTW (ft)	GW Elev (ft)	Meas. Date	DTW (ft)	GW Elev (ft)	Meas. Date	DTW (ft)	GW Elev (ft)
6/22/2010	6.16	93.48									
9/21/2010	5.72	93.92									
6/9/2011	4.64	95.00	6/9/2011	4.15	94.30	6/9/2011	4.29	93.75	6/9/2011	5.53	94.52
9/28/2011	4.88	94.76	9/28/2011	4.33	94.12	9/28/2011	4.48	93.56	9/28/2011	5.82	94.23

MW-8 (installed 6/1/11)			PZ-1 (installed 5/31/11)			TMW		
Surface Elevation (ft)		98.00	Surface Elevation (ft)		98.00	Surface Elevation (ft)		99.46
Top of Casing Elevation (ft)		97.84	Top of Casing Elevation (ft)		97.89	Top of Casing Elevation (ft)		99.21
Top of Screen Elevation (ft)		94.00	Top of Screen Elevation (ft)		73.00	Top of Screen Elevation (ft)		94.46
Bottom of Screen Elevation (ft)		84.00	Bottom of Screen Elevation (ft)		68.00	Bottom of Screen Elevation (ft)		84.46
Meas. Date	DTW (ft)	GW Elev (ft)	Meas. Date	DTW (ft)	GW Elev (ft)	Meas. Date	DTW (ft)	GW Elev (ft)
						6/22/2010	6.43	91.46
						9/21/2010	5.8	92.09
6/9/2011	4.97	92.87	6/9/2011	4.22	93.67	6/9/2011	4.79	93.10
9/28/2011	5.15	92.69	9/28/2011	4.4	93.49	9/28/2011	5.02	92.87

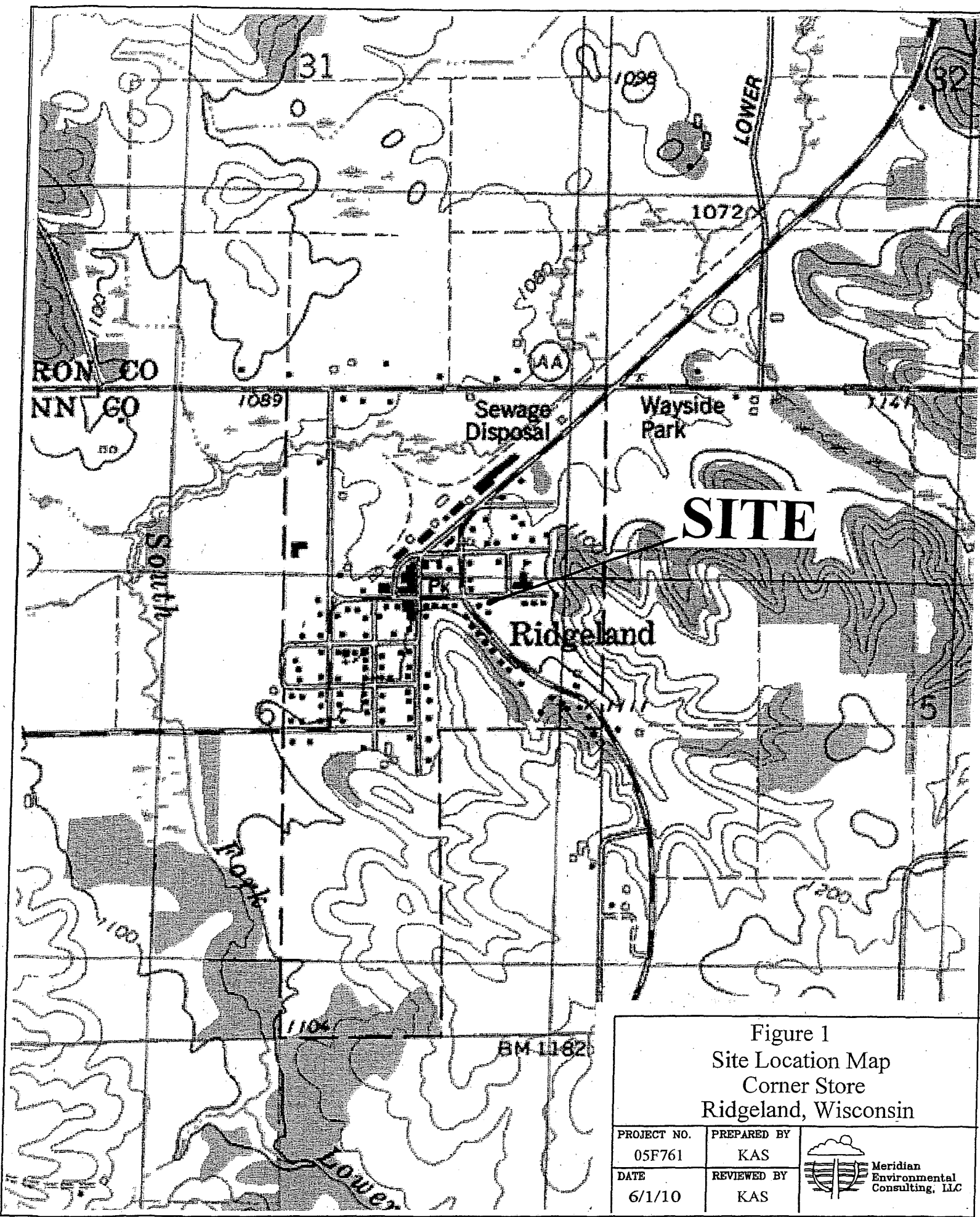
**Free Product Measurements (MW-2)**

Date	PT (in)	Bail (gallons)
June 22, 2010	5	3
July 29, 2010	10	3
September 21, 2010	2	3

**Vertical Gradient Measurements (between MW-6 and PZ-1)**

Well	6/9/2011	9/28/2011
MW-6	93.75	93.56
PZ-1	93.67	93.49
Gradient	downward	downward

## **FIGURES**



**SITE**

Figure 1  
 Site Location Map  
 Corner Store  
 Ridgeland, Wisconsin

PROJECT NO. 05F761	PREPARED BY KAS
DATE 6/1/10	REVIEWED BY KAS





● Park Well

● Amundson

Garage

Rosen ●

Sewer

E MAIN STREET

Crosby-Nelson ●

Highway 25

SIGN

PUMP ISLAND

CORNER STORE

PRIVATE WELL ●

Approx. Property Boundary

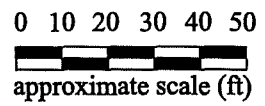
Auto Repair & Sales

FORMER TANKS


4K Tank (removed)

**Legend**

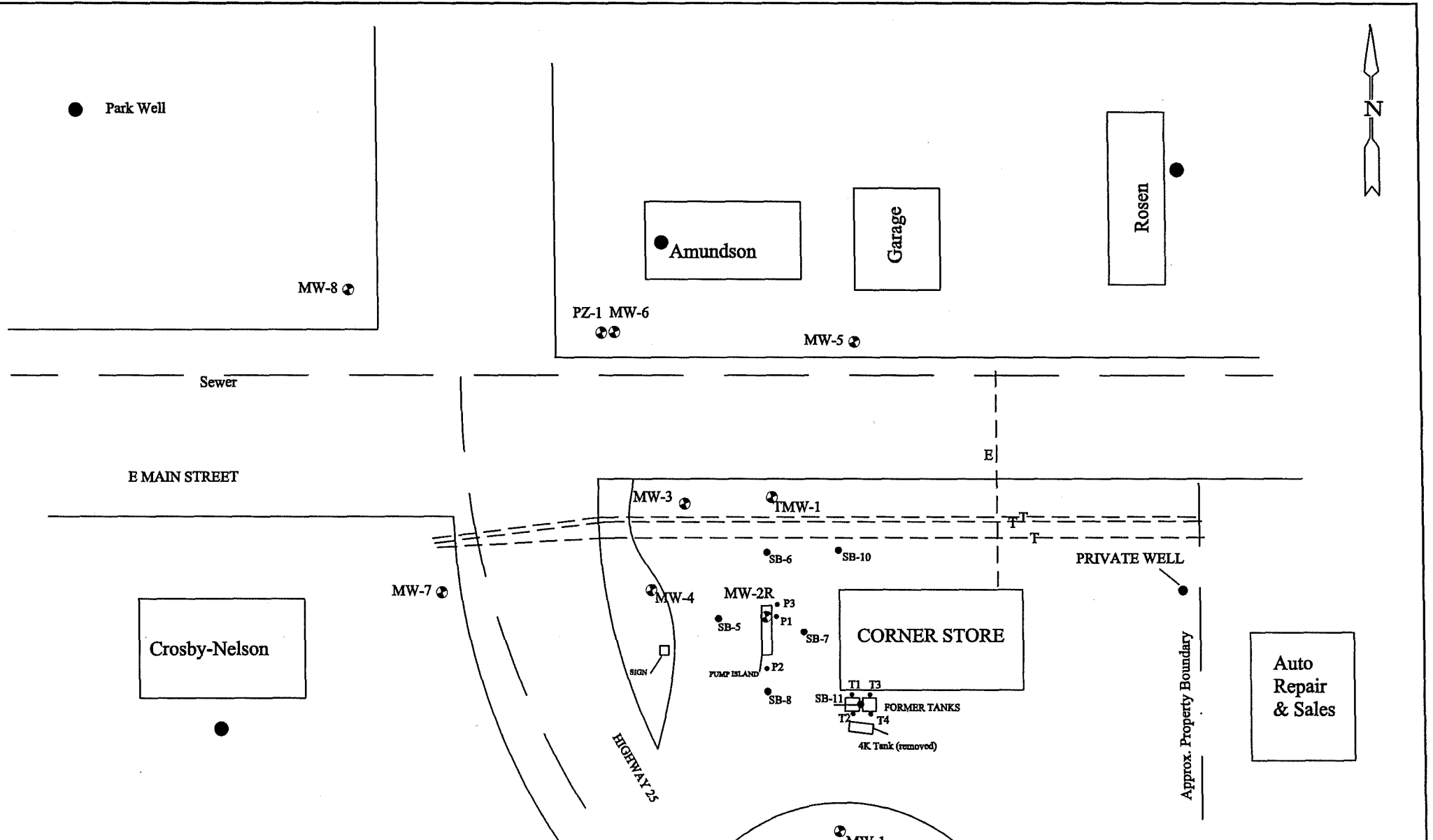
- Private Well
- T Buried Telephone Line
- E Buried Electrical Line



**Figure 2**  
**Site Map**  
**Fosters Corner Store**  
**Ridgeland, Wisconsin**

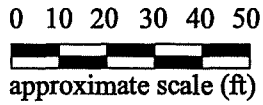
PROJECT NO. 05F761	PREPARED BY KAS	 Meridian Environmental Consulting, LLC
DATE 4/27/12	REVIEWED BY KAS	






**Legend**

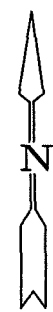
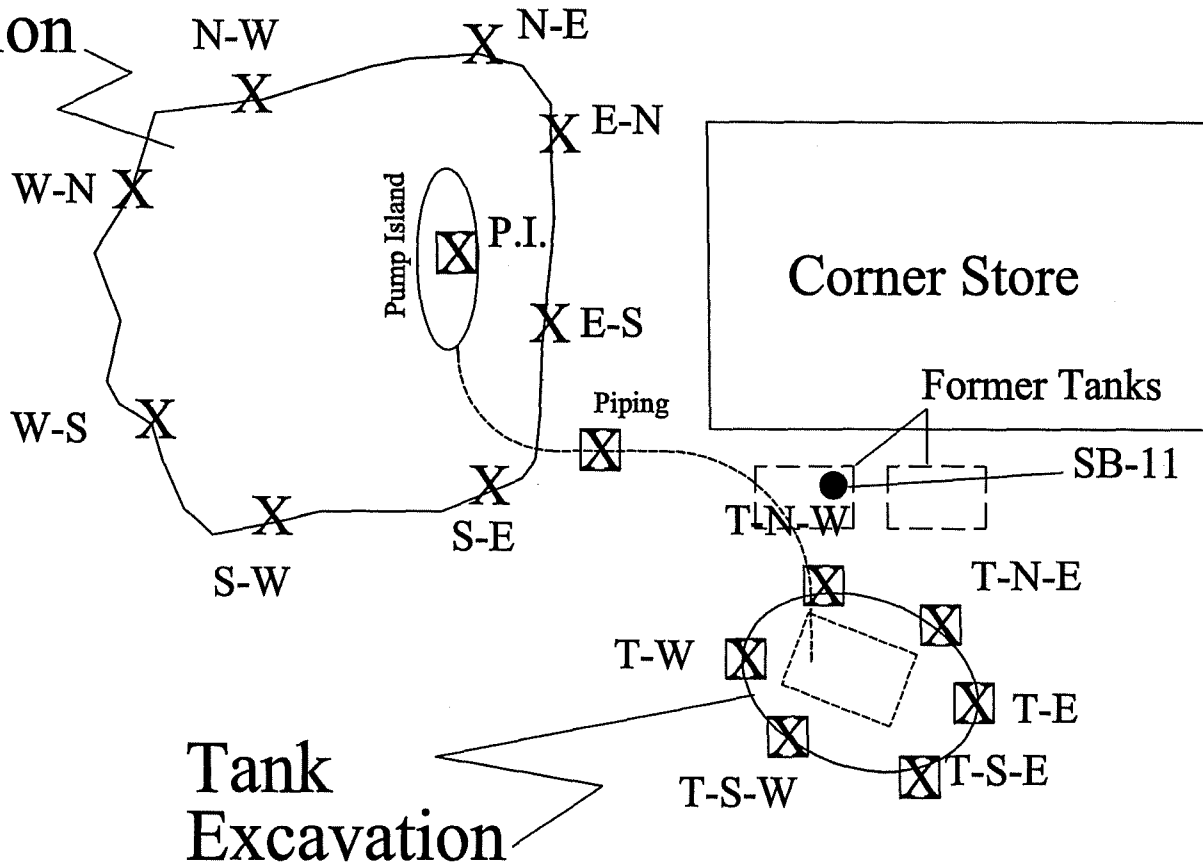
- Private Well
- T Buried Telephone Line
- E Buried Electrical Line



**Figure 3**  
Soil Borings & Monitoring Wells  
Fosters Corner Store  
Ridgeland, Wisconsin

PROJECT NO. 05F761	PREPARED BY KAS	 Meridian Environmental Consulting, LLC
DATE 4/27/12	REVIEWED BY KAS	

# Remedial Excavation



## Sample Locations

X - Remedial Excavation Samples

⊠ - TSSA Sample Location

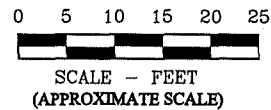



Figure 4  
Soil Sample Locations  
Corner Store  
Ridgeland, WI

PROJECT NO. 05F761	PREPARED BY RSK	 Meridian Environmental Consulting, LLC
DATE 5/3/12	REVIEWED BY KAS	

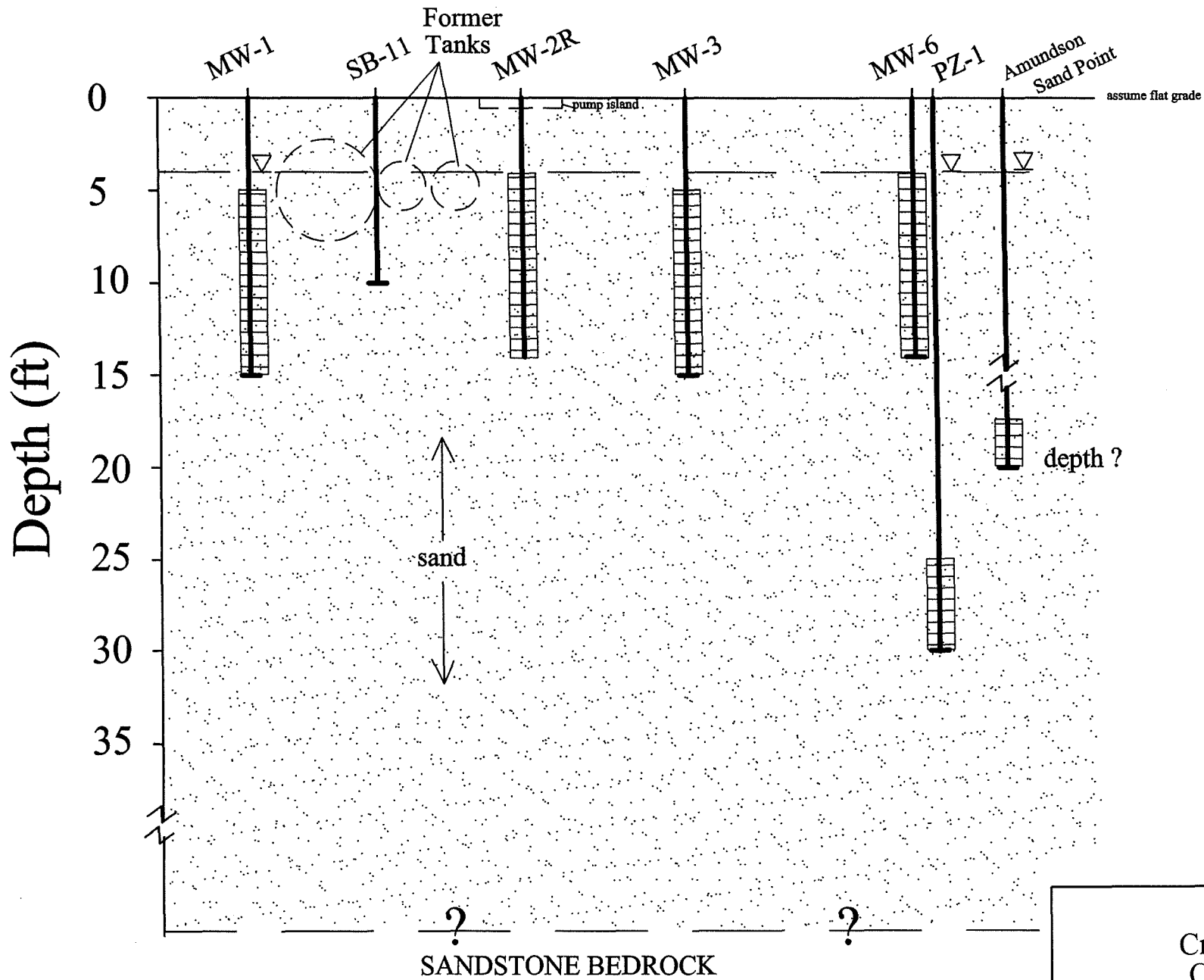
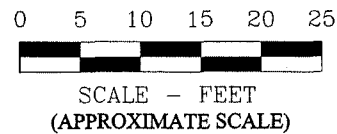
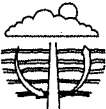
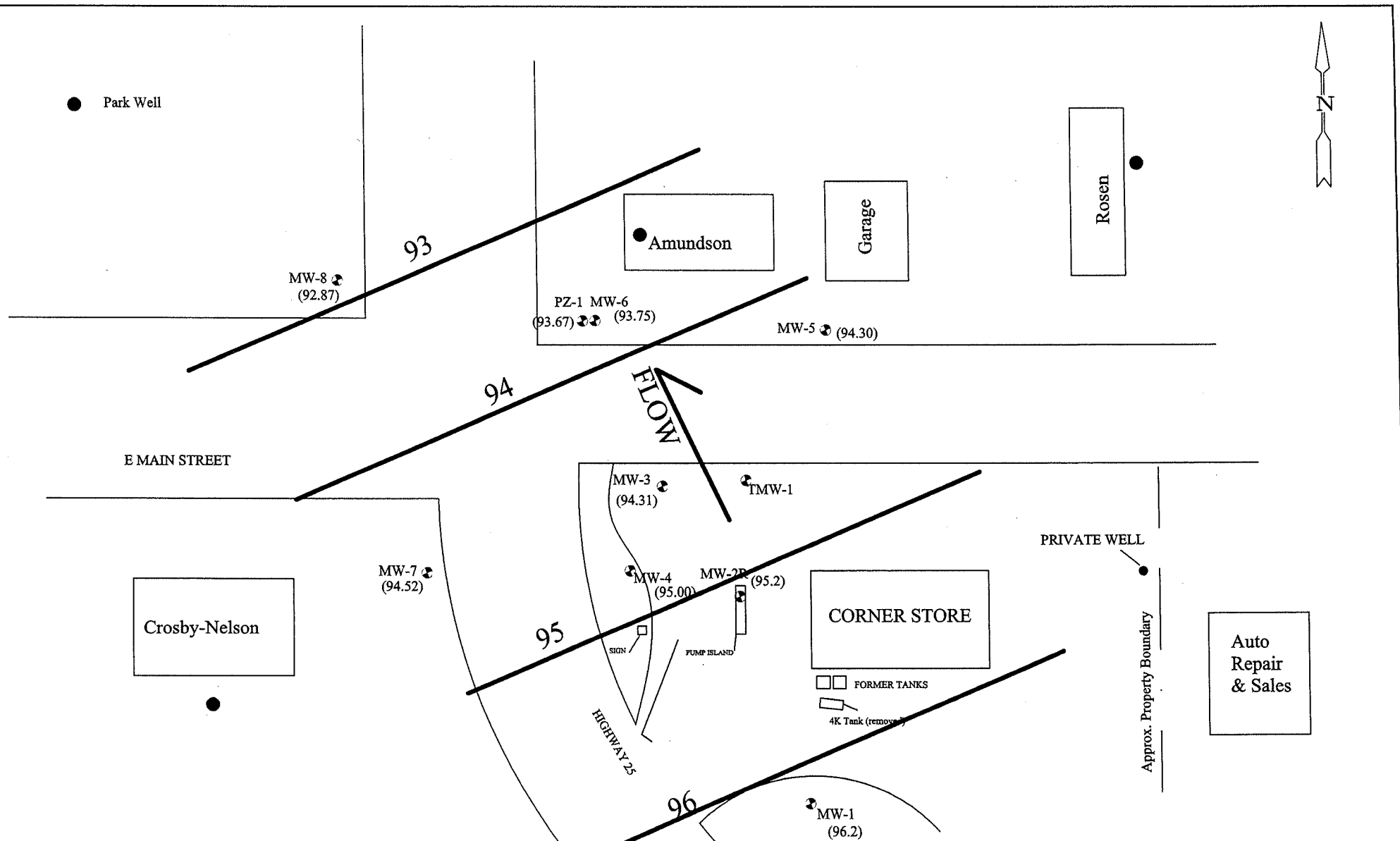


Figure 5  
 Cross-Section  
 Corner Store  
 Ridgeland, WI

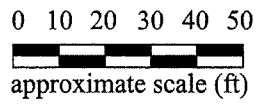


PROJECT NO. 05F761	PREPARED BY KAS	 Meridian Environmental Consulting, LLC
DATE 5/4/12	REVIEWED BY KAS	

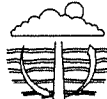


**Legend**

- Private Well
- T Buried Telephone Line
- E Buried Electrical Line



**Figure 6**  
**Ground Water Table (6/9/11)**  
**Fosters Corner Store**  
**Ridgeland, Wisconsin**

PROJECT NO. 05F761	PREPARED BY KAS	 Meridian Environmental Consulting, LLC
DATE 4/27/12	REVIEWED BY KAS	



● Park Well

MW-8 (92.87)

93

Amundson

Garage

Rosen

PZ-1 MW-6 (93.67)

MW-5 (94.30)

94

FLOW

E MAIN STREET

Crosby-Nelson

MW-7 (94.52)

MW-3 (94.31)

TMW-1

MW-4 (95.00)

MW-2R (95.2)

PRIVATE WELL

95

HIGHWAY 25

CORNER STORE

Approx. Property Boundary

Auto Repair & Sales

FORMER TANKS

4K Tank (removed)

96

MW-1 (96.2)

Legend

- Private Well
- T Buried Telephone Line
- E Buried Electrical Line

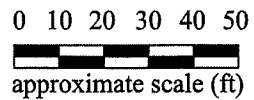
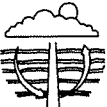
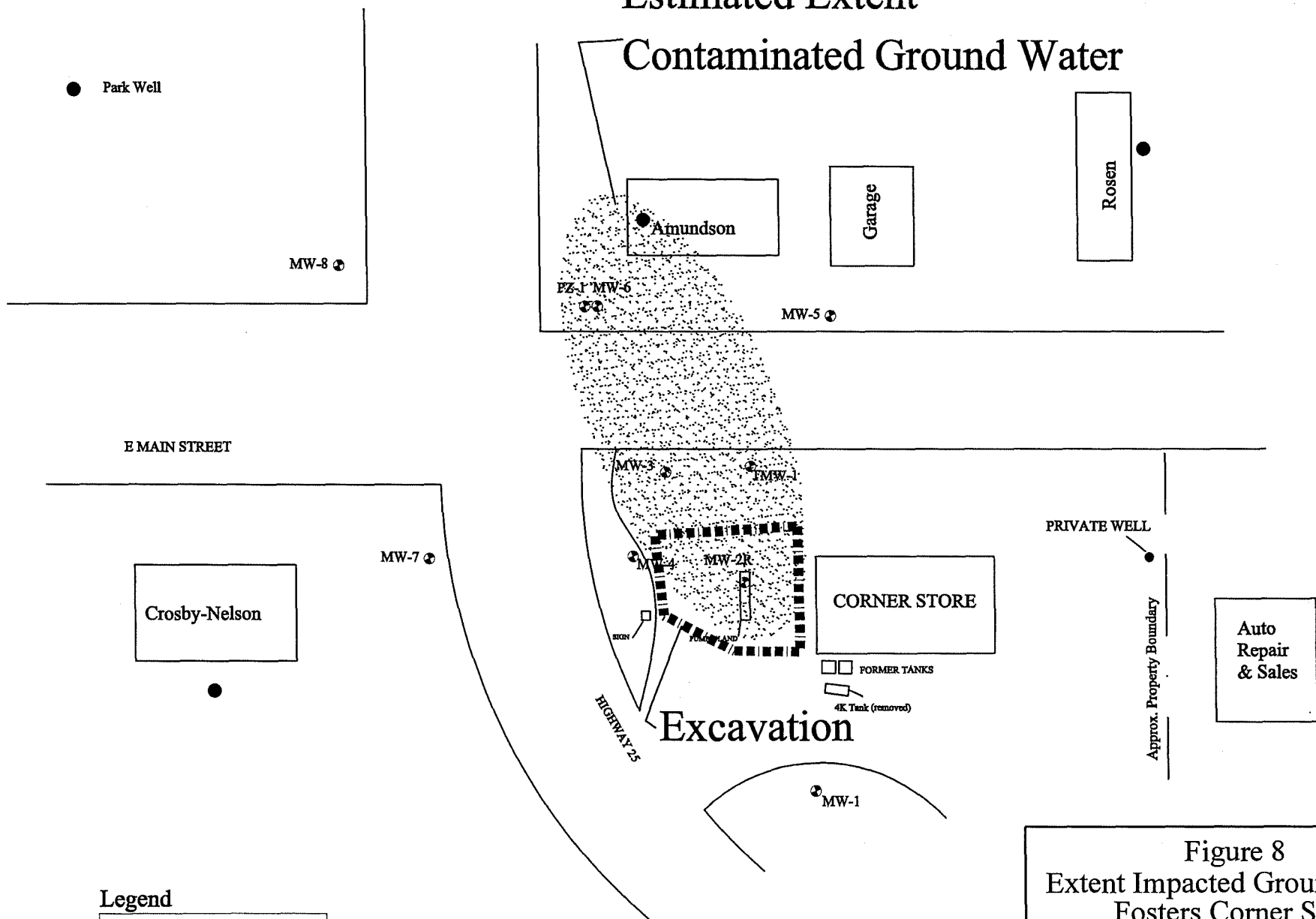


Figure 7  
Ground Water Table (9/28/11)  
Fosters Corner Store  
Ridgeland, Wisconsin

PROJECT NO. 05F761	PREPARED BY KAS	
DATE 4/27/12	REVIEWED BY KAS	

# Estimated Extent Contaminated Ground Water



### Legend

- Private Well
- T Buried Telephone Line
- E Buried Electrical Line

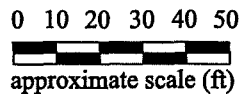
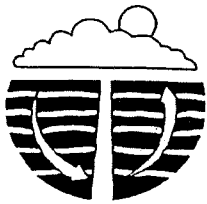


Figure 8  
Extent Impacted Ground Water  
Fosters Corner Store  
Ridgeland, Wisconsin

PROJECT NO. 05F761	PREPARED BY KAS	 Meridian Environmental Consulting, LLC
DATE 4/27/12	REVIEWED BY KAS	

**APPENDIX A**  
**TSSA REPORT**



## Meridian Environmental Consulting, LLC

---

August 8, 2011

UST Closure Assessments – RR/3  
Department of Natural Resources  
P.O. Box 7921  
Madison, WI 53707

Subject: TSSA Sampling Results  
Corner Store  
100 Tonnar Street  
Ridgeland, WI 54763  
DNR BRRTS No. 03-17-223007  
PECFA No. 54763-9623-02  
Meridian No. 05F761

### TSSA Summary

A 4,000 gallon gasoline storage tank was removed from this site on May 24, 2011. The site is an active PECFA site due to a release from a former petroleum system. A remedial excavation was completed May 24 & 25, 2011. TSSA and remedial excavation confirmation sample results are included with this letter.

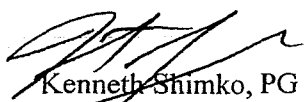
The site geology is uniform medium sand to depth. Ground water is found about 5 feet below grade. The tank was held in place by steel straps attached to concrete anchor underneath tank. TSSA samples were collected at water table around perimeter of tank excavation.

The tank was in good condition with no leaks. Piping was fiberglass with no leaks.

Petroleum constituents were measured in the TSSA and confirmation samples and are from former tank system impacts to ground water.

