Meridian Environmental Consulting, LLC

July 20, 2017

Aaron Kent
Wisconsin Department of Natural Resources
1300 West Clairemont Avenue
Eau Claire, Wisconsin 54701

Subject: **Soil and Ground Water Investigation Report**
Julson Store (former)
W125 County Road Z
Mondovi, Wisconsin
PECFA No. 54755-9999-25
DNR BRRTS No. 03-06-001296
Meridian No. 05F823

Dear Aaron:

This report summarizes Site Investigation work conducted at the above referenced site. Based on the findings of the Site Investigation, we recommend a Remedial Excavation be completed this fall. Additional monitoring wells and ground water sampling will be installed after the excavation is completed. The site will then be monitored to Closure with GIS Registry for Soil and Ground Water.

The remainder of this report documents the site investigation work completed to date. Our recommendations are provided at the end of the report.

BACKGROUND INFORMATION

Site Description and History

The site is a vacant lot approximately 1 acre in size located at the southeast corner of the intersection of County Highway Z and County Highway BB in Dover Township, Buffalo County, Wisconsin (NE1/4, SE1/4, Sec. 2, Range 10 West, Township 23 North)(Figures 1 and 2). It is bordered by Hwy. Z on the north, Hwy. BB on the west, a small stream on the east, and a farm pasture to the south (Figure 3).

The site formerly had a small country store which sold gasoline as well as other products. A small (300 gallon) underground tank which stored gasoline was located at the northeast corner of the building. The age of the tank is unknown. The store was in operation in the mid-1900's (1940's– 1970??). It closed in the late 1960's – early 1970's. The building burned down in the 1970's (?). A small building (vacant) remains along the southern property boundary.

There are overhead electric lines along the roadways. Fiber optic cables are buried along the north and western edge of the property in the road right of way of CTH Z and BB.

Underground Storage Tank

The underground storage tank was removed September 20, 1994. The tank inspector report is provided in Appendix A. According to the inspection report, the tank had a hole and petroleum impacts were observed in the soil. The release was reported to the DNR September 20, 1994.

No further environmental work was completed at the site.

Regional Setting

The area is characterized by valleys and ridges typical of Buffalo County. Bedrock in the area is composed of Cambrian sandstones. Farming is the predominant activity in the area including crop farming, cattle, and some dairy.

Local drainage is provided by Elk Creek which flows westerly down Bennett Valley (Figure 1) with eventual discharge into the Buffalo River about 8 miles west of the site.

The former Julson Store property is located along the south side of Bennett Valley (Figure 1). The small creek which forms the eastern boundary of the property flows northerly to Elk Creek.

The Buffalo County Highway Department regraded the northern edge of the property to control surface water runoff during highway improvements several years ago.

Potable Wells

Area residents utilize private wells for their water supply. Well construction forms from nearby wells are provided in Appendix B. The forms indicate area wells are drilled into the sandstone bedrock and utilize the sandstone aquifer for water supply. Typical water levels are 30 – 40 feet below grade (depending upon topographic elevation).

There is a water supply well located on the property (Figure 3). The well is a 4-inch diameter steel casing about 30 feet deep. The well is completed at grade without a cover. This well is considered Non-Potable at this time. Meridian installed a temporary plug; this well should either be capped or abandoned.

SITE INVESTIGATION

Soil Borings and Soil Sampling

Six soil borings (GP-1 thru GP-6) were installed June 12, 2017 in the locations shown on Figure 4. The borings were installed with a Geoprobe. The soil boring logs are provided in Appendix C.

Soil samples from selected intervals were submitted for laboratory analysis (PVOC + Naphthalene). The laboratory report is provided in Appendix D and the results are summarized in Table 1.

Petroleum impacts were measured in the borings GP-1 and GP-6. The property owner was present onsite during the drilling and helped estimate the approximate location of the former tank. Boring GP-1 appears to be in the former tank location. Building debris (e.g., brick) was encountered in the boring.

The soils are sandy with varying amounts of silt. Some fill material (cement, bricks) was found in the former tank/building area. A layer of organic topsoil (peat) was found about 3 feet below grade in GP-6.

The soil borings did not encounter bedrock but based on area well logs, sandstone bedrock is likely within 20 feet of grade.

Ground water was encountered within 10 feet of grade in all borings.

Ground Water Sampling

Temporary monitoring wells (T-1, T-3, T-4) were installed in GP-1, GP-3, and GP-4. The well construction forms are provided in Appendix C.

Ground water samples were collected from the temporary monitoring wells June 15, 2017. The samples were analyzed for PVOC+Naphthalene. The analytical report is provided in Appendix D and summarized in Table 2.

The temporary well elevations were surveyed June 15, 2017 during the sampling event. The depth to ground water was measured in each temporary well. The measurements and ground water levels are summarized in Table 3.

Free-phase petroleum (3 inches) was measured in T-1 during the June 15, 2017 sampling event.

Evaluation of Site Investigation Data

Hydrogeology

The site is underlain by sandy soils. Figure 5 is a cross-section illustrating the site geology. Ground water was measured about 10 feet below grade. Flow is to the north based on the water level measurements from the temporary wells. The water level measured in T-1 was affected by the 3 inches of free product measured.

Extent of Soil Contamination

The horizontal extent of impacted soil is estimated as shown on Figure 6. The vertical extent of impacted soil is estimated as shown in Figure 5.

Extent of Ground Water Contamination

The downgradient extent of ground water contamination is not defined with the temporary monitoring wells. The lateral extent appears to be limited to the former tank basin area.

A plume of contaminated ground water likely extends to the north beneath CTH Z (Figure 7). More monitoring wells should be installed to determine the lateral and vertical extent of impacted ground water.

CONCLUSIONS

- The site is underlain by sandy soils with varying degrees of silt.
- Ground water is found within 10 feet of grade. Ground water flow appears to be northerly consistent with expectations.
- There is impacted soil in the former tank area. The horizontal extent of the impacted soil appears to be limited to the former tank area with some impacts likely extending north beneath CTH Z. The impacted soil is found about 5 feet below grade to about 15 feet below grade.
- The ground water is impacted with petroleum in the former tank basin. The impacts produced free-phase petroleum floating on the water table in T-1. The horizontal and vertical extent of contaminated ground water is estimated but should be confirmed with a monitoring well network (2-inch monitoring wells in compliance with NR141).

RECOMMENDATIONS

- The impacted soil should be excavated. The excavation is estimated to be as shown in Figure 8 to a depth of about 15 feet (estimated 650 tons). Clean overburden soils should be set aside and used as backfill. The excavated soils will be disposed at the Eau Claire landfill. Up to 8 confirmation samples will be collected from the sidewalls of the excavation (3 ft depth).

- Subsequent to the remedial excavation, a monitoring well network should be installed in compliance with NR141. Figure 9 illustrates the proposed monitoring well network. A piezometer (screened 25 – 30 ft below grade) should be nested with the downgradient (northern) well.

- The wells' elevations and locations will be surveyed relative to each other. A USGS benchmark may exist near the site (see Figure 1). If this benchmark can be located, the monitoring well network will be surveyed relative to this elevation.

- After the monitoring wells are installed, the hydraulic conductivity should be measured with slug tests. We recommend three monitoring wells and one piezometer be tested.

- The monitoring well network and the onsite well should be sampled for PVOC+Naphthalene quarterly for two quarters. The ground water levels will be measured during each sampling event. Additional monitoring wells may be needed based on these results and ground water flow measurements.

- A letter report will be prepared summarizing the work completed and recommending additional work needed to achieve Closure with GIS Registry for Soil and Ground Water.

CHANGE ORDER

A Change Order for the recommended work is included with this report. The U&C Cost Schedule was used to provide an estimate of the costs for the proposed work. The subcontractor costs for the soil excavation will be competitively bid after DNR staff review of the proposed work.

SCHEDULE

The remedial excavation should be completed this fall to allow this site to Close within the remaining time that PECFA will be available.

Sincerely,
MERIDIAN ENVIRONMENTAL CONSULTING, LLC

Kenneth Shimko, PG
Project Manager

CHANGE ORDER

Usual and Customary Standardized Invoice #22
July 2017 - December 2017

RR-083A

PECFA #: 54755-9999-25
BRRT's #: 03-06-001296
Site Name: Julson Store (former)
Site Address: W125 CTH Z, Mondovi

Vendor Name: Change Order
Invoice #: Change Order
Invoice Date: July 2017
Check #: Change Order

U&C Total $ 59,892.14
Variance to U&C Total $ -
Grand Total $ 59,892.14

TASK	TASK DESCRIPTION	SERVICES	ACTIVITY CODE	ACTIVITY REFERENCE CODE DESCRIPTION	UNIT	MAX UNIT COST	UNITS	TOTAL MAX
Abandon 3 temp wells and replace with 5 MWs (15 ft deep) and 1 piezometer (30 ft deep). Survey. Sample two quarters (PVOC+Naph)(5 MW + 1 pz + onsite well x 2 qtrs = 14 samples). Hydraulic conductivity tests (3 MWs and 1 piezometer). Permit from Buffalo County to install wells in ROW. Waste disposal (soil and purge water). Letter Report.								
1	GW Sampling		GS05	Sample Collection	Well	$ 72.45	14	$ 1,014.30
1	GW Sampling		GS25	Primary Mob/Demob	Site	$ 628.11	2	$ 1,256.22
1	GW Sampling		GS30	Temporary Well Abandonment	Well	$ 26.99	3	$ 80.97
4	Waste Disposal	Consultant	WD05	Consultant Coordination **(1 - soil, 1 - purge water)**	Site	$ 137.13	2	$ 274.26
4	Waste Disposal	Commodity	WD10	GW Sample and/or Purge	Drum	$ 42.11	2	$ 84.22
4	Waste Disposal	Commodity	WD15	Drill Cuttings	Drum	$ 108.15	7	$ 757.05
4	Waste Disposal	Commodity	WD17	Landfill Environmental Fee (provide documentation)	ACTUAL COST			$ 100.00
4	Waste Disposal	Commodity	WD25	Primary Mob/Demob **(1 - soil, 1-purge water)**	Site	$ 287.70	2	$ 575.40
6	Letter Report/Addendum		LRA05	Letter Report/Addendum	Letter	$ 1,039.29	1	$ 1,039.29
10	Initial Site Survey	Consultant	IS10	Subsequent Surveys	Well	$ 110.15	6	$ 660.90
13.a	Drilling In Unconsolidated Soils - With Soil Sampling	Consultant	DR05	0 - 25 ft bgs	Ft	$ 5.40	100	$ 540.00
13.a	Drilling In Unconsolidated Soils - With Soil Sampling	Consultant	DR10	26 - 50 ft bgs	Ft	$ 5.67	5	$ 28.35
13.a	Drilling In Unconsolidated Soils - With Soil Sampling	Consultant	DR20	Primary Mob/Demob	Site	$ 593.04	1	$ 593.04
13.d	Drilling In Unconsolidated Soils - With Soil Sampling	Commodity	DR45	0 - 25 ft bgs	Ft	$ 16.70	100	$ 1,670.00
13.d	Drilling In Unconsolidated Soils - With Soil Sampling	Commodity	DR50	26 - 50 ft bgs	Ft	$ 18.38	5	$ 91.90
14	Monitoring Well Installation	Consultant	MWI05	0 - 25 ft bgs	Ft	$ 3.89	100	$ 389.00
14	Monitoring Well Installation	Consultant	MWI10	26 - 75 ft bgs	Ft	$ 2.73	5	$ 13.65
14	Monitoring Well Installation	Commodity	MWI15	2 inch PVC Casing	Ft	$ 16.70	105	$ 1,753.50
14	Monitoring Well Installation	Commodity	MWI20	Well Development	Well	$ 147.63	6	$ 885.78
15	Misc. Drilling Activities & Supplies		MDT05	Drill Rig Mob/Demob	Mob/Demob	$ 963.38	1	$ 963.38
15	Misc. Drilling Activities & Supplies		MDT10	Well Cover/flushmount	Each	$ 202.65	6	$ 1,215.90
15	Misc. Drilling Activities & Supplies		MDT25	Commodity Service Provider Per Diem (drilling and direct push)	Person	$ 203.28	2	$ 406.56
19	Hydraulic Conductivity Testing		HCT05	Hydraulic Conductivity Testing	Well	$ 58.59	4	$ 234.36
19	Hydraulic Conductivity Testing		HCT10	Primary Mob/Demob	Site	$ 652.79	1	$ 652.79
20	Soil Boring/Monitoring Well Permits		SBMWP05	Soil Boring/Monitoring Well Permit	Permit	$ 246.12	1	$ 246.12
20	Soil Boring/Monitoring Well Permits		SBMWP10	Permit Fee (copy of permit & fee receipt required)	Permit Fee			
Excavate 650 tons of contaminated soil (clean overburden set aside for backfill). This task will be competively Bid.								
24	Limited Soil Excavation	Consultant	LSE05	Consultant Oversight for Limited Soil Excavation	Ton	$ 4.94	650	$ 3,211.00
24	Limited Soil Excavation	Consultant	LSE10	Primary Mob/Demob	Site	$ 831.92	1	$ 831.92
24	Limited Soil Excavation	Commodity	LSE13	Laboratory (see task 24 total on Lab Schedule)	Lab Schedule		8	$ 288.16
24	Limited Soil Excavation	Commodity	LSE15	Limited Soil Excavation	Ton	$ 60.00	650	$ 39,000.00
24	Limited Soil Excavation	Commodity	LSE16	Landfill Environmental Fee (provide documentation)	ACTUAL COST	*see drill cuttings coord task above)*		
31	Consultant Overnight Per Diem		COPD05	Overnight (Well Install - 1 overnight, Excavation - 1 overnight	Night	$ 113.72	2	$ 227.44
33	Schedule Of Laboratory Maximums	Commodity		Laboratory (see task 33 total on Lab Schedule)	Lab Schedule		14	$ 424.90
36	Change Order Request		COR05	Change Order Request (cost cap exceedance requests)	Change Order	$ 381.78	1	$ 381.78
Variance								
Variance								