Sincerely,

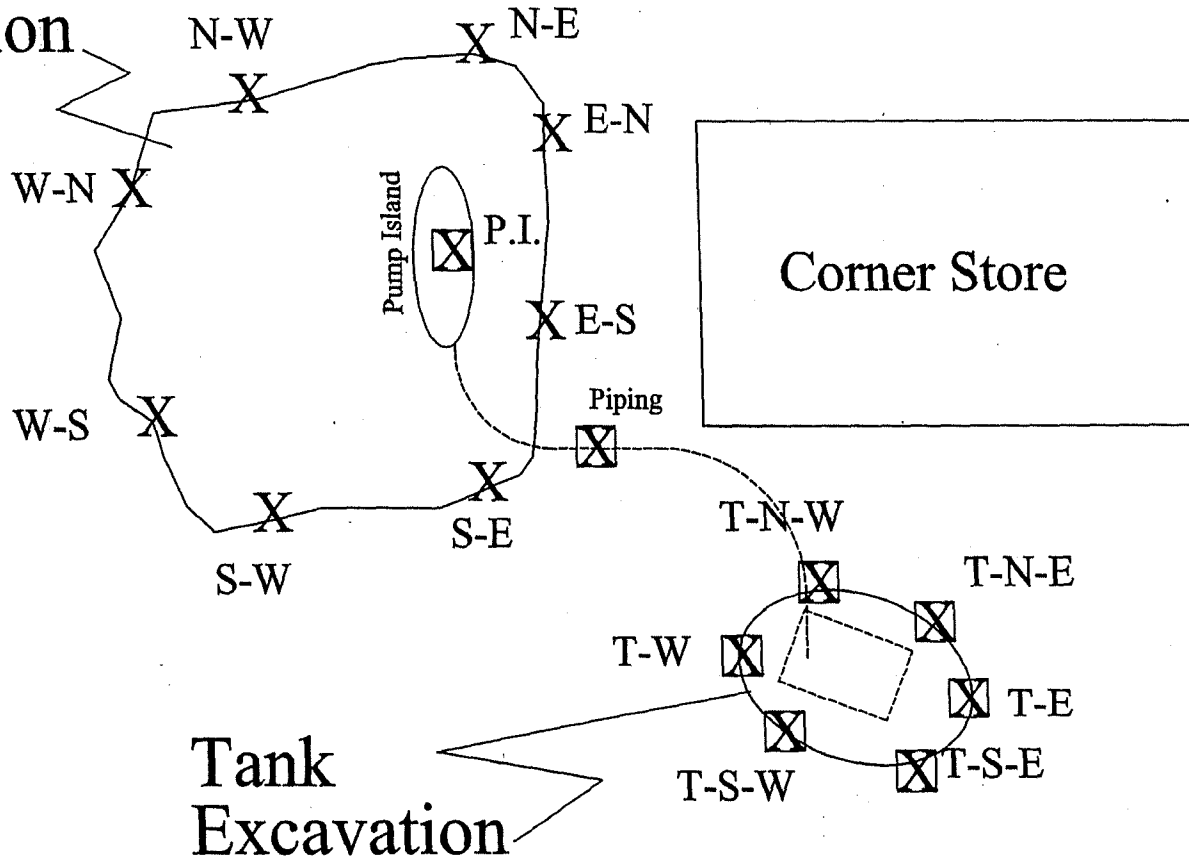
**MERIDIAN ENVIRONMENTAL CONSULTING, LLC**

  
Kenneth Shimko, PG  
Site Assessor #41961

C: Tim Zeichert – PECFA  
Pat Collins - DNR



# Remedial Excavation



# Tank Excavation

## Sample Locations

X - Remedial Excavation Samples

☒ - TSSA Sample Location

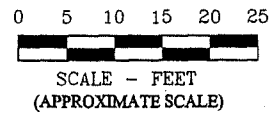



Figure  
Soil Sample Locations  
Corner Store  
Ridgeland, WI

PROJECT NO. 05F761	PREPARED BY RSK	 Meridian Environmental Consulting, LLC
DATE 8/8/11	REVIEWED BY KAS	

**Part B - To be completed by environmental professional**

Submit original Part B to the WDNR along with a copy of Part A

**I. TANK-SYSTEM SITE ASSESSMENT (TSSA)**

Site Name: Corner Store

Address: 100 Tonnar St, Ridgeland, MS 39163

Note: Site name and address must match with Part A Section 1.

To determine if a TSSA is required, see Comm 10 and section II part B of ASSESSMENT AND REPORTING OF SUSPECTED AND OBVIOUS RELEASES FROM UNDERGROUND AND ABOVEGROUND STORAGE TANK SYSTEMS.

If a TSSA is required, then follow the procedures detailed in ASSESSMENT AND REPORTING OF SUSPECTED AND OBVIOUS RELEASES FROM UNDERGROUND AND ABOVEGROUND STORAGE TANK SYSTEMS.

**1. Site Information**

a. Has there been a previously documented release at this site?  Y  N

If yes, provide the Commerce # 54763-9623-02 or DNR BRRT's # 03-17-223007

b. Number of active tanks<sup>1</sup> at facility prior to completion of current services USTs 1 ASTs \_\_\_\_\_

(NOTE 1: Do not include previously closed systems or system components.)

c. Excavation/trench dimensions (in feet). (Photos must be provided.)

EXCAVATION/TRENCH #	LENGTH	WIDTH	DEPTH
<u>1</u>	<u>15</u>	<u>15</u>	<u>8</u>

**2. Visual Excavation/Trench Inspection** (Photos must be provided for "Yes" responses, except item b.)

Do any of the following conditions exist in or about the excavation(s)?

a. Stained soils:  Y  N b. Petroleum odor:  Y  N c. Water in excavation/trench:  Y  N

d. Free product in the excavation/trench:  Y  N e. Sheen or free product on water:  Y  N

**3. Geology/Hydrogeology**

a. Depth to groundwater ~5 feet b. Indicate type of geology<sup>2</sup> sand

(Note 2: Use these symbols individually or in combination as appropriate: C = Clay, SLT = Silt, S = Sand, Gr = Gravel)

**4. Receptors**

a. Water supply well(s) within 250 feet of the facility?  Y  N If yes, specify Store well, Amundson

b. Surface water(s) within 1000 feet of the facility?  Y  N If yes, specify \_\_\_\_\_

**5. Sampling**

a. Follow the procedures detailed in ASSESSMENT AND REPORTING OF SUSPECTED AND OBVIOUS RELEASES FROM UNDERGROUND AND ABOVEGROUND STORAGE TANK SYSTEMS.

b. Complete Tables 1 and 2 as appropriate. (Attach chain-of-custody and laboratory analytical reports.)

c. Attach a detailed map of site features and sample locations.

**J. NOTE RELEVANT OBSERVATIONS, SPECIFIC PROBLEMS OR CONCERNS BELOW**

Tank removal and remedial excavation completed in late May 2011. Tank removed from previous tank area. Ground water about 5 feet depth. TSSA soil samples collected from sidewalls about 5 feet below grade. Tank held down with anchors and concrete slab beneath.

**TABLE 1 SOIL FIELD SCREENING & GRO/DRO LABORATORY ANALYTICAL RESULTS-FOR PETROLEUM PRODUCTS**

Sample ID #	Sample Location & Soil/Geologic Description	Sample Collection Method				Depth Below Tank/Piping (feet)	Field Screening Result (ppm)	GRO (mg/kg)	DRO (mg/kg)
		Grab	Shelby Tube	Direct Push	Split Spoon				
T-S-W	Tank - south - west	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	sidewall 5'	5.60		
T-N-E	-north - east	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	↓	<5.52		
T-S-E	-south - east	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		7.71		
T-N-W	-north - west	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		<5.42		
T-W	-west wall	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		<5.10		
T-E	-east wall	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		<5.52		
P.I.	Island	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	~ 2 ft	2.13		
Piping	Piping	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	~ 2 ft	<5.00		
		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				
		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				
		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				
		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				
		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				

**TABLE 2 SOIL LABORATORY ANALYTICAL RESULTS-FOR PETROLEUM PRODUCTS**

Sample ID #	BENZENE	TOLUENE	ETHYLBENZENE	MTBE	TRIMETHYL-BENZENES (TOTAL)	XYLENES (TOTAL)	NAPHTHALENE
	mg/kg ug/kg	mg/kg ug/kg	mg/kg ug/kg	mg/kg ug/kg	ug/kg mg/kg	mg/kg ug/kg	ug/kg
T-S-W	.091	.384	.122	<.024	.404	.585	NA
T-N-E	.066	.282	.094	<.026	.154	.402	↓
T-S-E	.110	.522	.159	<.024	.465	.765	
T-N-W	.074	.212	.076	<.026	.072	.308	
T-W	.061	.291	.090	<.024	.142	.437	
T-E	.076	.374	.112	<.027	.211	.531	
P.I.	<.08	1.28	1.54	<.120	12.8	8.33	
Piping	<.016	.056	<.018	<.024	<.018	.108	
UNITS = mg/kg							

**K. TANK-SYSTEM SITE ASSESSMENT INFORMATION**

As a tank-system site assessor certified under Wis. Admin. Code section Comm 5.83, it is my opinion that there is no indication of a release of a regulated substance to the environment. This tank did not leak. Previous system leaked.

Sampling at the site indicates there has been a release to the environment. Pursuant to Wis. Admin. Code section Comm 10.585 (2) (a) and Wis. Stats. section 292.11 (2) (a), the owner or operator or contractor performing work under chapter Comm 10 shall immediately report any release of a regulated substance to the Wisconsin Department of Natural Resources. Failure to do so may result in forfeitures of a minimum of \$10 and a maximum of \$5000 for each violation under Wis. Stats. section 101.09 (5). Each day of continued violation and each tank are treated as separate offenses. Prior Release

Kenneth Shimko  
Tank-System Site Assessor Name (print)

[Signature]  
Tank-System Site Assessor Signature

41961  
Certification Number #

715-832-6608  
Tank-System Site Assessor Telephone Number

8-4-11  
Date Signed

Meridian Env. C. H., LLC  
Company Name



<a href="#">Search Instructions</a>	<a href="#">Search by Site, Owner, or Tank Characteristics</a>	<a href="#">Search by Tank ID</a>
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## Tank Detail

### Site and Owner

<b>Site Info</b>	<b>County &amp; Municipality</b>	<b>Owner</b>
Facility ID: <a href="#">632356</a> FOSTERS CORNER STORE LLC 17 - DUNN	ID: <a href="#">1079335</a>	
100 TONNAR ST	Village of RIDGELAND	JASON FOSTER
RIDGELAND	Fire Dept ID: 1704 - Ridgeland	100 TONNAR ST
Landowner Type: Private		RIDGELAND WI 54763
Site Anniversary Date:	Dispensers have Sumps: Unknown	

**Underground Storage Tank - ID: 658818, Wang ID: null, Closed/Removed as of 05/24/2011, PTO  
Expiration: 09/28/2010**

<b>Install Date:</b>	05/13/1999	<b>Capacity in Gallons:</b>	4000	<b>Contents:</b>	Unleaded Gasoline
<b>Tank Occupancy:</b>	Retail Fuel Sales	<b>Marketer:</b>	Y	<b>CAS Number:</b>	
<b>Federally Regulated:</b>	Y	<b>Spill Protection:</b>	Required - Installed	<b>Overfill Protection:</b>	Required - Installed
<b>Overfill Prot Type:</b>	90alm95autoOff	<b>Containment Sump Installed:</b>	Unknown		
<b>Corrosion Protect Type:</b>	Not Applicable	<b>Date of Lining:</b>		<b>Lining Inspected Date:</b>	
<b>Leak Detection:</b>	Statistic Inventory Reconciliation	<b>Cath Test Date:</b>		<b>Cath Expire Date:</b>	
<b>Leak Test Meth:</b>		<b>Leak Expire Date:</b>		<b>Leak Test Date:</b>	10/09/2009
<b>Construction Material:</b>	Steel - FRP composite	<b>Wall Size:</b>	Single	<b>Underground Piping:</b>	Y
<b>Close Order Date:</b>		<b>Close Order By:</b>			

### Piping - Closed/Removed

<b>Flex Connectors:</b>	Y	<b>UST mainfolding:</b>	N	<b>Related Tank ID:</b>	
<b>Type:</b>		<b>Aboveground Piping:</b>		<b>Aboveground Pipe Construction:</b>	
<b>Construction Material:</b>	Flexible	<b>Corrosion Protect Type:</b>	Not Applicable	<b>Leak Detection:</b>	Not Required
<b>Cath Test Date:</b>		<b>Cath Expire Date:</b>		<b>Leak Test Meth:</b>	
<b>Leak Test Date:</b>		<b>Leak Expire Date:</b>		<b>Pipe Wall Size:</b>	Double
<b>Catastrophic Leak Detection:</b>		<b>Cat Leak Test Date:</b>		<b>Piping System Type:</b>	Safe Suction

Inspections [Click here for login page](#)

Trans ID	Type	Status	Date	Fiscal Yr
915696	AN	CLOS	09/10/2003	2004
1046600	AN	CLOS	02/11/2005	2005
1180013	AN	CLOS	08/25/2005	2006
1565840	AN	CLOS	09/03/2008	2009
1717670	AN	CLOS	11/17/2009	2010
1453203	AN	CLOS	09/05/2007	2008
1303444	AN	CLOS	09/28/2006	2007

[To Top](#)

# SIEMENS

June 08, 2011

Meridian Environmental Consulting, LLC  
2711 North Elco Road  
Fall Creek, WI 54742

Attn: Ken Shimko

REPORT NO.: 1105437

PROJECT NO.: Corner Store

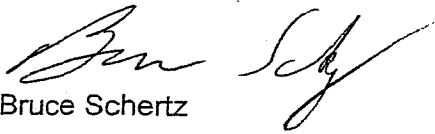
Please find enclosed the analytical report, including the Sample Summary, Sample Narrative and Chain of Custody for your sample set received May 27, 2011.

All analyses were performed in accordance with TNI Standards using approved methods as indicated on this report.

If you have any questions about the results, please call. Thank you for using Siemens Industry, Inc. for your analytical needs.

Sincerely,

Siemens Industry, Inc.



Bruce Schertz

Lab Manager

Enviroscan Analytical™ Services

*I certify that the data contained in this report has been generated and reviewed in accordance with the Siemens Industry, Inc. Quality Assurance Program. Exceptions, if any, are discussed in the sample narrative. Samples will be retained for 30 days from the date of this report, then disposed in an appropriate manner. Siemens Industry, Inc. reserves the right to return samples identified as hazardous. Release of this Final Report is authorized as verified by the following signature. The contents of this report apply to the sample(s) analyzed. No duplication of this report is allowed except in its entirety.*

Reviewed by: \_\_\_\_\_



## Certifications:

Wisconsin 737053130  
Minnesota 055-999-302  
Illinois 100317



Siemens Industry, Inc.

301 West Military Road  
Rothschild, WI 54474

Tel: 800-338-7226  
Fax: 715-355-3221

[www.siemens.com/enviroscan](http://www.siemens.com/enviroscan)

# SIEMENS

## SAMPLE SUMMARY

<u>Lab Id</u>	<u>Client</u>	<u>Sample Id</u>	<u>Date/Time</u>	<u>Matrix</u>
1105437-01	T-S-W		05/24/11 00:00	Soil
1105437-02	T-N-E		05/24/11 00:00	Soil
1105437-03	T-S-E		05/24/11 00:00	Soil
1105437-04	T-N-W		05/24/11 00:00	Soil
1105437-05	T-W		05/24/11 00:00	Soil
1105437-06	T-E		05/24/11 00:00	Soil
1105437-07	P.I.		05/24/11 00:00	Soil
1105437-08	Piping		05/24/11 00:00	Soil
1105437-09	N-E		05/25/11 00:00	Soil
1105437-10	N-W		05/25/11 00:00	Soil
1105437-11	S-E		05/25/11 00:00	Soil
1105437-12	S-W		05/25/11 00:00	Soil
1105437-13	W-S		05/25/11 00:00	Soil
1105437-14	W-N		05/25/11 00:00	Soil
1105437-15	E-N		05/25/11 00:00	Soil
1105437-16	E-S		05/25/11 00:00	Soil
1105437-17	MeOH Blank		05/25/11 00:00	Soil

# SIEMENS

Meridian Environmental Consulting, LLC  
2711 North Elco Road  
Fall Creek, WI 54742

PROJECT NO. : Corner Store  
REPORT NO. : 1105437  
DATE REC'D: 05/27/11 16:10  
REPORT DATE : 06/08/11 15:16  
PREPARED BY : BMS

Attn: Ken Shimko

Sample ID: T-S-W

Matrix: Soil

Sample Date/Time: 05/24/11 0:00

Lab No. : 1105437-01

	<u>Results</u>	<u>Units</u>	<u>LOD</u>	<u>LOQ</u>	<u>Dilution Factor</u>	<u>Qualifiers</u>	<u>Date Analyzed</u>	<u>Analyst</u>
<u>EPA 8021B/ WI DNR GRO</u>								
1,2,4-Trimethylbenzene	0.277	mg/kg dry	0.013	0.025	1		06/06/11	ALZ
1,3,5-Trimethylbenzene	0.127	mg/kg dry	0.018	0.025	1		06/06/11	ALZ
Benzene	0.091	mg/kg dry	0.016	0.025	1		06/06/11	ALZ
Ethylbenzene	0.122	mg/kg dry	0.018	0.025	1		06/06/11	ALZ
Gasoline Range Organics	5.60	mg/kg dry	5.00	5.00	1	G2	06/06/11	ALZ
m&p-Xylene	0.378	mg/kg dry	0.022	0.025	1		06/06/11	ALZ
Methyl Tert Butyl Ether	ND	mg/kg dry	0.024	0.025	1		06/06/11	ALZ
o-Xylene	0.207	mg/kg dry	0.016	0.025	1		06/06/11	ALZ
Toluene	0.384	mg/kg dry	0.021	0.025	1		06/06/11	ALZ

Sample ID: T-N-E

Matrix: Soil

Sample Date/Time: 05/24/11 0:00

Lab No. : 1105437-02

	<u>Results</u>	<u>Units</u>	<u>LOD</u>	<u>LOQ</u>	<u>Dilution Factor</u>	<u>Qualifiers</u>	<u>Date Analyzed</u>	<u>Analyst</u>
<u>EPA 8021B/ WI DNR GRO</u>								
1,2,4-Trimethylbenzene	0.103	mg/kg dry	0.014	0.028	1.1		06/06/11	ALZ
1,3,5-Trimethylbenzene	0.055	mg/kg dry	0.020	0.028	1.1		06/06/11	ALZ
Benzene	0.066	mg/kg dry	0.018	0.028	1.1		06/06/11	ALZ
Ethylbenzene	0.094	mg/kg dry	0.020	0.028	1.1		06/06/11	ALZ
Gasoline Range Organics	ND	mg/kg dry	5.52	5.52	1.1		06/06/11	ALZ
m&p-Xylene	0.282	mg/kg dry	0.024	0.028	1.1		06/06/11	ALZ
Methyl Tert Butyl Ether	ND	mg/kg dry	0.026	0.028	1.1		06/06/11	ALZ
o-Xylene	0.120	mg/kg dry	0.018	0.028	1.1		06/06/11	ALZ
Toluene	0.282	mg/kg dry	0.023	0.028	1.1		06/06/11	ALZ

# SIEMENS

Meridian Environmental Consulting, LLC  
2711 North Elco Road  
Fall Creek, WI 54742

PROJECT NO. : Corner Store  
REPORT NO. : 1105437  
DATE REC'D: 05/27/11 16:10  
REPORT DATE : 06/08/11 15:16  
PREPARED BY : BMS

Attn: Ken Shimko  
Sample ID: T-S-E

Matrix: Soil

Sample Date/Time: 05/24/11 0:00

Lab No. : 1105437-03

	<u>Results</u>	<u>Units</u>	<u>LOD</u>	<u>LOQ</u>	<u>Dilution Factor</u>	<u>Qualifiers</u>	<u>Date Analyzed</u>	<u>Analyst</u>
<u>EPA 8021B/ WI DNR GRO</u>								
1,2,4-Trimethylbenzene	0.312	mg/kg dry	0.013	0.025	1		06/06/11	ALZ
1,3,5-Trimethylbenzene	0.153	mg/kg dry	0.018	0.025	1		06/06/11	ALZ
Benzene	0.110	mg/kg dry	0.016	0.025	1		06/06/11	ALZ
Ethylbenzene	0.159	mg/kg dry	0.018	0.025	1		06/06/11	ALZ
Gasoline Range Organics	7.71	mg/kg dry	5.00	5.00	1	G2	06/06/11	ALZ
m&p-Xylene	0.491	mg/kg dry	0.022	0.025	1		06/06/11	ALZ
Methyl Tert Butyl Ether	ND	mg/kg dry	0.024	0.025	1		06/06/11	ALZ
o-Xylene	0.274	mg/kg dry	0.016	0.025	1		06/06/11	ALZ
Toluene	0.522	mg/kg dry	0.021	0.025	1		06/06/11	ALZ

Sample ID: T-N-W

Matrix: Soil

Sample Date/Time: 05/24/11 0:00

Lab No. : 1105437-04

	<u>Results</u>	<u>Units</u>	<u>LOD</u>	<u>LOQ</u>	<u>Dilution Factor</u>	<u>Qualifiers</u>	<u>Date Analyzed</u>	<u>Analyst</u>
<u>EPA 8021B/ WI DNR GRO</u>								
1,2,4-Trimethylbenzene	0.072	mg/kg dry	0.014	0.027	1.08		06/06/11	ALZ
1,3,5-Trimethylbenzene	ND	mg/kg dry	0.020	0.027	1.08		06/06/11	ALZ
Benzene	0.074	mg/kg dry	0.017	0.027	1.08		06/06/11	ALZ
Ethylbenzene	0.076	mg/kg dry	0.020	0.027	1.08		06/06/11	ALZ
Gasoline Range Organics	ND	mg/kg dry	5.42	5.42	1.08		06/06/11	ALZ
m&p-Xylene	0.214	mg/kg dry	0.024	0.027	1.08		06/06/11	ALZ
Methyl Tert Butyl Ether	ND	mg/kg dry	0.026	0.027	1.08		06/06/11	ALZ
o-Xylene	0.094	mg/kg dry	0.017	0.027	1.08		06/06/11	ALZ
Toluene	0.212	mg/kg dry	0.023	0.027	1.08		06/06/11	ALZ



# SIEMENS

Meridian Environmental Consulting, LLC  
2711 North Elco Road  
Fall Creek, WI 54742

PROJECT NO. : Corner Store  
REPORT NO. : 1105437  
DATE REC'D: 05/27/11 16:10  
REPORT DATE : 06/08/11 15:16  
PREPARED BY : BMS

Attn: Ken Shimko

Sample ID: T-W

Matrix: Soil

Sample Date/Time: 05/24/11 0:00

Lab No. : 1105437-05

	<u>Results</u>	<u>Units</u>	<u>LOD</u>	<u>LOQ</u>	<u>Dilution Factor</u>	<u>Qualifiers</u>	<u>Date Analyzed</u>	<u>Analyst</u>
<u>EPA 8021B/ WI DNR GRO</u>								
1,2,4-Trimethylbenzene	0.126	mg/kg dry	0.013	0.025	1.02		06/06/11	ALZ
1,3,5-Trimethylbenzene	0.056	mg/kg dry	0.018	0.025	1.02		06/06/11	ALZ
Benzene	0.061	mg/kg dry	0.016	0.025	1.02		06/06/11	ALZ
Ethylbenzene	0.090	mg/kg dry	0.018	0.025	1.02		06/06/11	ALZ
Gasoline Range Organics	ND	mg/kg dry	5.10	5.10	1.02		06/06/11	ALZ
m&p-Xylene	0.300	mg/kg dry	0.022	0.025	1.02		06/06/11	ALZ
Methyl Tert Butyl Ether	ND	mg/kg dry	0.024	0.025	1.02		06/06/11	ALZ
o-Xylene	0.137	mg/kg dry	0.016	0.025	1.02		06/06/11	ALZ
Toluene	0.291	mg/kg dry	0.021	0.025	1.02		06/06/11	ALZ

Sample ID: T-E

Matrix: Soil

Sample Date/Time: 05/24/11 0:00

Lab No. : 1105437-06

	<u>Results</u>	<u>Units</u>	<u>LOD</u>	<u>LOQ</u>	<u>Dilution Factor</u>	<u>Qualifiers</u>	<u>Date Analyzed</u>	<u>Analyst</u>
<u>EPA 8021B/ WI DNR GRO</u>								
1,2,4-Trimethylbenzene	0.146	mg/kg dry	0.014	0.028	1.1		06/06/11	ALZ
1,3,5-Trimethylbenzene	0.065	mg/kg dry	0.020	0.028	1.1		06/06/11	ALZ
Benzene	0.076	mg/kg dry	0.018	0.028	1.1		06/06/11	ALZ
Ethylbenzene	0.112	mg/kg dry	0.020	0.028	1.1		06/06/11	ALZ
Gasoline Range Organics	ND	mg/kg dry	5.52	5.52	1.1		06/06/11	ALZ
m&p-Xylene	0.368	mg/kg dry	0.024	0.028	1.1		06/06/11	ALZ
Methyl Tert Butyl Ether	ND	mg/kg dry	0.027	0.028	1.1		06/06/11	ALZ
o-Xylene	0.163	mg/kg dry	0.018	0.028	1.1		06/06/11	ALZ
Toluene	0.374	mg/kg dry	0.023	0.028	1.1		06/06/11	ALZ

# SIEMENS

Meridian Environmental Consulting, LLC  
2711 North Elco Road  
Fall Creek, WI 54742

PROJECT NO. : Corner Store  
REPORT NO. : 1105437  
DATE REC'D: 05/27/11 16:10  
REPORT DATE : 06/08/11 15:16  
PREPARED BY : BMS

Attn: Ken Shimko

Sample ID: P.I.

Matrix: Soil

Sample Date/Time: 05/24/11 0:00

Lab No. : 1105437-07

	<u>Results</u>	<u>Units</u>	<u>LOD</u>	<u>LOQ</u>	<u>Dilution Factor</u>	<u>Qualifiers</u>	<u>Date Analyzed</u>	<u>Analyst</u>
<u>EPA 8021B/ WI DNR GRO</u>								
1,2,4-Trimethylbenzene	9.24	mg/kg dry	0.065	0.125	5		06/07/11	ALZ
1,3,5-Trimethylbenzene	3.56	mg/kg dry	0.090	0.125	5		06/07/11	ALZ
Benzene	ND	mg/kg dry	0.080	0.125	5		06/07/11	ALZ
Ethylbenzene	1.54	mg/kg dry	0.090	0.125	5		06/07/11	ALZ
Gasoline Range Organics	213	mg/kg dry	25.0	25.0	5	G8	06/07/11	ALZ
m&p-Xylene	5.94	mg/kg dry	0.110	0.125	5		06/07/11	ALZ
Methyl Tert Butyl Ether	ND	mg/kg dry	0.120	0.125	5		06/07/11	ALZ
o-Xylene	2.39	mg/kg dry	0.080	0.125	5		06/07/11	ALZ
Toluene	1.28	mg/kg dry	0.105	0.125	5		06/07/11	ALZ

Sample ID: Piping

Matrix: Soil

Sample Date/Time: 05/24/11 0:00

Lab No. : 1105437-08

	<u>Results</u>	<u>Units</u>	<u>LOD</u>	<u>LOQ</u>	<u>Dilution Factor</u>	<u>Qualifiers</u>	<u>Date Analyzed</u>	<u>Analyst</u>
<u>EPA 8021B/ WI DNR GRO</u>								
1,2,4-Trimethylbenzene	ND	mg/kg dry	0.013	0.025	1		06/06/11	ALZ
1,3,5-Trimethylbenzene	ND	mg/kg dry	0.018	0.025	1		06/06/11	ALZ
Benzene	ND	mg/kg dry	0.016	0.025	1		06/06/11	ALZ
Ethylbenzene	ND	mg/kg dry	0.018	0.025	1		06/06/11	ALZ
Gasoline Range Organics	ND	mg/kg dry	5.00	5.00	1		06/06/11	ALZ
m&p-Xylene	0.108	mg/kg dry	0.022	0.025	1		06/06/11	ALZ
Methyl Tert Butyl Ether	ND	mg/kg dry	0.024	0.025	1		06/06/11	ALZ
o-Xylene	ND	mg/kg dry	0.016	0.025	1		06/06/11	ALZ
Toluene	0.056	mg/kg dry	0.021	0.025	1		06/06/11	ALZ

# SIEMENS

Meridian Environmental Consulting, LLC  
2711 North Elco Road  
Fall Creek, WI 54742

PROJECT NO. : Corner Store  
REPORT NO. : 1105437  
DATE REC'D: 05/27/11 16:10  
REPORT DATE : 06/08/11 15:16  
PREPARED BY : BMS

Attn: Ken Shimko

Sample ID: N-E

Matrix: Soil

Sample Date/Time: 05/25/11 0:00

Lab No. : 1105437-09

	<u>Results</u>	<u>Units</u>	<u>LOD</u>	<u>LOQ</u>	<u>Dilution Factor</u>	<u>Qualifiers</u>	<u>Date Analyzed</u>	<u>Analyst</u>
<b>EPA 8021B</b>								
1,2,4-Trimethylbenzene	0.483	mg/kg dry	0.014	0.027	1.07		06/06/11	ALZ
1,3,5-Trimethylbenzene	0.158	mg/kg dry	0.019	0.027	1.07		06/06/11	ALZ
Benzene	0.131	mg/kg dry	0.017	0.027	1.07		06/06/11	ALZ
Ethylbenzene	0.107	mg/kg dry	0.019	0.027	1.07		06/06/11	ALZ
m&p-Xylene	0.354	mg/kg dry	0.023	0.027	1.07		06/06/11	ALZ
Methyl Tert Butyl Ether	ND	mg/kg dry	0.026	0.027	1.07		06/06/11	ALZ
Naphthalene	0.373	mg/kg dry	0.019	0.027	1.07		06/06/11	ALZ
o-Xylene	0.197	mg/kg dry	0.017	0.027	1.07		06/06/11	ALZ
Toluene	0.187	mg/kg dry	0.022	0.027	1.07		06/06/11	ALZ

Sample ID: N-W

Matrix: Soil

Sample Date/Time: 05/25/11 0:00

Lab No. : 1105437-10

	<u>Results</u>	<u>Units</u>	<u>LOD</u>	<u>LOQ</u>	<u>Dilution Factor</u>	<u>Qualifiers</u>	<u>Date Analyzed</u>	<u>Analyst</u>
<b>EPA 8021B</b>								
1,2,4-Trimethylbenzene	0.415	mg/kg dry	0.016	0.031	1.24		06/07/11	ALZ
1,3,5-Trimethylbenzene	0.155	mg/kg dry	0.022	0.031	1.24		06/07/11	ALZ
Benzene	0.157	mg/kg dry	0.020	0.031	1.24		06/07/11	ALZ
Ethylbenzene	0.138	mg/kg dry	0.022	0.031	1.24		06/07/11	ALZ
m&p-Xylene	0.431	mg/kg dry	0.027	0.031	1.24		06/07/11	ALZ
Methyl Tert Butyl Ether	ND	mg/kg dry	0.030	0.031	1.24		06/07/11	ALZ
Naphthalene	0.153	mg/kg dry	0.022	0.031	1.24		06/07/11	ALZ
o-Xylene	0.231	mg/kg dry	0.020	0.031	1.24		06/07/11	ALZ
Toluene	0.135	mg/kg dry	0.026	0.031	1.24		06/07/11	ALZ

# SIEMENS

Meridian Environmental Consulting, LLC  
2711 North Elco Road  
Fall Creek, WI 54742

PROJECT NO. : Corner Store  
REPORT NO. : 1105437  
DATE REC'D: 05/27/11 16:10  
REPORT DATE : 06/08/11 15:16  
PREPARED BY : BMS

Attn: Ken Shimko

Sample ID: S-E

Matrix: Soil

Sample Date/Time: 05/25/11 0:00

Lab No. : 1105437-11

	<u>Results</u>	<u>Units</u>	<u>LOD</u>	<u>LOQ</u>	<u>Dilution Factor</u>	<u>Qualifiers</u>	<u>Date Analyzed</u>	<u>Analyst</u>
<b>EPA 8021B</b>								
1,2,4-Trimethylbenzene	0.062	mg/kg dry	0.015	0.029	1.15		06/07/11	ALZ
1,3,5-Trimethylbenzene	ND	mg/kg dry	0.021	0.029	1.15		06/07/11	ALZ
Benzene	ND	mg/kg dry	0.018	0.029	1.15		06/07/11	ALZ
Ethylbenzene	ND	mg/kg dry	0.021	0.029	1.15		06/07/11	ALZ
m&p-Xylene	0.145	mg/kg dry	0.025	0.029	1.15		06/07/11	ALZ
Methyl Tert Butyl Ether	ND	mg/kg dry	0.027	0.029	1.15		06/07/11	ALZ
Naphthalene	ND	mg/kg dry	0.021	0.029	1.15		06/07/11	ALZ
o-Xylene	ND	mg/kg dry	0.018	0.029	1.15		06/07/11	ALZ
Toluene	0.104	mg/kg dry	0.024	0.029	1.15		06/07/11	ALZ