Usual and Customary Standardized Invoice #22
July 2017 - December 2017

RR-083A

TOTAL LAB CHARGES	######	TASK 33	14	######	TASK 24	8	$288.16

MATRIX	REF CODE	REIMBURSABLE ANALYTE	UNITS	MAX COST	SAMPLES	TOTAL	MAX COST	SAMPLES	TOTAL
AIR	A1	Benzene	SAMPLE	$ 44.94		$ -			
AIR	A2	BETX	SAMPLE	$ 49.46		$ -			
AIR	A3	GRO	SAMPLE	$ 46.10		$ -			
AIR	A4	VOC's	SAMPLE	$ 71.93		$ -			
WATER	W1	GRO/PVOC	SAMPLE	$ 29.19		$ -			
WATER	W2	PVOC	SAMPLE	$ 26.99		$ -			
WATER	W3	PVOC + 1,2 DCA	SAMPLE	$ 43.79		$ -			
WATER	W4	PVOC + Naphthalene	SAMPLE	$ 30.35	14	$ 424.90			
WATER	W5	VOC	SAMPLE	$ 71.93		$ -			
WATER	W6	PAH	SAMPLE	$ 72.98		$ -			
WATER	W7	Lead	SAMPLE	$ 12.39		$ -			
WATER	W8	Cadmium	SAMPLE	$ 13.55		$ -			
WATER	W9	Hardness	SAMPLE	$ 12.39		$ -			
WATER	W10	BOD, Total	SAMPLE	$ 23.63		$ -			
WATER	W11	Nitrate	SAMPLE	$ 11.24		$ -			
WATER	W12	Total Kjeldahl	SAMPLE	$ 20.27		$ -			
WATER	W13	Ammonia	SAMPLE	$ 16.91		$ -			
WATER	W14	Sulfate	SAMPLE	$ 10.19		$ -			
WATER	W15	Iron	SAMPLE	$ 10.19		$ -			
WATER	W16	Manganese	SAMPLE	$ 10.19		$ -			
WATER	W17	Alkalinity	SAMPLE	$ 10.19		$ -			
WATER	W18	methane	SAMPLE	$ 46.10		$ -			
WATER	W19	Phosphorous	SAMPLE	$ 18.06		$ -			
WATER	W20	VOC Method 524.2	SAMPLE	$ 176.30		$ -			
WATER	W21	EDB Method 504	SAMPLE	$ 95.45		$ -	MAX COST	SAMPLES	TOTAL
SOILS	S1	GRO	SAMPLE	$ 24.78		$ -	$ 24.78		$ -
SOILS	S2	DRO	SAMPLE	$ 30.35		$ -	$ 30.35		$ -
SOILS	S3	GRO/PVOC	SAMPLE	$ 28.14		$ -	$ 28.14		$ -
SOILS	S4	PVOC	SAMPLE	$ 25.83		$ -	$ 25.83		$ -
SOILS	S5	PVOC + 1,2 DCA + Naphthalene	SAMPLE	$ 49.46		$ -	$ 49.46		$ -
SOILS	S6	PVOC + Naphthalene	SAMPLE	$ 36.02		$ -	$ 36.02	8	$ 288.16
SOILS	S7	VOC	SAMPLE	$ 71.93		$ -	$ 71.93		$ -
SOILS	S8	SPLP Extraction VOC only	SAMPLE	$ 50.61		$ -	$ 50.61		$ -
SOILS	S9	PAH	SAMPLE	$ 72.98		$ -	$ 72.98		$ -
SOILS	S10	Lead	SAMPLE	$ 12.39		$ -	$ 12.39		$ -
SOILS	S11	Cadmium	SAMPLE	$ 14.60		$ -		TASK 24 TOTAL	$ 288.16
SOILS	S12	Free Liquid	SAMPLE	$ 11.24		$ -			
SOILS	S13	Flash Point	SAMPLE	$ 25.83		$ -			
SOILS	S14	Grain Size - dry	SAMPLE	$ 42.74		$ -			
SOILS	S15	Grain Size - wet	SAMPLE	$ 57.33		$ -			
SOILS	S16	Bulk Density	SAMPLE	$ 13.55		$ -			
SOILS	S17	Permeability	SAMPLE	$ 41.58		$ -			
SOILS	S18	Nitrogen as Total Kjeldahl	SAMPLE	$ 20.27		$ -			
SOILS	S19	Nitrogen as Ammonia	SAMPLE	$ 16.91		$ -			
SOILS	S20	% Organic Matter	SAMPLE	$ 29.19		$ -			
SOILS	S21	TOC as NPOC	SAMPLE	$ 57.33		$ -			
SOILS	S22	Soil Moisture Content	SAMPLE	$ 6.83		$ -			
SOILS	S23	Air Filled Porosity	SAMPLE	$ 25.83		$ -			
SOILS	S24	% Total Solids	SAMPLE	$ 6.83		$ -			
SOILS	S25	Field Capacity	SAMPLE	$ 28.14		$ -			
SOILS	S26	TCLP Lead	SAMPLE	$ 83.16		$ -			
SOILS	S27	Cation Exchange (Ca, MG, & K)	SAMPLE	$ 26.99		$ -			
SOILS	S28	TCLP Cadmium	SAMPLE	$ 83.16		$ -			
SOILS	S29	TCLP Benzene	SAMPLE	$ 83.16		$ -			
LNAPL	LFPS01	Viscosity + Density Interfacial tension I (LNAPL/water [dyne/cm]) Interfacial tension II (LNAPL/air [dyne/cm]) Interfacial tension III (water/air) [dyne/cm])	SAMPLE	$ 561.33		$ -			
					TASK 33 TOTAL	$ 424.90			

TABLES

Table 1: Soil Analytical Data

Julson Store (Former)
Dover Township/Buffalo County
Meridian No. 05F823

Sample	Benzene	Ethylbenzene	MTBE	Naphthalene	Toluene	1,2,4-TMB	1,3,5-TMB	Total TMB	m&p-Xylene	o-Xylene	Xylene (Total)
NTEDC	1600	8020	63800	5520	818000	219000	182000				260000
RCL-gw	5.1	1570	27	658.2	1107.2			1382			3960
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
1: 3-4	<25	<25	<25	<25	<25	<25	<25	<50	<50	<25	<75
1: 7-8	**1880**	**58800**	**1520J**	**21100**	**5560**	**163000**	**121000**	**41700**	**189000**	**4160**	**193000**
1: 11-12	**4620**	**44700**	**1850**	**13200**	**11600**	**112000**	**83100**	**29300**	**143000**	**3500**	**146000**
1: 15-16	<25	**36.6**	<25	<25	<25	**33.2**	<25	<50	**109**	<25	109
2: 3-4	<25	<25	<25	<25	<25	<25	<25	<50	<50	<25	<75
2: 7-8	<25	<25	<25	<25	<25	<25	<25	<50	<50	<25	<75
2: 11-12	<25	<25	<25	<25	<25	<25	<25	<50	<50	<25	<75
3: 3-4	<25	<25	<25	<25	<25	<25	<25	<50	<50	<25	<75
3: 7-8	<25	<25	<25	<25	<25	<25	<25	<50	<50	<25	<75
3: 11-12	<25	<25	<25	<25	<25	<25	<25	<50	<50	<25	<75
4: 3-4	<25	<25	<25	<25	<25	<25	<25	<50	<50	<25	<75
4: 7-8	<25	<25	<25	<25	<25	<25	<25	<50	<50	<25	<75
4: 11-12	<25	<25	<25	<25	<25	<25	<25	<50	<50	<25	<75
5: 3-4	<25	<25	<25	<25	<25	<25	<25	<50	<50	<25	<75
5: 7-8	<25	<25	<25	<25	<25	<25	<25	<50	<50	<25	<75
5: 11-12	<25	<25	<25	<25	<25	<25	<25	<50	<50	<25	<75
6: 3-4	<25	<25	<25	<25	<25	<25	<25	<50	<50	<25	<75
6: 7-8	<500	**4990**	<500	**19400**	<500	**172000**	**128000**	**44200**	**27800**	**2830**	**30600**
6:10	<1000	**30200**	<1000	**42300**	<1000	**376000**	**282000**	**93800**	**145000**	**7750**	**153000**
6: 11-12	**26600**	**131000**	**6460**	**32900**	**415000**	**306000**	**228000**	**77800**	**418000**	**154000**	**572000**

1000 Concentration exceeds NTEDC (Not to exceed Direct Contact) and/or Soil - GW RCL (Residual Contaminant Level)

Table 2: Ground Water Analytical Data

Julson Store (Former)
Dover Township/Buffalo County
Meridian No. 05F823

Sample	Benzene	Ethylbenzene	MTBE	Naphthalene	Toluene	1,2,4-TMB	1,3,5-TMB	Total TMB	Xylene (Total)
Units	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
NR140 ES	5	700	60	100	800			480	2000
NR140 PAL	0.5	140	12	10	160			96	400
T-1 (installed 6/12/17)									
* 6/15/2017	**3380**	**3650**	<97	**819**	**4500**	3810	1120	**4930**	**12100**
T-3 (installed 6/12/17)									
6/15/2017	<.4	**1.2**	<.48	<.42	<.39	<.42	<.42	<.42	**5**
T-4 (installed 6/12/17)									
6/15/2017	<.4	<.39	<.48	<.42	<.39	<.42	<.42	<.42	<1.2
Onsite Well (non-potable) (30 feet deep)									
6/15/2017	<.4	<.39	<.48	<.42	<.39	<.42	<.42	<.42	<1.2

100 Concentration exceeds NR140 ES (Enforcement Standard)

* 3 inches free product measured in T-1 (June 15, 2017)

Table 3: Ground Water Levels

Julson Store (Former)
Dover Township/Buffalo County
Meridian No. 05F823

T-1 (installed June 12, 2017 in GP-1)			T-3 (installed June 12, 2017 in GP-3)			T-4 (installed June 12, 2017 in GP-4)		
Surface Elevation		98	Surface Elevation		98	Surface Elevation		102
Top of Casing		100	Top of Casing		99.19	Top of Casing		102.9
Top of Screen		93	Top of Screen		92	Top of Screen		96
Bottom of Screen		83	Bottom of Screen		82	Bottom of Screen		86
Measurement Date	**DTW (ft)**	**GW Elev. (ft)**	**Measurement Date**	**DTW (ft)**	**GW Elev. (ft)**	**Measurement Date**	**DTW (ft)**	**GW Elev. (ft)**
6/15/2017*	8.9	91.1	6/15/2017	7.53	91.66	6/15/2017	10.02	92.88