Sample ID: S-W

Matrix: Soil

Sample Date/Time: 05/25/11 0:00

Lab No. : 1105437-12

	<u>Results</u>	<u>Units</u>	<u>LOD</u>	<u>LOQ</u>	<u>Dilution Factor</u>	<u>Qualifiers</u>	<u>Date Analyzed</u>	<u>Analyst</u>
<b>EPA 8021B</b>								
1,2,4-Trimethylbenzene	ND	mg/kg dry	0.014	0.027	1.07		06/07/11	ALZ
1,3,5-Trimethylbenzene	ND	mg/kg dry	0.019	0.027	1.07		06/07/11	ALZ
Benzene	ND	mg/kg dry	0.017	0.027	1.07		06/07/11	ALZ
Ethylbenzene	ND	mg/kg dry	0.019	0.027	1.07		06/07/11	ALZ
m&p-Xylene	0.121	mg/kg dry	0.024	0.027	1.07		06/07/11	ALZ
Methyl Tert Butyl Ether	ND	mg/kg dry	0.026	0.027	1.07		06/07/11	ALZ
Naphthalene	ND	mg/kg dry	0.019	0.027	1.07		06/07/11	ALZ
o-Xylene	ND	mg/kg dry	0.017	0.027	1.07		06/07/11	ALZ
Toluene	0.085	mg/kg dry	0.022	0.027	1.07		06/07/11	ALZ

# SIEMENS

Meridian Environmental Consulting, LLC  
2711 North Elco Road  
Fall Creek, WI 54742

PROJECT NO. : Corner Store  
REPORT NO. : 1105437  
DATE REC'D: 05/27/11 16:10  
REPORT DATE : 06/08/11 15:16  
PREPARED BY : BMS

Attn: Ken Shimko

Sample ID: W-S

Matrix: Soil

Sample Date/Time: 05/25/11 0:00

Lab No. : 1105437-13

	<u>Results</u>	<u>Units</u>	<u>LOD</u>	<u>LOQ</u>	<u>Dilution Factor</u>	<u>Qualifiers</u>	<u>Date Analyzed</u>	<u>Analyst</u>
<b><u>EPA 8021B</u></b>								
1,2,4-Trimethylbenzene	ND	mg/kg dry	0.014	0.027	1.06		06/07/11	ALZ
1,3,5-Trimethylbenzene	ND	mg/kg dry	0.019	0.027	1.06		06/07/11	ALZ
Benzene	ND	mg/kg dry	0.017	0.027	1.06		06/07/11	ALZ
Ethylbenzene	ND	mg/kg dry	0.019	0.027	1.06		06/07/11	ALZ
m&p-Xylene	0.127	mg/kg dry	0.023	0.027	1.06		06/07/11	ALZ
Methyl Tert Butyl Ether	ND	mg/kg dry	0.026	0.027	1.06		06/07/11	ALZ
Naphthalene	ND	mg/kg dry	0.019	0.027	1.06		06/07/11	ALZ
o-Xylene	ND	mg/kg dry	0.017	0.027	1.06		06/07/11	ALZ
Toluene	0.098	mg/kg dry	0.022	0.027	1.06		06/07/11	ALZ

Sample ID: W-N

Matrix: Soil

Sample Date/Time: 05/25/11 0:00

Lab No. : 1105437-14

	<u>Results</u>	<u>Units</u>	<u>LOD</u>	<u>LOQ</u>	<u>Dilution Factor</u>	<u>Qualifiers</u>	<u>Date Analyzed</u>	<u>Analyst</u>
<b><u>EPA 8021B</u></b>								
1,2,4-Trimethylbenzene	ND	mg/kg dry	0.015	0.029	1.15		06/07/11	ALZ
1,3,5-Trimethylbenzene	ND	mg/kg dry	0.021	0.029	1.15		06/07/11	ALZ
Benzene	ND	mg/kg dry	0.018	0.029	1.15		06/07/11	ALZ
Ethylbenzene	ND	mg/kg dry	0.021	0.029	1.15		06/07/11	ALZ
m&p-Xylene	0.126	mg/kg dry	0.025	0.029	1.15		06/07/11	ALZ
Methyl Tert Butyl Ether	ND	mg/kg dry	0.028	0.029	1.15		06/07/11	ALZ
Naphthalene	ND	mg/kg dry	0.021	0.029	1.15		06/07/11	ALZ
o-Xylene	ND	mg/kg dry	0.018	0.029	1.15		06/07/11	ALZ
Toluene	0.089	mg/kg dry	0.024	0.029	1.15		06/07/11	ALZ

# SIEMENS

Meridian Environmental Consulting, LLC  
2711 North Elco Road  
Fall Creek, WI 54742

PROJECT NO. : Corner Store  
REPORT NO. : 1105437  
DATE REC'D: 05/27/11 16:10  
REPORT DATE : 06/08/11 15:16  
PREPARED BY : BMS

Attn: Ken Shimko

Sample ID: E-N

Matrix: Soil

Sample Date/Time: 05/25/11 0:00

Lab No. : 1105437-15

	<u>Results</u>	<u>Units</u>	<u>LOD</u>	<u>LOQ</u>	<u>Dilution Factor</u>	<u>Qualifiers</u>	<u>Date Analyzed</u>	<u>Analyst</u>
<b>EPA 8021B</b>								
1,2,4-Trimethylbenzene	0.097	mg/kg dry	0.013	0.025	1		06/07/11	ALZ
1,3,5-Trimethylbenzene	0.071	mg/kg dry	0.018	0.025	1		06/07/11	ALZ
Benzene	ND	mg/kg dry	0.016	0.025	1		06/07/11	ALZ
Ethylbenzene	ND	mg/kg dry	0.018	0.025	1		06/07/11	ALZ
m&p-Xylene	0.123	mg/kg dry	0.022	0.025	1		06/07/11	ALZ
Methyl Tert Butyl Ether	ND	mg/kg dry	0.024	0.025	1		06/07/11	ALZ
Naphthalene	0.103	mg/kg dry	0.018	0.025	1		06/07/11	ALZ
o-Xylene	ND	mg/kg dry	0.016	0.025	1		06/07/11	ALZ
Toluene	0.070	mg/kg dry	0.021	0.025	1		06/07/11	ALZ

Sample ID: E-S

Matrix: Soil

Sample Date/Time: 05/25/11 0:00

Lab No. : 1105437-16

	<u>Results</u>	<u>Units</u>	<u>LOD</u>	<u>LOQ</u>	<u>Dilution Factor</u>	<u>Qualifiers</u>	<u>Date Analyzed</u>	<u>Analyst</u>
<b>EPA 8021B</b>								
1,2,4-Trimethylbenzene	ND	mg/kg dry	0.013	0.025	1		06/07/11	ALZ
1,3,5-Trimethylbenzene	ND	mg/kg dry	0.018	0.025	1		06/07/11	ALZ
Benzene	ND	mg/kg dry	0.016	0.025	1		06/07/11	ALZ
Ethylbenzene	ND	mg/kg dry	0.018	0.025	1		06/07/11	ALZ
m&p-Xylene	0.105	mg/kg dry	0.022	0.025	1		06/07/11	ALZ
Methyl Tert Butyl Ether	ND	mg/kg dry	0.024	0.025	1		06/07/11	ALZ
Naphthalene	ND	mg/kg dry	0.018	0.025	1		06/07/11	ALZ
o-Xylene	ND	mg/kg dry	0.016	0.025	1		06/07/11	ALZ
Toluene	0.064	mg/kg dry	0.021	0.025	1		06/07/11	ALZ

# SIEMENS

Meridian Environmental Consulting, LLC  
2711 North Elco Road  
Fall Creek, WI 54742

PROJECT NO. : Corner Store  
REPORT NO. : 1105437  
DATE REC'D: 05/27/11 16:10  
REPORT DATE : 06/08/11 15:16  
PREPARED BY : BMS

Attn: Ken Shimko

Sample ID: MeOH Blank

Matrix: Soil

Sample Date/Time: 05/25/11 0:00

Lab No. : 1105437-17

	<u>Results</u>	<u>Units</u>	<u>LOD</u>	<u>LOQ</u>	<u>Dilution Factor</u>	<u>Qualifiers</u>	<u>Date Analyzed</u>	<u>Analyst</u>
<u>EPA 8021B</u>								
1,2,4-Trimethylbenzene	ND	mg/kg	0.013	0.025	1		06/07/11	ALZ
1,3,5-Trimethylbenzene	ND	mg/kg	0.018	0.025	1		06/07/11	ALZ
Benzene	ND	mg/kg	0.016	0.025	1		06/07/11	ALZ
Ethylbenzene	ND	mg/kg	0.018	0.025	1		06/07/11	ALZ
m&p-Xylene	ND	mg/kg	0.022	0.025	1		06/07/11	ALZ
Methyl Tert Butyl Ether	ND	mg/kg	0.024	0.025	1		06/07/11	ALZ
Naphthalene	ND	mg/kg	0.018	0.025	1		06/07/11	ALZ
o-Xylene	ND	mg/kg	0.016	0.025	1		06/07/11	ALZ
Toluene	ND	mg/kg	0.021	0.025	1		06/07/11	ALZ
<u>WI DNR GRO</u>								
GROs	ND	mg/kg	5.00	5.00	1		06/07/11	ALZ

# SIEMENS

## Qualifier Descriptions

- |    |  |
|----|--|
| G8 | The chromatogram is characteristic for weathered gasoline, however either additional peaks are present or PVOC peaks are not proportional to weathered gasoline indicating the presence of additional compounds. |
| G2 | The chromatogram is characteristic of a weathered gasoline.  |

## Definitions

LOD = Limit of Detection (Dilution Corrected)  
LOQ = Limit of Quantitation (Dilution Corrected)  
Reporting Limit = LOQ (Dilution Corrected)  
ND = Not Detected  
COMP = Complete  
SUBCON = Subcontracted analysis  
mv = millivolts  
pci/L = picocuries per Liter  
mL/L = milliliters per Liter  
mg = milligram

When the word "dry" follows the units on the result page the sample results are dry weight corrected.

LODs and LOQs are dry weight corrected for all soils except WI GRO and EPA 8021 methanol and WI DNR methylene chloride preserved soils.

(WNC) = The required Wisconsin DNR program certification is not held for this analyte.

ug/l = Micrograms per Liter = parts per billion (ppb)  
ug/kg = Micrograms per kilogram = parts per billion (ppb)  
mg/l = Milligrams per liter = parts per million (ppm)  
mg/kg = Milligrams per kilogram = parts per million (ppm)  
NOT PRES = Not Present  
ppth = Parts per thousand  
\* = Result outside established limits.  
mg/m<sup>3</sup> = Milligrams per meter cubed  
ng/L = Nanograms per Liter = Parts per trillion (ppt)  
> = Greater Than

Methanol Soils for WI GRO and EPA 8021 are reported to the LOQ.



# SIEMENS

Client: Meridian Env. Consulting Date Received: 5 / 27 / 11  
1105437  
Analytical Number: -1 through -17

Check all deviations from the EPA or WDNR sample protocol.

- Sample(s) received at \_\_\_\_\_ °C which is above the EPA and WDNR limit of 4°C.
- VOC vial(s) received with headspace.
- Sample(s) received in bottles not furnished by Siemens Water Technologies. The preservation method, if used, is unknown.
- Sample(s) were not properly preserved per EPA or WDNR protocol for the following analyses:
  - \_\_\_\_\_
- Sample(s) were received beyond the EPA/WDNR holding time for the following analyses:
  - \_\_\_\_\_
- Sample date/time not supplied by client. Actual holding time is unknown.
- GRO / PVOC / VOC / DRO (circle) sample(s) are <19.5 grams. This report is the qualifier flag for that QC failure. The client has been contacted for further instructions. Analytical number(s) of the sample(s) under weight are:
  - \_\_\_\_\_
- GRO / PVOC / VOC (circle) sample(s) were between 26.4 and 35.4 grams. Methanol was added in a 1:1 ratio in the lab. Analytical number(s) of the sample(s) affected are:
  - 1105437-1A + 4ml, -3A + 2ml, -7A + 2ml, -16A + 8ml
- GRO / PVOC / VOC / DRO (circle) sample(s) are >35.4 grams and are required to be rejected. This report is the qualifier flag for that QC failure. The client has been contacted for further instructions. Analytical number(s) of the sample(s) affected are:
  - \_\_\_\_\_
- Other problems:
  - \_\_\_\_\_

Client contacted concerning the above deviations:

\_\_\_\_\_ notified of the above deviation(s) on \_\_\_\_/\_\_\_\_/\_\_\_\_ @  
\_\_\_\_\_ contact name  
: \_\_\_\_\_ am/pm by \_\_\_\_\_ and the client ordered the following:  
initial

- Proceed with analyses as ordered.
- Proceed with analyses after taking the following corrective action:
  - \_\_\_\_\_
- Do NOT proceed with analyses.

Siemens Water Technologies Corp.

301 West Military Road  
Rothschild, WI 54474

Tel: (800)338-7226  
Fax: (715)355-3221

Company Name <b>Mendota Env. CS Hq.</b>	Project <b>Corner Store</b>	
Report Mailing Address <b>2711 N. Elco Rd Fall Creek, WI</b>	Contact Name, Phone, Fax, Email <b>Ken Shinko 715-832-6608</b>	
Invoice Address <b>54742</b>	Purchase Order #	Invoice Contact and Phone No.

Matrix: Drinking Water Groundwater Wastewater Soll/Solid Other: \_\_\_\_\_

Wis. PECFA Project subject to U&C? Yes  No

For Compliance Monitoring? Yes  No  State: \_\_\_\_\_  
(If Yes, please specify Agency or Regulation) Agency/Reg.: \_\_\_\_\_

Turnaround Request:  Normal (10 Bus. Days)  
 Rush (Must be pre-approved by Lab and is subject to surcharges)  
Date Needed: \_\_\_\_\_

WO No: **1105437**

Analyses Requested										Lab Use Only		
PUBCT+GRO										Delivered by:	Walk-In	<input checked="" type="checkbox"/> Courier
										Ship Cont. OK?	<input checked="" type="checkbox"/> Y	<input type="checkbox"/> N
										Samples Leaking?	<input checked="" type="checkbox"/> Y	<input type="checkbox"/> N
										Seals OK?	<input checked="" type="checkbox"/> Y	<input type="checkbox"/> N
										Rec'd on Ice?	<input checked="" type="checkbox"/> Y	<input type="checkbox"/> N
										Sample Receiving/Comments:		
										3.0		

Lab Use Only	Sample		No. of Containers		Sample ID							Comments
	Date	Time	Comp	Grab								
1	5/24/11	Noon		X 2	T-S-W	X						1-2 oz Meath, 1-TS placed
2					T-N-E							
3					T-S-E							
4					T-N-W							
5					T-W							
6					T-E							
7					P-I.							
8					Piping							

Chain of Custody Record

Relinquished By:	Date	Time	Received By:
<i>[Signature]</i>	5-26-11	1 pm	
	5/27/11	11:10	<i>[Signature]</i>

Company Name <b>Mendota Env. CS Hq.</b>		Project <b>Corner Stone</b>	
Report Mailing Address <b>2711 N. Felio Rd Fall Creek, WI</b>		Contact Name, Phone, Fax, Email <b>Ken Stimpko 715-832-6608</b>	
Invoice Address <b>54742</b>		Purchase Order #	Invoice Contact and Phone No.

Matrix: Drinking Water Groundwater Wastewater Soil/Solid Other: \_\_\_\_\_

Wis. PECFA Project subject to U&C? Yes  No

For Compliance Monitoring? Yes  No  State: \_\_\_\_\_  
(If Yes, please specify Agency or Regulation) Agency/Reg.: \_\_\_\_\_

Turnaround Request:  Normal (10 Bus. Days)  
 Rush (Must be pre-approved by Lab and is subject to surcharges)  
Date Needed: \_\_\_\_\_

Analyses Requested				Lab Use Only		
PDOC + Meth				Delivered by:	Walk-in	Cooler
				Ship Cont. OK?	<input checked="" type="checkbox"/> N	NA
				Samples Leaking?	<input checked="" type="checkbox"/> Y	NA
				Seals OK?	<input checked="" type="checkbox"/> N	NA
				Rec'd on ice?	<input checked="" type="checkbox"/> N	NA
				Sample Receiving/Comments:  3.0		

WO No: **165437**

Lab Use Only	Sample		No. of Containers		Sample ID	Comments
	Date	Time	Comp	Grab		
9	5/25/11	4pm		x2	N-E	12oz Meatl, 1-TS plap
10					N-W	
11					S-E	
12					S-W	
13					W-S	
14					W-N	
15					E-N	
16					E-S	1ml Meatl 7-27-10 TB034
17				1	Meatl Blank	

Chain of Custody Record

Relinquished By:	Date	Time	Received By:
<i>[Signature]</i>	5-26-11	1pm	
	5-27-11	1:10	<i>[Signature]</i>

**APPENDIX B**

**ANALYTICAL DATA**

# SIEMENS

June 08, 2011

Meridian Environmental Consulting, LLC  
2711 North Elco Road  
Fall Creek, WI 54742

Attn: Ken Shimko

REPORT NO.: 1105437

PROJECT NO.: Corner Store

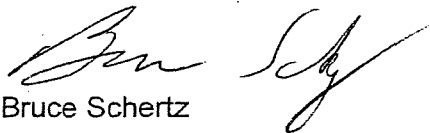
Please find enclosed the analytical report, including the Sample Summary, Sample Narrative and Chain of Custody for your sample set received May 27, 2011.

All analyses were performed in accordance with TNI Standards using approved methods as indicated on this report.

If you have any questions about the results, please call. Thank you for using Siemens Industry, Inc. for your analytical needs.

Sincerely,

Siemens Industry, Inc.



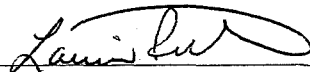
Bruce Schertz

Lab Manager

Enviroscan Analytical™ Services

*I certify that the data contained in this report has been generated and reviewed in accordance with the Siemens Industry, Inc. Quality Assurance Program. Exceptions, if any, are discussed in the sample narrative. Samples will be retained for 30 days from the date of this report, then disposed in an appropriate manner. Siemens Industry, Inc. reserves the right to return samples identified as hazardous. Release of this Final Report is authorized as verified by the following signature. The contents of this report apply to the sample(s) analyzed. No duplication of this report is allowed except in its entirety.*

Reviewed by:



#### Certifications:

Wisconsin 737053130  
Minnesota 055-999-302  
Illinois 100317



Siemens Industry, Inc.

301 West Military Road  
Rothschild, WI 54474

Tel: 800-338-7226  
Fax: 715-355-3221

[www.siemens.com/enviroscan](http://www.siemens.com/enviroscan)

# SIEMENS

## SAMPLE SUMMARY

<u>Lab Id</u>	<u>Client</u>	<u>Sample Id</u>	<u>Date/Time</u>	<u>Matrix</u>
1105437-01	T-S-W		05/24/11 00:00	Soil
1105437-02	T-N-E		05/24/11 00:00	Soil
1105437-03	T-S-E		05/24/11 00:00	Soil
1105437-04	T-N-W		05/24/11 00:00	Soil
1105437-05	T-W		05/24/11 00:00	Soil
1105437-06	T-E		05/24/11 00:00	Soil
1105437-07	P.I.		05/24/11 00:00	Soil
1105437-08	Piping		05/24/11 00:00	Soil
1105437-09	N-E		05/25/11 00:00	Soil
1105437-10	N-W		05/25/11 00:00	Soil
1105437-11	S-E		05/25/11 00:00	Soil
1105437-12	S-W		05/25/11 00:00	Soil
1105437-13	W-S		05/25/11 00:00	Soil
1105437-14	W-N		05/25/11 00:00	Soil
1105437-15	E-N		05/25/11 00:00	Soil
1105437-16	E-S		05/25/11 00:00	Soil
1105437-17	MeOH Blank		05/25/11 00:00	Soil

# SIEMENS

Meridian Environmental Consulting, LLC  
2711 North Elco Road  
Fall Creek, WI 54742

PROJECT NO. : Corner Store  
REPORT NO. : 1105437  
DATE REC'D: 05/27/11 16:10  
REPORT DATE : 06/08/11 15:16  
PREPARED BY : BMS

Attn: Ken Shimko

Sample ID: T-S-W

Matrix: Soil

Sample Date/Time: 05/24/11 0:00

Lab No. : 1105437-01

	<u>Results</u>	<u>Units</u>	<u>LOD</u>	<u>LOQ</u>	<u>Dilution Factor</u>	<u>Qualifiers</u>	<u>Date Analyzed</u>	<u>Analyst</u>
<u>EPA 8021B/ WI DNR GRO</u>								
1,2,4-Trimethylbenzene	0.277	mg/kg dry	0.013	0.025	1		06/06/11	ALZ
1,3,5-Trimethylbenzene	0.127	mg/kg dry	0.018	0.025	1		06/06/11	ALZ
Benzene	0.091	mg/kg dry	0.016	0.025	1		06/06/11	ALZ
Ethylbenzene	0.122	mg/kg dry	0.018	0.025	1		06/06/11	ALZ
Gasoline Range Organics	5.60	mg/kg dry	5.00	5.00	1	G2	06/06/11	ALZ
m&p-Xylene	0.378	mg/kg dry	0.022	0.025	1		06/06/11	ALZ
Methyl Tert Butyl Ether	ND	mg/kg dry	0.024	0.025	1		06/06/11	ALZ
o-Xylene	0.207	mg/kg dry	0.016	0.025	1		06/06/11	ALZ
Toluene	0.384	mg/kg dry	0.021	0.025	1		06/06/11	ALZ

Sample ID: T-N-E

Matrix: Soil

Sample Date/Time: 05/24/11 0:00

Lab No. : 1105437-02

	<u>Results</u>	<u>Units</u>	<u>LOD</u>	<u>LOQ</u>	<u>Dilution Factor</u>	<u>Qualifiers</u>	<u>Date Analyzed</u>	<u>Analyst</u>
<u>EPA 8021B/ WI DNR GRO</u>								
1,2,4-Trimethylbenzene	0.103	mg/kg dry	0.014	0.028	1.1		06/06/11	ALZ
1,3,5-Trimethylbenzene	0.055	mg/kg dry	0.020	0.028	1.1		06/06/11	ALZ
Benzene	0.066	mg/kg dry	0.018	0.028	1.1		06/06/11	ALZ
Ethylbenzene	0.094	mg/kg dry	0.020	0.028	1.1		06/06/11	ALZ
Gasoline Range Organics	ND	mg/kg dry	5.52	5.52	1.1		06/06/11	ALZ
m&p-Xylene	0.282	mg/kg dry	0.024	0.028	1.1		06/06/11	ALZ
Methyl Tert Butyl Ether	ND	mg/kg dry	0.026	0.028	1.1		06/06/11	ALZ
o-Xylene	0.120	mg/kg dry	0.018	0.028	1.1		06/06/11	ALZ
Toluene	0.282	mg/kg dry	0.023	0.028	1.1		06/06/11	ALZ

# SIEMENS

Meridian Environmental Consulting, LLC  
2711 North Elco Road  
Fall Creek, WI 54742

PROJECT NO. : Corner Store  
REPORT NO. : 1105437  
DATE REC'D: 05/27/11 16:10  
REPORT DATE : 06/08/11 15:16  
PREPARED BY : BMS

Attn: Ken Shimko

Sample ID: T-S-E

Matrix: Soil

Sample Date/Time: 05/24/11 0:00

Lab No. : 1105437-03

	<u>Results</u>	<u>Units</u>	<u>LOD</u>	<u>LOQ</u>	<u>Dilution Factor</u>	<u>Qualifiers</u>	<u>Date Analyzed</u>	<u>Analyst</u>
<u>EPA 8021B/ WI DNR GRO</u>								
1,2,4-Trimethylbenzene	0.312	mg/kg dry	0.013	0.025	1		06/06/11	ALZ
1,3,5-Trimethylbenzene	0.153	mg/kg dry	0.018	0.025	1		06/06/11	ALZ
Benzene	0.110	mg/kg dry	0.016	0.025	1		06/06/11	ALZ
Ethylbenzene	0.159	mg/kg dry	0.018	0.025	1		06/06/11	ALZ
Gasoline Range Organics	7.71	mg/kg dry	5.00	5.00	1	G2	06/06/11	ALZ
m&p-Xylene	0.491	mg/kg dry	0.022	0.025	1		06/06/11	ALZ
Methyl Tert Butyl Ether	ND	mg/kg dry	0.024	0.025	1		06/06/11	ALZ
o-Xylene	0.274	mg/kg dry	0.016	0.025	1		06/06/11	ALZ
Toluene	0.522	mg/kg dry	0.021	0.025	1		06/06/11	ALZ

Sample ID: T-N-W

Matrix: Soil

Sample Date/Time: 05/24/11 0:00

Lab No. : 1105437-04

	<u>Results</u>	<u>Units</u>	<u>LOD</u>	<u>LOQ</u>	<u>Dilution Factor</u>	<u>Qualifiers</u>	<u>Date Analyzed</u>	<u>Analyst</u>
<u>EPA 8021B/ WI DNR GRO</u>								
1,2,4-Trimethylbenzene	0.072	mg/kg dry	0.014	0.027	1.08		06/06/11	ALZ
1,3,5-Trimethylbenzene	ND	mg/kg dry	0.020	0.027	1.08		06/06/11	ALZ
Benzene	0.074	mg/kg dry	0.017	0.027	1.08		06/06/11	ALZ
Ethylbenzene	0.076	mg/kg dry	0.020	0.027	1.08		06/06/11	ALZ
Gasoline Range Organics	ND	mg/kg dry	5.42	5.42	1.08		06/06/11	ALZ
m&p-Xylene	0.214	mg/kg dry	0.024	0.027	1.08		06/06/11	ALZ
Methyl Tert Butyl Ether	ND	mg/kg dry	0.026	0.027	1.08		06/06/11	ALZ
o-Xylene	0.094	mg/kg dry	0.017	0.027	1.08		06/06/11	ALZ
Toluene	0.212	mg/kg dry	0.023	0.027	1.08		06/06/11	ALZ



# SIEMENS

Meridian Environmental Consulting, LLC  
2711 North Elco Road  
Fall Creek, WI 54742

PROJECT NO. : Corner Store  
REPORT NO. : 1105437  
DATE REC'D: 05/27/11 16:10  
REPORT DATE : 06/08/11 15:16  
PREPARED BY : BMS

Attn: Ken Shimko

Sample ID: T-W

Matrix: Soil

Sample Date/Time: 05/24/11 0:00

Lab No. : 1105437-05

	<u>Results</u>	<u>Units</u>	<u>LOD</u>	<u>LOQ</u>	<u>Dilution Factor</u>	<u>Qualifiers</u>	<u>Date Analyzed</u>	<u>Analyst</u>
<u>EPA 8021B/ WI DNR GRO</u>								
1,2,4-Trimethylbenzene	0.126	mg/kg dry	0.013	0.025	1.02		06/06/11	ALZ
1,3,5-Trimethylbenzene	0.056	mg/kg dry	0.018	0.025	1.02		06/06/11	ALZ
Benzene	0.061	mg/kg dry	0.016	0.025	1.02		06/06/11	ALZ
Ethylbenzene	0.090	mg/kg dry	0.018	0.025	1.02		06/06/11	ALZ
Gasoline Range Organics	ND	mg/kg dry	5.10	5.10	1.02		06/06/11	ALZ
m&p-Xylene	0.300	mg/kg dry	0.022	0.025	1.02		06/06/11	ALZ
Methyl Tert Butyl Ether	ND	mg/kg dry	0.024	0.025	1.02		06/06/11	ALZ
o-Xylene	0.137	mg/kg dry	0.016	0.025	1.02		06/06/11	ALZ
Toluene	0.291	mg/kg dry	0.021	0.025	1.02		06/06/11	ALZ

Sample ID: T-E

Matrix: Soil

Sample Date/Time: 05/24/11 0:00

Lab No. : 1105437-06

	<u>Results</u>	<u>Units</u>	<u>LOD</u>	<u>LOQ</u>	<u>Dilution Factor</u>	<u>Qualifiers</u>	<u>Date Analyzed</u>	<u>Analyst</u>
<u>EPA 8021B/ WI DNR GRO</u>								
1,2,4-Trimethylbenzene	0.146	mg/kg dry	0.014	0.028	1.1		06/06/11	ALZ
1,3,5-Trimethylbenzene	0.065	mg/kg dry	0.020	0.028	1.1		06/06/11	ALZ
Benzene	0.076	mg/kg dry	0.018	0.028	1.1		06/06/11	ALZ
Ethylbenzene	0.112	mg/kg dry	0.020	0.028	1.1		06/06/11	ALZ
Gasoline Range Organics	ND	mg/kg dry	5.52	5.52	1.1		06/06/11	ALZ
m&p-Xylene	0.368	mg/kg dry	0.024	0.028	1.1		06/06/11	ALZ
Methyl Tert Butyl Ether	ND	mg/kg dry	0.027	0.028	1.1		06/06/11	ALZ
o-Xylene	0.163	mg/kg dry	0.018	0.028	1.1		06/06/11	ALZ
Toluene	0.374	mg/kg dry	0.023	0.028	1.1		06/06/11	ALZ

# SIEMENS

Meridian Environmental Consulting, LLC  
2711 North Elco Road  
Fall Creek, WI 54742

PROJECT NO. : Corner Store  
REPORT NO. : 1105437  
DATE REC'D: 05/27/11 16:10  
REPORT DATE : 06/08/11 15:16  
PREPARED BY : BMS

Attn: Ken Shimko

Sample ID: P.I.