* Measured 3 inches free product

FIGURES

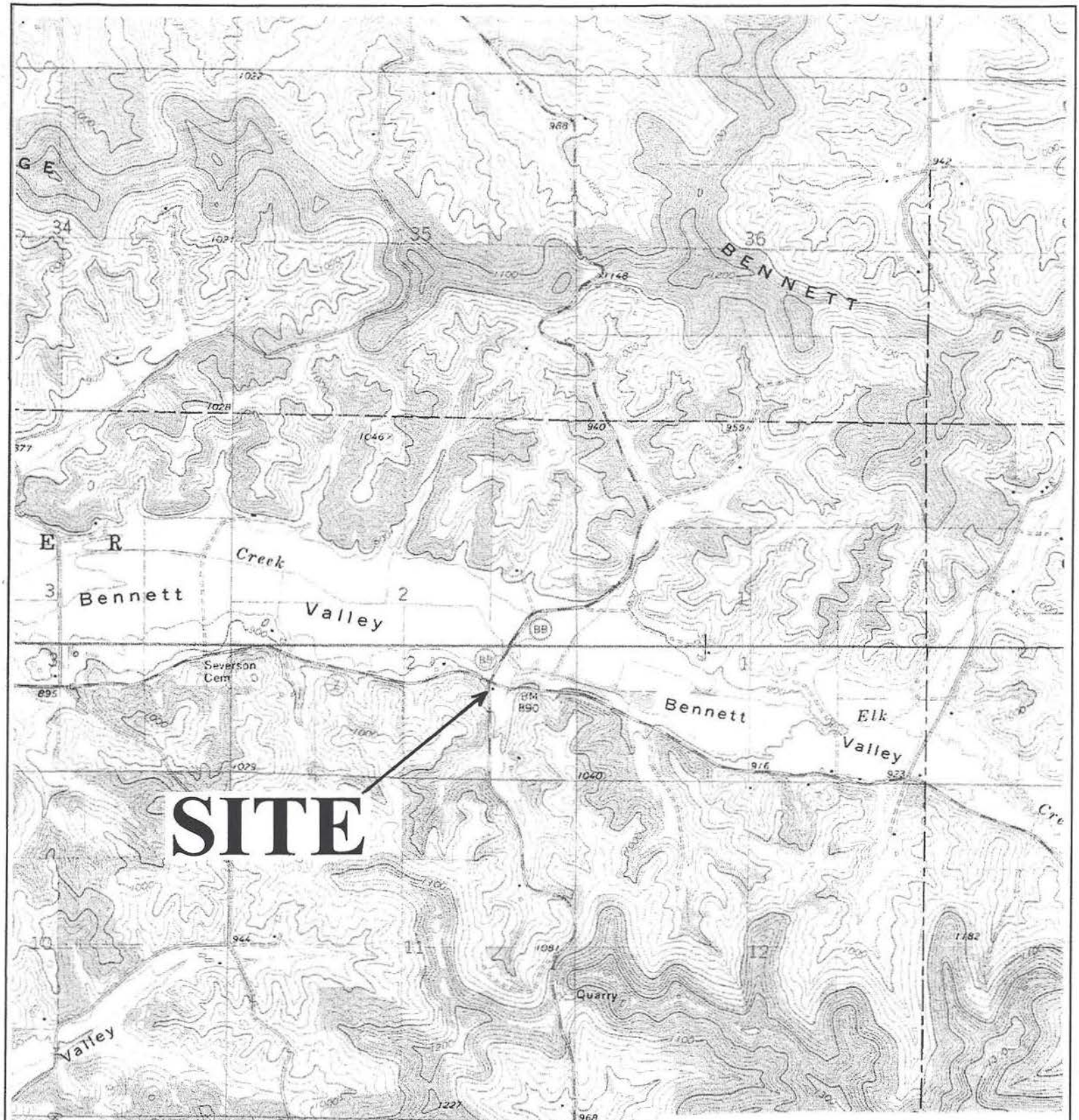


Figure 1
Site Location Map
Former Julson Store
Mondovi, Wisconsin

PROJECT NO.	PREPARED BY
05F823	KAS
DATE	REVIEWED BY
5/22/17	KAS

Meridian Environmental Consulting, LLC

FIGURE 2
AERIAL PHOTOGRAPH
FORMER JULSON STORE
MONDOVI, WI

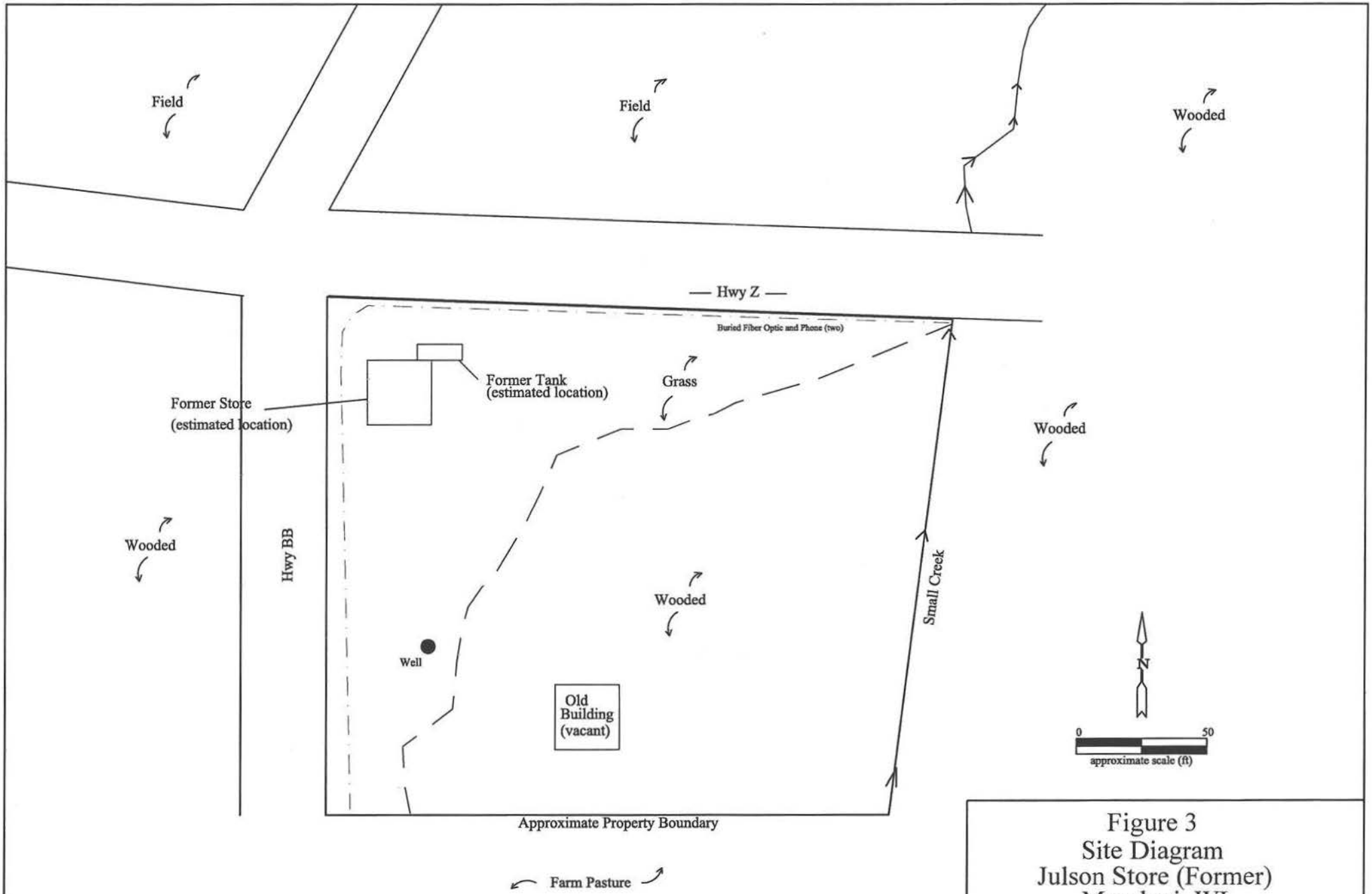


Figure 3
Site Diagram
Julson Store (Former)
Mondovi, WI

PROJECT NO.	PREPARED BY
05F823	KAS
DATE	REVIEWED BY
7/18/17	KAS

Meridian Environmental Consulting, LLC

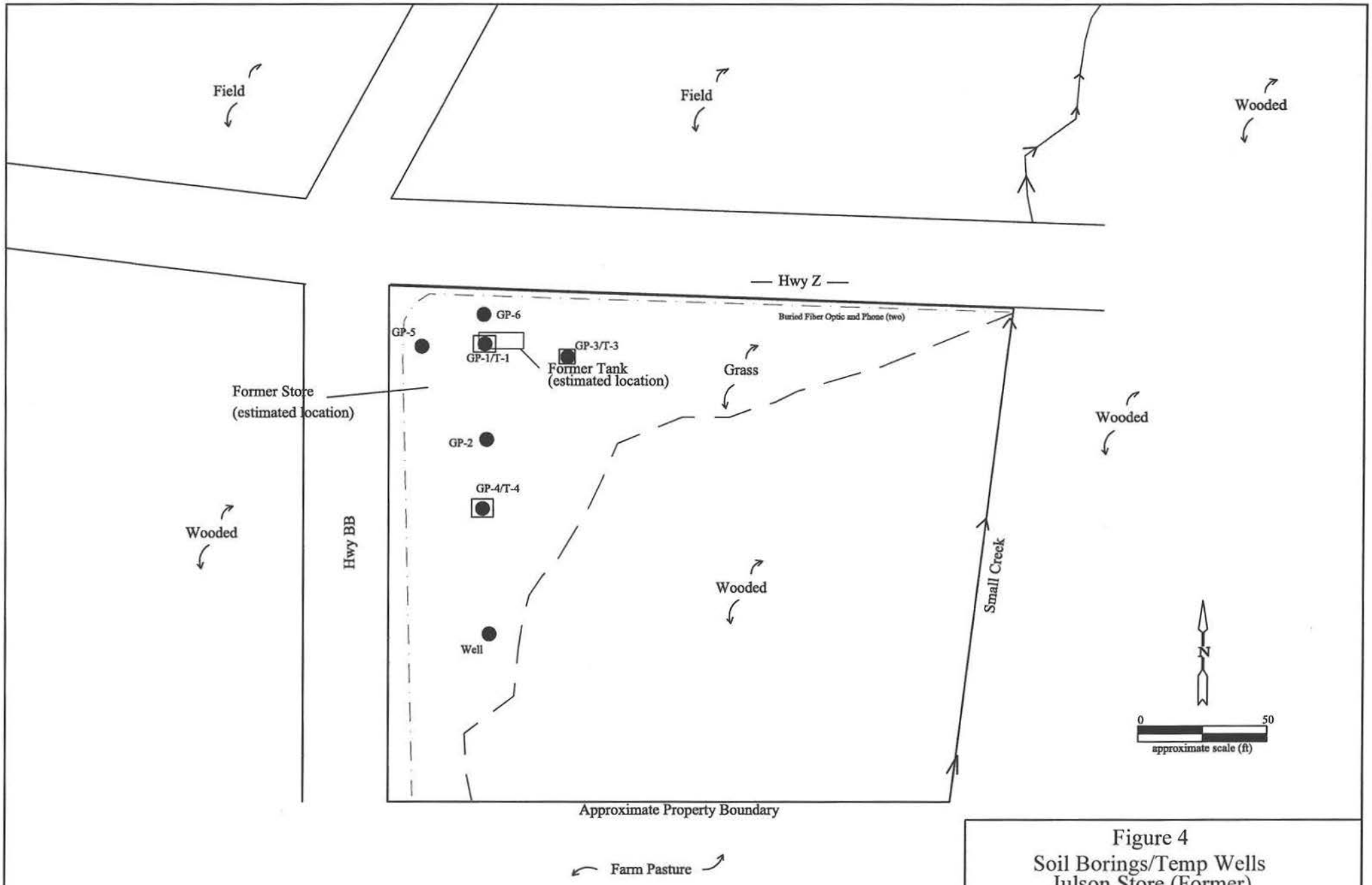
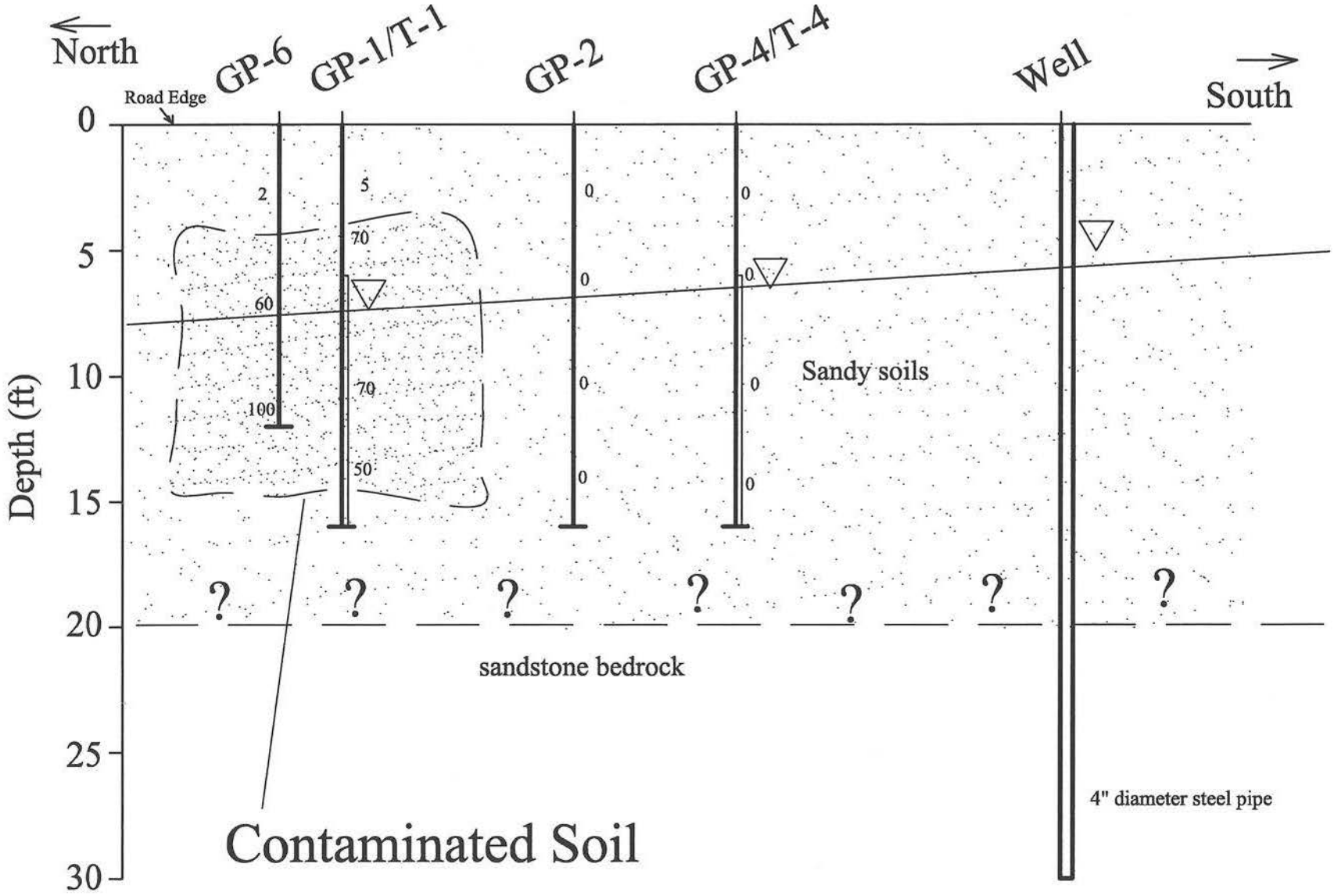


Figure 4
Soil Borings/Temp Wells
Julson Store (Former)
Mondovi, WI

PROJECT NO.	PREPARED BY
05F823	KAS
DATE	REVIEWED BY
7/17/17	KAS

Meridian Environmental Consulting, LLC



PID Readings shown next to soil boring

Figure 5
Cross Section
Julson Store (Former)
Mondovi, WI

PROJECT NO.	PREPARED BY
05F823	KAS
DATE	REVIEWED BY
7/17/17	KAS

Meridian Environmental Consulting, LLC

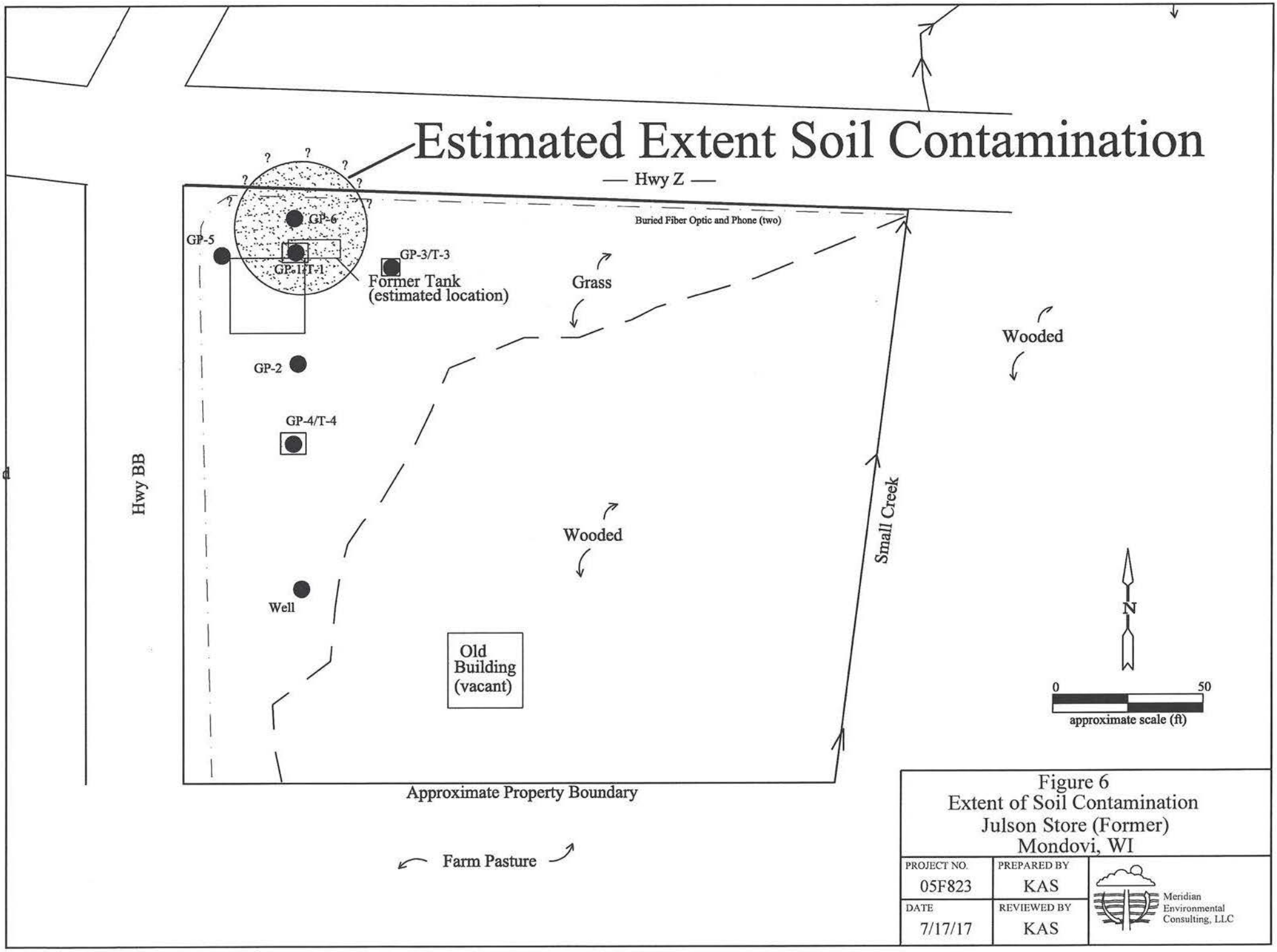


Figure 6
Extent of Soil Contamination
Julson Store (Former)
Mondovi, WI

PROJECT NO.	PREPARED BY
05F823	KAS
DATE	REVIEWED BY
7/17/17	KAS

Meridian Environmental Consulting, LLC

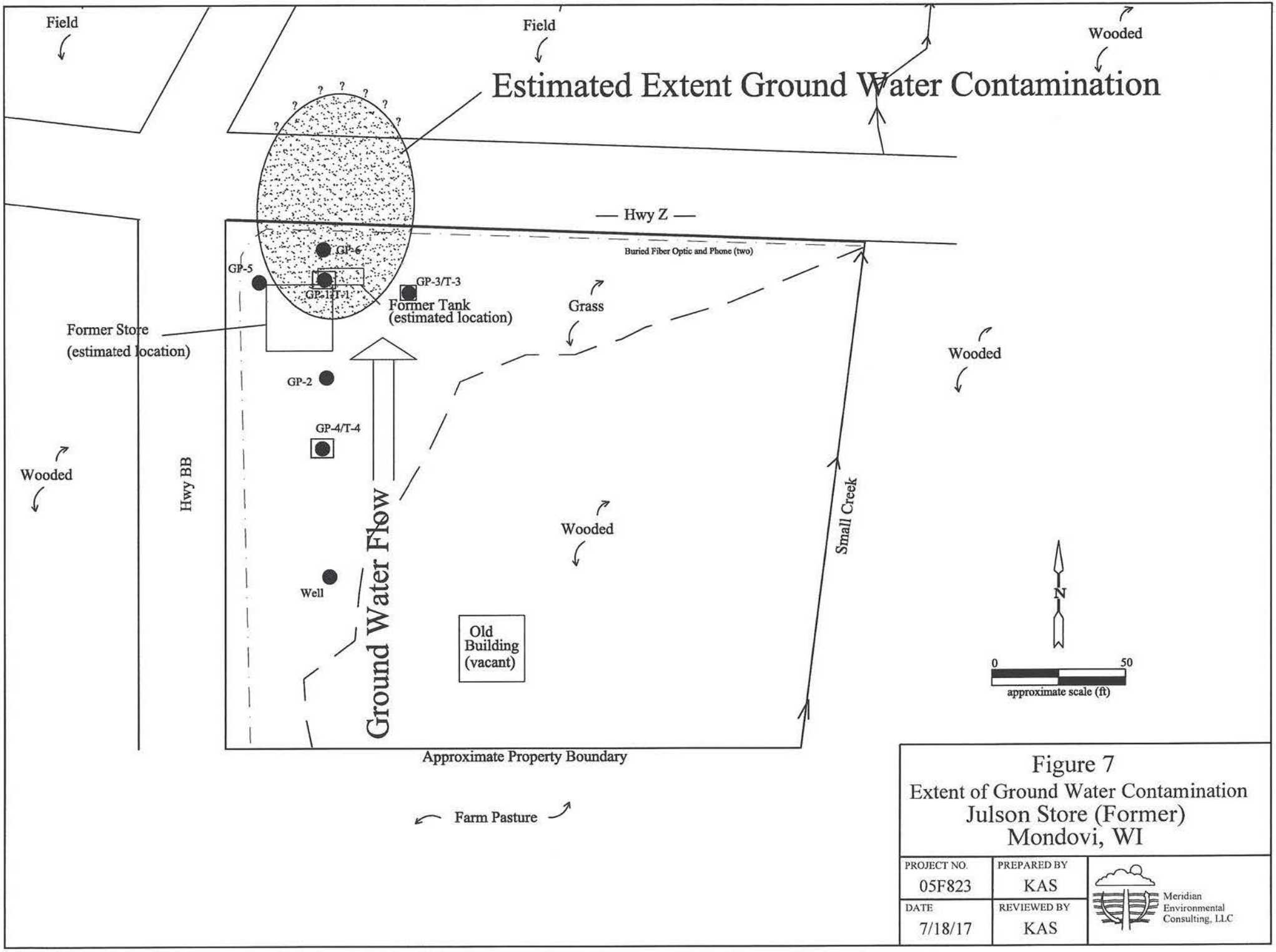


Figure 7
Extent of Ground Water Contamination
Julson Store (Former)
Mondovi, WI

PROJECT NO.	PREPARED BY
05F823	KAS
DATE	REVIEWED BY
7/18/17	KAS

Meridian Environmental Consulting, LLC

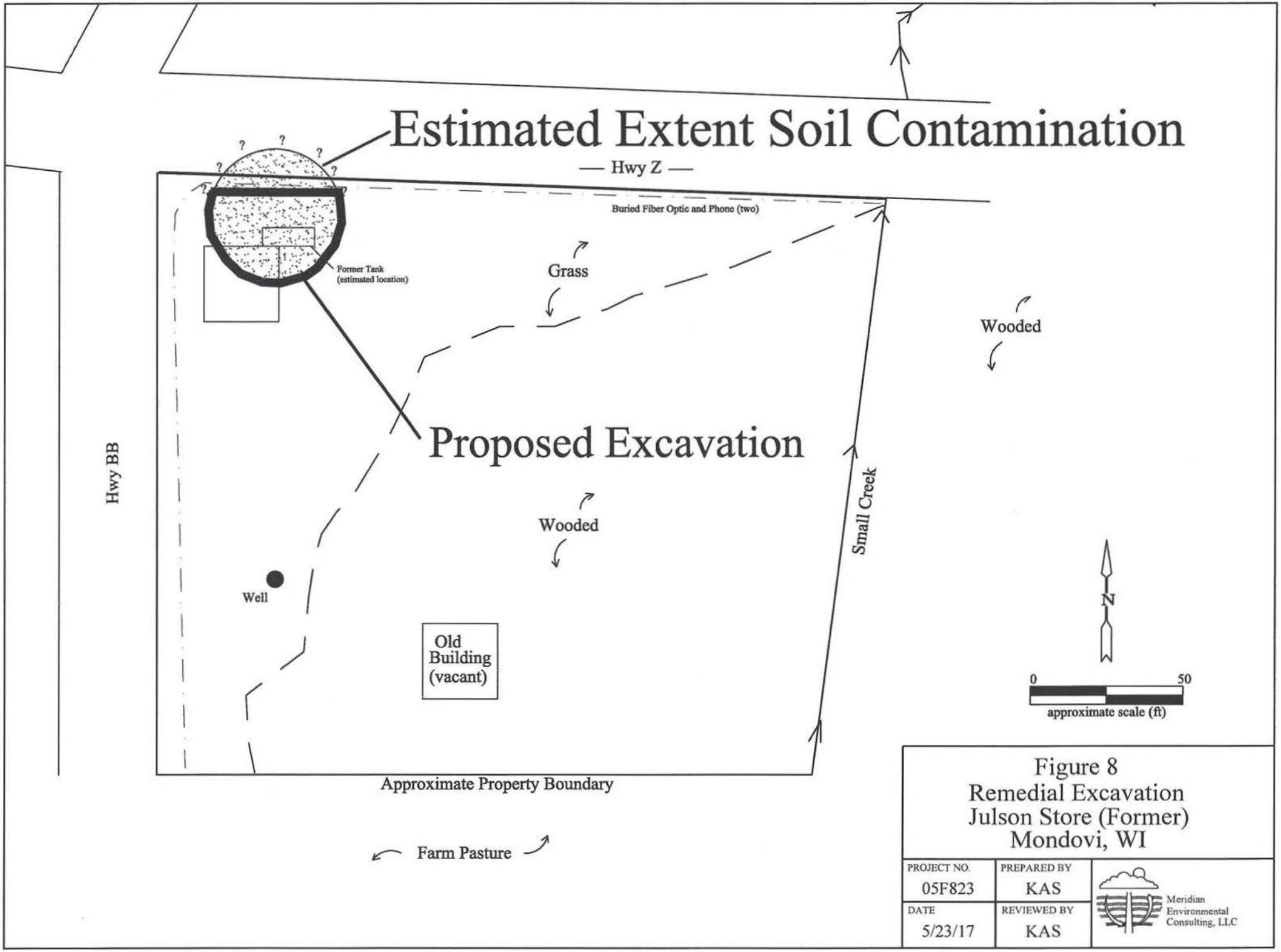


Figure 8
Remedial Excavation
Julson Store (Former)
Mondovi, WI

PROJECT NO.	PREPARED BY
05F823	KAS
DATE	REVIEWED BY
5/23/17	KAS

Meridian Environmental Consulting, LLC

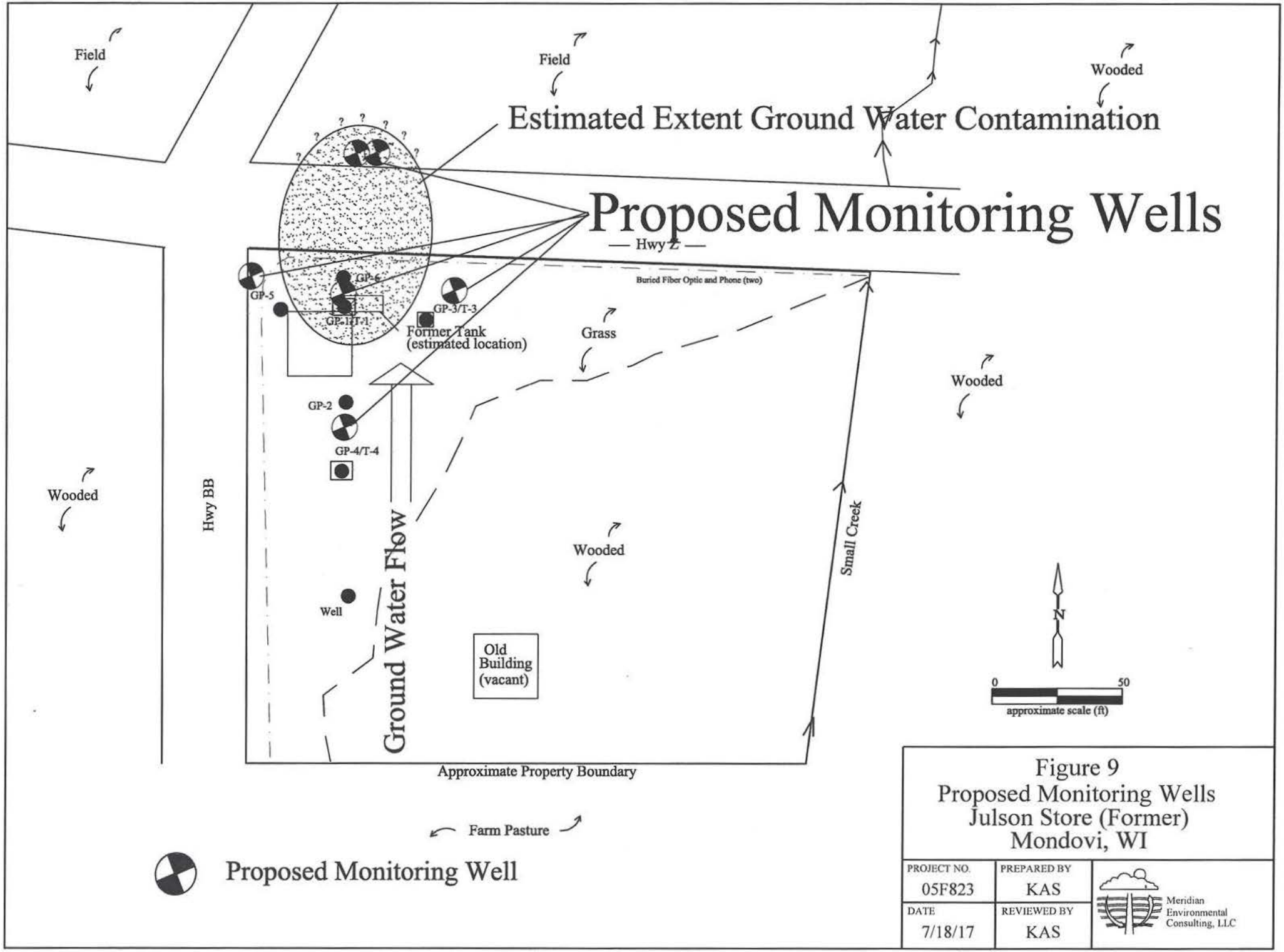


Figure 9
Proposed Monitoring Wells
Julson Store (Former)
Mondovi, WI

PROJECT NO.	PREPARED BY
05F823	KAS
DATE	REVIEWED BY
7/18/17	KAS

Meridian Environmental Consulting, LLC

APPENDIX A

Tank Inspector Report

September 20,1994

Western Wisconsin Inspection
919 Fairfax St.
Altoona, WI 54720

MEMO TO: DNR Eileen Kramer
1300 W. Clairemont Ave.
Eau Claire, WI 54701

RE: Tank closure contamination
Hwy. BB & Z W 125
Mondovi, WI 54755
Town of Dover
Buffalo County

OWNER: John Marum
W 490 Cty. Z
Mondovi, WI 54755

Please be advised that obvious contamination was present at the above location when a 300 gallon gasoline tank was removed. It should be noted that a well is present on this property and a stream is approximately 200 ft. from the tank location.

OBVIOUS CONTAMINATION:	5 1/2 foot---odor and stain present
TANK:	Empty with a 2" x 6" hole in the bottom 300 gallon steel---38" x 5' Appears to have had a dispenser directly over the top of the tank (probably years ago)
TANK LOCATION ON PROPERTY:	3 feet from the main building (Northeast corner) Tank installation was East/West
WELL:	85' South of tank location
STREAM:	200' East of tank location

The property owner was not present when the tank was removed and a site assessment was ommited because of the hole in the tank and the location of the well/stream.

Sincerely,
M Lear
Morris Lear
Tank Inspector

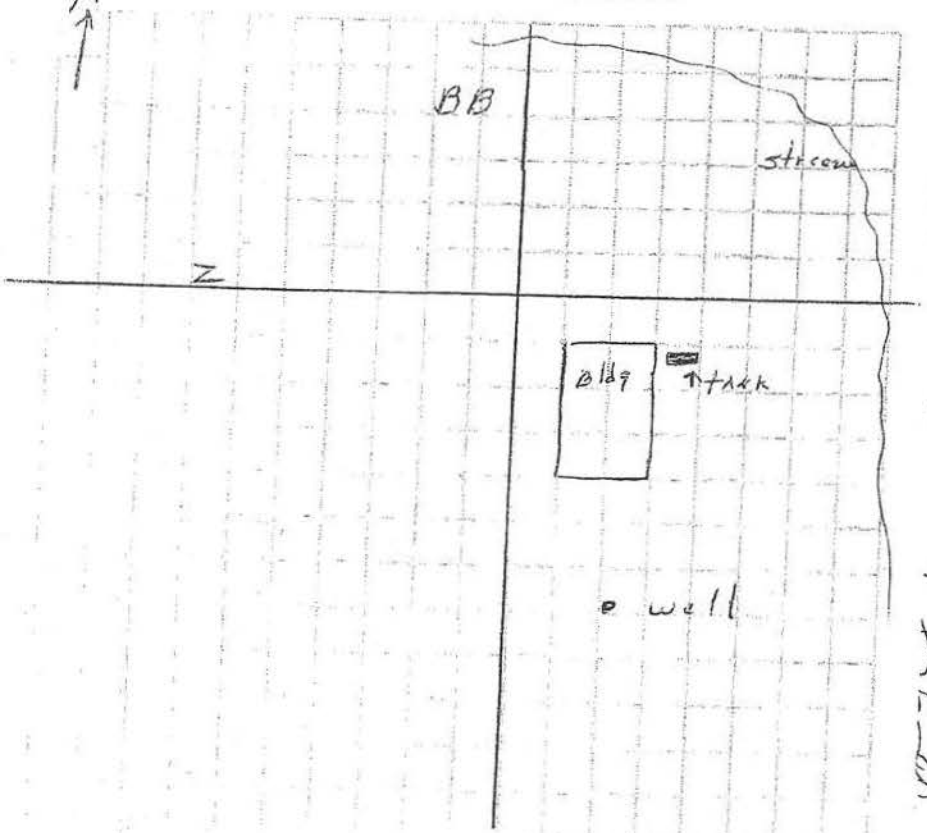
APACHE HOSE & BELTING
3001 4th ST. S.E. • P.O. Box 14747
MINNEAPOLIS, MINNESOTA 55414
PHONE 612-331-3145
FAX 612-331-6537
WATS 1-800-328-4149

E MEMO
Rev. 2-92

Date 1-20 Time 1:43

Received by MF

☐ Returning Your Call ☐ Will Call Again ☐ Called to See You



WESTERN WISCONSIN INSPECTION
919 Fairfax Street, Suite 200
Altoona, Wisconsin 54720

x 6" hole in the bottom
1---38" x 5'
had a dispenser directly
the tank (probably years ago)

main building (Northeast corner)
on was East/West

nk location

nk location

ank was removed and a site
assessment was ommited because of the hole in the tank and the location of
the well.

WESTERN INSPECTION

BUCK LEAR

Education
Inspection
UST/AST Inspection
Investigation

919 Fairfax Street
Altoona, Wisconsin 54720
Phone: (715) 833-7671
Fax: (715) 833-7634

Wisconsin Department of Industry, Labor and Human Relations

For Office Use Only:
Tank ID #

UNDERGROUND PETROLEUM PRODUCT TANK INVENTORY

Information Required By Sec. 102.142, Wis. Stats.

Send Completed Form To:
Safety & Buildings Division
P.O. Box 7969
Madison, WI 53707
Telephone: (608) 267-5280

Underground tanks in Wisconsin that have stored or currently store petroleum or regulated substances must be registered. Please see the reverse side for additional information on this program. An underground storage tank is defined as any tank with at least 10 percent of its total volume (included piping) located below ground level. **A separate form is needed for each tank. Send each completed form to the agency designated in the top right corner.** Have you previously registered this tank by submitting a form? ☐ YES ☒ NO If yes, are you correcting/updating information only? ☐ Yes ☐ No