Matrix: Soil

Sample Date/Time: 05/24/11 0:00

Lab No. : 1105437-07

	<u>Results</u>	<u>Units</u>	<u>LOD</u>	<u>LOQ</u>	<u>Dilution Factor</u>	<u>Qualifiers</u>	<u>Date Analyzed</u>	<u>Analyst</u>
<u>EPA 8021B/ WI DNR GRO</u>								
1,2,4-Trimethylbenzene	9.24	mg/kg dry	0.065	0.125	5		06/07/11	ALZ
1,3,5-Trimethylbenzene	3.56	mg/kg dry	0.090	0.125	5		06/07/11	ALZ
Benzene	ND	mg/kg dry	0.080	0.125	5		06/07/11	ALZ
Ethylbenzene	1.54	mg/kg dry	0.090	0.125	5		06/07/11	ALZ
Gasoline Range Organics	213	mg/kg dry	25.0	25.0	5	G8	06/07/11	ALZ
m&p-Xylene	5.94	mg/kg dry	0.110	0.125	5		06/07/11	ALZ
Methyl Tert Butyl Ether	ND	mg/kg dry	0.120	0.125	5		06/07/11	ALZ
o-Xylene	2.39	mg/kg dry	0.080	0.125	5		06/07/11	ALZ
Toluene	1.28	mg/kg dry	0.105	0.125	5		06/07/11	ALZ

Sample ID: Piping

Matrix: Soil

Sample Date/Time: 05/24/11 0:00

Lab No. : 1105437-08

	<u>Results</u>	<u>Units</u>	<u>LOD</u>	<u>LOQ</u>	<u>Dilution Factor</u>	<u>Qualifiers</u>	<u>Date Analyzed</u>	<u>Analyst</u>
<u>EPA 8021B/ WI DNR GRO</u>								
1,2,4-Trimethylbenzene	ND	mg/kg dry	0.013	0.025	1		06/06/11	ALZ
1,3,5-Trimethylbenzene	ND	mg/kg dry	0.018	0.025	1		06/06/11	ALZ
Benzene	ND	mg/kg dry	0.016	0.025	1		06/06/11	ALZ
Ethylbenzene	ND	mg/kg dry	0.018	0.025	1		06/06/11	ALZ
Gasoline Range Organics	ND	mg/kg dry	5.00	5.00	1		06/06/11	ALZ
m&p-Xylene	0.108	mg/kg dry	0.022	0.025	1		06/06/11	ALZ
Methyl Tert Butyl Ether	ND	mg/kg dry	0.024	0.025	1		06/06/11	ALZ
o-Xylene	ND	mg/kg dry	0.016	0.025	1		06/06/11	ALZ
Toluene	0.056	mg/kg dry	0.021	0.025	1		06/06/11	ALZ

# SIEMENS

Meridian Environmental Consulting, LLC  
2711 North Elco Road  
Fall Creek, WI 54742

PROJECT NO. : Corner Store  
REPORT NO. : 1105437  
DATE REC'D: 05/27/11 16:10  
REPORT DATE : 06/08/11 15:16  
PREPARED BY : BMS

Attn: Ken Shimko

Sample ID: N-E

Matrix: Soil

Sample Date/Time: 05/25/11 0:00

Lab No. : 1105437-09

	<u>Results</u>	<u>Units</u>	<u>LOD</u>	<u>LOQ</u>	<u>Dilution Factor</u>	<u>Qualifiers</u>	<u>Date Analyzed</u>	<u>Analyst</u>
<u>EPA 8021B</u>								
1,2,4-Trimethylbenzene	0.483	mg/kg dry	0.014	0.027	1.07		06/06/11	ALZ
1,3,5-Trimethylbenzene	0.158	mg/kg dry	0.019	0.027	1.07		06/06/11	ALZ
Benzene	0.131	mg/kg dry	0.017	0.027	1.07		06/06/11	ALZ
Ethylbenzene	0.107	mg/kg dry	0.019	0.027	1.07		06/06/11	ALZ
m&p-Xylene	0.354	mg/kg dry	0.023	0.027	1.07		06/06/11	ALZ
Methyl Tert Butyl Ether	ND	mg/kg dry	0.026	0.027	1.07		06/06/11	ALZ
Naphthalene	0.373	mg/kg dry	0.019	0.027	1.07		06/06/11	ALZ
o-Xylene	0.197	mg/kg dry	0.017	0.027	1.07		06/06/11	ALZ
Toluene	0.187	mg/kg dry	0.022	0.027	1.07		06/06/11	ALZ

Sample ID: N-W

Matrix: Soil

Sample Date/Time: 05/25/11 0:00

Lab No. : 1105437-10

	<u>Results</u>	<u>Units</u>	<u>LOD</u>	<u>LOQ</u>	<u>Dilution Factor</u>	<u>Qualifiers</u>	<u>Date Analyzed</u>	<u>Analyst</u>
<u>EPA 8021B</u>								
1,2,4-Trimethylbenzene	0.415	mg/kg dry	0.016	0.031	1.24		06/07/11	ALZ
1,3,5-Trimethylbenzene	0.155	mg/kg dry	0.022	0.031	1.24		06/07/11	ALZ
Benzene	0.157	mg/kg dry	0.020	0.031	1.24		06/07/11	ALZ
Ethylbenzene	0.138	mg/kg dry	0.022	0.031	1.24		06/07/11	ALZ
m&p-Xylene	0.431	mg/kg dry	0.027	0.031	1.24		06/07/11	ALZ
Methyl Tert Butyl Ether	ND	mg/kg dry	0.030	0.031	1.24		06/07/11	ALZ
Naphthalene	0.153	mg/kg dry	0.022	0.031	1.24		06/07/11	ALZ
o-Xylene	0.231	mg/kg dry	0.020	0.031	1.24		06/07/11	ALZ
Toluene	0.135	mg/kg dry	0.026	0.031	1.24		06/07/11	ALZ

# SIEMENS

Meridian Environmental Consulting, LLC  
2711 North Elco Road  
Fall Creek, WI 54742

PROJECT NO. : Corner Store  
REPORT NO. : 1105437  
DATE REC'D: 05/27/11 16:10  
REPORT DATE : 06/08/11 15:16  
PREPARED BY : BMS

Attn: Ken Shimko

Sample ID: S-E

Matrix: Soil

Sample Date/Time: 05/25/11 0:00

Lab No. : 1105437-11

	<u>Results</u>	<u>Units</u>	<u>LOD</u>	<u>LOQ</u>	<u>Dilution Factor</u>	<u>Qualifiers</u>	<u>Date Analyzed</u>	<u>Analyst</u>
<b>EPA 8021B</b>								
1,2,4-Trimethylbenzene	0.062	mg/kg dry	0.015	0.029	1.15		06/07/11	ALZ
1,3,5-Trimethylbenzene	ND	mg/kg dry	0.021	0.029	1.15		06/07/11	ALZ
Benzene	ND	mg/kg dry	0.018	0.029	1.15		06/07/11	ALZ
Ethylbenzene	ND	mg/kg dry	0.021	0.029	1.15		06/07/11	ALZ
m&p-Xylene	0.145	mg/kg dry	0.025	0.029	1.15		06/07/11	ALZ
Methyl Tert Butyl Ether	ND	mg/kg dry	0.027	0.029	1.15		06/07/11	ALZ
Naphthalene	ND	mg/kg dry	0.021	0.029	1.15		06/07/11	ALZ
o-Xylene	ND	mg/kg dry	0.018	0.029	1.15		06/07/11	ALZ
Toluene	0.104	mg/kg dry	0.024	0.029	1.15		06/07/11	ALZ

Sample ID: S-W

Matrix: Soil

Sample Date/Time: 05/25/11 0:00

Lab No. : 1105437-12

	<u>Results</u>	<u>Units</u>	<u>LOD</u>	<u>LOQ</u>	<u>Dilution Factor</u>	<u>Qualifiers</u>	<u>Date Analyzed</u>	<u>Analyst</u>
<b>EPA 8021B</b>								
1,2,4-Trimethylbenzene	ND	mg/kg dry	0.014	0.027	1.07		06/07/11	ALZ
1,3,5-Trimethylbenzene	ND	mg/kg dry	0.019	0.027	1.07		06/07/11	ALZ
Benzene	ND	mg/kg dry	0.017	0.027	1.07		06/07/11	ALZ
Ethylbenzene	ND	mg/kg dry	0.019	0.027	1.07		06/07/11	ALZ
m&p-Xylene	0.121	mg/kg dry	0.024	0.027	1.07		06/07/11	ALZ
Methyl Tert Butyl Ether	ND	mg/kg dry	0.026	0.027	1.07		06/07/11	ALZ
Naphthalene	ND	mg/kg dry	0.019	0.027	1.07		06/07/11	ALZ
o-Xylene	ND	mg/kg dry	0.017	0.027	1.07		06/07/11	ALZ
Toluene	0.085	mg/kg dry	0.022	0.027	1.07		06/07/11	ALZ

# SIEMENS

Meridian Environmental Consulting, LLC  
2711 North Elco Road  
Fall Creek, WI 54742

PROJECT NO. : Corner Store  
REPORT NO. : 1105437  
DATE REC'D: 05/27/11 16:10  
REPORT DATE : 06/08/11 15:16  
PREPARED BY : BMS

Attn: Ken Shimko

Sample ID: W-S

Matrix: Soil

Sample Date/Time: 05/25/11 0:00

Lab No. : 1105437-13

	<u>Results</u>	<u>Units</u>	<u>LOD</u>	<u>LOQ</u>	<u>Dilution Factor</u>	<u>Qualifiers</u>	<u>Date Analyzed</u>	<u>Analyst</u>
<b>EPA 8021B</b>								
1,2,4-Trimethylbenzene	ND	mg/kg dry	0.014	0.027	1.06		06/07/11	ALZ
1,3,5-Trimethylbenzene	ND	mg/kg dry	0.019	0.027	1.06		06/07/11	ALZ
Benzene	ND	mg/kg dry	0.017	0.027	1.06		06/07/11	ALZ
Ethylbenzene	ND	mg/kg dry	0.019	0.027	1.06		06/07/11	ALZ
m&p-Xylene	0.127	mg/kg dry	0.023	0.027	1.06		06/07/11	ALZ
Methyl Tert Butyl Ether	ND	mg/kg dry	0.026	0.027	1.06		06/07/11	ALZ
Naphthalene	ND	mg/kg dry	0.019	0.027	1.06		06/07/11	ALZ
o-Xylene	ND	mg/kg dry	0.017	0.027	1.06		06/07/11	ALZ
Toluene	0.098	mg/kg dry	0.022	0.027	1.06		06/07/11	ALZ

Sample ID: W-N

Matrix: Soil

Sample Date/Time: 05/25/11 0:00

Lab No. : 1105437-14

	<u>Results</u>	<u>Units</u>	<u>LOD</u>	<u>LOQ</u>	<u>Dilution Factor</u>	<u>Qualifiers</u>	<u>Date Analyzed</u>	<u>Analyst</u>
<b>EPA 8021B</b>								
1,2,4-Trimethylbenzene	ND	mg/kg dry	0.015	0.029	1.15		06/07/11	ALZ
1,3,5-Trimethylbenzene	ND	mg/kg dry	0.021	0.029	1.15		06/07/11	ALZ
Benzene	ND	mg/kg dry	0.018	0.029	1.15		06/07/11	ALZ
Ethylbenzene	ND	mg/kg dry	0.021	0.029	1.15		06/07/11	ALZ
m&p-Xylene	0.126	mg/kg dry	0.025	0.029	1.15		06/07/11	ALZ
Methyl Tert Butyl Ether	ND	mg/kg dry	0.028	0.029	1.15		06/07/11	ALZ
Naphthalene	ND	mg/kg dry	0.021	0.029	1.15		06/07/11	ALZ
o-Xylene	ND	mg/kg dry	0.018	0.029	1.15		06/07/11	ALZ
Toluene	0.089	mg/kg dry	0.024	0.029	1.15		06/07/11	ALZ

# SIEMENS

Meridian Environmental Consulting, LLC  
2711 North Elco Road  
Fall Creek, WI 54742

PROJECT NO. : Corner Store  
REPORT NO. : 1105437  
DATE REC'D: 05/27/11 16:10  
REPORT DATE : 06/08/11 15:16  
PREPARED BY : BMS

Attn: Ken Shimko

Sample ID: E-N

Matrix: Soil

Sample Date/Time: 05/25/11 0:00

Lab No. : 1105437-15

	<u>Results</u>	<u>Units</u>	<u>LOD</u>	<u>LOQ</u>	<u>Dilution Factor</u>	<u>Qualifiers</u>	<u>Date Analyzed</u>	<u>Analyst</u>
<u>EPA 8021B</u>								
1,2,4-Trimethylbenzene	0.097	mg/kg dry	0.013	0.025	1		06/07/11	ALZ
1,3,5-Trimethylbenzene	0.071	mg/kg dry	0.018	0.025	1		06/07/11	ALZ
Benzene	ND	mg/kg dry	0.016	0.025	1		06/07/11	ALZ
Ethylbenzene	ND	mg/kg dry	0.018	0.025	1		06/07/11	ALZ
m&p-Xylene	0.123	mg/kg dry	0.022	0.025	1		06/07/11	ALZ
Methyl Tert Butyl Ether	ND	mg/kg dry	0.024	0.025	1		06/07/11	ALZ
Naphthalene	0.103	mg/kg dry	0.018	0.025	1		06/07/11	ALZ
o-Xylene	ND	mg/kg dry	0.016	0.025	1		06/07/11	ALZ
Toluene	0.070	mg/kg dry	0.021	0.025	1		06/07/11	ALZ

Sample ID: E-S

Matrix: Soil

Sample Date/Time: 05/25/11 0:00

Lab No. : 1105437-16

	<u>Results</u>	<u>Units</u>	<u>LOD</u>	<u>LOQ</u>	<u>Dilution Factor</u>	<u>Qualifiers</u>	<u>Date Analyzed</u>	<u>Analyst</u>
<u>EPA 8021B</u>								
1,2,4-Trimethylbenzene	ND	mg/kg dry	0.013	0.025	1		06/07/11	ALZ
1,3,5-Trimethylbenzene	ND	mg/kg dry	0.018	0.025	1		06/07/11	ALZ
Benzene	ND	mg/kg dry	0.016	0.025	1		06/07/11	ALZ
Ethylbenzene	ND	mg/kg dry	0.018	0.025	1		06/07/11	ALZ
m&p-Xylene	0.105	mg/kg dry	0.022	0.025	1		06/07/11	ALZ
Methyl Tert Butyl Ether	ND	mg/kg dry	0.024	0.025	1		06/07/11	ALZ
Naphthalene	ND	mg/kg dry	0.018	0.025	1		06/07/11	ALZ
o-Xylene	ND	mg/kg dry	0.016	0.025	1		06/07/11	ALZ
Toluene	0.064	mg/kg dry	0.021	0.025	1		06/07/11	ALZ

# SIEMENS

Meridian Environmental Consulting, LLC  
2711 North Elco Road  
Fall Creek, WI 54742

PROJECT NO. : Corner Store  
REPORT NO. : 1105437  
DATE REC'D: 05/27/11 16:10  
REPORT DATE : 06/08/11 15:16  
PREPARED BY : BMS

Attn: Ken Shimko

Sample ID: MeOH Blank

Matrix: Soil

Sample Date/Time: 05/25/11 0:00

Lab No. : 1105437-17

	<u>Results</u>	<u>Units</u>	<u>LOD</u>	<u>LOQ</u>	<u>Dilution Factor</u>	<u>Qualifiers</u>	<u>Date Analyzed</u>	<u>Analyst</u>
<u>EPA 8021B</u>								
1,2,4-Trimethylbenzene	ND	mg/kg	0.013	0.025	1		06/07/11	ALZ
1,3,5-Trimethylbenzene	ND	mg/kg	0.018	0.025	1		06/07/11	ALZ
Benzene	ND	mg/kg	0.016	0.025	1		06/07/11	ALZ
Ethylbenzene	ND	mg/kg	0.018	0.025	1		06/07/11	ALZ
m&p-Xylene	ND	mg/kg	0.022	0.025	1		06/07/11	ALZ
Methyl Tert Butyl Ether	ND	mg/kg	0.024	0.025	1		06/07/11	ALZ
Naphthalene	ND	mg/kg	0.018	0.025	1		06/07/11	ALZ
o-Xylene	ND	mg/kg	0.016	0.025	1		06/07/11	ALZ
Toluene	ND	mg/kg	0.021	0.025	1		06/07/11	ALZ
<u>WI DNR GRO</u>								
GROs	ND	mg/kg	5.00	5.00	1		06/07/11	ALZ

# SIEMENS

## Qualifier Descriptions

- G8            The chromatogram is characteristic for weathered gasoline, however either additional peaks are present or PVOC peaks are not proportional to weathered gasoline indicating the presence of additional compounds.
- G2            The chromatogram is characteristic of a weathered gasoline.

## Definitions

LOD = Limit of Detection (Dilution Corrected)  
LOQ = Limit of Quantitation (Dilution Corrected)  
Reporting Limit = LOQ (Dilution Corrected)  
ND = Not Detected  
COMP = Complete  
SUBCON = Subcontracted analysis  
mv = millivolts  
pci/L = picocuries per Liter  
mL/L = milliliters per Liter  
mg = milligram

When the word "dry" follows the units on the result page the sample results are dry weight corrected.

LODs and LOQs are dry weight corrected for all soils except WI GRO and EPA 8021 methanol and WI DNR methylene chloride preserved soils.

(WNC) = The required Wisconsin DNR program certification is not held for this analyte.

ug/l = Micrograms per Liter = parts per billion (ppb)  
ug/kg = Micrograms per kilogram = parts per billion (ppb)  
mg/l = Milligrams per liter = parts per million (ppm)  
mg/kg = Milligrams per kilogram = parts per million (ppm)  
NOT PRES = Not Present  
ppth = Parts per thousand  
\* = Result outside established limits.  
mg/m<sup>3</sup> = Milligrams per meter cubed  
ng/L = Nanograms per Liter = Parts per trillion (ppt)  
> = Greater Than

Methanol Soils for WI GRO and EPA 8021 are reported to the LOQ.



# SIEMENS

Client: Meridian Env. Consulting Date Received: 5 / 27 / 11  
1105437  
Analytical Number: -1 through -17

Check all deviations from the EPA or WDNR sample protocol.

- Sample(s) received at \_\_\_\_\_ °C which is above the EPA and WDNR limit of 4°C.
- VOC vial(s) received with headspace.
- Sample(s) received in bottles not furnished by Siemens Water Technologies. The preservation method, if used, is unknown.
- Sample(s) were not properly preserved per EPA or WDNR protocol for the following analyses:
  - \_\_\_\_\_
- Sample(s) were received beyond the EPA/WDNR holding time for the following analyses:
  - \_\_\_\_\_
- Sample date/time not supplied by client. Actual holding time is unknown.
- GRO / PVOC / VOC / DRO (circle) sample(s) are <19.5 grams. This report is the qualifier flag for that QC failure. The client has been contacted for further instructions. Analytical number(s) of the sample(s) under weight are:
  - \_\_\_\_\_
- GRO / PVOC / VOC (circle) sample(s) were between 26.4 and 35.4 grams. Methanol was added in a 1:1 ratio in the lab. Analytical number(s) of the sample(s) affected are:
  - 1105437-1A + 4ml, -3A + 2ml, -7A + 2ml, -16A + 8ml
- GRO / PVOC / VOC / DRO (circle) sample(s) are >35.4 grams and are required to be rejected. This report is the qualifier flag for that QC failure. The client has been contacted for further instructions. Analytical number(s) of the sample(s) affected are:
  - \_\_\_\_\_
- Other problems:
  - \_\_\_\_\_

Client contacted concerning the above deviations:

\_\_\_\_\_ notified of the above deviation(s) on \_\_\_\_\_ / \_\_\_\_\_ / \_\_\_\_\_ @  
\_\_\_\_\_ contact name  
\_\_\_\_\_ am/pm by \_\_\_\_\_ and the client ordered the following:  
\_\_\_\_\_ initial

- Proceed with analyses as ordered.
- Proceed with analyses after taking the following corrective action:
  - \_\_\_\_\_
- Do NOT proceed with analyses.

Siemens Water Technologies Corp.

301 West Military Road  
Rothschild, WI 54474

Tel: (800)338-7226  
Fax: (715)355-3221

Company Name <b>Mendota Env. CS Hq.</b>	Project <b>Corner Stone</b>	
Report Mailing Address <b>2711 N. Elco Rd Fall Creek, WI</b>	Contact Name, Phone, Fax, Email <b>Ken Stimpko 715-832-6608</b>	
Invoice Address <b>54742</b>	Purchase Order #	Invoice Contact and Phone No.

Matrix: Drinking Water Groundwater Wastewater Soil/Solid Other: \_\_\_\_\_

Wis. PECFA Project subject to U&C?  Yes  No

For Compliance Monitoring? Yes  No  State: \_\_\_\_\_  
(If Yes, please specify Agency or Regulation) Agency/Reg.: \_\_\_\_\_

Turnaround Request:  Normal (10 Bus. Days)  
 Rush (Must be pre-approved by Lab and is subject to surcharges)  
Date Needed: \_\_\_\_\_

WO No. **1165437**

Analyses Requested										Lab Use Only		
P VOC + Meth										Delivered by:	Walk-in	<u>Courier</u>
										Ship. Cont. OK?	<input checked="" type="radio"/> Y	<input type="radio"/> N
										Samples Leaking?	<input type="radio"/> Y	<input checked="" type="radio"/> N
										Seals OK?	<input checked="" type="radio"/> Y	<input type="radio"/> N
										Rec'd on Ice?	<input checked="" type="radio"/> Y	<input type="radio"/> N
										Sample Receiving Comments:		
										3.0		
										Comments		
										1.2oz Meeth, 1-TS play		
										Vial Meeth 7.27-10 TB034		

Lab Use Only	Sample		No. of Containers		Sample ID
	Date	Time	Comp	Grab	
-9	5/25/11	4pm		x2	N-E
-10					N-W
-11					S-E
-12					S-W
-13					W-S
-14					W-N
-15					E-N
-16					E-S
-17				1	Meeth Blank

Chain of Custody Record

Relinquished By:	Date	Time	Received By:
	5-26-11	1pm	
	5-27-11	1010	

Company Name <b>Mendota Env. CS Inc.</b>		Project <b>Corner Store</b>	
Report Mailing Address <b>2711 N. Elco Rd Fall Creek, WI</b>		Contact Name, Phone, Fax, Email <b>Ken Shinko 715-832-6608</b>	
Invoice Address <b>54742</b>		Purchase Order #	Invoice Contact and Phone No.

Matrix: Drinking Water Groundwater Wastewater Soil/Solid Other: \_\_\_\_\_

Wis. PECFA Project subject to U&C? Yes No

For Compliance Monitoring? Yes No State: \_\_\_\_\_  
(If Yes, please specify Agency or Regulation) Agency/Reg.: \_\_\_\_\_

Turnaround Request:  Normal (10 Bus. Days)  
 Rush (Must be pre-approved by Lab and is subject to surcharges)  
Date Needed: \_\_\_\_\_

WO No. 1105437

Analyses Requested							Lab Use Only		
PUBCT+GRO							Delivered by:	Walk-in	<u>Courier</u>
							Ship. Cont. OK?	<u>Y</u> N	NA
							Samples Leaking?	<u>Y</u> N	NA
							Seals OK?	<u>Y</u> N	NA
							Rec'd on Ice?	<u>Y</u> N	NA
							Sample Receiving Comments: <b>3.0</b>		
							Comments		

Lab Use Only	Sample		No. of Containers		Sample ID
	Date	Time	Comp	Grab	
1	5/24/11	Noon		X 2	T-S-W
2					T-N-E
3					T-S-E
4					T-N-W
5					T-W
6					T-E
7					P-I.
8					Piping

Chain of Custody Record

Relinquished By:	Date	Time	Received By:
	5-26-11	1 pm	
	5-27-11	11:10	

# SIEMENS

June 13, 2011

Meridian Environmental Consulting, LLC  
2711 North Elco Road  
Fall Creek, WI 54742

Attn: Ken Shimko

REPORT NO.: 1106075

PROJECT NO.: Fosters Corner Store

Please find enclosed the analytical report, including the Sample Summary, Sample Narrative and Chain of Custody for your sample set received June 3, 2011.

All analyses were performed in accordance with TNI Standards using approved methods as indicated on this report.

If you have any questions about the results, please call. Thank you for using Siemens Industry, Inc. for your analytical needs.

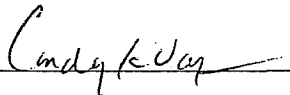
Sincerely,

Siemens Industry, Inc.

  
Bruce Schertz  
Lab Manager  
Enviroscan Analytical™ Services

*I certify that the data contained in this report has been generated and reviewed in accordance with the Siemens Industry, Inc. Quality Assurance Program. Exceptions, if any, are discussed in the sample narrative. Samples will be retained for 30 days from the date of this report, then disposed in an appropriate manner. Siemens Industry, Inc. reserves the right to return samples identified as hazardous. Release of this Final Report is authorized as verified by the following signature. The contents of this report apply to the sample(s) analyzed. No duplication of this report is allowed except in its entirety.*

Reviewed by: \_\_\_\_\_





**Certifications:**

Wisconsin 737053130  
Minnesota 055-999-302  
Illinois 100317

Siemens Industry, Inc.

301 West Military Road  
Rothschild, WI 54474

Tel: 800-338-7226  
Fax: 715-355-3221

[www.siemens.com/enviroscan](http://www.siemens.com/enviroscan)

# SIEMENS

## SAMPLE SUMMARY

Lab Id  
1106075-01

Client Sample Id  
Old Tank 4-6'

Date/Time  
06/01/11 00:00

Matrix  
Soil

# SIEMENS

Meridian Environmental Consulting, LLC  
2711 North Elco Road  
Fall Creek, WI 54742

Attn: Ken Shimko

Sample ID: Old Tank 4-6

Matrix: Soil

PROJECT NO. : Fosters Corner Store  
REPORT NO. : 1106075  
DATE REC'D: 06/03/11 12:22  
REPORT DATE : 06/13/11 15:32  
PREPARED BY : BMS

Sample Date/Time: 06/01/11 0:00

Lab No. : 1106075-01

(AKA SB-11)

	<u>Results</u>	<u>Units</u>	<u>LOD</u>	<u>LOQ</u>	<u>Dilution Factor</u>	<u>Qualifiers</u>	<u>Date Analyzed</u>	<u>Analyst</u>
<u>EPA 8021B</u>								
1,2,4-Trimethylbenzene	0.096	mg/kg dry	0.013	0.025	1		06/09/11	ALZ
1,3,5-Trimethylbenzene	0.152	mg/kg dry	0.018	0.025	1		06/09/11	ALZ
Benzene	ND	mg/kg dry	0.016	0.025	1		06/09/11	ALZ
Ethylbenzene	ND	mg/kg dry	0.018	0.025	1		06/09/11	ALZ
m&p-Xylene	0.167	mg/kg dry	0.022	0.025	1		06/09/11	ALZ
Methyl Tert Butyl Ether	ND	mg/kg dry	0.024	0.025	1		06/09/11	ALZ
Naphthalene	0.073	mg/kg dry	0.018	0.025	1		06/09/11	ALZ
o-Xylene	0.090	mg/kg dry	0.016	0.025	1		06/09/11	ALZ
Toluene	0.084	mg/kg dry	0.021	0.025	1		06/09/11	ALZ

# SIEMENS

## Qualifier Descriptions

LOD = Limit of Detection (Dilution Corrected)  
LOQ = Limit of Quantitation (Dilution Corrected)  
Reporting Limit = LOQ (Dilution Corrected)  
ND = Not Detected  
COMP = Complete  
SUBCON = Subcontracted analysis  
mv = millivolts  
pci/L = picocuries per Liter  
mL/L = milliliters per Liter  
mg = milligram

When the word "dry" follows the units on the result page the sample results are dry weight corrected.

LODs and LOQs are dry weight corrected for all soils except WI GRO and EPA 8021 methanol and WI DNR methylene chloride preserved soils.

(WNC) = The required Wisconsin DNR program certification is not held for this analyte.

## Definitions

ug/l = Micrograms per Liter = parts per billion (ppb)  
ug/kg = Micrograms per kilogram = parts per billion (ppb)  
mg/l = Milligrams per liter = parts per million (ppm)  
mg/kg = Milligrams per kilogram = parts per million (ppm)  
NOT PRES = Not Present  
ppth = Parts per thousand  
\* = Result outside established limits.  
mg/m<sup>3</sup> = Milligrams per meter cubed  
ng/L = Nanograms per Liter = Parts per trillion (ppt)  
> = Greater Than

Methanol Soils for WI GRO and EPA 8021 are reported to the LOQ.

# SIEMENS

Client: Meridian Env. Consulting LLC Date Received: 6 / 3 / 11

Analytical Number: 1106075 through \_\_\_\_\_

**Check all deviations from the EPA or WDNR sample protocol.**

- Sample(s) received at \_\_\_\_\_ °C which is above the EPA and WDNR limit of 4°C.
- VOC vial(s) received with headspace.
- Sample(s) received in bottles not furnished by Siemens Water Technologies. The preservation method, if used, is unknown.
- Sample(s) were not properly preserved per EPA or WDNR protocol for the following analyses:
  - \_\_\_\_\_
- Sample(s) were received beyond the EPA/WDNR holding time for the following analyses:
  - \_\_\_\_\_
- Sample date/time not supplied by client. Actual holding time is unknown.
- GRO / PVOC / VOC / DRO (circle) sample(s) are <19.5 grams. This report is the qualifier flag for that QC failure. The client has been contacted for further instructions. Analytical number(s) of the sample(s) under weight are:
  - \_\_\_\_\_
- GRO / PVOC / VOC (circle) sample(s) were between 26.4 and 35.4 grams. Methanol was added in a 1:1 ratio in the lab. Analytical number(s) of the sample(s) affected are:
  - 1106075 - OIA - + 10ml
- GRO / PVOC / VOC / DRO (circle) sample(s) are >35.4 grams and are required to be rejected. This report is the qualifier flag for that QC failure. The client has been contacted for further instructions. Analytical number(s) of the sample(s) affected are:
  - \_\_\_\_\_
- Other problems:
  - \_\_\_\_\_

**Client contacted concerning the above deviations:**

\_\_\_\_\_ notified of the above deviation(s) on \_\_\_\_/\_\_\_\_/\_\_\_\_ @  
\_\_\_\_\_ contact name

\_\_\_\_\_ am/pm by \_\_\_\_\_ and the client ordered the following:

- Proceed with analyses as ordered.
- Proceed with analyses after taking the following corrective action:
  - \_\_\_\_\_
- Do NOT proceed with analyses.

Siemens Water Technologies Corp.

301 West Military Road  
Rothschild, WI 54474

Tel: (800)338-7226  
Fax: (715)355-3221



Company Name <i>Meridian Env. C Hg, LLC</i>		Project <i>Foster's Corner Store</i>	
Report Mailing Address <i>2711 N. Elco Rd Fall Creek, WI</i>		Contact Name, Phone, Fax, Email <i>Ken Shimko 715-832-6608</i>	
Invoice Address <i>54742</i>		Purchase Order #	Invoice Contact and Phone No.

Matrix: Drinking Water Groundwater Wastewater Soil/Solid Other: \_\_\_\_\_

Wis. PECFA Project subject to U&C?  Yes  No

For Compliance Monitoring? Yes  No  State: \_\_\_\_\_  
(If Yes, please specify Agency or Regulation) Agency/Reg.: \_\_\_\_\_

Turnaround Request:  Normal (10 Bus. Days)  
 Rush (Must be pre-approved by Lab and is subject to surcharges)  
Date Needed: \_\_\_\_\_

WO No. *1106075*

Analyses Requested										Lab Use Only		
<i>PVEL + Neph</i>										Delivered by:	Walk-In	<u>Courier</u>
										Ship Cont. OK?	<input checked="" type="radio"/>	N NA
										Samples Leaking?	<input checked="" type="radio"/>	N NA
										Seals OK?	<input checked="" type="radio"/>	N NA
										Rec'd on Ice?	<input checked="" type="radio"/>	N NA
Sample Receiving Comments:										<i>NO</i>		

*Dunham*

Lab-Use Only	Sample		No. of Containers		Sample ID
	Date	Time	Comp	Grab	
<i>1</i>	<i>6-1-11</i>				<i>OLD TANK-46'</i>

*1-plastic bag*

Chain of Custody Record

Relinquished By:	Date	Time	Received By:
<i>[Signature]</i>	<i>6-2-11</i>	<i>3 pm</i>	
	<i>6-3-11</i>	<i>1200</i>	<i>Susan Anderson</i>

# SIEMENS

June 17, 2011

Meridian Environmental Consulting, LLC  
2711 North Elco Road  
Fall Creek, WI 54742

Attn: Ken Shimko

**REPORT NO.: 1106201**

**PROJECT NO.: Corner Stone**

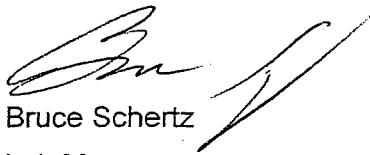
Please find enclosed the analytical report, including the Sample Summary, Sample Narrative and Chain of Custody for your sample set received June 10, 2011.

All analyses were performed in accordance with TNI Standards using approved methods as indicated on this report.

If you have any questions about the results, please call. Thank you for using Siemens Industry, Inc. for your analytical needs.

Sincerely,

Siemens Industry, Inc.