The information you provide may be used by other government agency programs (Privacy Law, s. 15.04 (1) (m)).

This registration applies to a tank that is (check one):
1A. ☐ In Use or 1B. ☐ Newly Installed 4. ☒ Closed - Tank Removed 8. ☐ Changed Ownership (Indicate new owner below)
2. ☐ Abandoned With Product 6. ☐ Closed - Filled With Inert Material
3. ☐ Abandoned No Product (empty) or With Water 7. ☐ Out of Service - Provide Date: _____

Fire Department Providing Fire Coverage Where Tank Located: 06023

A. IDENTIFICATION: (Please Print)

1. Tank Site Name: JOHN + DIANE MARUM
Site Address: Hwy BB" + "Z"
Site Telephone No.: (715) 946-3415
☐ City ☐ Village ☒ Town of: Dover
State: WI Zip Code: 54755 County: Buffalo

2. Owner Name (mail sent here unless indicated otherwise in #3 below): JOHN & DIANE MARUM
Owner Mailing Address (mail sent here unless indicated otherwise in #3): W490 CTY Z
☐ City ☐ Village ☐ Town of: MONDOVI
State: WI Zip Code: 54755 County: BUFFALO

3. Alternate Mailing Name If Different Than #2
Alternate Mailing Street Address If Different From #2
☐ City ☐ Village ☐ Town of:
State: Zip Code: County:

4. Tank Age (date installed, if known: or years old)
5. Tank Capacity (gallons): 300
6. Tank Manufacturer's Name (if known)

B. TYPE OF USER (check one):
1. ☐ Gas Station 2. ☐ Bulk Storage 3. ☐ Utility 4. ☒ Mercantile
5. ☐ Industrial 6. ☐ Government 7. ☐ School 8. ☐ Residential
9. ☐ Agricultural 10. ☐ Other (specify): _____

C. TANK CONSTRUCTION:
1. ☒ Bare Steel 2. ☐ Cathodically Protected and Coated Steel (A. ☐ Sacrificial Anodes or B. ☐ Impressed Current)
3. ☐ Coated Steel 4. ☐ Fiberglass 5. ☐ Other (specify): _____
6. ☐ Relined - Date _____ 7. ☐ Steel - Fiberglass Reinforced Plastic Composite 9. ☐ Unknown

Approval: 1. ☐ Nat'l Std. 2. ☐ UL 3. ☐ Other:
Is Tank Double Walled? ☐ Yes ☒ No
Overfill Protection Provided? ☐ Yes ☒ No If yes, identify type:
Spill Containment? ☐ Yes ☒ No

Tank leak detection method: 1. ☐ Automatic tank gauging 2. ☐ Vapor monitoring 3. ☐ Groundwater monitoring 4. ☐ Inventory control and tightness testing 5. ☐ Interstitial monitoring 6. ☐ Not required at present 7. ☐ Manual Tank Gauging (only for tanks of 1,000 gallons or less)

D. PIPING CONSTRUCTION
1. ☐ Bare Steel 2. ☐ Cathodically Protected and Coated or Wrapped Steel (A. ☐ Sacrificial Anodes or B. ☐ Impressed Current) 3. ☐ Coated Steel
4. ☐ Fiberglass 5. ☐ Other (specify): _____ 9. ☐ Unknown

Piping System Type: 1. ☐ Pressurized piping with: A. ☐ auto shutoff; B. ☐ alarm; or C. ☐ flow restrictor 2. ☐ Suction piping with check valve at tank
3. ☐ Suction piping with check valve at pump and inspectable

Piping leak detection method: used if pressurized or check valve at tank: 1. ☐ Vapor monitoring 2. ☐ Interstitial monitoring
3. ☐ Groundwater monitoring 4. ☐ Tightness testing 5. ☐ Line Leak Detector 6. ☐ Not Required

Approval: 1. ☐ Nat'l Std 2. ☐ UL 3. ☐ Other:
Double Walled: ☐ Yes ☐ No

E. TANK CONTENTS
1. ☐ Diesel 2. ☒ Leaded 3. ☐ Unleaded 4. ☐ Fuel Oil
5. ☐ Gasohol 6. ☐ Other 7. ☐ Empty 8. ☐ Sand/Gravel/Slurry
9. ☐ Unknown 10. ☐ Premix 11. ☐ Waste Oil 12. ☐ Propane
13. ☐ Chemical * _____ _____ _____ 14. ☐ Kerosene 15. ☐ Aviation

* If # 13 is checked, indicate the chemical name(s) or number(s) of the chemical or waste.

If Tank Closed, Give Date (mo/day/yr): Sept 20, 1994
Has a site assessment been completed? (see reverse side for details) ☐ Yes ☐ No

If installation of a new tank is being reported, indicate who performed the installation inspection:
1. ☐ Fire Department 2. ☐ DILHR 3. ☐ Other (identify) _____

Name of Owner or Operator (please print): John Marum
Indicate Whether: ☐ Owner or ☒ Operator

Signature of Owner or Operator: Harold W & Diane Marum
Date Signed: 9/20/94

SBD-7437 (R. 05/94) IMPORTANT: Complete as many items on this form as possible. Failure to provide sufficient

Wisconsin Department of Industry, Labor and Human Relations

Complete one form for each site closure.