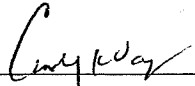


Bruce Schertz  
Lab Manager

Enviroscan Analytical™ Services

*I certify that the data contained in this report has been generated and reviewed in accordance with the Siemens Industry, Inc. Quality Assurance Program. Exceptions, if any, are discussed in the sample narrative. Samples will be retained for 30 days from the date of this report, then disposed in an appropriate manner. Siemens Industry, Inc. reserves the right to return samples identified as hazardous. Release of this Final Report is authorized as verified by the following signature. The contents of this report apply to the sample(s) analyzed. No duplication of this report is allowed except in its entirety.*

Reviewed by: \_\_\_\_\_



**Certifications:**

Wisconsin 737053130  
Minnesota 055-999-302  
Illinois 100317

Siemens Industry, Inc.

301 West Military Road  
Rothschild, WI 54474

Tel: 800-338-7226  
Fax: 715-355-3221

[www.siemens.com/enviroscan](http://www.siemens.com/enviroscan)

# SIEMENS

## SAMPLE SUMMARY

<u>Lab Id</u>	<u>Client</u>	<u>Sample Id</u>	<u>Date/Time</u>	<u>Matrix</u>
1106201-01	MW-1		06/09/11 00:00	Ground Water
1106201-02	MW-2R		06/09/11 00:00	Ground Water
1106201-03	MW-3		06/09/11 00:00	Ground Water
1106201-04	MW-4		06/09/11 00:00	Ground Water
1106201-05	MW-5		06/09/11 00:00	Ground Water
1106201-06	MW-6		06/09/11 00:00	Ground Water
1106201-07	MW-7		06/09/11 00:00	Ground Water
1106201-08	MW-8		06/09/11 00:00	Ground Water
1106201-09	PZ-1		06/09/11 00:00	Ground Water
1106201-10	Amundson		06/09/11 00:00	Ground Water
1106201-11	Rosen		06/09/11 00:00	Ground Water
1106201-12	Crosby-Nelson		06/09/11 00:00	Ground Water
1106201-13	Park		06/09/11 00:00	Ground Water
1106201-14	T-1		06/09/11 00:00	Ground Water
1106201-15	Trip Blank		06/09/11 00:00	Water

# SIEMENS

Meridian Environmental Consulting, LLC  
 2711 North Elco Road  
 Fall Creek, WI 54742

PROJECT NO. : Corner Stone  
 REPORT NO. : 1106201  
 DATE REC'D: 06/10/11 17:11  
 REPORT DATE : 06/17/11 12:13  
 PREPARED BY : BMS

Attn: Ken Shimko  
 Sample ID: MW-1

Matrix: Ground Water

Sample Date/Time: 06/09/11 0:00

Lab No. : 1106201-01

	<u>Results</u>	<u>Units</u>	<u>LOD</u>	<u>LOQ</u>	<u>Dilution Factor</u>	<u>Qualifiers</u>	<u>Date Analyzed</u>	<u>Analyst</u>
<b>EPA 8021B</b>								
1,2,4-Trimethylbenzene	0.801	ug/L	0.400	2.00	1	J	06/15/11	ALZ
1,3,5-Trimethylbenzene	ND	ug/L	0.440	2.00	1		06/15/11	ALZ
Benzene	ND	ug/L	0.310	2.00	1		06/15/11	ALZ
Ethylbenzene	ND	ug/L	0.500	2.00	1		06/15/11	ALZ
m&p-Xylene	1.03	ug/L	0.620	2.10	1	J	06/15/11	ALZ
Methyl Tert Butyl Ether	ND	ug/L	0.300	2.00	1		06/15/11	ALZ
Naphthalene	ND	ug/L	2.00	2.66	1		06/15/11	ALZ
o-Xylene	ND	ug/L	0.770	2.00	1		06/15/11	ALZ
Toluene	ND	ug/L	0.370	2.00	1		06/15/11	ALZ

Sample ID: MW-2R

Matrix: Ground Water

Sample Date/Time: 06/09/11 0:00

Lab No. : 1106201-02

	<u>Results</u>	<u>Units</u>	<u>LOD</u>	<u>LOQ</u>	<u>Dilution Factor</u>	<u>Qualifiers</u>	<u>Date Analyzed</u>	<u>Analyst</u>
<b>EPA 8021B</b>								
1,2,4-Trimethylbenzene	903	ug/L	20.0	100	50		06/16/11	ALZ
1,3,5-Trimethylbenzene	290	ug/L	22.0	100	50		06/16/11	ALZ
Benzene	1530	ug/L	15.5	100	50		06/16/11	ALZ
Ethylbenzene	765	ug/L	25.0	100	50		06/16/11	ALZ
m&p-Xylene	3330	ug/L	31.0	105	50		06/16/11	ALZ
Methyl Tert Butyl Ether	ND	ug/L	15.0	100	50		06/16/11	ALZ
Naphthalene	199	ug/L	100	133	50		06/16/11	ALZ
o-Xylene	1540	ug/L	38.5	100	50		06/16/11	ALZ
Toluene	5260	ug/L	18.5	100	50		06/16/11	ALZ

# SIEMENS

Meridian Environmental Consulting, LLC  
2711 North Elco Road  
Fall Creek, WI 54742

PROJECT NO.: Corner Stone  
REPORT NO. : 1106201  
DATE REC'D: 06/10/11 17:11  
REPORT DATE : 06/17/11 12:13  
PREPARED BY : BMS

Attn: Ken Shimko

Sample ID: MW-3

Matrix: Ground Water

Sample Date/Time: 06/09/11 0:00

Lab No. : 1106201-03

	<u>Results</u>	<u>Units</u>	<u>LOD</u>	<u>LOQ</u>	<u>Dilution Factor</u>	<u>Qualifiers</u>	<u>Date Analyzed</u>	<u>Analyst</u>
<u>EPA 8021B</u>								
1,2,4-Trimethylbenzene	240	ug/L	20.0	100	50		06/16/11	ALZ
1,3,5-Trimethylbenzene	71.7	ug/L	22.0	100	50	J	06/16/11	ALZ
Benzene	3270	ug/L	15.5	100	50		06/16/11	ALZ
Ethylbenzene	445	ug/L	25.0	100	50		06/16/11	ALZ
m&p-Xylene	520	ug/L	31.0	105	50		06/16/11	ALZ
Methyl Tert Butyl Ether	ND	ug/L	15.0	100	50		06/16/11	ALZ
Naphthalene	127	ug/L	100	133	50	J	06/16/11	ALZ
o-Xylene	293	ug/L	38.5	100	50		06/16/11	ALZ
Toluene	255	ug/L	18.5	100	50		06/16/11	ALZ

Sample ID: MW-4

Matrix: Ground Water

Sample Date/Time: 06/09/11 0:00

Lab No. : 1106201-04

	<u>Results</u>	<u>Units</u>	<u>LOD</u>	<u>LOQ</u>	<u>Dilution Factor</u>	<u>Qualifiers</u>	<u>Date Analyzed</u>	<u>Analyst</u>
<u>EPA 8021B</u>								
1,2,4-Trimethylbenzene	ND	ug/L	0.400	2.00	1		06/16/11	ALZ
1,3,5-Trimethylbenzene	ND	ug/L	0.440	2.00	1		06/16/11	ALZ
Benzene	ND	ug/L	0.310	2.00	1		06/16/11	ALZ
Ethylbenzene	ND	ug/L	0.500	2.00	1		06/16/11	ALZ
m&p-Xylene	ND	ug/L	0.620	2.10	1		06/16/11	ALZ
Methyl Tert Butyl Ether	ND	ug/L	0.300	2.00	1		06/16/11	ALZ
Naphthalene	ND	ug/L	2.00	2.66	1		06/16/11	ALZ
o-Xylene	ND	ug/L	0.770	2.00	1		06/16/11	ALZ
Toluene	ND	ug/L	0.370	2.00	1		06/16/11	ALZ

# SIEMENS

Meridian Environmental Consulting, LLC  
 2711 North Elco Road  
 Fall Creek, WI 54742

PROJECT NO. : Corner Stone  
 REPORT NO. : 1106201  
 DATE REC'D: 06/10/11 17:11  
 REPORT DATE : 06/17/11 12:13  
 PREPARED BY : BMS

Attn: Ken Shimko

Sample ID: MW-5

Matrix: Ground Water

Sample Date/Time: 06/09/11 0:00

Lab No. : 1106201-05

	<u>Results</u>	<u>Units</u>	<u>LOD</u>	<u>LOQ</u>	<u>Dilution Factor</u>	<u>Qualifiers</u>	<u>Date Analyzed</u>	<u>Analyst</u>
<b>EPA 8021B</b>								
1,2,4-Trimethylbenzene	ND	ug/L	0.400	2.00	1		06/16/11	ALZ
1,3,5-Trimethylbenzene	ND	ug/L	0.440	2.00	1		06/16/11	ALZ
Benzene	ND	ug/L	0.310	2.00	1		06/16/11	ALZ
Ethylbenzene	ND	ug/L	0.500	2.00	1		06/16/11	ALZ
m&p-Xylene	ND	ug/L	0.620	2.10	1		06/16/11	ALZ
Methyl Tert Butyl Ether	ND	ug/L	0.300	2.00	1		06/16/11	ALZ
Naphthalene	ND	ug/L	2.00	2.66	1		06/16/11	ALZ
o-Xylene	ND	ug/L	0.770	2.00	1		06/16/11	ALZ
Toluene	ND	ug/L	0.370	2.00	1		06/16/11	ALZ

Sample ID: MW-6

Matrix: Ground Water

Sample Date/Time: 06/09/11 0:00

Lab No. : 1106201-06

	<u>Results</u>	<u>Units</u>	<u>LOD</u>	<u>LOQ</u>	<u>Dilution Factor</u>	<u>Qualifiers</u>	<u>Date Analyzed</u>	<u>Analyst</u>
<b>EPA 8021B</b>								
1,2,4-Trimethylbenzene	ND	ug/L	0.400	2.00	1		06/16/11	ALZ
1,3,5-Trimethylbenzene	ND	ug/L	0.440	2.00	1		06/16/11	ALZ
Benzene	23.7	ug/L	0.310	2.00	1		06/16/11	ALZ
Ethylbenzene	ND	ug/L	0.500	2.00	1		06/16/11	ALZ
m&p-Xylene	ND	ug/L	0.620	2.10	1		06/16/11	ALZ
Methyl Tert Butyl Ether	ND	ug/L	0.300	2.00	1		06/16/11	ALZ
Naphthalene	ND	ug/L	2.00	2.66	1		06/16/11	ALZ
o-Xylene	ND	ug/L	0.770	2.00	1		06/16/11	ALZ
Toluene	ND	ug/L	0.370	2.00	1		06/16/11	ALZ

# SIEMENS

Meridian Environmental Consulting, LLC  
2711 North Elco Road  
Fall Creek, WI 54742

PROJECT NO. : Corner Stone  
REPORT NO. : 1106201  
DATE REC'D: 06/10/11 17:11  
REPORT DATE : 06/17/11 12:13  
PREPARED BY : BMS

Attn: Ken Shimko

Sample ID: MW-7

Matrix: Ground Water

Sample Date/Time: 06/09/11 0:00

Lab No. : 1106201-07

	<u>Results</u>	<u>Units</u>	<u>LOD</u>	<u>LOQ</u>	<u>Dilution Factor</u>	<u>Qualifiers</u>	<u>Date Analyzed</u>	<u>Analyst</u>
<b>EPA 8021B</b>								
1,2,4-Trimethylbenzene	ND	ug/L	0.400	2.00	1		06/15/11	ALZ
1,3,5-Trimethylbenzene	ND	ug/L	0.440	2.00	1		06/15/11	ALZ
Benzene	ND	ug/L	0.310	2.00	1		06/15/11	ALZ
Ethylbenzene	ND	ug/L	0.500	2.00	1		06/15/11	ALZ
m&p-Xylene	ND	ug/L	0.620	2.10	1		06/15/11	ALZ
Methyl Tert Butyl Ether	ND	ug/L	0.300	2.00	1		06/15/11	ALZ
Naphthalene	ND	ug/L	2.00	2.66	1		06/15/11	ALZ
o-Xylene	ND	ug/L	0.770	2.00	1		06/15/11	ALZ
Toluene	ND	ug/L	0.370	2.00	1		06/15/11	ALZ

Sample ID: MW-8

Matrix: Ground Water

Sample Date/Time: 06/09/11 0:00

Lab No. : 1106201-08

	<u>Results</u>	<u>Units</u>	<u>LOD</u>	<u>LOQ</u>	<u>Dilution Factor</u>	<u>Qualifiers</u>	<u>Date Analyzed</u>	<u>Analyst</u>
<b>EPA 8021B</b>								
1,2,4-Trimethylbenzene	ND	ug/L	0.400	2.00	1		06/15/11	ALZ
1,3,5-Trimethylbenzene	ND	ug/L	0.440	2.00	1		06/15/11	ALZ
Benzene	ND	ug/L	0.310	2.00	1		06/15/11	ALZ
Ethylbenzene	ND	ug/L	0.500	2.00	1		06/15/11	ALZ
m&p-Xylene	ND	ug/L	0.620	2.10	1		06/15/11	ALZ
Methyl Tert Butyl Ether	ND	ug/L	0.300	2.00	1		06/15/11	ALZ
Naphthalene	ND	ug/L	2.00	2.66	1		06/15/11	ALZ
o-Xylene	ND	ug/L	0.770	2.00	1		06/15/11	ALZ
Toluene	ND	ug/L	0.370	2.00	1		06/15/11	ALZ

# SIEMENS

Meridian Environmental Consulting, LLC  
2711 North Elco Road  
Fall Creek, WI 54742

PROJECT NO. : Corner Stone  
REPORT NO. : 1106201  
DATE REC'D: 06/10/11 17:11  
REPORT DATE : 06/17/11 12:13  
PREPARED BY : BMS

Attn: Ken Shimko

Sample ID: PZ-1

Matrix: Ground Water

Sample Date/Time: 06/09/11 0:00

Lab No. : 1106201-09

	<u>Results</u>	<u>Units</u>	<u>LOD</u>	<u>LOQ</u>	<u>Dilution Factor</u>	<u>Qualifiers</u>	<u>Date Analyzed</u>	<u>Analyst</u>
<b><u>EPA 8021B</u></b>								
1,2,4-Trimethylbenzene	ND	ug/L	0.400	2.00	1		06/15/11	ALZ
1,3,5-Trimethylbenzene	ND	ug/L	0.440	2.00	1		06/15/11	ALZ
Benzene	ND	ug/L	0.310	2.00	1		06/15/11	ALZ
Ethylbenzene	ND	ug/L	0.500	2.00	1		06/15/11	ALZ
m&p-Xylene	ND	ug/L	0.620	2.10	1		06/15/11	ALZ
Methyl Tert Butyl Ether	ND	ug/L	0.300	2.00	1		06/15/11	ALZ
Naphthalene	ND	ug/L	2.00	2.66	1		06/15/11	ALZ
o-Xylene	ND	ug/L	0.770	2.00	1		06/15/11	ALZ
Toluene	ND	ug/L	0.370	2.00	1		06/15/11	ALZ

Sample ID: Amundson

Matrix: Ground Water

Sample Date/Time: 06/09/11 0:00

Lab No. : 1106201-10

	<u>Results</u>	<u>Units</u>	<u>LOD</u>	<u>LOQ</u>	<u>Dilution Factor</u>	<u>Qualifiers</u>	<u>Date Analyzed</u>	<u>Analyst</u>
<b><u>EPA 8021B</u></b>								
1,2,4-Trimethylbenzene	ND	ug/L	0.400	2.00	1		06/15/11	ALZ
1,3,5-Trimethylbenzene	ND	ug/L	0.440	2.00	1		06/15/11	ALZ
Benzene	ND	ug/L	0.310	2.00	1		06/15/11	ALZ
Ethylbenzene	ND	ug/L	0.500	2.00	1		06/15/11	ALZ
m&p-Xylene	ND	ug/L	0.620	2.10	1		06/15/11	ALZ
Methyl Tert Butyl Ether	ND	ug/L	0.300	2.00	1		06/15/11	ALZ
Naphthalene	ND	ug/L	2.00	2.66	1		06/15/11	ALZ
o-Xylene	ND	ug/L	0.770	2.00	1		06/15/11	ALZ
Toluene	ND	ug/L	0.370	2.00	1		06/15/11	ALZ



# SIEMENS

Meridian Environmental Consulting, LLC  
2711 North Elco Road  
Fall Creek, WI 54742

PROJECT NO. : Corner Stone  
REPORT NO. : 1106201  
DATE REC'D: 06/10/11 17:11  
REPORT DATE : 06/17/11 12:13  
PREPARED BY : BMS

Attn: Ken Shimko

Sample ID: Rosen

Matrix: Ground Water

Sample Date/Time: 06/09/11 0:00

Lab No. : 1106201-11

	<u>Results</u>	<u>Units</u>	<u>LOD</u>	<u>LOQ</u>	<u>Dilution Factor</u>	<u>Qualifiers</u>	<u>Date Analyzed</u>	<u>Analyst</u>
<b>EPA 8021B</b>								
1,2,4-Trimethylbenzene	ND	ug/L	0.400	2.00	1		06/16/11	ALZ
1,3,5-Trimethylbenzene	ND	ug/L	0.440	2.00	1		06/16/11	ALZ
Benzene	ND	ug/L	0.310	2.00	1		06/16/11	ALZ
Ethylbenzene	ND	ug/L	0.500	2.00	1		06/16/11	ALZ
m&p-Xylene	ND	ug/L	0.620	2.10	1		06/16/11	ALZ
Methyl Tert Butyl Ether	ND	ug/L	0.300	2.00	1		06/16/11	ALZ
Naphthalene	ND	ug/L	2.00	2.66	1		06/16/11	ALZ
o-Xylene	ND	ug/L	0.770	2.00	1		06/16/11	ALZ
Toluene	ND	ug/L	0.370	2.00	1		06/16/11	ALZ

Sample ID: Crosby-Nelson

Matrix: Ground Water

Sample Date/Time: 06/09/11 0:00

Lab No. : 1106201-12

	<u>Results</u>	<u>Units</u>	<u>LOD</u>	<u>LOQ</u>	<u>Dilution Factor</u>	<u>Qualifiers</u>	<u>Date Analyzed</u>	<u>Analyst</u>
<b>EPA 8021B</b>								
1,2,4-Trimethylbenzene	ND	ug/L	0.400	2.00	1		06/16/11	ALZ
1,3,5-Trimethylbenzene	ND	ug/L	0.440	2.00	1		06/16/11	ALZ
Benzene	ND	ug/L	0.310	2.00	1		06/16/11	ALZ
Ethylbenzene	ND	ug/L	0.500	2.00	1		06/16/11	ALZ
m&p-Xylene	ND	ug/L	0.620	2.10	1		06/16/11	ALZ
Methyl Tert Butyl Ether	ND	ug/L	0.300	2.00	1		06/16/11	ALZ
Naphthalene	ND	ug/L	2.00	2.66	1		06/16/11	ALZ
o-Xylene	ND	ug/L	0.770	2.00	1		06/16/11	ALZ
Toluene	ND	ug/L	0.370	2.00	1		06/16/11	ALZ

# SIEMENS

Meridian Environmental Consulting, LLC  
2711 North Elco Road  
Fall Creek, WI 54742

PROJECT NO. : Corner Stone  
REPORT NO. : 1106201  
DATE REC'D: 06/10/11 17:11  
REPORT DATE : 06/17/11 12:13  
PREPARED BY : BMS

Attn: Ken Shimko

Sample ID: Park

Matrix: Ground Water

Sample Date/Time: 06/09/11 0:00

Lab No. : 1106201-13

	<u>Results</u>	<u>Units</u>	<u>LOD</u>	<u>LOQ</u>	<u>Dilution Factor</u>	<u>Qualifiers</u>	<u>Date Analyzed</u>	<u>Analyst</u>
<u>EPA 8021B</u>								
1,2,4-Trimethylbenzene	ND	ug/L	0.400	2.00	1		06/16/11	ALZ
1,3,5-Trimethylbenzene	ND	ug/L	0.440	2.00	1		06/16/11	ALZ
Benzene	ND	ug/L	0.310	2.00	1		06/16/11	ALZ
Ethylbenzene	ND	ug/L	0.500	2.00	1		06/16/11	ALZ
m&p-Xylene	ND	ug/L	0.620	2.10	1		06/16/11	ALZ
Methyl Tert Butyl Ether	ND	ug/L	0.300	2.00	1		06/16/11	ALZ
Naphthalene	ND	ug/L	2.00	2.66	1		06/16/11	ALZ
o-Xylene	ND	ug/L	0.770	2.00	1		06/16/11	ALZ
Toluene	ND	ug/L	0.370	2.00	1		06/16/11	ALZ

Sample ID: T-1

Matrix: Ground Water

Sample Date/Time: 06/09/11 0:00

Lab No. : 1106201-14

	<u>Results</u>	<u>Units</u>	<u>LOD</u>	<u>LOQ</u>	<u>Dilution Factor</u>	<u>Qualifiers</u>	<u>Date Analyzed</u>	<u>Analyst</u>
<u>EPA 8021B</u>								
1,2,4-Trimethylbenzene	2.74	ug/L	2.00	10.0	5	J	06/16/11	ALZ
1,3,5-Trimethylbenzene	ND	ug/L	2.20	10.0	5		06/16/11	ALZ
Benzene	421	ug/L	1.55	10.0	5		06/16/11	ALZ
Ethylbenzene	30.1	ug/L	2.50	10.0	5		06/16/11	ALZ
m&p-Xylene	ND	ug/L	3.10	10.5	5		06/16/11	ALZ
Methyl Tert Butyl Ether	ND	ug/L	1.50	10.0	5		06/16/11	ALZ
Naphthalene	ND	ug/L	10.0	13.3	5		06/16/11	ALZ
o-Xylene	9.42	ug/L	3.85	10.0	5	J	06/16/11	ALZ
Toluene	5.95	ug/L	1.85	10.0	5	J	06/16/11	ALZ

# SIEMENS

Meridian Environmental Consulting, LLC  
2711 North Elco Road  
Fall Creek, WI 54742

PROJECT NO. : Corner Stone  
REPORT NO. : 1106201  
DATE REC'D: 06/10/11 17:11  
REPORT DATE : 06/17/11 12:13  
PREPARED BY : BMS

Attn: Ken Shimko

Sample ID: Trip Blank

Matrix: Water

Sample Date/Time: 06/09/11 0:00

Lab No. : 1106201-15

	<u>Results</u>	<u>Units</u>	<u>LOD</u>	<u>LOQ</u>	<u>Dilution Factor</u>	<u>Qualifiers</u>	<u>Date Analyzed</u>	<u>Analyst</u>
<u>EPA 8021B</u>								
1,2,4-Trimethylbenzene	ND	ug/L	0.400	2.00	1		06/15/11	ALZ
1,3,5-Trimethylbenzene	ND	ug/L	0.440	2.00	1		06/15/11	ALZ
Benzene	ND	ug/L	0.310	2.00	1		06/15/11	ALZ
Ethylbenzene	ND	ug/L	0.500	2.00	1		06/15/11	ALZ
m&p-Xylene	ND	ug/L	0.620	2.10	1		06/15/11	ALZ
Methyl Tert Butyl Ether	ND	ug/L	0.300	2.00	1		06/15/11	ALZ
Naphthalene	ND	ug/L	2.00	2.66	1		06/15/11	ALZ
o-Xylene	ND	ug/L	0.770	2.00	1		06/15/11	ALZ
Toluene	ND	ug/L	0.370	2.00	1		06/15/11	ALZ

# SIEMENS

## Qualifier Descriptions

J Estimated concentration below laboratory quantitation level.

## Definitions

LOD = Limit of Detection (Dilution Corrected)  
LOQ = Limit of Quantitation (Dilution Corrected)  
Reporting Limit = LOQ (Dilution Corrected)  
ND = Not Detected  
COMP = Complete  
SUBCON = Subcontracted analysis  
mv = millivolts  
pci/L = picocuries per Liter  
mL/L = milliliters per Liter  
mg = milligram

When the word "dry" follows the units on the result page the sample results are dry weight corrected.

LODs and LOQs are dry weight corrected for all soils except WI GRO and EPA 8021 methanol and WI DNR methylene chloride preserved soils.

(WNC) = The required Wisconsin DNR program certification is not held for this analyte.

ug/l = Micrograms per Liter = parts per billion (ppb)  
ug/kg = Micrograms per kilogram = parts per billion (ppb)  
mg/l = Milligrams per liter = parts per million (ppm)  
mg/kg = Milligrams per kilogram = parts per million (ppm)  
NOT PRES = Not Present  
ppth = Parts per thousand  
\* = Result outside established limits.  
mg/m<sup>3</sup> = Milligrams per meter cubed  
ng/L = Nanograms per Liter = Parts per trillion (ppt)  
> = Greater Than

Methanol Soils for WI GRO and EPA 8021 are reported to the LOQ.

pg. 1 of 2

Company Name <i>Meredian Env. Ctr.</i>		Project <i>Corner Store</i>	
Report Mailing Address <i>2711 N. Elwood Fall Creek, WI</i>		Contact Name, Phone, Fax, Email <i>Ken Shanks 715-832-6608</i>	
Invoice Address <i>54742</i>		Purchase Order #	Invoice Contact and Phone No.

Matrix: Drinking Water Groundwater Wastewater Soil/Solid Other: \_\_\_\_\_

Wis. PECFA Project subject to U&C?  Yes  No

For Compliance Monitoring? Yes  No  State: \_\_\_\_\_  
(If Yes, please specify Agency or Regulation) Agency/Reg.: \_\_\_\_\_

Turnaround Request:  Normal (10 Bus. Days)  
 Rush (Must be pre-approved by Lab and is subject to surcharges)  
Date Needed: \_\_\_\_\_

WO No. *1106201*

Analyses Requested										Lab Use Only		
PUDCTN44										Delivered by:	Walk-in	<u>Courier</u>
										Shp. Cont. OK?	<input checked="" type="radio"/> Y	<input type="radio"/> N
										Samples Leaking?	<input type="radio"/> Y	<input checked="" type="radio"/> N
										Seals OK?	<input checked="" type="radio"/> Y	<input type="radio"/> N
										Rec'd on Ice?	<input checked="" type="radio"/> Y	<input type="radio"/> N
	Sample Receiving Comments:											
	3.0											
	Comments											
	3vals HCl											

Lab Use Only	Sample		No. of Containers		Sample ID
	Date	Time	Comp	Grab	
-1	6/9/11	AM			MW-1
-2					MW-2R
-3					MW-3
-4					MW-4
-5					MW-5
-6					MW-6
-7					MW-7
-8					MW-8
-9					PZ-1
-10					Amundson

Chain of Custody Record

Relinquished By:	Date	Time	Received By:
	6/10/11	1711	<i>Ken Audeen</i>

Company Name <i>Meridian Env. Ctry.</i>		Project <i>Corner Store</i>	
Report Mailing Address		Contact Name, Phone, Fax, Email <i>Ken Shimko 715-832-6608</i>	
Invoice Address		Purchase Order #	Invoice Contact and Phone No.

Matrix: Drinking Water Groundwater Wastewater Soil/Solid Other: \_\_\_\_\_

Wis. PECFA Project subject to U&C?  Yes  No

For Compliance Monitoring? Yes  No  State: \_\_\_\_\_  
(If Yes, please specify Agency or Regulation) Agency/Reg.: \_\_\_\_\_

Turnaround Request:  Normal (10 Bus. Days)  
 Rush (Must be pre-approved by Lab and is subject to surcharges)  
Date Needed: \_\_\_\_\_

WO No: 1106201

Analyses Requested										Lab Use Only		
<i>PVOCT + 1000s</i>										Delivered by:	Walk-In	Courier
										Ship. Cont. OK?	<input checked="" type="radio"/> Y	<input type="radio"/> N
										Samples Leaking?	<input checked="" type="radio"/> Y	<input type="radio"/> N
										Seals OK?	<input checked="" type="radio"/> Y	<input type="radio"/> N
										Rec'd on Ice?	<input checked="" type="radio"/> Y	<input type="radio"/> N
										Sample Receiving Comments:		
										<i>30</i>		
										Comments		
										<i>3 vials HCL</i>		
										<i>↓</i>		
										<i>2 vials HCL 4-19-11</i>		
										<i>+ B103</i>		

Lab Use Only	Sample		No. of Containers		Sample ID
	Date	Time	Comp	Grab	
<i>-11</i>	<i>6-9-11</i>	<i>AM</i>			<i>Rosen</i>
<i>-12</i>		<i>↓</i>			<i>Crosby-Nelson</i>
<i>-13</i>		<i>↓</i>			<i>Park</i>
<i>-14</i>					<i>T-1</i>
<i>-15</i>					<i>Trip Blank</i>

Chain of Custody Record

Relinquished By:	Date	Time	Received By:
<i>[Signature]</i>	<i>6/9/11</i>	<i>3pm</i>	
	<i>6/10-11</i>	<i>174</i>	<i>[Signature]</i>

# SIEMENS

October 10, 2011

Meridian Environmental Consulting, LLC  
2711 North Elco Road  
Fall Creek, WI 54742

Attn: Ken Shimko

**REPORT NO.: 1109437**

**PROJECT NO.: Ridgeland**

Please find enclosed the analytical report, including the Sample Summary, Sample Narrative and Chain of Custody for your sample set received September 29, 2011.

All analyses were performed in accordance with TNI Standards using approved methods as indicated on this report.

If you have any questions about the results, please call. Thank you for using Siemens Industry, Inc. for your analytical needs.

Sincerely,

Siemens Industry, Inc.



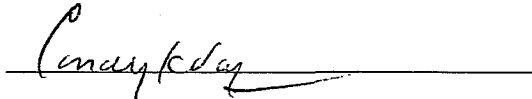
Bruce Schertz

Lab Manager

Enviroscan Analytical™ Services

*I certify that the data contained in this report has been generated and reviewed in accordance with the Siemens Industry, Inc. Quality Assurance Program. Exceptions, if any, are discussed in the sample narrative. Samples will be retained for 30 days from the date of this report, then disposed in an appropriate manner. Siemens Industry, Inc. reserves the right to return samples identified as hazardous. Release of this Final Report is authorized as verified by the following signature. The contents of this report apply to the sample(s) analyzed. No duplication of this report is allowed except in its entirety.*

Reviewed by:



**Certifications:**

Wisconsin 737053130  
Minnesota 055-999-302  
Illinois 100317

Siemens Industry, Inc.