CHECKLIST FOR UNDERGROUND TANK CLOSURE

RETURN COMPLETED CHECKLIST TO:
Safety & Buildings Division
Fire Prevention & Underground Storage Tank Section
P. O. Box 7969, Madison, WI 53707

A. IDENTIFICATION: (Please Print) Indicate whether closure is for: ☒ Tank System ☐ Tank Only ☐ Piping Only

1. Site Name	2. Owner Name
JOHN & DIANE MARUM	JOHN & DIANE MARUM
Site Street Address (not P.O. Box)	Owner Street Address
Hwy 'BB' & Z W125	W490 CTY Z
☐ City ☐ Village ☑ Town of: Dover	☐ City ☐ Village ☐ Town of: MONDOVI
State: WI Zip Code: 54755 County: Buffalo	State: WI Zip Code: 54755 County: BUFFALO Telephone No. (include area code): (715) 946-3415
3. Closure Company Name (Print)	Closure Company Street Address,
EAU CLAIRE EQUIPMENT	2620 DAVEY ST
Closure Company Telephone No. (include area code)	Closure Company City, State, Zip Code
(715) 832-2987	EAU CLAIRE, WI 54701
4. Name of Company Performing Closure Assessment	Assessment Company Street Address, City, State, Zip Code

Telephone # (include area code)	Certified Assessor Name (Print)	Assessor Signature	Assessor Certification No.
( )			

Tank ID #	Closure	Temp. Closure	Closure In Place	Tank Capacity	Contents *	Closure Assessment
1.	☒	☐	☐	300	02	☐Y ☐N
2.	☐	☐	☐			☐Y ☐N
3.	☐	☐	☐			☐Y ☐N
4.	☐	☐	☐			☐Y ☐N
5.	☐	☐	☐			☐Y ☐N
6.	☐	☐	☐			☐Y ☐N

* Indicate which product by numeric code: 01-Diesel; 02-Leaded; 03-Unleaded; 04-Fuel Oil; 05-Gasohol; 06-Other; 09-Unknown; 10-Premix; 11-Waste oil; 13-Chemical (indicate the chemical name(s) or numbers(s) _____ _____ _____; 14-Kerosene; 15-Aviation.

Written notification was provided to the local agent 15 days in advance of closure date. ☒Y ☐N ☐NA
All local permits were obtained before beginning closure. ☒Y ☐N ☐NA

Check applicable box at right in response to all statements in Sections B - E.	Remover Verified	Inspector Verified	NA
B. TEMPORARILY OUT OF SERVICE			
Written inspector approval of temporary closure obtained, which is effective until (provide date) _____	☐Y ☐N	☐	☐
1. Product Removed			
a. Product lines drained into tank (or other container) and resulting liquid removed, AND	☐Y ☐N	☐	☐
b. All product removed to bottom of suction line, OR	☐Y ☐N	☐	☐
c. All product removed to within 1" of bottom.	☐Y ☐N	☐	☐
2. Fill pipe, gauge pipe, tank truck vapor recovery fittings, and vapor return lines capped.	☐Y ☐N	☐	☐
3. All product lines at the islands or pumps located elsewhere are removed and capped, OR	☐Y ☐N	☐	☐
4. Dispensers/pumps left in place but locked and power disconnected.	☐Y ☐N	☐	☐
5. Vent lines left open.	☐Y ☐N	☐	☐
6. Inventory form filed indicating temporary closure.	☐Y ☐N	☐	☐
C. CLOSURE BY REMOVAL			
1. Product from piping drained into tank (or other container).	☐Y ☐N	☒	☒
2. Piping disconnected from tank and removed.	☒Y ☐N	☒	☐
3. All liquid and residue removed from tank using explosion proof pumps or hand pumps.	☐Y ☐N	☒	☒
4. All pump motors and suction hoses bonded to tank or otherwise grounded.	☐Y ☐N	☒	☒
5. Fill pipes, gauge pipes, vapor recovery connections, submersible pumps and other fixtures removed.	☒Y ☐N	☒	☐
NOTE: DROP TUBE SHOULD NOT BE REMOVED IF THE TANK IS TO BE PURGED THROUGH THE USE OF AN EDUCTOR.			
6. Vent lines left connected until tanks purged.	☐Y ☐N	☒	☒
7. Tank openings temporarily plugged so vapors exit through vent.	☐Y ☐N	☒	☒
8. Tank atmosphere reduced to 10% of the lower flammable range (LEL) - see Section F.	☒Y ☐N	☒	☐
9. Tank removed from excavation after **PURGING/INERTING**; placed on level ground and blocked to prevent movement.	☒Y ☐N	☒	☐
10. Tank cleaned before being removed being removed from site.	☐Y ☐N	☒	☒

SBD-8951 (R. 12/91)

- CONTINUE ON NEXT PAGE -

C. CLOSURE BY REMOVAL (continued)

	Remover Verified	Inspector Verified	NA
11. Tank labeled in 2" high letters after removal but before being moved from site.	☐ Y ☐ N	☐	☐
NOTE: COMPLETE TANK LABELING SHOULD INCLUDE WARNING AGAINST REUSE; FORMER CONTENTS; VAPOR STATE; VAPOR FREEING TREATMENT; DATE.			
12. Tank vent hole (1/8 th " in uppermost part of tank) installed prior to moving the tank from site.	☐ Y ☐ N	☒	☒
13. Inventory form filed by owner with Safety and Buildings Division indicating closure by removal.	☒ Y ☐ N	☒	☐
14. Site security is provided while the excavation is open.	☐ Y ☐ N	☒	☒

D. CLOSURE IN PLACE

NOTE: CLOSURES IN PLACE ARE ONLY ALLOWED WITH THE PRIOR WRITTEN APPROVAL OF THE DEPARTMENT OF INDUSTRY, LABOR AND HUMAN RELATIONS OR LOCAL AGENT.

1. Product from piping drained into tank (or other container).			
2. Piping disconnected from tank and removed.	☐ Y ☐ N	☐	☐
3. All liquid and residue removed from tank using explosion proof pumps or hand pumps.	☐ Y ☐ N	☐	☐
4. All pump motors and suction hoses bonded to tank or otherwise grounded.	☐ Y ☐ N	☐	☐
5. Fill pipes, gauge pipes, vapor recovery connections, submersible pumps and other fixtures removed.	☐ Y ☐ N	☐	☐
NOTE: DROP TUBE SHOULD NOT BE REMOVED IF THE TANK IS TO BE PURGED THROUGH THE USE OF AN EDUCTOR - EDUCTOR OUTPUT 12 FT ABOVE GRADE.			
6. Vent lines left connected until tanks purged.	☐ Y ☐ N	☐	☐
7. Tank openings temporarily plugged so vapors exit through vent.	☐ Y ☐ N	☐	☐
8. Tank atmosphere reduced to 10% of the lower flammable range (LEL) - see Section F.	☐ Y ☐ N	☐	☐
9. Tank properly cleaned to remove all sludge and residue.	☐ Y ☐ N	☐	☐
10. Solid inert material (sand, cyclone boiler slag, pea gravel recommended) introduced and tank filled.	☐ Y ☐ N	☐	☐
11. Vent line disconnected or removed.	☐ Y ☐ N	☐	☐
12. Inventory form filed by owner with Safety and Buildings Division indicating closure in place.	☐ Y ☐ N	☐	☐

E. CLOSURE ASSESSMENTS

NOTE: DETERMINE IF A CLOSURE ASSESSMENT IS REQUIRED BY REFERRING TO ILHR 10.

1. Individual conducting the assessment has a closure assessment plan (written) which is used as the basis for their work on the site.	☐ Y ☐ N	☐	☐
2. Do points of obvious contamination exist?	☒ Y ☐ N	☒	☐
3. Are there strong odors in the soils?	☒ Y ☐ N	☒	☐
4. Was a field screening instrument used to pre-screen soil sample locations?	☐ Y ☒ N	☒	☐
5. Was a closure assessment omitted because of obvious contamination?	☐ Y ☐ N	☐	☐
6. Was the DNR notified of suspected or obvious contamination?	☒ Y ☐ N	☒	☐

Agency, office and person contacted: Skip Baker 284-1427 Eileen Kramer

7. Contamination suspected because of: ☒ Odor ☒ Soil Staining ☐ Free Product ☐ Sheen On Groundwater ☐ Field Instrument Test

F. METHOD OF ACHIEVING 10% LEVEL DESCRIPTION

☐ Educator Or Diffused Air Blower

Eductor driven by compressed air, bonded and drop tube left in place; vapors discharged minimum of 12 feet above ground. Diffused air blower bonded and drop tube removed. Air pressure not exceeding 5 psig.

☐ Dry Ice

Dry ice introduced at 1.5 pounds per 100 gallons of tank capacity. Dry ice crushed and distributed over the greatest possible tank area. Dry ice evaporated before proceeding.

☐ Inert Gas (CO/2 or N/2) **NOTE: INERT GASSES PRODUCE AN OXYGEN DEFICIENT ATMOSPHERE. THE TANK MAY NOT BE ENTERED IN THIS STATE WITHOUT SPECIAL EQUIPMENT**

Gas introduced through a single opening at a point near the bottom of the tank at the end of the tank opposite the vent. Gas introduced under low pressure not to exceed 5 psig to reduce static electricity. Gas introducing device grounded.

☒ Tank atmosphere monitored for flammable or combustible vapor levels.

Calibrate combustible gas indicator. Drop tube removed prior to checking atmosphere. Tank space monitored at bottom, middle and upper portion of tank. Readings of 10% or less of the lower flammable range (LEL) obtained before removing tank from ground.

G. NOTE SPECIFIC PROBLEMS OR NONCOMPLIANCE ISSUES BELOW

H. REMOVER/CLEANER INFORMATION

Remover Name (print)	Remover Signature	Remover Certification No.	Date Signed
Kent Marsh	Kent Marsh	834	9/20/94

I. INSPECTOR INFORMATION

Inspector Name (print)	Inspector Signature	Inspector Certification No.
Morris K. Lear	Morris K. Lear	53

FDID # For Location Where Inspection Performed	Inspector Telephone Number	Date Signed
06023	715-833-7671	9/20/94

APPENDIX B

Potable Well Logs

WELL CONSTRUCTOR'S REPORT
FORM 3300–15

SEP 12 1975 OCT 7 1975

NOTE
WHITE COPY – DIVISION'S COPY
GREEN COPY – DRILLER'S COPY
YELLOW COPY – OWNER'S COPY

STATE OF WISCONSIN
DEPARTMENT OF NATURAL RESOURCES
Box 450
Madison, Wisconsin 53701

1. COUNTY: Buffalo
CHECK ONE: ☒ Town ☐ Village ☐ City
NAME: Dover

2. LOCATION: ¼ NE, SW | Section: 1 | Township: 23N | Range: 10W
3. OWNER AT TIME OF DRILLING: Orvin A. Julson
OR – Grid or street no. | Street name
ADDRESS: Rt 3 Box 237
AND – If available subdivision name, lot & block no.
POST OFFICE: Mondovi Wis.

4. Distance in feet from well to nearest: (Record answer in appropriate block)

BUILDING	SANITARY SEWER C. I.	SANITARY SEWER TILE	FLOOR DRAIN C. I.	FLOOR DRAIN TILE	FOUNDATION DRAIN SEWER CONNECTED	FOUNDATION DRAIN INDEPENDENT	WASTE WATER DRAIN C. I.	WASTE WATER DRAIN TILE
12	39							

CLEAR WATER DRAIN C. I.	CLEAR WATER DRAIN TILE	SEPTIC TANK	PRIVY	SEEPAGE PIT	ABSORPTION FIELD	BARN	SILO	ABANDONED WELL	SINK HOLE
		105			112	130			

OTHER POLLUTION SOURCES (Give description such as dump, quarry, drainage well, stream, pond, lake, etc.)

5. Well is intended to supply water for: Farm

6. DRILLHOLE

Dia. (in.)	From (ft.)	To (ft.)	Dia. (in.)	From (ft.)	To (ft.)
8	Surface	55			
4	55	68			

7. CASING, LINER, CURBING, AND SCREEN

Dia. (in.)	Kind and Weight	From (ft.)	To (ft.)
4	New Bl Steel T&C 11.0#	Surface	55

9. FORMATIONS

Kind	From (ft.)	To (ft.)
Sand	Surface	15
Soft sandstone	15	47
Sandstone	47	68

8. GROUT OR OTHER SEALING MATERIAL

Kind	From (ft.)	To (ft.)
Puddled Clay	Surface	7
Cement	7	55

10. TYPE OF DRILLING MACHINE USED
☒ Cable Tool ☐ Direct Rotary ☐ Reverse Rotary
☐ Rotary – air w/drilling mud ☐ Rotary – hammer with drilling mud & air ☐ Jetting with ☐ Air ☐ Water

Well construction completed on 9-3 19 75

11. MISCELLANEOUS DATA
Yield test: 3 Hrs. at 18 GPM
Depth from surface to normal water level 30 ft.
Depth to water level when pumping 35 ft.

Well is terminated 12 inches ☒ above ☐ below final grade
Well disinfected upon completion ☒ Yes ☐ No
Well sealed watertight upon completion ☒ Yes ☐ No

Water sample sent to Madison laboratory on: 9-10 19 75

Your opinion concerning other pollution hazards, information concerning difficulties encountered, and data relating to nearby wells, screens, seals, type of casing joints, method of finishing the well, amount of cement used in grouting, blasting, sub-surface pumprooms, access pits, etc., should be given on reverse side.

SIGNATURE: Carl F. Schultz Registered Well Driller
COMPLETE MAIL ADDRESS: Cochrane, Wis. 54622

Please do not write in space below 1856005

COLIFORM TEST RESULT	GAS – 24 HRS.	GAS – 48 HRS.	CONFIRMED	REMARKS
BF1032				

REV. 3–71

WISCONSIN UNIQUE WELL NUMBER **YO445**
Source: ELECTRONICALLY

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

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

Property Owner: BAUER, RICK & SHARI
Telephone Number: 715-563-4707
Mailing Address: W22 COUNTY ROAD Z
City: ELEVA
State: WI
Zip Code: 54738
County of Well Location: 6 BUFFALO WC
Co Well Permit No W
Well Completion Date: November 6, 2015

Depth 45 FT

1. Well Location
T=Town C=City V=Village: T of DOVER
Fire#: W22
Street Address or Road Name and Number: COUNTY ROAD Z
Subdivision Name
Lot#
Block #

Well Constructor: OIUM, KELLY WELL DRILLING INC
License #: 8217
Facility ID (Public)
Address: N50021 MISSELL ROAD
Public Well Plan Approval#
City: STRUM
State: WI
Zip Code: 54770
Date Of Approval
Hicap Permanent Well #
Common Well #
Specific Capacity: 1 gpm/ft

Gov't Lot or SE 1/4 of SE 1/4 of
Section 1 T 23 N R 10 W

2. Well Type 1 (See item 12 below)
1=New 2=Replacement 3=Reconstruction
of previous unique well # _____ constructed in _____
Reason for replaced or reconstructed Well?

3. Well Serves P # of homes and or HOME (eg: barn, restaurant, church, school, industry, etc.)
M=Munic O=OTM N=NonCom P=Private Z=Other X=NonPot A=Anode L=Loop H=Drillhole

High Capacity: Well? N Property? N

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)

12 2. Building Overhang
45 3. 1=Septic 2= Holding Tank
8. 2 1=Shoreline 2= Swimming Pool

1. Landfill
4. Sewage Absorption Unit
5. Nonconforming Pit
6. Buried Home Heating Oil Tank
7. Buried Petroleum Tank
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
14. Building Sewer 1=Gravity 2=Pressure 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
25. Other NR 812 Waste Source

5. Drillhole Dimensions and Construction Method

Dia.(in.)	From (ft)	To (ft)
10.0	surface	5
6.0	5	45

Upper Enlarged Drillhole
-- 1. Rotary - Mud Circulation
-- 2. Rotary - Air
-- 3. Rotary - Air and Foam
-- 4. Drill-Through Casing Hammer
-- 5. Reverse Rotary
-- 6. Cable-tool Bit _ in. dia
-- 7. Temp. Outer Casing _ in. dia. ____ depth ft. Removed ?
Other
Lower Open Bedrock

Geology Codes	8. Geology Type, Caving/Noncaving, Color, Hardness, etc	From (ft.)	To (ft.)
_I_	Top Soil	0	2
B_U_	Black, Muck	2	33
THN_	Tan, Hard, Sandstone	33	45

6. Casing Liner Screen Material, Weight, Specification Manufacturer & Method of Assembly

Dia. (in.)		From (ft.)	To (ft.)
6.0	6.620 X A53B.280 EW TC	surface	34

Dia.(in.)	Screen type, material & slot size	From	To

7. Grout or Other Sealing Material

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

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

10. Pump Test
Pumping level 25.0 ft. below surface
Pumping at 20.0 GP M 2.0 Hrs

11. Well Is: 24 in. A Grade A=Above B=Below
Developed? Y
Disinfected? Y
Capped? Y

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

13. Initials of Well Constructor or Supervisory Driller: KO Date Signed: 11/18/15

Initials of Drill Rig Operator (Mandatory unless same as above): BG Date Signed: 11/18/15

Additonal Comments?
Owner Sent Label? Y
Variance Issued? N
More Geology?

ELECTRONIC

Batch 888888888

WISCONSIN UNIQUE WELL NUMBER **WO451**
Source: ELECTRONICALLY

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

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

Property Owner: WOLTER, JANINE
Telephone Number: 715-946-3076

Mailing Address: S614 WOOD RD

City: MONDOVI | State: WI | Zip Code: 54755

County of Well Location: 6 BUFFALO | WC | Co Well Permit No: W | Well Completion Date: August 10, 2009

Well Constructor: KELLY OIUM | License #: 6244

Address: PO BOX 96

City: STRUM | State: WI | Zip Code: 54770

Hicap Permanent Well # | Common Well #

Facility ID (Public)

Public Well Plan Approval#

Date Of Approval

Specific Capacity: 4.5 gpm/ft

1. Well Location
T=Town C=City V=Village: T of DOVER
Fire#: S614
Street Address or Road Name and Number: WOOD RD
Subdivision Name | Lot# | Block #

Depth 50 FT

Gov't Lot or NW 1/4 of NW 1/4 of
Section 1 T 23 N R 10 W

2. Well Type 1 (See item 12 below)
1=New 2=Replacement 3=Reconstruction
of previous unique well # _____ constructed in _____
Reason for replaced or reconstructed Well?

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

3. Well Serves P # of homes and or (eg: barn, restaurant, church, school, industry, etc.)
M=Munic O=OTM N=NonCom P=Private Z=Other X=NonPot A=Anode L=Loop H=Drillhole

High Capacity: Well? N Property? N

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
2. Building Overhang
3. 1=Septic 2= Holding Tank
4. Sewage Absorption Unit
5. Nonconforming Pit
6. Buried Home Heating Oil Tank
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
14. Building Sewer 1=Gravity 2=Pressure 1=Cast Iron or Plastic 2=Other
15. Collector Sewer: ___ units ___ in . diam.
16. Clearwater Sump
17. Wastewater Sump
18. Paved Animal Barn Pen
100 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
25. Other NR 812 Waste Source

5. Drillhole Dimensions and Construction Method

Dia.(in.)	From (ft)	To (ft)	Upper Enlarged Drillhole
8.0	surface	4	
6.0	4	50	

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

Geology Codes	8. Geology Type, Caving/Noncaving, Color, Hardness, etc	From (ft.)	To (ft.)
TQX_	Tan/Brown, Caving, Sand & Clay	0	37
TSN_	Tan/Brown, Soft/Loose, Sandstone	37	39
THN_	Tan/Brown, Hard/Firm, Sandstone	39	50

6. Casing Liner Screen Material, Weight, Specification

Dia. (in.)	Manufacturer & Method of Assembly	From (ft.)	To (ft.)
6.0	IPSCO ASTM A53B.280 P/E STEEL CASING	surface	40

Dia.(in.)	Screen type, material & slot size	From	To

7. Grout or Other Sealing Material

Method / Kind of Sealing Material	From (ft.)	To (ft.)	# Sacks Cement
BENTONITE W/ SLURRY	surface	4.0	1

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

10. Pump Test
Pumping level 33.0 ft. below surface
Pumping at 18.0 GP M 2.0 Hrs

11. Well Is: 18 in. A Grade (A=Above B=Below)
Developed? Y
Disinfected? Y
Capped? Y

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

13. Initials of Well Constructor or Supervisory Driller: KO Date Signed: 8/20/09

Initials of Drill Rig Operator (Mandatory unless same as above): DT Date Signed: 8/20/09

Additonal Comments?
Owner Sent Label? Y
Variance Issued? N
More Geology?

ELECTRONIC

Batch 888888888

WISCONSIN UNIQUE WELL NUMBER **RE629**

Source: WELL CONSTRUCTION

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

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

Property Owner: GOODWIN, DENNIS
Telephone Number: 651-436-6040

Mailing Address: 11392 14TH N

City: LAKE ELMO | State: MN | Zip Code: 55042

County of Well Location: 6 BUFFALO | WC
Co Well Permit No: W
Well Completion Date: December 5, 2003

Well Constructor: PELKE GLEN PLBG HTG & WELL DRLG | License #: 131

Address: 835 RIVERSIDE AVE

City: MONDOVI | State: WI | Zip Code: 54755

Hicap Permanent Well #:
Common Well #:

Facility ID (Public):
Public Well Plan Approval#:
Date Of Approval:
Specific Capacity: 1.1 gpm/ft

1. Well Location

T=Town C=City V=Village: T of DOVER
Fire#:
Street Address or Road Name and Number: CLAYTON NELSON RD
Subdivision Name:
Lot#:
Block #:

Depth 95 FT

Gov't Lot or NE 1/4 of NE 1/4 of
Section 1 T 23 N R 10 W

2. Well Type 1 (See item 12 below)
1=New 2=Replacement 3=Reconstruction
of previous unique well # _____ constructed in _____

Reason for replaced or reconstructed Well?
NEW HOUSE CONSTRUCTION-NO

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

3. Well Serves P # of homes and or (eg: barn, restaurant, church, school, industry, etc.)
M=Munic O=OTM N=NonCom P=Private Z=Other X=NonPot A=Anode L=Loop H=Drillhole

High Capacity:
Well? N
Property? N

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
15 2. Building Overhang
3. 1=Septic 2= Holding Tank
4. Sewage Absorption Unit
5. Nonconforming Pit
6. Buried Home Heating Oil Tank
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
14. Building Sewer 1=Gravity 2=Pressure 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
25. Other NR 812 Waste Source

5. Drillhole Dimensions and Construction Method Lower Open Bedrock

Dia.(in.)	From (ft)	To (ft)
10.0	surface	30
6.0	30	95

Upper Enlarged Drillhole
-- 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 10 in. dia
-- 7. Temp. Outer Casing Removed ? in. dia. _____ depth ft.
Other

Geology Codes	8. Geology Type, Caving/Noncaving, Color, Hardness, etc	From (ft.)	To (ft.)
C	CLAY	0	6
EHN	FIRM GREEN SANDSTONE	6	36
THN	FIRM BROWN SANDSTONE	36	95

6. Casing Liner Screen Material, Weight, Specification Manufacturer & Method of Assembly

Dia. (in.)		From (ft.)	To (ft.)
6.0	NEW BLK T/C PIPE ASTM A53 G B (LTV STEEL) 19.45LBS	surface	36

Dia.(in.)	Screen type, material & slot size	From	To

7. Grout or Other Sealing Material

Method TREMIE PIPE-GROUT PUMP

Kind of Sealing Material	From (ft.)	To (ft.)	# Sacks Cement
PORTLAND CEMENT	surface	30.0	6 S

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

10. Pump Test
Pumping level 86.0 ft. below surface
Pumping at 20.0 GP M 1.0 Hrs

11. Well Is: 18 in. A Grade
A=Above B=Below
Developed? Y
Disinfected? Y
Capped? Y

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

13. Initials of Well Constructor or Supervisory Driller: GNP Date Signed: 12/12/03

Initials of Drill Rig Operator (Mandatory unless same as above) Date Signed: 12/12/03

Additonal Comments?
Owner Sent Label? Y
Variance Issued?
More Geology?

WELL

Batch 893

WISCONSIN UNIQUE WELL NUMBER **TW382**

Source: WELL CONSTRUCTION

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

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

Depth 160 FT

Property Owner: BRADSHAW, GUY		Telephone Number: 212-925-1379	
Mailing Address: 825 312TH AVE			
City: BURLINGTON	State: WI	Zip Code: 53105	
County of Well Location: 6 BUFFALO WC	Co Well Permit No W	Well Completion Date: January 11, 2007	

1. Well Location

T=Town C=City V=Village: T of DOVER		Fire#:
Street Address or Road Name and Number: CO RD BB CLAYTON NELSON RD		
Subdivision Name	Lot#	Block #

Well Constructor: PELKE GLEN PLBG HTG & WELL DRLG	License #: 131	Facility ID (Public)	
Address: 835 RIVERSIDE AVE		Public Well Plan Approval#	
City: MONDOVI	State: WI	Zip Code: 54755	Date Of Approval
Hicap Permanent Well #	Common Well #	Specific Capacity: 1.5 gpm/ft	

Gov't Lot or NE 1/4 of NE 1/4 of Section 1 T 23 N R 10 W

2. Well Type 1 (See item 12 below)
1=New 2=Replacement 3=Reconstruction
of previous unique well # _____ constructed in _____

Reason for replaced or reconstructed Well?
NEW HOUSE CONSTRUCTION-NO

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

3. Well Serves P # of homes and or (eg: barn, restaurant, church, school, industry, etc.)
M=Munic O=OTM N=NonCom P=Private Z=Other X=NonPot A=Anode L=Loop H=Drillhole

High Capacity: Well? N Property? N

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
15 2. Building Overhang
50 3. 1=Septic 2= Holding Tank
60 4. Sewage Absorption Unit
5. Nonconforming Pit
6. Buried Home Heating Oil Tank
7. Buried Petroleum Tank
8. 2 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
14. Building Sewer 1=Gravity 2=Pressure 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
25. Other NR 812 Waste Source

5. Drillhole Dimensions and Construction Method

Dia.(in.)	From (ft)	To (ft)
10.0	surface	30
6.0	30	160

Upper Enlarged Drillhole — Lower Open Bedrock
-- 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 10 in. dia
-- 7. Temp. Outer Casing Removed ? in. dia. ____ depth ft.
Other

Geology Codes	8. Geology Type, Caving/Noncaving, Color, Hardness, etc	From (ft.)	To (ft.)
T_C_	BROWN CLAY	0	10
E_N_	GREEN SANDSTONE	10	50
THN_	FIRM BROWN SANDSTON	50	160

6. Casing Liner Screen

Dia. (in.)	Material, Weight, Specification Manufacturer & Method of Assembly	From (ft.)	To (ft.)
6.0	NEW BLK T/C PIPE ASTM A-53 GR B LTV STEEL 19.45 LBS A F SEIDEMAN NNK	surface	50

Dia.(in.)	Screen type, material & slot size	From	To

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

10. Pump Test
Pumping level 138.0 ft. below surface
Pumping at 20.0 GP M 1.0 Hrs

11. Well Is: 24 in. A Grade (A=Above B=Below)
Developed? Y
Disinfected? Y
Capped? Y

7. Grout or Other Sealing Material

Method	Kind of Sealing Material	From (ft.)	To (ft.)	# Sacks Cement
GROUT PUMP TREMMIE PIPE	PORTLAND CEMENT	surface	30.0	12 S

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

13. Initials of Well Constructor or Supervisory Driller GNP Date Signed 1/18/07

Initials of Drill Rig Operator (Mandatory unless same as above) Date Signed 1/18/07

Additonal Comments?
Owner Sent Label? Y
Variance Issued?
More Geology?