301 West Military Road  
Rothschild, WI 54474

Tel: 800-338-7226  
Fax: 715-355-3221

[www.siemens.com/enviroscan](http://www.siemens.com/enviroscan)

# SIEMENS

## SAMPLE SUMMARY

<u>Lab Id</u>	<u>Client</u>	<u>Sample Id</u>	<u>Date/Time</u>	<u>Matrix</u>
1109437-01	MW-1		09/28/11 00:00	Ground Water
1109437-02	MW-2R		09/28/11 00:00	Ground Water
1109437-03	MW-3		09/28/11 00:00	Ground Water
1109437-04	MW-4		09/28/11 00:00	Ground Water
1109437-05	MW-5		09/28/11 00:00	Ground Water
1109437-06	MW-6		09/28/11 00:00	Ground Water
1109437-07	MW-7		09/28/11 00:00	Ground Water
1109437-08	MW-8		09/28/11 00:00	Ground Water
1109437-09	PZ-1		09/28/11 00:00	Ground Water
1109437-10	Amundson		09/28/11 00:00	Ground Water
1109437-11	Rosen		09/28/11 00:00	Ground Water
1109437-12	Crosby		09/28/11 00:00	Ground Water
1109437-13	Trip Blank		09/28/11 00:00	Water
1109437-14	T-1		09/28/11 00:00	Ground Water



# SIEMENS

Meridian Environmental Consulting, LLC  
 2711 North Elco Road  
 Fall Creek, WI 54742

PROJECT NO. : Ridgeland  
 REPORT NO. : 1109437  
 DATE REC'D: 09/29/11 10:17  
 REPORT DATE : 10/10/11 12:27  
 PREPARED BY : BMS

Attn: Ken Shimko

Sample ID: MW-1

Matrix: Ground Water

Sample Date/Time: 09/28/11 0:00

Lab No. : 1109437-01

	<u>Results</u>	<u>Units</u>	<u>LOD</u>	<u>LOQ</u>	<u>Dilution Factor</u>	<u>Qualifiers</u>	<u>Date Analyzed</u>	<u>Analyst</u>
<b><u>EPA 8021B</u></b>								
1,2,4-Trimethylbenzene	ND	ug/L	0.400	2.00	1		10/05/11	ALZ
1,3,5-Trimethylbenzene	ND	ug/L	0.440	2.00	1		10/05/11	ALZ
Benzene	ND	ug/L	0.310	2.00	1		10/05/11	ALZ
Ethylbenzene	ND	ug/L	0.500	2.00	1		10/05/11	ALZ
m&p-Xylene	ND	ug/L	0.620	2.10	1		10/05/11	ALZ
Methyl Tert Butyl Ether	ND	ug/L	0.300	2.00	1		10/05/11	ALZ
Naphthalene	ND	ug/L	2.00	2.66	1		10/05/11	ALZ
o-Xylene	ND	ug/L	0.770	2.00	1		10/05/11	ALZ
Toluene	ND	ug/L	0.370	2.00	1		10/05/11	ALZ

Sample ID: MW-2R

Matrix: Ground Water

Sample Date/Time: 09/28/11 0:00

Lab No. : 1109437-02

	<u>Results</u>	<u>Units</u>	<u>LOD</u>	<u>LOQ</u>	<u>Dilution Factor</u>	<u>Qualifiers</u>	<u>Date Analyzed</u>	<u>Analyst</u>
<b><u>EPA 8021B</u></b>								
1,2,4-Trimethylbenzene	1110	ug/L	4.00	20.0	10		10/05/11	ALZ
1,3,5-Trimethylbenzene	466	ug/L	4.40	20.0	10		10/05/11	ALZ
Benzene	1260	ug/L	3.10	20.0	10		10/05/11	ALZ
Ethylbenzene	1070	ug/L	5.00	20.0	10		10/05/11	ALZ
m&p-Xylene	1970	ug/L	6.20	21.0	10		10/05/11	ALZ
Methyl Tert Butyl Ether	53.2	ug/L	3.00	20.0	10		10/05/11	ALZ
Naphthalene	343	ug/L	20.0	26.6	10		10/05/11	ALZ
o-Xylene	12.9	ug/L	7.70	20.0	10	J	10/05/11	ALZ
Toluene	70.5	ug/L	3.70	20.0	10		10/05/11	ALZ

# SIEMENS

Meridian Environmental Consulting, LLC  
2711 North Elco Road  
Fall Creek, WI 54742

PROJECT NO. : Ridgeland  
REPORT NO. : 1109437  
DATE REC'D: 09/29/11 10:17  
REPORT DATE : 10/10/11 12:27  
PREPARED BY : BMS

Attn: Ken Shimko

Sample ID: MW-3

Matrix: Ground Water

Sample Date/Time: 09/28/11 0:00

Lab No. : 1109437-03

	<u>Results</u>	<u>Units</u>	<u>LOD</u>	<u>LOQ</u>	<u>Dilution Factor</u>	<u>Qualifiers</u>	<u>Date Analyzed</u>	<u>Analyst</u>
<b><u>EPA 8021B</u></b>								
1,2,4-Trimethylbenzene	373	ug/L	4.00	20.0	10		10/05/11	ALZ
1,3,5-Trimethylbenzene	79.6	ug/L	4.40	20.0	10		10/05/11	ALZ
Benzene	1860	ug/L	6.20	40.0	20		10/07/11	ALZ
Ethylbenzene	404	ug/L	5.00	20.0	10		10/05/11	ALZ
m&p-Xylene	525	ug/L	6.20	21.0	10		10/05/11	ALZ
Methyl Tert Butyl Ether	ND	ug/L	3.00	20.0	10		10/05/11	ALZ
Naphthalene	104	ug/L	20.0	26.6	10		10/05/11	ALZ
o-Xylene	248	ug/L	7.70	20.0	10		10/05/11	ALZ
Toluene	39.2	ug/L	3.70	20.0	10		10/05/11	ALZ

Sample ID: MW-4

Matrix: Ground Water

Sample Date/Time: 09/28/11 0:00

Lab No. : 1109437-04

	<u>Results</u>	<u>Units</u>	<u>LOD</u>	<u>LOQ</u>	<u>Dilution Factor</u>	<u>Qualifiers</u>	<u>Date Analyzed</u>	<u>Analyst</u>
<b><u>EPA 8021B</u></b>								
1,2,4-Trimethylbenzene	ND	ug/L	0.400	2.00	1		10/05/11	ALZ
1,3,5-Trimethylbenzene	ND	ug/L	0.440	2.00	1		10/05/11	ALZ
Benzene	ND	ug/L	0.310	2.00	1		10/05/11	ALZ
Ethylbenzene	ND	ug/L	0.500	2.00	1		10/05/11	ALZ
m&p-Xylene	ND	ug/L	0.620	2.10	1		10/05/11	ALZ
Methyl Tert Butyl Ether	ND	ug/L	0.300	2.00	1		10/05/11	ALZ
Naphthalene	ND	ug/L	2.00	2.66	1		10/05/11	ALZ
o-Xylene	ND	ug/L	0.770	2.00	1		10/05/11	ALZ
Toluene	ND	ug/L	0.370	2.00	1		10/05/11	ALZ

# SIEMENS

Meridian Environmental Consulting, LLC  
2711 North Elco Road  
Fall Creek, WI 54742

PROJECT NO. : Ridgeland  
REPORT NO. : 1109437  
DATE REC'D: 09/29/11 10:17  
REPORT DATE : 10/10/11 12:27  
PREPARED BY : BMS

Attn: Ken Shimko

Sample ID: MW-5

Matrix: Ground Water

Sample Date/Time: 09/28/11 0:00

Lab No. : 1109437-05

	<u>Results</u>	<u>Units</u>	<u>LOD</u>	<u>LOQ</u>	<u>Dilution Factor</u>	<u>Qualifiers</u>	<u>Date Analyzed</u>	<u>Analyst</u>
<b>EPA 8021B</b>								
1,2,4-Trimethylbenzene	ND	ug/L	0.400	2.00	1		10/05/11	ALZ
1,3,5-Trimethylbenzene	ND	ug/L	0.440	2.00	1		10/05/11	ALZ
Benzene	ND	ug/L	0.310	2.00	1		10/05/11	ALZ
Ethylbenzene	ND	ug/L	0.500	2.00	1		10/05/11	ALZ
m&p-Xylene	ND	ug/L	0.620	2.10	1		10/05/11	ALZ
Methyl Tert Butyl Ether	ND	ug/L	0.300	2.00	1		10/05/11	ALZ
Naphthalene	ND	ug/L	2.00	2.66	1		10/05/11	ALZ
o-Xylene	ND	ug/L	0.770	2.00	1		10/05/11	ALZ
Toluene	ND	ug/L	0.370	2.00	1		10/05/11	ALZ

Sample ID: MW-6

Matrix: Ground Water

Sample Date/Time: 09/28/11 0:00

Lab No. : 1109437-06

	<u>Results</u>	<u>Units</u>	<u>LOD</u>	<u>LOQ</u>	<u>Dilution Factor</u>	<u>Qualifiers</u>	<u>Date Analyzed</u>	<u>Analyst</u>
<b>EPA 8021B</b>								
1,2,4-Trimethylbenzene	ND	ug/L	0.400	2.00	1		10/05/11	ALZ
1,3,5-Trimethylbenzene	ND	ug/L	0.440	2.00	1		10/05/11	ALZ
Benzene	40.8	ug/L	0.310	2.00	1		10/05/11	ALZ
Ethylbenzene	1.90	ug/L	0.500	2.00	1	J	10/05/11	ALZ
m&p-Xylene	ND	ug/L	0.620	2.10	1		10/05/11	ALZ
Methyl Tert Butyl Ether	ND	ug/L	0.300	2.00	1		10/05/11	ALZ
Naphthalene	ND	ug/L	2.00	2.66	1		10/05/11	ALZ
o-Xylene	1.08	ug/L	0.770	2.00	1	J	10/05/11	ALZ
Toluene	0.552	ug/L	0.370	2.00	1	J	10/05/11	ALZ

# SIEMENS

Meridian Environmental Consulting, LLC  
2711 North Elco Road  
Fall Creek, WI 54742

PROJECT NO. : Ridgeland  
REPORT NO. : 1109437  
DATE REC'D: 09/29/11 10:17  
REPORT DATE : 10/10/11 12:27  
PREPARED BY : BMS

Attn: Ken Shimko

Sample ID: MW-7

Matrix: Ground Water

Sample Date/Time: 09/28/11 0:00

Lab No. : 1109437-07

	<u>Results</u>	<u>Units</u>	<u>LOD</u>	<u>LOQ</u>	<u>Dilution Factor</u>	<u>Qualifiers</u>	<u>Date Analyzed</u>	<u>Analyst</u>
<b><u>EPA 8021B</u></b>								
1,2,4-Trimethylbenzene	ND	ug/L	0.400	2.00	1		10/05/11	ALZ
1,3,5-Trimethylbenzene	ND	ug/L	0.440	2.00	1		10/05/11	ALZ
Benzene	ND	ug/L	0.310	2.00	1		10/05/11	ALZ
Ethylbenzene	ND	ug/L	0.500	2.00	1		10/05/11	ALZ
m&p-Xylene	ND	ug/L	0.620	2.10	1		10/05/11	ALZ
Methyl Tert Butyl Ether	ND	ug/L	0.300	2.00	1		10/05/11	ALZ
Naphthalene	ND	ug/L	2.00	2.66	1		10/05/11	ALZ
o-Xylene	ND	ug/L	0.770	2.00	1		10/05/11	ALZ
Toluene	ND	ug/L	0.370	2.00	1		10/05/11	ALZ

Sample ID: MW-8

Matrix: Ground Water

Sample Date/Time: 09/28/11 0:00

Lab No. : 1109437-08

	<u>Results</u>	<u>Units</u>	<u>LOD</u>	<u>LOQ</u>	<u>Dilution Factor</u>	<u>Qualifiers</u>	<u>Date Analyzed</u>	<u>Analyst</u>
<b><u>EPA 8021B</u></b>								
1,2,4-Trimethylbenzene	ND	ug/L	0.400	2.00	1		10/06/11	ALZ
1,3,5-Trimethylbenzene	ND	ug/L	0.440	2.00	1		10/06/11	ALZ
Benzene	ND	ug/L	0.310	2.00	1		10/06/11	ALZ
Ethylbenzene	ND	ug/L	0.500	2.00	1		10/06/11	ALZ
m&p-Xylene	ND	ug/L	0.620	2.10	1		10/06/11	ALZ
Methyl Tert Butyl Ether	ND	ug/L	0.300	2.00	1		10/06/11	ALZ
Naphthalene	ND	ug/L	2.00	2.66	1		10/06/11	ALZ
o-Xylene	ND	ug/L	0.770	2.00	1		10/06/11	ALZ
Toluene	ND	ug/L	0.370	2.00	1		10/06/11	ALZ

# SIEMENS

Meridian Environmental Consulting, LLC  
2711 North Elco Road  
Fall Creek, WI 54742

PROJECT NO. : Ridgeland  
REPORT NO. : 1109437  
DATE REC'D: 09/29/11 10:17  
REPORT DATE : 10/10/11 12:27  
PREPARED BY : BMS

Attn: Ken Shimko

Sample ID: PZ-1

Matrix: Ground Water

Sample Date/Time: 09/28/11 0:00

Lab No. : 1109437-09

	<u>Results</u>	<u>Units</u>	<u>LOD</u>	<u>LOQ</u>	<u>Dilution Factor</u>	<u>Qualifiers</u>	<u>Date Analyzed</u>	<u>Analyst</u>
<b><u>EPA 8021B</u></b>								
1,2,4-Trimethylbenzene	ND	ug/L	0.400	2.00	1		10/06/11	ALZ
1,3,5-Trimethylbenzene	ND	ug/L	0.440	2.00	1		10/06/11	ALZ
Benzene	ND	ug/L	0.310	2.00	1		10/06/11	ALZ
Ethylbenzene	ND	ug/L	0.500	2.00	1		10/06/11	ALZ
m&p-Xylene	ND	ug/L	0.620	2.10	1		10/06/11	ALZ
Methyl Tert Butyl Ether	ND	ug/L	0.300	2.00	1		10/06/11	ALZ
Naphthalene	ND	ug/L	2.00	2.66	1		10/06/11	ALZ
o-Xylene	ND	ug/L	0.770	2.00	1		10/06/11	ALZ
Toluene	ND	ug/L	0.370	2.00	1		10/06/11	ALZ

Sample ID: Amundson

Matrix: Ground Water

Sample Date/Time: 09/28/11 0:00

Lab No. : 1109437-10

	<u>Results</u>	<u>Units</u>	<u>LOD</u>	<u>LOQ</u>	<u>Dilution Factor</u>	<u>Qualifiers</u>	<u>Date Analyzed</u>	<u>Analyst</u>
<b><u>EPA 8021B</u></b>								
1,2,4-Trimethylbenzene	ND	ug/L	0.400	2.00	1		10/06/11	ALZ
1,3,5-Trimethylbenzene	ND	ug/L	0.440	2.00	1		10/06/11	ALZ
Benzene	ND	ug/L	0.310	2.00	1		10/06/11	ALZ
Ethylbenzene	ND	ug/L	0.500	2.00	1		10/06/11	ALZ
m&p-Xylene	ND	ug/L	0.620	2.10	1		10/06/11	ALZ
Methyl Tert Butyl Ether	ND	ug/L	0.300	2.00	1		10/06/11	ALZ
Naphthalene	ND	ug/L	2.00	2.66	1		10/06/11	ALZ
o-Xylene	ND	ug/L	0.770	2.00	1		10/06/11	ALZ
Toluene	ND	ug/L	0.370	2.00	1		10/06/11	ALZ

# SIEMENS

Meridian Environmental Consulting, LLC  
 2711 North Elco Road  
 Fall Creek, WI 54742

PROJECT NO. : Ridgeland  
 REPORT NO. : 1109437  
 DATE REC'D: 09/29/11 10:17  
 REPORT DATE : 10/10/11 12:27  
 PREPARED BY : BMS

Attn: Ken Shimko

Sample ID: Rosen

Matrix: Ground Water

Sample Date/Time: 09/28/11 0:00

Lab No. : 1109437-11

	<u>Results</u>	<u>Units</u>	<u>LOD</u>	<u>LOQ</u>	<u>Dilution Factor</u>	<u>Qualifiers</u>	<u>Date Analyzed</u>	<u>Analyst</u>
<b>EPA 8021B</b>								
1,2,4-Trimethylbenzene	ND	ug/L	0.400	2.00	1		10/06/11	ALZ
1,3,5-Trimethylbenzene	ND	ug/L	0.440	2.00	1		10/06/11	ALZ
Benzene	ND	ug/L	0.310	2.00	1		10/06/11	ALZ
Ethylbenzene	ND	ug/L	0.500	2.00	1		10/06/11	ALZ
m&p-Xylene	ND	ug/L	0.620	2.10	1		10/06/11	ALZ
Methyl Tert Butyl Ether	ND	ug/L	0.300	2.00	1		10/06/11	ALZ
Naphthalene	ND	ug/L	2.00	2.66	1		10/06/11	ALZ
o-Xylene	ND	ug/L	0.770	2.00	1		10/06/11	ALZ
Toluene	ND	ug/L	0.370	2.00	1		10/06/11	ALZ

Sample ID: Crosby

Matrix: Ground Water

Sample Date/Time: 09/28/11 0:00

Lab No. : 1109437-12

	<u>Results</u>	<u>Units</u>	<u>LOD</u>	<u>LOQ</u>	<u>Dilution Factor</u>	<u>Qualifiers</u>	<u>Date Analyzed</u>	<u>Analyst</u>
<b>EPA 8021B</b>								
1,2,4-Trimethylbenzene	ND	ug/L	0.400	2.00	1		10/06/11	ALZ
1,3,5-Trimethylbenzene	ND	ug/L	0.440	2.00	1		10/06/11	ALZ
Benzene	ND	ug/L	0.310	2.00	1		10/06/11	ALZ
Ethylbenzene	ND	ug/L	0.500	2.00	1		10/06/11	ALZ
m&p-Xylene	ND	ug/L	0.620	2.10	1		10/06/11	ALZ
Methyl Tert Butyl Ether	ND	ug/L	0.300	2.00	1		10/06/11	ALZ
Naphthalene	ND	ug/L	2.00	2.66	1		10/06/11	ALZ
o-Xylene	ND	ug/L	0.770	2.00	1		10/06/11	ALZ
Toluene	ND	ug/L	0.370	2.00	1		10/06/11	ALZ

# SIEMENS

Meridian Environmental Consulting, LLC  
 2711 North Elco Road  
 Fall Creek, WI 54742

PROJECT NO. : Ridgeland  
 REPORT NO. : 1109437  
 DATE REC'D: 09/29/11 10:17  
 REPORT DATE : 10/10/11 12:27  
 PREPARED BY : BMS

Attn: Ken Shimko

Sample ID: Trip Blank

Matrix: Water

Sample Date/Time: 09/28/11 0:00

Lab No. : 1109437-13

	<u>Results</u>	<u>Units</u>	<u>LOD</u>	<u>LOQ</u>	<u>Dilution Factor</u>	<u>Qualifiers</u>	<u>Date Analyzed</u>	<u>Analyst</u>
<b><u>EPA 8021B</u></b>								
1,2,4-Trimethylbenzene	ND	ug/L	0.400	2.00	1		10/07/11	ALZ
1,3,5-Trimethylbenzene	ND	ug/L	0.440	2.00	1		10/07/11	ALZ
Benzene	ND	ug/L	0.310	2.00	1		10/07/11	ALZ
Ethylbenzene	ND	ug/L	0.500	2.00	1		10/07/11	ALZ
m&p-Xylene	ND	ug/L	0.620	2.10	1		10/07/11	ALZ
Methyl Tert Butyl Ether	ND	ug/L	0.300	2.00	1		10/07/11	ALZ
Naphthalene	ND	ug/L	2.00	2.66	1		10/07/11	ALZ
o-Xylene	ND	ug/L	0.770	2.00	1		10/07/11	ALZ
Toluene	ND	ug/L	0.370	2.00	1		10/07/11	ALZ

Sample ID: T-1

Matrix: Ground Water

Sample Date/Time: 09/28/11 0:00

Lab No. : 1109437-14

	<u>Results</u>	<u>Units</u>	<u>LOD</u>	<u>LOQ</u>	<u>Dilution Factor</u>	<u>Qualifiers</u>	<u>Date Analyzed</u>	<u>Analyst</u>
<b><u>EPA 8021B</u></b>								
1,2,4-Trimethylbenzene	4.54	ug/L	0.400	2.00	1		10/07/11	ALZ
1,3,5-Trimethylbenzene	1.26	ug/L	0.440	2.00	1	J	10/07/11	ALZ
Benzene	83.7	ug/L	0.310	2.00	1		10/07/11	ALZ
Ethylbenzene	ND	ug/L	0.500	2.00	1		10/07/11	ALZ
m&p-Xylene	6.30	ug/L	0.620	2.10	1		10/07/11	ALZ
Methyl Tert Butyl Ether	2.03	ug/L	0.300	2.00	1		10/07/11	ALZ
Naphthalene	2.42	ug/L	2.00	2.66	1	J	10/07/11	ALZ
o-Xylene	10.7	ug/L	0.770	2.00	1		10/07/11	ALZ
Toluene	2.80	ug/L	0.370	2.00	1		10/07/11	ALZ

# SIEMENS

## Qualifier Descriptions

J

Estimated concentration below laboratory quantitation level.

## Definitions

LOD = Limit of Detection (Dilution Corrected)  
LOQ = Limit of Quantitation (Dilution Corrected)  
Reporting Limit = LOQ (Dilution Corrected)  
ND = Not Detected  
COMP = Complete  
SUBCON = Subcontracted analysis  
mv = millivolts  
pci/L = picocuries per Liter  
mL/L = milliliters per Liter  
mg = milligram

When the word "dry" follows the units on the result page the sample results are dry weight corrected.

LODs and LOQs are dry weight corrected for all soils except WI GRO and EPA 8021 methanol and WI DNR methylene chloride preserved soils.

(WNC) = The required Wisconsin DNR program certification is not held for this analyte.

ug/l = Micrograms per Liter = parts per billion (ppb)  
ug/kg = Micrograms per kilogram = parts per billion (ppb)  
mg/l = Milligrams per liter = parts per million (ppm)  
mg/kg = Milligrams per kilogram = parts per million (ppm)  
NOT PRES = Not Present  
ppth = Parts per thousand  
\* = Result outside established limits.  
mg/m<sup>3</sup> = Milligrams per meter cubed  
ng/L = Nanograms per Liter = Parts per trillion (ppt)  
> = Greater Than

Methanol Soils for WI GRO and EPA 8021 are reported to the LOQ.



Company Name <i>Mendota Environ. Estlg.</i>		Project <i>Ridgeland</i>	
Report Mailing Address <i>2711 N. Elco Rd Fall Creek WI</i>		Contact Name, Phone, Fax, Email <i>Ken Shinko 715-832-6608</i>	
Invoice Address <i>54742</i>		Purchase Order #	Invoice Contact and Phone No.

Matrix: Drinking Water / Groundwater / Wastewater / Soil/Solid / Other: \_\_\_\_\_

Wis. PECFA Project subject to U&C? Yes  No

For Compliance Monitoring? Yes  No  State: \_\_\_\_\_  
(If Yes, please specify Agency or Regulation) Agency/Reg.: \_\_\_\_\_

Turnaround Request:  Normal (10 Bus. Days)  
 Rush (Must be pre-approved by Lab and is subject to surcharges)  
Date Needed: \_\_\_\_\_

WO No: 1109437

Analyses Requested										Lab Use Only		
4 VOL + Meth										Delivered by:	Walk-in	Cooler
										Shp. Cont. OK?	<input checked="" type="checkbox"/>	<input type="checkbox"/> NA
										Samples Leaking?	<input checked="" type="checkbox"/>	<input type="checkbox"/> NA
										Seals OK?	<input checked="" type="checkbox"/>	<input type="checkbox"/> NA
										Reed on Ice?	<input checked="" type="checkbox"/>	<input type="checkbox"/> NA
										Sample Receiving Comments:		
										34		
										Comments		
										3 vials Hcl		
										2 vials Hcl		
									3 vials Hcl			

Lab Use Only	Sample		No. of Containers		Sample ID
	Date	Time	Comp	Grab	
1	9/28/10	AM			MW-1
2				2	-2R
3					-3
4					-4
5					-5
6					-6
7					-7
8					-8
9					PZ 1

Chain of Custody Record

Relinquished By:	Date	Time	Received By:
	9/29/11	1017	<i>Sean Arden</i>

Company Name <i>Mendota</i>	Project <i>Ridgeland</i>	
Report Mailing Address	Contact Name, Phone, Fax, Email <i>Ken Shimko</i>	
Invoice Address	Purchase Order #	Invoice Contact and Phone No.

Matrix: Drinking Water Groundwater Wastewater Soil/Solid Other: \_\_\_\_\_

Wis. PECFA Project subject to U&C? Yes No

For Compliance Monitoring? Yes No State: \_\_\_\_\_  
(If Yes, please specify Agency or Regulation) Agency/Reg.: \_\_\_\_\_

Turnaround Request:  Normal (10 Bus. Days)  
 Rush (Must be pre-approved by Lab and is subject to surcharges)  
Date Needed: \_\_\_\_\_

WO No. *1109437*

Analyses Requested						Lab Use Only		
<i>PVOC T NapH</i>						Delivered by: <i>Walk-in</i>	<i>CONFIRM</i>	
						Ship Cont. OK? <input checked="" type="checkbox"/>	<i>N</i>	<i>NA</i>
						Samples Leaking? <input checked="" type="checkbox"/>	<i>N</i>	<i>NA</i>
						Seals OK? <input checked="" type="checkbox"/>	<i>N</i>	<i>NA</i>
						Rec'd on job? <input checked="" type="checkbox"/>	<i>N</i>	<i>NA</i>
Sample Receiving Comments:						<i>3.4</i>		

Lab Use Only	Sample		No. of Containers		Sample ID	Analyses	Date	Time	Comments
	Date	Time	Comp	Grab					
<i>-10</i>	<i>9/28/11</i>				<i>Amunboa</i>	<i>x</i>			<i>3 vials HCl</i>
<i>-11</i>	<i>↓</i>				<i>Rosen</i>	<i>↓</i>			<i>↓</i>
<i>-12</i>					<i>Crosby</i>				
<i>-13</i>					<i>Trip Blank</i>				<i>2 vials HCl 6-2-11</i>
<i>-14</i>					<i>T-1</i>			<i>OK To add per Ken's email</i>	<i>TB165</i>

Chain of Custody Record

Relinquished By:	Date	Time	Received By:
<i>[Signature]</i>	<i>9/28/11</i>	<i>3pm</i>	
	<i>9-29-11</i>	<i>1017</i>	<i>[Signature]</i>

**APPENDIX C**

**WELL ABANDONMENT FORMS  
SOIL BORING LOGS  
MONITORING WELL CONSTRUCTION FORMS**

MW-2

Well / Drillhole / Borehole Filling & Sealing

Form 3300-005 (R 4/08)

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

Verification Only of Fill and Seal

Route to:

Drinking Water

Watershed/Wastewater

Remediation/Redevelopment

Waste Management

Other: \_\_\_\_\_

1. Well Location Information

County <b>Dunn</b>	WI Unique Well # of Removed Well _____	Hicap # _____
Latitude / Longitude (Degrees and Minutes) ____ ° ____ ' N ____ ° ____ ' W	Method Code (see instructions) _____	
1/4 or Gov't Lot # _____	Section _____	Township N
Well Street Address <b>100 Toumar</b>	Range _____	_____ E _____ W
Well City, Village or Town <b>Ridgeland</b>	Well ZIP Code _____	
Subdivision Name _____	Lot # _____	_____

2. Facility / Owner Information

Facility Name <b>Corner Store</b>
Facility ID (FID or PWS) _____
License/Permit/Monitoring # _____
Original Well Owner _____
Present Well Owner _____
Mailing Address of Present Owner _____
City of Present Owner <b>Ridgeland</b>
State <b>WI</b>
ZIP Code _____

Reason For Removal From Service <b>Excavation</b>	WI Unique Well # of Replacement Well _____
--	---

3. Well / Drillhole / Borehole Information

<input checked="" type="checkbox"/> Monitoring Well	Original Construction Date (mm/dd/yyyy) <b>6-10-10</b>
<input type="checkbox"/> Water Well	
<input type="checkbox"/> Borehole / Drillhole	
Construction Type: <input checked="" type="checkbox"/> Drilled <input type="checkbox"/> Driven (Sandpoint) <input type="checkbox"/> Dug <input type="checkbox"/> Other (specify): _____	If a Well Construction Report is available, please attach. <input checked="" type="checkbox"/>

Formation Type: <input checked="" type="checkbox"/> Unconsolidated Formation <input type="checkbox"/> Bedrock
--

Total Well Depth From Ground Surface (ft.) <b>15</b>	Casing Diameter (in.) <b>2</b>
Lower Drillhole Diameter (in.) <b>8</b>	Casing Depth (ft.) <b>15</b>

Was well annular space grouted? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown	
If yes, to what depth (feet)? <b>~ 1 ft.</b>	Depth to Water (feet) <b>~ 5 ft.</b>

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

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

Required Method of Placing Sealing Material: <input type="checkbox"/> Conductor Pipe-Gravity <input type="checkbox"/> Conductor Pipe-Pumped <input type="checkbox"/> Screened & Poured (Bentonite Chips) <input type="checkbox"/> Other (Explain): _____
--

Sealing Materials: <input type="checkbox"/> Neat Cement Grout <input type="checkbox"/> Clay-Sand Slurry (11 lb./gal. wt.) <input type="checkbox"/> Sand-Cement (Concrete) Grout <input type="checkbox"/> Bentonite-Sand Slurry " " <input type="checkbox"/> Concrete <input type="checkbox"/> Bentonite Chips
--

For Monitoring Wells and Monitoring Well Boreholes Only: <input checked="" type="checkbox"/> Bentonite Chips <input type="checkbox"/> Bentonite - Cement Grout <input type="checkbox"/> Granular Bentonite <input type="checkbox"/> Bentonite - Sand Slurry
---

5. Material Used To Fill Well / Drillhole	From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
<b>bentonite</b>	Surface	<b>15</b>	<b>~ 1/2 bag</b>	

6. Comments

7. Supervision of Work			DNR Use Only	
Name of Person or Firm Doing Filling & Sealing <b>Mendian Env. csllg.</b>	License # <b>1061</b>	Date of Filling & Sealing (mm/dd/yyyy) <b>5-24-11</b>	Date Received	Noted By
Street or Route <b>2711 W. Elwood</b>		Telephone Number <b>(715) 832-6608</b>	Comments	
City <b>Fall Creek</b>	State <b>WI</b>	ZIP Code <b>54742</b>	Signature of Person Doing Work <i>[Signature]</i>	Date Signed <b>5-26-11</b>

Facility/Project Name <u>Waters - Ridgeland</u>	Local Grid Location of Well ft. <input type="checkbox"/> N. <input type="checkbox"/> S. <input type="checkbox"/> E. <input type="checkbox"/> W.	Well Name <u>MW-2</u>
Facility License, Permit or Monitoring No.	Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/> ) or Well Location <input type="checkbox"/> Lat. _____ " Long. _____ " or _____ " or _____ "	Wis. Unique Well No.: _____ DNR Well ID No.: _____
Facility ID	St. Plane _____ ft. N. _____ ft. E. S/C/N	Date Well Installed <u>06/10/2010</u> m m d d y y y y
Type of Well Well Code <u>11 / MW</u>	Section Location of Waste/Source 1/4 of _____ 1/4 of Sec. _____ T. _____ N. R. _____ <input type="checkbox"/> E <input type="checkbox"/> W	Well Installed By: Name (first, last) and Firm <u>Langdon + Darr Geiss</u>
Distance from Waste/Source _____ ft.	Location of Well Relative to Waste/Source u <input type="checkbox"/> Upgradient s <input type="checkbox"/> Sidegradient d <input type="checkbox"/> Downgradient n <input type="checkbox"/> Not Known	Gov. Lot Number _____

- A. Protective pipe, top elevation \_\_\_\_\_ ft. MSL
- B. Well casing, top elevation -0.5 ft. MSL
- C. Land surface elevation 0 ft. MSL
- D. Surface seal, bottom \_\_\_\_\_ ft. MSL or \_\_\_\_\_ ft.

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

13. Sieve analysis performed?  Yes  No

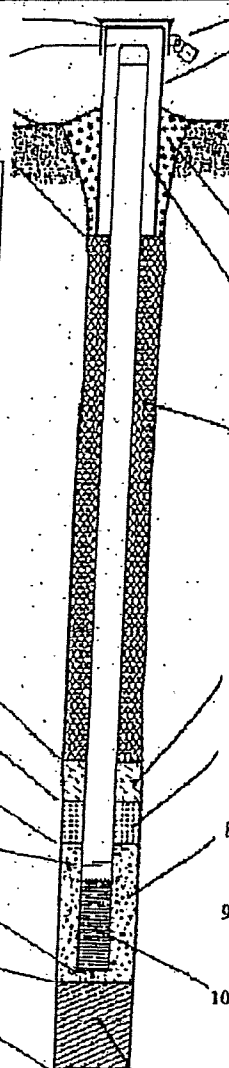
14. Drilling method used: Rotary  50  
 Hollow Stem Auger  41  
 Other

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

16. Drilling additives used?  Yes  No

Describe: \_\_\_\_\_

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



- 1. Cap and lock?  Yes  No
- 2. Protective cover pipe:
  - a. Inside diameter: 8 in.
  - b. Length: 1 ft.
  - c. Material: Steel  04  
Other
  - d. Additional protection?  Yes  No  
If yes, describe: \_\_\_\_\_
- 3. Surface seal:
  - Bentonite  30
  - Concrete  01
  - Other
- 4. Material between well casing and protective pipe:
  - Bentonite  30
  - Other
- 5. Annular space seal:
  - a. Granular/Chipped Bentonite  33
  - b. \_\_\_\_\_ Lbs/gal mud weight . . . Bentonite-sand slurry  35
  - c. \_\_\_\_\_ Lbs/gal mud weight . . . Bentonite slurry  31
  - d. \_\_\_\_\_ % Bentonite . . . . . Bentonite-cement grout  50
  - e. \_\_\_\_\_ ft<sup>3</sup> volume added for any of the above
  - f. How installed: Tremie  01  
Tremie pumped  02  
Gravity  08
- 6. Bentonite seal:
  - a. Bentonite granules  33
  - b.  1/4 in.  3/8 in.  1/2 in. Bentonite chips  32
  - c. \_\_\_\_\_ Other
- 7. Fine sand material: Manufacturer, product name & mesh size
  - a. \_\_\_\_\_
  - b. Volume added \_\_\_\_\_ ft<sup>3</sup>
- 8. Filter pack material; Manufacturer, product name & mesh size
  - a. Sand
  - b. Volume added \_\_\_\_\_ ft<sup>3</sup>
- 9. Well casing:
  - Flush threaded PVC schedule 40  23
  - Flush threaded PVC schedule 80  24
  - Other
- 10. Screen material:
  - a. Screen type: Factory cut  11  
Continuous slot  01  
Other
  - b. Manufacturer \_\_\_\_\_
  - c. Slot size: 0.1 in.
  - d. Slotted length: 10 ft.
- 11. Backfill material (below filter pack):
  - None  14
  - Other

- E. Bentonite seal, top \_\_\_\_\_ ft. MSL or 1 ft.
- F. Fine sand, top \_\_\_\_\_ ft. MSL or 3 ft.
- G. Filter pack, top \_\_\_\_\_ ft. MSL or 5 ft.
- H. Screen joint, top \_\_\_\_\_ ft. MSL or 5 ft.
- I. Well bottom \_\_\_\_\_ ft. MSL or 15 ft.
- J. Filter pack, bottom \_\_\_\_\_ ft. MSL or 16.5 ft.
- K. Borehole, bottom \_\_\_\_\_ ft. MSL or 16.5 ft.
- L. Borehole, diameter 8 in.
- M. O.D. well casing 2 in.
- N. I.D. well casing 2 in.

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

Signature: [Signature] Firm: Mendota Environmental Estlg.

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.

SB-11

Route To: Watershed/Wastewater  Waste Management   
Remediation/Revelopment  Other

Page 1 of 1

Facility/Project Name <i>Corner Store</i>		License/Permit/Monitoring Number	Boring Number <i>SBS - Old Tanks</i>		
Boring Drilled By: Name of crew chief (first, last) and Firm First Name: <i>Joe</i> Last Name: <i>Black</i> Firm: <i>Midwest Eng.</i>		Date Drilling Started <i>6/1/2011</i> m m d d y y y y	Date Drilling Completed <i>6/1/2011</i> m m d d y y y y	Drilling Method <i>HSA</i>	
WI Unique Well No.	DNR Well ID No.	Well Name	Final Static Water Level Feet MSL	Surface Elevation Feet MSL	Borehole Diameter inches
Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/> ) or Boring Location <input type="checkbox"/>		Local Grid Location			
State Plane N. E		Lat. 0 ' "	<input type="checkbox"/> N <input type="checkbox"/> E		
1/4 of 1/4 of Section . T N, R		Long 0 ' "	Feet <input type="checkbox"/> S Feet <input type="checkbox"/> W		
Facility ID	County <i>Dunn</i>	County Code	Civil Town/City or Village <i>Hedgecraft</i>		

Sample Number and 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	Soil Properties					RQD/ Comments		
									Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200			
			1	fill sand												
			1-5	black sand w/ asphalt				⊕								
			5-10	black sand wet				⊕								
			10-15	same				⊕								
			15-20	same				⊕								
			20	EOB = 10 ft.												

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

Signature *[Signature]* Firm *Mendon Environmental CSRS, LLC*

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

SB - old tank basin

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: Dunn      WI Unique Well # of Removed Well: \_\_\_\_\_      Hicap #: \_\_\_\_\_

Latitude / Longitude (Degrees and Minutes): \_\_\_\_\_ ' N  
 \_\_\_\_\_ ' W

Method Code (see instructions): \_\_\_\_\_

1/4, 1/2, 3/4, or Gov't Lot #: \_\_\_\_\_      Section: \_\_\_\_\_      Township: \_\_\_\_\_      Range: \_\_\_\_\_ E/W

Well Street Address: 100 Tonnar St.

Well City, Village or Town: Ridgeland      Well ZIP Code: 54763

Subdivision Name: \_\_\_\_\_      Lot #: \_\_\_\_\_

Facility Name: Corner Store

Facility ID (FID or PWS): \_\_\_\_\_

License/Permit/Monitoring #: \_\_\_\_\_

Original Well Owner: \_\_\_\_\_

Present Well Owner: \_\_\_\_\_

Mailing Address of Present Owner: \_\_\_\_\_

City of Present Owner: \_\_\_\_\_      State: \_\_\_\_\_      ZIP Code: \_\_\_\_\_

Reason For Removal From Service: Soil boring      WI Unique Well # of Replacement Well: \_\_\_\_\_

**3. Well / Drillhole / Borehole Information**

Monitoring Well       Water Well       Borehole / Drillhole

Original Construction Date (mm/dd/yyyy): 6-1-11

If a Well Construction Report is available, please attach: \_\_\_\_\_

Construction Type:

Drilled       Driven (Sandpoint)       Dug

Other (specify): \_\_\_\_\_

Formation Type:

Unconsolidated Formation       Bedrock

Total Well Depth From Ground Surface (ft.): \_\_\_\_\_      Casing Diameter (in.): \_\_\_\_\_

Lower Drillhole Diameter (in.): \_\_\_\_\_      Casing Depth (ft.): \_\_\_\_\_

Was well annular space grouted?       Yes       No       Unknown

If yes, to what depth (feet)? \_\_\_\_\_      Depth to Water (feet): ~ 4 ft.

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

Pump and piping removed?       Yes       No       N/A

Liner(s) removed?       Yes       No       N/A

Screen removed?       Yes       No       N/A

Casing left in place?       Yes       No       N/A

Was casing cut off below surface?       Yes       No       N/A

Did sealing material rise to surface?       Yes       No       N/A

Did material settle after 24 hours?       Yes       No       N/A

If yes, was hole retopped?       Yes       No       N/A

If bentonite chips were used, were they hydrated with water from a known safe source?       Yes       No       N/A

Required Method of Placing Sealing Material

Conductor Pipe-Gravity       Conductor Pipe-Pumped

Screened & Poured (Bentonite Chips)       Other (Explain): \_\_\_\_\_

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.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
Surface	10	<u>~ 1/2 bag</u>	

**6. Comments**

\_\_\_\_\_

**7. Supervision of Work**      **DNR Use Only**

Name of Person or Firm Doing Filling & Sealing: Mari-dan Env. Cstg.      License #: 1061      Date of Filling & Sealing (mm/dd/yyyy): 6-1-11

Date Received: \_\_\_\_\_      Noted By: \_\_\_\_\_

Street or Route: 2711 W. Elco Rd      Telephone Number: (715) 832-6608      Comments: \_\_\_\_\_

City: Fall Creek      State: WI      ZIP Code: 54742      Signature of Person Doing Work: \_\_\_\_\_      Date Signed: 6-2-11

Facility/Project Name <b>Corner Store</b>	Local Grid Location of Well ft. <input type="checkbox"/> N. <input type="checkbox"/> E. <input type="checkbox"/> S. <input type="checkbox"/> W.	Well Name <b>MW-2R</b>
Facility License, Permit or Monitoring No.	Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/> ) or Well Location <input type="checkbox"/>	Wis. Unique Well No.   DNR Well ID No.
Facility ID	Lat. _____ " Long. _____ " or	Date Well Installed <b>6/1/2011</b> m m d d y y y y
Type of Well Well Code <b>1</b>	St. Plane _____ ft. N. _____ ft. E. S/C/N	Well Installed By: Name (first, last) and Firm <b>Joe Black</b> <b>Midwest Eng.</b>
Distance from Waste/Source _____ ft.	Section Location of Waste/Source 1/4 of _____ 1/4 of Sec. _____ T. _____ N. R. _____ <input type="checkbox"/> E <input type="checkbox"/> W	
Enf. Stds. Apply <input type="checkbox"/>	Location of Well Relative to Waste/Source u <input type="checkbox"/> Upgradient s <input type="checkbox"/> Sidegradient d <input type="checkbox"/> Downgradient n <input type="checkbox"/> Not Known	
	Gov. Lot Number _____	

A. Protective pipe, top elevation \_\_\_\_\_ ft. MSL

B. Well casing, top elevation \_\_\_\_\_ ft. MSL

C. Land surface elevation \_\_\_\_\_ ft. MSL

D. Surface seal, bottom \_\_\_\_\_ ft. MSL or \_\_\_\_\_ ft.

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

13. Sieve analysis performed?  Yes  No

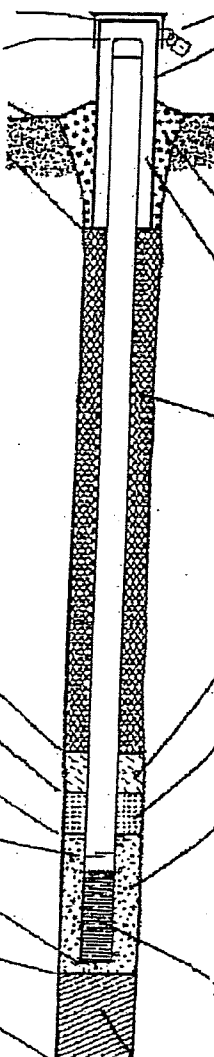
14. Drilling method used: Rotary  50  
 Hollow Stem Auger  41  
 Other

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

16. Drilling additives used?  Yes  No

Describe \_\_\_\_\_

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



1. Cap and lock?  Yes  No

2. Protective cover pipe:  
 a. Inside diameter: \_\_\_\_\_ in.  
 b. Length: \_\_\_\_\_ ft.  
 c. Material: Steel  04  
 Other

d. Additional protection?  Yes  No  
 If yes, describe: \_\_\_\_\_

3. Surface seal: Bentonite  30  
 Concrete  01  
 Other

4. Material between well casing and protective pipe:  
 Bentonite  30  
 Other

5. Annular space seal:  
 a. Granular/Chipped Bentonite  33  
 b. \_\_\_\_\_ Lbs/gal mud weight ... Bentonite-sand slurry  35  
 c. \_\_\_\_\_ Lbs/gal mud weight ... Bentonite slurry  31  
 d. \_\_\_\_\_ % Bentonite ... Bentonite-cement grout  50  
 e. \_\_\_\_\_ Ft<sup>3</sup> volume added for any of the above  
 f. How installed: Tremie  01  
 Tremie pumped  02  
 Gravity  08

6. Bentonite seal:  
 a. Bentonite granules  33  
 b.  1/4 in.  3/8 in.  1/2 in. Bentonite chips  32  
 c. \_\_\_\_\_ Other

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

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

9. Well casing: Flush threaded PVC schedule 40  23  
 Flush threaded PVC schedule 80  24  
 Other

10. Screen material: **PVC**  
 a. Screen type: Factory cut  11  
 Continuous slot  01  
 Other   
 b. Manufacturer \_\_\_\_\_  
 c. Slot size: \_\_\_\_\_ in.  
 d. Slotted length: \_\_\_\_\_ ft.

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

E. Bentonite seal, top \_\_\_\_\_ ft. MSL or **2** ft.

F. Fine sand, top \_\_\_\_\_ ft. MSL or **3** 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 **14** ft.

K. Borehole, bottom \_\_\_\_\_ ft. MSL or **14** ft.

L. Borehole, diameter **8** in.

M. O.D. well casing **2** in.

N. I.D. well casing **2** in.

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

Signature *[Signature]* Firm **Midwest Environmental CS/Eng, 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 <u>Corner Store</u>	County Name <u>Dunn</u>	Well Name <u>MW-2A</u>
Facility License, Permit or Monitoring Number	County Code	Wis. Unique Well Number
		DNR Well ID Number

1. Can this well be purged dry?  Yes  No

2. Well development method
- 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

3. Time spent developing well 30 min.

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

5. Inside diameter of well 2 in.

6. Volume of water in filter pack and well casing 1 gal.

7. Volume of water removed from well 10 gal.

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

9. Source of water added \_\_\_\_\_

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

11. Depth to Water (from top of well casing)

	Before Development	After Development
a.	<u>NM</u> ft.	<u>NM</u> ft.

Date

b.	<u>6</u> / <u>1</u> / <u>2011</u>	<u>6</u> / <u>1</u> / <u>2011</u>
	m m d d y y y y	m m d d y y y y

Time

c.	_____ : _____	_____ : _____
	<input type="checkbox"/> a.m. <input type="checkbox"/> p.m.	<input type="checkbox"/> a.m. <input type="checkbox"/> p.m.

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

13. Water clarity

Clear	<input type="checkbox"/> 10	Clear	<input type="checkbox"/> 20
Turbid	<input checked="" type="checkbox"/> 15	Turbid	<input checked="" type="checkbox"/> 25
(Describe)		(Describe)	

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: Ken Last Name: Shimko

Firm: Mendian Environmental C.Hg.

17. Additional comments on development:

Name and Address of Facility Contact/Owner/Responsible Party

First Name: Ken Last Name: Shimko

Facility/Firm: Mendian Env. C.Hg.

Street: 2711 N. Elko Rd

City/State/Zip: Fall Creek, WI 54742

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

Signature: [Signature]

Print Name: Kenneth Shimko

Firm: Mendian Env. C.Hg., LLC


Route To:  Watershed/Wastewater  Waste Management   
 Remediation/Revelopment  Other

Page 1 of 1

Facility/Project Name <b>Corner Store</b>		License/Permit/Monitoring Number		Boring Number <b>MW-2R</b>	
Boring Drilled By: Name of crew chief (first, last) and Firm First Name: <b>Joe</b> Last Name: <b>Black</b> Firm: <b>Midwest Eng.</b>		Date Drilling Started <b>6.1.2011</b> m m d d y y y y	Date Drilling Completed <b>6.1.2011</b> m m d d y y y y	Drilling Method <b>HSA</b>	
WI Unique Well No.	DNR Well ID No.	Well Name	Final Static Water Level Feet MSL	Surface Elevation Feet MSL	Borehole Diameter inches
Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/> ) or Boring Location <input type="checkbox"/> State Plane _____ N, _____ E 1/4 of _____ 1/4 of Section _____, T _____ N, R _____			Local Grid Location Lat _____ ° _____ ' _____ " <input type="checkbox"/> N <input type="checkbox"/> E Long _____ ° _____ ' _____ " Feet <input type="checkbox"/> S _____ Feet <input type="checkbox"/> W		
Facility ID		County <b>Dunn</b>	County Code	Civil Town/City/ or Village <b>Ridgeband</b>	

Sample Number and 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	Soil Properties					ROD/Comments
									Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	
			5 10 15	<p>earth drill</p>										

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

Signature  Firm **Meridian Env. CS Inc, LLC**

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

Facility/Project Name <b>Corner Store</b>	Local Grid Location of Well ft. <input type="checkbox"/> N. <input type="checkbox"/> S. <input type="checkbox"/> E. <input type="checkbox"/> W.	Well Name <b>MW-5</b>
Facility License, Permit or Monitoring No.	Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/> ) or Well Location <input type="checkbox"/> Lat. _____ " Long. _____ "	Wis. Unique Well No. <input type="checkbox"/> DNR Well ID No. <input type="checkbox"/>
Facility ID	St. Plane _____ ft. N. _____ ft. E. S/C/N	Date Well Installed <b>5/31/2011</b> m m d d y y v v y
Type of Well Well Code _____ / _____	Section Location of Waste/Source 1/4 of _____ 1/4 of Sec. _____ T. _____ N, R. _____ <input type="checkbox"/> E <input type="checkbox"/> W	Well Installed By: Name (first, last) and Firm <b>Joe Black</b> <b>Midwest Eng.</b>
Distance from Waste/Source _____ ft.	Location of Well Relative to Waste/Source u <input type="checkbox"/> Upgradient s <input type="checkbox"/> Sidegradient d <input type="checkbox"/> Downgradient n <input type="checkbox"/> Not Known	
Enf. Stds. Apply <input type="checkbox"/>	Gov. Lot Number _____	

- A. Protective pipe, top elevation ----- 0 ft. MSL
- B. Well casing, top elevation ----- 5 ft. MSL
- C. Land surface elevation ----- 0 ft. MSL
- D. Surface seal, bottom ----- 1 ft. MSL or \_\_\_\_\_ ft.

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

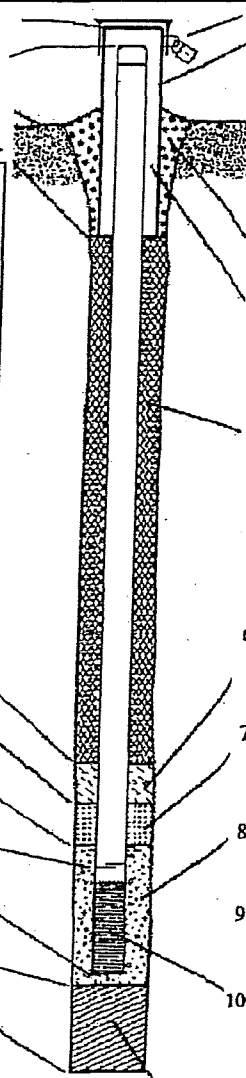
13. Sieve analysis performed?  Yes  No

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

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

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

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



- 1. Cap and lock?  Yes  No
- 2. Protective cover pipe:
  - a. Inside diameter: 12 in.
  - b. Length: 1 ft.
  - c. Material: Steel  04  
Other
  - d. Additional protection?  Yes  No  
If yes, describe: \_\_\_\_\_
- 3. Surface seal: Bentonite  30  
Concrete  01  
Other
- 4. Material between well casing and protective pipe: Bentonite  30  
Other
- 5. Annular space seal:
  - a. Granular/Chipped Bentonite  33
  - b. \_\_\_\_\_ Lbs/gal mud weight... Bentonite-sand slurry  35
  - c. \_\_\_\_\_ Lbs/gal mud weight... Bentonite slurry  31
  - d. \_\_\_\_\_ % Bentonite... Bentonite-cement grout  50
  - e. \_\_\_\_\_ Ft<sup>3</sup> volume added for any of the above
  - f. How installed: Tremie  01  
Tremie pumped  02  
Gravity  08
- 6. Bentonite seal:
  - a. Bentonite granules  33
  - b.  1/4 in.  3/8 in.  1/2 in. Bentonite chips  32
  - c. \_\_\_\_\_ Other
- 7. Fine sand material: Manufacturer, product name & mesh size  
 a. \_\_\_\_\_  
 b. Volume added \_\_\_\_\_ ft<sup>3</sup>
- 8. Filter pack material: Manufacturer, product name & mesh size  
 a. \_\_\_\_\_  
 b. Volume added \_\_\_\_\_ ft<sup>3</sup>
- 9. Well casing: Flush threaded PVC schedule 40  23  
 Flush threaded PVC schedule 80  24  
 Other
- 10. Screen material: PVC  
 a. Screen type: Factory cut  11  
 Continuous slot  01  
 Other   
 b. Manufacturer \_\_\_\_\_  
 c. Slot size: 0.1 in.  
 d. Slotted length: \_\_\_\_\_ ft.
- 11. Backfill material (below filter pack): None  14  
 Other

- E. Bentonite seal, top ----- ft. MSL or 3 ft.
- F. Fine sand, top ----- ft. MSL or 3 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 14 ft.
- K. Borehole, bottom ----- ft. MSL or 14 ft.
- L. Borehole, diameter 8 in.
- M. O.D. well casing 3 in.
- N. I.D. well casing 2 in.

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

Signature [Signature] Firm Midwest Environmental CS Inc, 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/Revelopment  Other

Page 1 of 1

Facility/Project Name <b>Corner Store</b>		License/Permit/Monitoring Number	Boring Number <b>MW-5</b>
Boring Drilled By: Name of crew chief (first, last) and Firm First Name: <b>Joe</b> Last Name: <b>Black</b> Firm: <b>Midwest Eng.</b>		Date Drilling Started <b>5/31/2011</b> m m d d y y y y	Date Drilling Completed <b>5/31/2011</b> m m d d y y y y
WI Unique Well No.	DNR Well ID No.	Well Name	Drilling Method <b>HSA</b>
Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/> ) or Boring Location <input type="checkbox"/>		Final Static Water Level Feet MSL	Surface Elevation Feet MSL
State Plane <u>N</u> , <u>E</u>		Borehole Diameter inches	
1/4 of <u>    </u> 1/4 of Section <u>    </u> , T <u>    </u> N, R <u>    </u>		Local Grid Location Feet <input type="checkbox"/> N <input type="checkbox"/> E <input type="checkbox"/> S <input type="checkbox"/> W	
Facility ID	County <b>Dunn</b>	County Code	Civil Town/City/ or Village <b>Ridgeland</b>

Sample Number and 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	Soil Properties					RQD/ Comments			
									Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200				
			3	black dirt - grass													
			5	tan fine sand, mod. well-sorted gray at tip.		4	2" PVC										
			10		tan fine sand, well-sorted.												
			12														
			15	EOB = 14 ft.													

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

Signature [Signature] Firm Meridian Env. CS Inc, LLC

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

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

Facility/Project Name <u>Corner Store</u>	County Name <u>Dunn</u>	Well Name <u>MW-5</u>
Facility License, Permit or Monitoring Number	County Code	Wis. Unique Well Number
		DNR Well ID Number

1. Can this well be purged dry?  Yes  No

2. Well development method
- 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

3. Time spent developing well 130 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 21 gal.

7. Volume of water removed from well 10 gal.

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

9. Source of water added \_\_\_\_\_

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

17. Additional comments on development:

11. Depth to Water (from top of well casing)

Before Development 3.77 ft. After Development 4.65 ft.

Date 6/1/2011 6/1/2011  
m m d d y y y y m m d d y y y y

Time  a.m.  a.m.  
 p.m.  p.m.

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

13. Water clarity Clear  10 Clear  20  
Turbid  15 Turbid  25  
(Describe) (Describe)

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: Ken Last Name: Shimko

Firm: Mendian Environmental C.Hg.

Name and Address of Facility Contact /Owner/Responsible Party

First Name: Ken Last Name: Shimko

Facility/Firm: Mendian Env. C.Hg.

Street: 2711 N. Elmo Rd

City/State/Zip: Fall Creek, WI  
54742

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

Signature: [Signature]

Print Name: Kenneth Shimko

Firm: Mendian Env. C.Hg., LLC

Facility/Project Name <b>Corner Store</b>	Local Grid Location of Well ft. <input type="checkbox"/> N. <input type="checkbox"/> S. <input type="checkbox"/> E. <input type="checkbox"/> W.	Well Name <b>MW-6</b>
Facility License, Permit or Monitoring No.	Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/> ) or Well Location <input type="checkbox"/> Lat. _____ " Long. _____ " or	Wis. Unique Well No. _____ DNR Well ID No. _____
Facility ID	St. Plane _____ ft. N. _____ ft. E. S/C/N	Date Well Installed <b>5/31/2011</b> m m d d y y v v
Type of Well Well Code <b>1</b>	Section Location of Waste/Source 1/4 of _____ 1/4 of Sec. _____ T. _____ N, R. <input type="checkbox"/> E <input type="checkbox"/> W	Well Installed By: Name (first, last) and Firm <b>Joe Black</b> <b>Midwest Eng.</b>
Distance from Waste/Source _____ ft.	Enf. Stds. Apply <input type="checkbox"/>	
	Location of Well Relative to Waste/Source u <input type="checkbox"/> Upgradient s <input type="checkbox"/> Sidegradient d <input type="checkbox"/> Downgradient n <input type="checkbox"/> Not Known	

- A. Protective pipe, top elevation ----- 0 ft. MSL  
 B. Well casing, top elevation ----- 5 ft. MSL  
 C. Land surface elevation ----- 0 ft. MSL  
 D. Surface seal, bottom ----- 1 ft. MSL or ----- ft.

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

13. Sieve analysis performed?  Yes  No

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

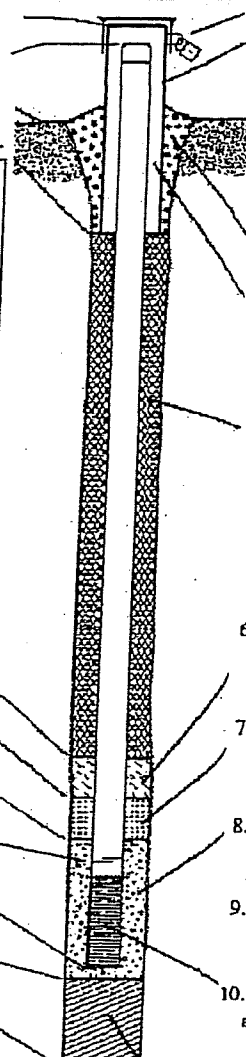
15. Drilling fluid used: Water  02 Air  01  
 Drilling Mud  03 None  99

16. Drilling additives used?  Yes  No

Describe \_\_\_\_\_

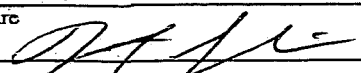
17. Source of water (attach analysis, if required):  
 \_\_\_\_\_

- E. Bentonite seal, top ----- ft. MSL or 3 ft.  
 F. Fine sand, top ----- ft. MSL or 3 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 14 ft.  
 K. Borehole, bottom ----- ft. MSL or 14 ft.  
 L. Borehole, diameter 8 in.  
 M. O.D. well casing 2 in.  
 N. I.D. well casing 2 in.



1. Cap and lock?  Yes  No  
 2. Protective cover pipe:  
 a. Inside diameter: 12 in.  
 b. Length: 1 ft.  
 c. Material: Steel  04  
 Other   
 d. Additional protection?  Yes  No  
 If yes, describe: \_\_\_\_\_  
 3. Surface seal: Bentonite  30  
 Concrete  01  
 Other   
 4. Material between well casing and protective pipe:  
 Bentonite  30  
 Other   
 5. Annular space seal: a. Granular/Chipped Bentonite  33  
 b. \_\_\_\_\_ Lbs/gal mud weight ... Bentonite-sand slurry  35  
 c. \_\_\_\_\_ Lbs/gal mud weight ... Bentonite slurry  31  
 d. \_\_\_\_\_ % Bentonite ... Bentonite-cement grout  50  
 e. \_\_\_\_\_ Ft<sup>3</sup> volume added for any of the above  
 f. How installed: Tremie  01  
 Tremie pumped  02  
 Gravity  08  
 6. Bentonite seal: a. Bentonite granules  33  
 b.  1/4 in.  3/8 in.  1/2 in. Bentonite chips  32  
 c. \_\_\_\_\_ Other   
 7. Fine sand material: Manufacturer, product name & mesh size  
 a. \_\_\_\_\_  
 b. Volume added \_\_\_\_\_ ft<sup>3</sup>  
 8. Filter pack material: Manufacturer, product name & mesh size  
 a. \_\_\_\_\_  
 b. Volume added \_\_\_\_\_ ft<sup>3</sup>  
 9. Well casing: Flush threaded PVC schedule 40  23  
 Flush threaded PVC schedule 80  24  
 Other   
 10. Screen material: **PVC**  
 a. Screen type: Factory cut  11  
 Continuous slot  01  
 Other   
 b. Manufacturer \_\_\_\_\_  
 c. Slot size: 0.1 in.  
 d. Slotted length: \_\_\_\_\_ ft.  
 11. Backfill material (below filter pack): None  14  
 Other

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

Signature  Firm **Midwest Environmental CS/Eng, LLC**

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

Facility/Project Name <u>Corner Store</u>	County Name <u>Dunn</u>	Well Name <u>MW-6</u>
Facility License, Permit or Monitoring Number	County Code	DNR Well ID Number

1. Can this well be purged dry?  Yes  No

2. Well development method
- 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

3. Time spent developing well 130 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 1 gal.

7. Volume of water removed from well 10 gal.

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

9. Source of water added \_\_\_\_\_

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

17. Additional comments on development:

	Before Development	After Development
11. Depth to Water (from top of well casing)	a. <u>395</u> ft.	<u>470</u> ft.
Date	b. <u>6/1/2011</u> m m d d y y y y	<u>6/1/2011</u> m m d d y y y y
Time	c. _____ : _____ <input type="checkbox"/> a.m. <input type="checkbox"/> p.m.	_____ : _____ <input type="checkbox"/> a.m. <input type="checkbox"/> p.m.

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

13. Water clarity  
Clear  10      Clear  20  
Turbid  15      Turbid  25  
(Describe)                      (Describe)

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: Ken      Last Name: Shimko  
Firm: Meridian Environmental CS Hg, LLC

Name and Address of Facility Contact /Owner/Responsible Party

First Name: Ken      Last Name: Shimko

Facility/Firm: Meridian Env. CS Hg.

Street: 2711 N. Elko Rd

City/State/Zip: Fall Creek, WI 54742

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

Signature: [Signature]  
Print Name: Kenneth Shimko  
Firm: Meridian Env. CS Hg, LLC

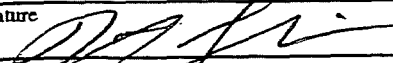
Route To: Watershed/Wastewater  Waste Management   
Remediation/Revelopment  Other

Page 1 of 1

Facility/Project Name <b>Carner Store</b>			License/Permit/Monitoring Number		Boring Number <b>MW-6</b>
Boring Drilled By: Name of crew chief (first, last) and Firm First Name: <b>Joe</b> Last Name: <b>Black</b> Firm: <b>Midwest Eng.</b>			Date Drilling Started <b>5/31/2011</b> m m d d y y y y	Date Drilling Completed <b>5/31/2011</b> m m d d y y y y	Drilling Method <b>HSA</b>
WI Unique Well No.	DNR Well ID No.	Well Name	Final Static Water Level Feet MSL	Surface Elevation Feet MSL	Borehole Diameter inches
Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/> ) or Boring Location <input type="checkbox"/> State Plane _____ N, _____ E			Local Grid Location <input type="checkbox"/> N <input type="checkbox"/> E <input type="checkbox"/> S <input type="checkbox"/> W		
1/4 of _____ 1/4 of Section _____, T _____ N, R _____			Lat _____ Long _____		
Facility ID _____		County <b>Dunn</b>	County Code _____	Civil Town/City/ or Village <b>Ridgeland</b>	

Sample Number and 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	Soil Properties					RQD/ Comments	
									Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200		
			5 10 15	black dirt - grass earth drill			2" PVC →								
				ROB = 14 ft.											

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

Signature  Firm **Meridian Env. CS Inc, LLC**

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Facility/Project Name <b>Corner Stone</b>	Local Grid Location of Well ft. <input type="checkbox"/> N. <input type="checkbox"/> S. <input type="checkbox"/> E. <input type="checkbox"/> W.	Well Name <b>MW-7</b>
Facility License, Permit or Monitoring No.	Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/> ) or Well Location <input type="checkbox"/> Lat. " Long. " or	Wis. Unique Well No. DNR Well ID No.
Facility ID	St. Plane ft. N. ft. E. S/C/N	Date Well Installed <b>6/1/2011</b> m m d d y y y y
Type of Well Well Code <b>1</b>	Section Location of Waste/Source 1/4 of 1/4 of Sec. T. N, R. <input type="checkbox"/> E <input type="checkbox"/> W	Well Installed By: Name (first, last) and Firm <b>Joe Black Midwest Eng.</b>
Distance from Waste/Source ft.	Enf. Stds. Apply <input type="checkbox"/>	Location of Well Relative to Waste/Source u <input type="checkbox"/> Upgradient s <input type="checkbox"/> Sidegradient d <input type="checkbox"/> Downgradient n <input type="checkbox"/> Not Known

- A. Protective pipe, top elevation --- **0** ft. MSL  
 B. Well casing, top elevation --- **-5** ft. MSL  
 C. Land surface elevation --- **0** ft. MSL  
 D. Surface seal, bottom --- **1** ft. MSL or --- **1** ft.

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

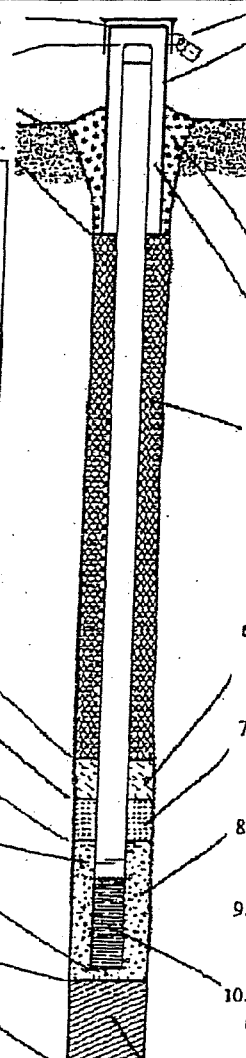
13. Sieve analysis performed?  Yes  No

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

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

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

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



1. Cap and lock?  Yes  No
2. Protective cover pipe:  
 a. Inside diameter: **12** in.  
 b. Length: **1** ft.  
 c. Material: Steel  04  
 Other
- d. Additional protection?  Yes  No  
 If yes, describe: \_\_\_\_\_
3. Surface seal: Bentonite  30  
 Concrete  01  
 Other
4. Material between well casing and protective pipe:  
 Bentonite  30  
 Other
5. Annular space seal: a. Granular/Chipped Bentonite  33  
 b. \_\_\_\_\_ Lbs/gal mud weight ... Bentonite-sand slurry  35  
 c. \_\_\_\_\_ Lbs/gal mud weight ... Bentonite slurry  31  
 d. \_\_\_\_\_ % Bentonite ... Bentonite-cement grout  50  
 e. \_\_\_\_\_ Ft<sup>3</sup> volume added for any of the above  
 f. How installed: Tremie  01  
 Tremie pumped  02  
 Gravity  08
6. Bentonite seal: a. Bentonite granules  33  
 b.  1/4 in.  3/8 in.  1/2 in. Bentonite chips  32  
 c. \_\_\_\_\_ Other
7. Fine sand material: Manufacturer, product name & mesh size  
 a. \_\_\_\_\_  
 b. Volume added \_\_\_\_\_ ft<sup>3</sup>
8. Filter pack material: Manufacturer, product name & mesh size  
 a. \_\_\_\_\_  
 b. Volume added \_\_\_\_\_ ft<sup>3</sup>
9. Well casing: Flush threaded PVC schedule 40  23  
 Flush threaded PVC schedule 80  24  
 Other
10. Screen material: **PVC**  
 a. Screen type: Factory cut  11  
 Continuous slot  01  
 Other   
 b. Manufacturer \_\_\_\_\_  
 c. Slot size: **0.1** in.  
 d. Slotted length: \_\_\_\_\_ ft.
11. Backfill material (below filter pack): None  14  
 Other

- E. Bentonite seal, top --- **2** ft. MSL or --- **2** ft.  
 F. Fine sand, top --- **2** ft. MSL or --- **2** ft.  
 G. Filter pack, top --- **3** ft. MSL or --- **3** ft.  
 H. Screen joint, top --- **4** ft. MSL or --- **4** ft.  
 I. Well bottom --- **14** ft. MSL or --- **14** ft.  
 J. Filter pack, bottom --- **14** ft. MSL or --- **14** ft.  
 K. Borehole, bottom --- **14** ft. MSL or --- **14** ft.  
 L. Borehole, diameter --- **8** in.  
 M. O.D. well casing --- **2** in.  
 N. I.D. well casing --- **2** in.

I hereby certify that the information on this form is true and correct to the best of my knowledge.  
 Signature: *[Signature]* Firm: **Mardian Environmental CS/Eng, 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 <u>Corner Stone</u>	County Name <u>Dunn</u>	Well Name <u>MW-7</u>
Facility License, Permit or Monitoring Number	County Code	DNR Well ID Number

1. Can this well be purged dry?  Yes  No

2. Well development method
- 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

3. Time spent developing well 130 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 1 gal.

7. Volume of water removed from well 10 gal.

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

9. Source of water added \_\_\_\_\_

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

	Before Development	After Development
11. Depth to Water (from top of well casing)	a. <u>5.25</u> ft.	<u>7.50</u> ft.
Date	b. <u>6/1/2011</u> m m d d y y y y	<u>6/1/2011</u> m m d d y y y y
Time	c. _____ : _____ <input type="checkbox"/> a.m. <input type="checkbox"/> p.m.	_____ : _____ <input type="checkbox"/> a.m. <input type="checkbox"/> p.m.

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

13. Water clarity

Clear <input type="checkbox"/> 10	Clear <input type="checkbox"/> 20
Turbid <input checked="" type="checkbox"/> 15	Turbid <input checked="" type="checkbox"/> 25
(Describe)	(Describe)

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: Ken Last Name: Shimko

Firm: Mendian Environmental C/Hg.

17. Additional comments on development:

Name and Address of Facility Contact/Owner/Responsible Party

First Name: Ken Last Name: Shimko

Facility/Firm: Mendian Env. C/Hg.

Street: 2711 N. Elko Rd

City/State/Zip: Fall Creek, WI 54742

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

Signature: [Signature]

Print Name: Kenneth Shimko

Firm: Mendian Env. C/Hg., LLC


Route To:  Watershed/Wastewater  Waste Management   
 Remediation/Revelpment  Other

Page 1 of 1

Facility/Project Name <b>Carner Store</b>		License/Permit/Monitoring Number	Boring Number <b>MW-7</b>
Boring Drilled By: Name of crew chief (first, last) and Firm First Name: <b>Joe</b> Last Name: <b>Black</b> Firm: <b>Midwest Eng.</b>		Date Drilling Started <b>6/1/2011</b> m m d d y y y y	Date Drilling Completed <b>6/1/2011</b> m m d d y y y y
WI Unique Well No.	DNR Well ID No.	Well Name	Drilling Method <b>HSA</b>
Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/> ) or Boring Location <input type="checkbox"/>		Final Static Water Level Feet MSL	Surface Elevation Feet MSL
State Plane N, E		Lat 0' "	Borehole Diameter inches
1/4 of 1/4 of Section T N, R		Long 0' "	Local Grid Location <input type="checkbox"/> N <input type="checkbox"/> E <input type="checkbox"/> S <input type="checkbox"/> W
Facility ID	County <b>Dunn</b>	County Code	Civil Town/City/ or Village <b>Ridgeland</b>

Sample Number and Type	Length At. & 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	Soil Properties					RQD/ Comments			
									Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200				
			3	black dirt - grass													
			5	tan brown fine sand. moist.		4	← 2" PVC →										
			10	light brown fine sand													
			12														
			15	EOB = 14 ft		14											

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

Signature  Firm **Meridian Env. CS Inc, LLC**

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

Facility/Project Name <b>Corner Store</b>	Local Grid Location of Well _____ ft. <input type="checkbox"/> N. _____ ft. <input type="checkbox"/> E. _____ ft. <input type="checkbox"/> S. _____ ft. <input type="checkbox"/> W.	Well Name <b>MW-8</b>
Facility License, Permit or Monitoring No.	Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/> ) or Well Location <input type="checkbox"/>	Wis. Unique Well No. / DNR Well ID No.
Facility ID	Lat. _____ " Long. _____ "	Date Well Installed <b>6/1/2011</b> m m d d y y y y
Type of Well Well Code <b>1</b>	St. Plane _____ ft. N. _____ ft. E. S/C/N	Well Installed By: Name (first, last) and Firm <b>Joe Black Midwest Eng.</b>
Distance from Waste/Source _____ ft.	Section Location of Waste/Source 1/4 of _____ 1/4 of Sec. _____ T. _____ N; R. _____ <input type="checkbox"/> E <input type="checkbox"/> W	
Enf. Stds. Apply <input type="checkbox"/>	Location of Well Relative to Waste/Source u <input type="checkbox"/> Upgradient s <input type="checkbox"/> Sidegradient d <input type="checkbox"/> Downgradient n <input type="checkbox"/> Not Known	
	Gov. Lot Number _____	

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

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

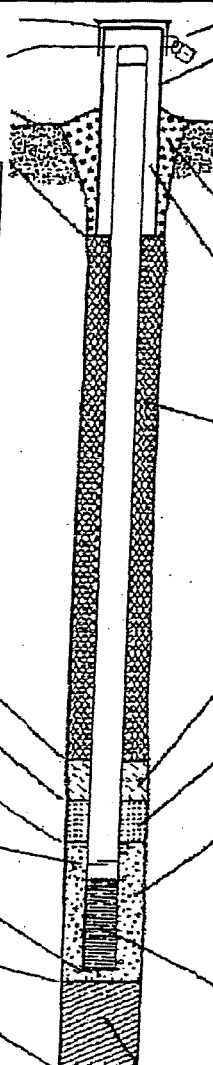
13. Sieve analysis performed?  Yes  No

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

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

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

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



- 1. Cap and lock?  Yes  No
- 2. Protective cover pipe:
  - a. Inside diameter: \_\_\_\_\_ in.
  - b. Length: \_\_\_\_\_ ft.
  - c. Material: Steel  04  
Other
  - d. Additional protection?  Yes  No  
If yes, describe: \_\_\_\_\_
- 3. Surface seal: Bentonite  30  
Concrete  01  
Other
- 4. Material between well casing and protective pipe: Bentonite  30  
Other
- 5. Annular space seal:
  - a. Granular/Chipped Bentonite  33
  - b. \_\_\_\_\_ Lbs/gal mud weight ... Bentonite-sand slurry  35
  - c. \_\_\_\_\_ Lbs/gal mud weight ... Bentonite slurry  31
  - d. \_\_\_\_\_ % Bentonite ... Bentonite-cement grout  50
  - e. \_\_\_\_\_ Ft<sup>3</sup> volume added for any of the above
  - f. How installed: Tremie  01  
Tremie pumped  02  
Gravity  08
- 6. Bentonite seal:
  - a. Bentonite granules  33
  - b.  1/4 in.  3/8 in.  1/2 in. Bentonite chips  32
  - c. \_\_\_\_\_ Other
- 7. Fine sand material: Manufacturer, product name & mesh size  
 a. \_\_\_\_\_  
 b. Volume added \_\_\_\_\_ ft<sup>3</sup>
- 8. Filter pack material: Manufacturer, product name & mesh size  
 a. \_\_\_\_\_  
 b. Volume added \_\_\_\_\_ ft<sup>3</sup>
- 9. Well casing: Flush threaded PVC schedule 40  23  
 Flush threaded PVC schedule 80  24  
 Other
- 10. Screen material: **PVC**  
 a. Screen type: Factory cut  11  
 Continuous slot  01  
 Other   
 b. Manufacturer \_\_\_\_\_  
 c. Slot size: \_\_\_\_\_ in.  
 d. Slotted length: \_\_\_\_\_ ft.
- 11. Backfill material (below filter pack): None  14  
 Other

- E. Bentonite seal, top \_\_\_\_\_ ft. MSL or \_\_\_\_\_ ft.
- F. Fine sand, top \_\_\_\_\_ ft. MSL or \_\_\_\_\_ ft.
- 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 \_\_\_\_\_ in.
- M. O.D. well casing \_\_\_\_\_ in.
- N. I.D. well casing \_\_\_\_\_ in.

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

Signature [Signature] Firm Midwest Environmental CS/Eng, 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/Revelopment  Other

Page 1 of 1

Facility/Project Name <b>Corner Store</b>			License/Permit/Monitoring Number		Boring Number <b>MW-8</b>
Boring Drilled By: Name of crew chief (first, last) and Firm First Name: <b>Joe</b> Last Name: <b>Black</b> Firm: <b>Midwest Eng.</b>			Date Drilling Started <b>6/1/2011</b> m m d d y y y y	Date Drilling Completed <b>6/1/2011</b> m m d d y y y y	Drilling Method <b>HSA</b>
WI Unique Well No.	DNR Well ID No.	Well Name	Final Static Water Level Feet MSL	Surface Elevation Feet MSL	Borehole Diameter inches
Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/> ) or Boring Location <input type="checkbox"/> State Plane <u>        </u> N, <u>        </u> E			Local Grid Location <input type="checkbox"/> N <input type="checkbox"/> E <input type="checkbox"/> S <input type="checkbox"/> W		
1/4 of <u>        </u> 1/4 of Section <u>        </u> , T <u>        </u> N, R <u>        </u>		Facility ID <u>        </u> County <b>Dunn</b> County Code <u>        </u> Civil Town/City/ or Village <b>Ridgeland</b>			

Sample Number and 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	Soil Properties					RQD/ Comments				
									Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200					
			5	black dirt - grass														
			10	tan brown fine sand														
			15	tan medium sand														
				EOB = 14 Ft.														

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

Signature [Signature] Firm **Meridian Env. CS Eng, LLC**

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

Facility/Project Name <u>Corner Stone</u>	County Name <u>Dunn</u>	Well Name <u>MW-8</u>
Facility License, Permit or Monitoring Number	County Code	DNR Well ID Number

1. Can this well be purged dry?  Yes  No

2. Well development method
- 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

3. Time spent developing well 30 min.

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

5. Inside diameter of well 2 in.

6. Volume of water in filter pack and well casing 1 gal.

7. Volume of water removed from well 10 gal.

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

9. Source of water added \_\_\_\_\_

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

17. Additional comments on development:

	Before Development	After Development
11. Depth to Water (from top of well casing)	a. <u>4.65</u> ft.	<u>5.10</u> ft.
Date	b. <u>6/1/2011</u> m m d d y y y y	<u>6/1/2011</u> m m d d y y y y
Time	c. _____ : _____ <input type="checkbox"/> a.m. <input type="checkbox"/> p.m.	_____ : _____ <input type="checkbox"/> a.m. <input type="checkbox"/> p.m.

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

13. Water clarity  
Clear  10 Turbid  15  
(Describe) (Describe)

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: Ken Last Name: Shimko

Firm: Meridian Environmental C.Hg.

Name and Address of Facility Contact/Owner/Responsible Party

First Name: Ken Last Name: Shimko

Facility/Firm: Meridian Env. C.Hg.

Street: 2711 N. Elco Rd

City/State/Zip: Fall Creek, WI 54742

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

Signature: [Signature]

Print Name: Kenneth Shimko

Firm: Meridian Env. C.Hg., LLC

Facility/Project Name <b>Corner Store</b>	Local Grid Location of Well ft. <input type="checkbox"/> N. <input type="checkbox"/> S. <input type="checkbox"/> E. <input type="checkbox"/> W.	Well Name <b>PZ-1</b>
Facility License, Permit or Monitoring No.	Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/> ) or Well Location <input type="checkbox"/> Lat. _____ "Long. _____ " or	Wis. Unique Well No. _____ DNR Well ID No. _____
Facility ID	St. Plane _____ ft. N. _____ ft. E. S/C/N	Date Well Installed <b>6/1/2011</b> m m d d y y y y
Type of Well	Section Location of Waste/Source 1/4 of _____ 1/4 of Sec. _____ T. _____ N. R. <input type="checkbox"/> E <input type="checkbox"/> W	Well Installed By: Name (first, last) and Firm <b>Joe Black</b>
Well Code _____	Location of Well Relative to Waste/Source u <input type="checkbox"/> Upgradient s <input type="checkbox"/> Sidegradient d <input type="checkbox"/> Downgradient n <input type="checkbox"/> Not Known	Gov. Lot Number _____
Distance from Waste/Source _____ ft.	Enf. Stds. Apply <input type="checkbox"/>	<b>Midwest Eng.</b>

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

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

13. Sieve analysis performed?  Yes  No

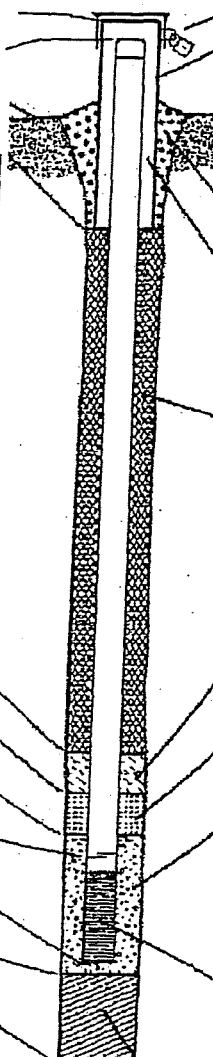
14. Drilling method used: Rotary  50  
 Hollow Stem Auger  41  
 Other

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

16. Drilling additives used?  Yes  No

Describe \_\_\_\_\_

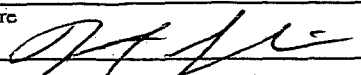
17. Source of water (attach analysis, if required):  
 \_\_\_\_\_



- 1. Cap and lock?  Yes  No
- 2. Protective cover pipe:
  - a. Inside diameter: **12** in.
  - b. Length: **1** ft.
  - c. Material: Steel  04  
Other
  - d. Additional protection?  Yes  No  
If yes, describe: \_\_\_\_\_
- 3. Surface seal: Bentonite  30  
Concrete  01  
Other
- 4. Material between well casing and protective pipe: Bentonite  30  
Other
- 5. Annular space seal:
  - a. Granular/Chipped Bentonite  33
  - b. \_\_\_\_\_ Lbs/gal mud weight... Bentonite-sand slurry  35
  - c. \_\_\_\_\_ Lbs/gal mud weight... Bentonite slurry  31
  - d. \_\_\_\_\_ % Bentonite... Bentonite-cement grout  50
  - e. \_\_\_\_\_ Ft<sup>3</sup> volume added for any of the above
  - f. How installed: Tremie  01  
Tremie pumped  02  
Gravity  08
- 6. Bentonite seal:
  - a. Bentonite granules  33
  - b.  1/4 in.  3/8 in.  1/2 in. Bentonite chips  32
  - c. \_\_\_\_\_ Other
- 7. Fine sand material: Manufacturer, product name & mesh size  
a. \_\_\_\_\_  
b. Volume added \_\_\_\_\_ ft<sup>3</sup>
- 8. Filter pack material: Manufacturer, product name & mesh size  
a. \_\_\_\_\_  
b. Volume added \_\_\_\_\_ ft<sup>3</sup>
- 9. Well casing: Flush threaded PVC schedule 40  23  
Flush threaded PVC schedule 80  24  
Other
- 10. Screen material: **PVC**
  - a. Screen type: Factory cut  11  
Continuous slot  01  
Other
  - b. Manufacturer \_\_\_\_\_
  - c. Slot size: \_\_\_\_\_ 0. \_\_\_\_\_ in.
  - d. Slotted length: \_\_\_\_\_ ft.
- 11. Backfill material (below filter pack): None  14  
Other

- E. Bentonite seal, top \_\_\_\_\_ ft. MSL or **20** ft.
- F. Fine sand, top \_\_\_\_\_ ft. MSL or **22** ft.
- G. Filter pack, top \_\_\_\_\_ ft. MSL or **23** ft.
- H. Screen joint, top \_\_\_\_\_ ft. MSL or **25** ft.
- I. Well bottom \_\_\_\_\_ ft. MSL or **30** ft.
- J. Filter pack, bottom \_\_\_\_\_ ft. MSL or **30** ft.
- K. Borehole, bottom \_\_\_\_\_ ft. MSL or **30** ft.
- L. Borehole, diameter **8** in.
- M. O.D. well casing **2** in.
- N. I.D. well casing **2** in.

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

Signature  Firm **Manitowish Environmental Consulting, LLC**

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

Route To:  Watershed/Wastewater  Waste Management   
 Remediation/Revelopment  Other

Page 1 of 1

Facility/Project Name <b>Corner Store</b>			License/Permit/Monitoring Number		Boring Number <b>P7-1</b>		
Boring Drilled By: Name of crew chief (first, last) and Firm First Name: <b>Joe</b> Last Name: <b>Black</b> Firm: <b>Midwest Eng.</b>			Date Drilling Started <b>5/31/2011</b> m m / d d / y y y y		Date Drilling Completed <b>5/31/2011</b> m m / d d / y y y y		
WI Unique Well No.		DNR Well ID No.		Well Name		Final Static Water Level Feet MSL	
Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/> ) or Boring Location <input type="checkbox"/>		State Plane <u>      </u> N, <u>      </u> E		Lat <u>      </u> ° <u>      </u> ' <u>      </u> "		Local Grid Location <input type="checkbox"/> N <input type="checkbox"/> E <input type="checkbox"/> S <input type="checkbox"/> W	
1/4 of <u>      </u> 1/4 of Section <u>      </u> , T <u>      </u> N, R <u>      </u>		Long <u>      </u> ° <u>      </u> ' <u>      </u> "		Feet <u>      </u> Feet <u>      </u>		Borehole Diameter inches	
Facility ID		County <b>Dunn</b>		County Code		Civil Town/City/ or Village <b>Ridgeland</b>	

Sample Number and 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	Soil Properties					RQD/ Comments				
									Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200					
			0	black dirt - grass														
			1	tan fine sand.														
			2	same														
			30															

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

Signature *[Signature]* Firm Meridian Env. CS Inc, LLC

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



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

Facility/Project Name <u>Corner Store</u>	County Name <u>Dunn</u>	Well Name <u>PZ-1</u>
Facility License, Permit or Monitoring Number	County Code	Wis. Unique Well Number
		DNR Well ID Number

1. Can this well be purged dry?  Yes  No

2. Well development method
- 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

3. Time spent developing well 30 min.

4. Depth of well (from top of well casing) 30 ft.

5. Inside diameter of well 2 in.

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

7. Volume of water removed from well 10 gal.

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

9. Source of water added \_\_\_\_\_

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

17. Additional comments on development:

11. Depth to Water (from top of well casing)

	Before Development	After Development
a.	<u>3 87</u> ft.	<u>4 30</u> ft.

Date b. 6/1/2011 6/1/2011  
m m d d y y y y m m d d y y y y

Time c. \_\_\_\_\_ : \_\_\_\_\_  a.m. \_\_\_\_\_ : \_\_\_\_\_  p.m.

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

13. Water clarity  
Clear  10 Turbid  20  
Turbid  15 Turbid  25  
(Describe) (Describe)

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: Ken Last Name: Shimko

Firm: Meridian Environmental CS Hg.

Name and Address of Facility Contact/Owner/Responsible Party

First Name: Ken Last Name: Shimko

Facility/Firm: Meridian Env. CS Hg.

Street: 2711 N. Elmo Rd

City/State/Zip: Fall Creek, WI  
54742

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

Signature: [Signature]  
Print Name: Kenneth Shimko

Firm: Meridian Env. CS Hg., LLC

**APPENDIX D**  
**POTABLE WELL LOGS**

**WISCONSIN UNIQUE WELL NUMBER**  
**Source: WELL CONSTRUCTION** **MY574**

Property Owner **MOCH, CRAIG/THE CORNER STORE** Telephone Number **715 -949-1230**

Mailing Address **HWY 25**

City **RIDGELAND** State **WI** Zip Code **54763**

County of Well Location **17 DUNN** Co Well Permit No **W** Well Completion Date **May 3, 1999**

State of Wi-Private Water Systems-DG/2  
 Department Of Natural Resources, Box 7921  
 Madison, WI 53707

Form 3300-77A  
 (Rev 02/02)bw

**1. Well Location** Depth **39** FT

T=Town C=City V=Village  
**T of WILSON** Fire#

Street Address or Road Name and Number  
**HWY 25**

Subdivision Name Lot# Block#

Well Constructor **DAVID M BEECROFT** License # **6242** Facility ID (Public) **617055120**

Address **3142 15TH ST** Public Well Plan Approval#

City **FREDERIC** State **WI** Zip Code **54837** Date Of Approval

Hicap Permanent Well # Common Well # Specific Capacity **.5** gpm/ft

Gov't Lot or **SW 1/4 of NE 1/4 of Section 6 T 31 N;R 12 W**

Latitude Deg. **45** Min. **12.2059**  
 Longitude Deg **91** Min. **53.6913**

**2. Well Type 2** (See item 12 below) Lat/Long Method **GPS003**

1=New 2=Replacement 3=Reconstruction  
 of previous unique well # **GV393** constructed in

**3. Well Serves # of homes and or GAS STATION**

**N** (eg: barn, restaurant, church, school, industry, etc.) High Capacity: Well? **N** Property? **N**

M=Munic O=OTM N=NonCom P=Private Z=Other X=NonPot A=Anode L=Loop H=Drillhole

Reason for replaced or reconstructed Well?  
**OLD WELL TO CLOSE TO FUEL**

**1** 1=Drilled 2=Driven Point 3=Jetted 4=Other

- 4. Is the well located upslope or sideslope and not downslope from any contamination sources, including those on neighboring properties? Y**
- Well located in floodplain? **N**  
 Distance in feet from well to nearest: (including proposed)
- 1. Landfill
  - 25 2. Building Overhang
  - 3. 1=Septic 2= Holding Tank
  - 4. Sewage Absorption Unit
  - 5. Nonconforming Pit
  - 6. Buried Home Heating Oil Tank
  - 105 7. Buried Petroleum Tank
  - 8. 1=Shoreline 2= Swimming Pool
  - 9. Downspout/ Yard Hydrant
  - 10. Privy
  - 11. Foundation Drain to Clearwater
  - 12. Foundation Drain to Sewer
  - 13. Building Drain  
 1=Cast Iron or Plastic 2=Other
  - 50 14. Building Sewer 2 1=Gravity 2=Pressure  
 2 1=Cast Iron or Plastic 2=Other
  - 15. Collector Sewer: \_\_\_ units \_\_\_ in. diam.
  - 16. Clearwater Sump
  - 17. Wastewater Sump
  - 18. Paved Animal Barn Pen
  - 19. Animal Yard or Shelter
  - 20. Silo
  - 21. Barn Gutter
  - 22. Manure Pipe 1=Gravity 2=Pressure  
 1=Cast iron or Plastic 2=Other
  - 23. Other manure Storage
  - 24. Ditch
  - 1225. Other NR 812 Waste Source

**5. Drillhole Dimensions and Construction Method**

From	To	Upper Enlarged Drillhole	Lower Open Bedrock
Dia.(in.)	(ft)	(ft)	
6.0	surface	39	

- 1. Rotary - Mud Circulation \_\_\_\_\_  
 - 2. Rotary - Air \_\_\_\_\_  
 - 3. Rotary - Air and Foam \_\_\_\_\_  
 - 4. Drill-Through Casing Hammer \_\_\_\_\_  
 - 5. Reverse Rotary \_\_\_\_\_  
 X - 6. Cable-tool Bit 6 n. dia \_\_\_\_\_  
 - 7. Temp. Outer Casing     in. dia.     depth ft. Removed? \_\_\_\_\_  
 Other \_\_\_\_\_

**8. Geology**

Geology Codes	Type, Caving/Noncaving, Color, Hardness, etc	From (ft.)	To (ft.)
<u>C</u> CLAY		0	3
<u>S</u> SAND		3	25
<u>Y</u> SAND & GRAVEL		25	39

**6. Casing Liner Screen**

Dia. (in.)	Material, Weight, Specification	From (ft.)	To (ft.)
6.0	IPSCO BLACK STEEL ASTM A-53 18.97 .280 WALL WELDED	surface	34

Dia.(in.)	Screen type, material & slot size	From (ft.)	To (ft.)
4.0	TELESCOPE STAINLESS 20 SLOT	34	39

**9. Static Water Level**  
**4.0** feet **B** ground surface  
 A=Above B=Below

**11. Well Is:** 24 in. A Grade  
 A=Above B=Below

**10. Pump Test**  
 Pumping level **24.0** ft. below surface  
 Pumping at **10.0** GP M **1.0** Hrs

Developed? **Y**  
 Disinfected? **Y**  
 Capped? **Y**

**7. Grout or Other Sealing Material**

Method	From (ft.)	To (ft.)	# Sacks Cement
Kind of Sealing Material	surface		

**12. Did you notify the owner of the need to permanently abandon and fill all unused wells on this property? Y**  
 If no, explain

**13. Initials of Well Constructor or Supervisory Driller** **DMB** Date Signed **5/3/99**

Initials of Drill Rig Operator (Mandatory unless same as above) Date Signed

Additional Comments? Variance Issued?  
 Owner Sent Label? **Y** More Geology?

WELL NO. 2, SANNA DAIRIES, RIDGELAND, WIS.

Mead, Ward and Hunt, Engineers Milaeger Well Drilling Co.,  
 NW, SE, NW, NE, NE 1/4 sec. 6, T. 31 N., R. 12 W. Contractors, 1946  
 Samples examined by F. T. Thwaites, Nos. 127059-127126

(OTS'ETM)

D R I	45	0-20	20		Drift, no samples	18" water 24" pipe 16" pipe cemented 46
		20-45	25		Gravel, glacial, very sandy	
E A U C L A I R E	245	45-65	20		Sandstone, silty to fine, light gray, dolomitic	51  15" hole    200    12" hole
		65-90	25		Sandstone, medium to silty, light gray	
		90-100	10		Sandstone, medium-coarse to fine, lt. gray	
		100-110	10		Sandstone, coarse to medium, very lt. gray	
		110-140	30		Sandstone, medium-coarse to fine, light gray	
		140-160	20		Sandstone, medium to fine, gray	
		160-180	20		Sandstone, silty to fine, gray	
		180-195	15		Shale, silty, gray	
		195-205	10		Sandstone, silty to medium, gray	
		205-210	5		Shale, gray	
		210-230	20		Sandstone, medium to silty, light gray	
		230-240	10		Siltstone, sandy, light gray	
		240-250	10		Sandstone, silty to medium, light gray	
		250-270	20		Sandstone, medium to fine, gray	
		270-275	5		Sandstone, coarse to medium, gray	
275-285	10		Sandstone, medium to silty, light gray			
285-290	5		Shale, silty, light gray			
M T	70	290-315	25		Sandstone, fine to coarse, white	
		315-320	5		Sandstone, silty to fine, white	
		320-335	15		Sandstone, fine to medium, white	
S	70	335-360	25		Sandstone, medium to fine, light gray	

Formations: Drift; Eau Claire; Mt. Simon

Tested at 800 g.p.m. specific capacity = 14 g.p.m./ft.