WELL

Batch 1066

Wel. 6

WELL CONSTRUCTOR'S REPORT TO WISCONSIN STATE BOARD OF HEALTH

See Instructions on Reverse Side

1. County Buffalo {Town ☑ Village ☐ City ☐} Dover
Check one and give name

2. Location NW SE Sec 2 T 23N R 10W
Name of street and number of premise or Section, Town and Range numbers

RECEIVED
DEC 17 1959
ENVIRONMENTAL SANITATION

3. Owner ☑ or Agent ☐ Marvin Fenrite
Name of individual, partnership or firm

4. Mail Address Mondovi, Wis
Complete address required

5. From well to nearest: Building 5 ft; sewer 22 ft; drain ____ ft; septic tank 42 ft; dry well or filter bed 105 ft; abandoned well — ft.

6. Well is intended to supply water for: Farm

7. DRILLHOLE:

Dia. (in.)	From (ft.)	To (ft.)	Dia. (in.)	From (ft.)	To (ft.)
8	0	40			
4	40	110			

8. CASING AND LINER PIPE OR CURBING:

Dia. (in.)	Kind and Weight	From (ft.)	To (ft.)
4	Iron	0	42

9. GROUT:

Kind	From (ft.)	To (ft.)
Cement	7'	42

10. FORMATIONS:

Kind	From (ft.)	To (ft.)
Sand	0	16
Sand rock	16	55
Blue rock	55	110

RECEIVED
JAN 20 1960
ENVIRONMENTAL SANITATION

Construction of the well was completed on: Nov 18 1959

The well is terminated 10 inches ☑ above, below ☐ the permanent ground surface.

Was the well disinfected upon completion? Yes ✓ No ____

Was the well sealed watertight upon completion? Yes ✓ No ____

11. MISCELLANEOUS DATA:

Yield test: 5½ Hrs. at 560 GPH.

Depth from surface to water-level: 33 ft.

Water-level when pumping: 31 ft.

Water sample was sent to the state laboratory at: Madison City on Dec 2 1959

Signature Milo Higley Registered Well Driller

Box 167 Elva, Wis Complete Mail Address

Please do not write in space below

DEC – 3 1959

Rec'd ____ No. 42068

Ans'd SAFE

Interpretation ____

	10 ml	10 ml	10 ml	10 ml	10 ml
Gas—24 hrs.					
48 hrs.					
Confirm					
B. Coli	0				

Examiner ____

1856003
plot

BF1033

County Buffalo Twp. Dover Sec. 2

NW, SE, Section 2 T23N, R10W

TO THE WISCONSIN STATE BOARD OF HEALTH, WELL DRILLING DIVISION, MADISON, WIS.

WELL LOG PREMISES DIAGRAM, and REPORT

For Official Record of the Board

(TO BE USED FOR THAT PURPOSE ONLY)

Owner Jul Bjorgo (If a joint ownership give name of responsible official. Also name of each individual holding an interest. Use a separate sheet and attach hereto.)

Address Mondovi Dover Buffalo (City, village, township, county)

Driller Oscar Julson

Address Mondovi Wis

Date of Report April 2 1939

Registration No. 165

Give below the location of the property on which well is drilled.

If incorporated village or city: Name ____ Lot ____ Blk. ____ Street and No. ____

If unincorporated hamlet ____ Name ____ County ____ Twp. ____ Highway ____

If Lake Shore Plat ____ Name of Plat ____ Lake ____ Lot ____ Blk. ____ Street ____

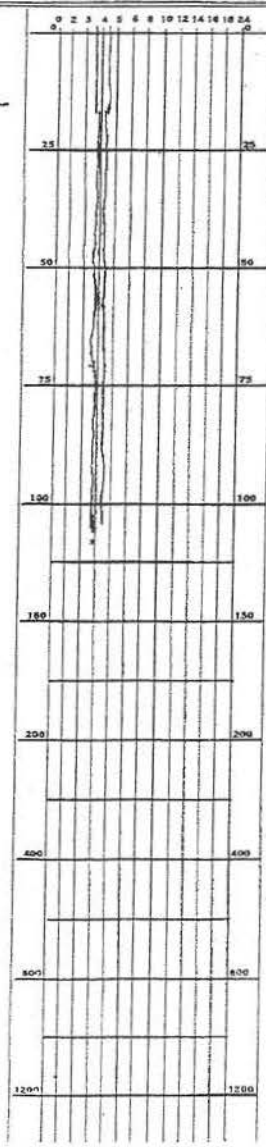
If Subdivision ____ Name ____ County ____ Twp. ____ Sec. ____ Lot ____ Blk. ____

If Farm Jul Bjorgo Buffalo Dover 2

If School ____ County ____ Twp. ____ Sec. ____ Highway C.T.H. Z District ____

If other public building ____ Kind ____ County ____ Twp. ____ Sec. ____

WELL LOG and REPORT

Kind of casing and liner in feet. Kind of shoe. Indicate grout, screen, seal, etc.	WELL DIAGRAM Vertical Lines = in. Dia. Horizontal Lines = ft. Depth Use a red line to show casing	Give depth of formations in feet. State if dry or water bearing.	Record of FINAL Pumping Test
17 ft-4 in Well drillers special steel Pipe 4 in steel drive shoe		4 ft top soil and sand 76 ft Red sand Rock 13 ft Light sand Rock Water Bearing 15 ft Blush sand Rock Water Bearing	Duration of test. Hours 2 Pumping Rate. G. P. M. 7 Depth of pump in well. Ft. 103 Standing water-level (from surface.) Ft. 80 Water level when pumping Ft. ____ Water. End of test. Check: Clear ✓ Cloudy ____ Turbid ____ Was well sterilized before test? Yes ____ No ✓ Date ____ To which Laboratory was sample sent? Madison Date 3-19-39 Was the well sealed on completion? Yes ✓ No ____ How high did you leave casing above grade? 18 Well was completed April 20 1939 Well Driller: Oscar Julson Signature (Be sure to complete the report on the reverse side)

typed version of above:

4 ft. top soil and sand

76 ft. Red sand Rock

13 ft. light sand Rock Water Bearing

15 ft. Blush sand Rock Water Bearing

BF1034

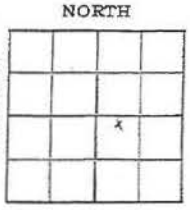
PREMISES DIAGRAM

(See Rules)

Draw a representative sketch of the premises on which this well is located, showing the location of the well with reference to buildings and possible sources of pollution. Indicate the condition of the surroundings by printing descriptive words like high, low, level, slope, lake, river, swamp, forest, meadow, barnyard, cesspool, privy, sewer, etc., at their respective locations and show distance from the well on the sketch. Also show direction of the compass. See Part III of Code for specimen Diagram.

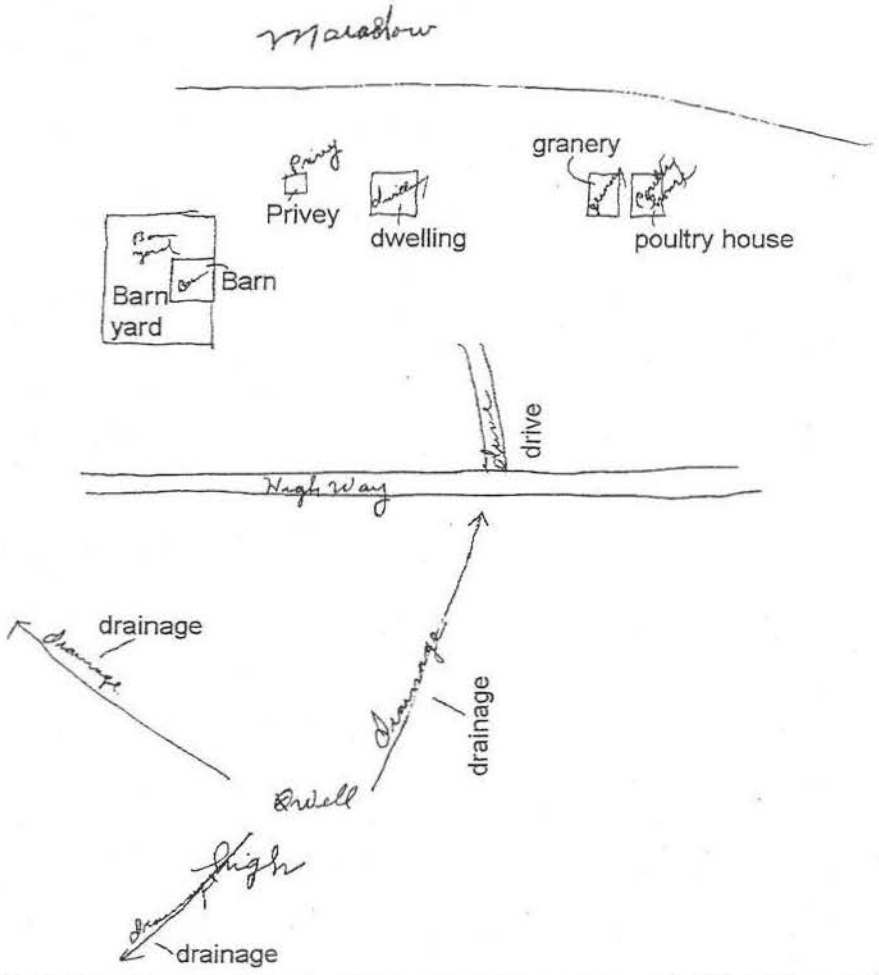
REMARKS: Report blasting and unusual items in this space:

The large square represents one Section of land divided into 40 A. tracts. Indicate position of premises in the Section.

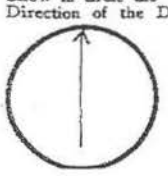


Sec. 2 T. 23 N R. 10 W (E) (W) (Each division equals 10') (If more or less indicate: .....)

DRAW PREMISES DIAGRAM BELOW.
(See Sec. 32 and Illustrations Part III Well Drilling Code)



Show in circle the "North" Direction of the Diagram.



Note: Additional copies of this form may be obtained at 5c per copy in lots of 10 or more. Send remittance with order to State Board of Health, Well Drilling Division, Madison.

BF1034_2

WELL CONSTRUCTOR'S REPORT — WISCONSIN STATE BOARD OF HEALTH — Wel 6

1. COUNTY: Buffalo — CHECK ONE: ☒ Town ☐ Village ☐ City — NAME: Dover

2. LOCATION (Number and Street or ¼ section, section, township and range. Also give subdivision name, lot and block numbers when available.)
✓ N.W. 1/4 of S.E 1/4 Sec. 2 T. 23 N. R. 10 W.

3. OWNER AT TIME OF DRILLING: Marvin Zimmerle

4. OWNER'S COMPLETE MAIL ADDRESS: Rt. 1. Mondovi, Wis

5. Distance in feet from well to nearest: (Record answer in appropriate block)

BUILDING	SANITARY SEWER C. I.	SANITARY SEWER TILE	FLOOR DRAIN C. I.	FLOOR DRAIN TILE	FOUNDATION DRAIN SEWER CONNECTED	FOUNDATION DRAIN INDEPENDENT	WASTE WATER DRAIN C. I.	WASTE WATER DRAIN TILE
6'							70'	

CLEAR WATER DRAIN C. I.	CLEAR WATER DRAIN TILE	SEPTIC TANK	PRIVY	SEEPAGE PIT	ABSORPTION FIELD	BARN	SILO	ABANDONED WELL	SINK HOLE
		50'		74'		200'	200'	17'	

OTHER POLLUTION SOURCES (Give description such as dump, quarry, drainage well, stream, pond, lake, etc.)

6. Well is intended to supply water for: Domestic Purposes

7. DRILLHOLE

Dia. (in.)	From (ft.)	To (ft.)	Dia. (in.)	From (ft.)	To (ft.)
10'	Surface	30'	6"	30'	55'

8. CASING, LINER, CURBING, AND SCREEN

Dia. (in.)	Kind and Weight	From (ft.)	To (ft.)
6"	Steel	Surface	52'

9. GROUT OR OTHER SEALING MATERIAL

Kind	From (ft.)	To (ft.)
Pressure Cement	Surface	30'
10 sacks) Cement		

10. FORMATIONS

Kind	From (ft.)	To (ft.)
Sand + top soil	Surface	5'
Sandstone (soft)	5'	47'
Sandstone (firm)	47'	55'
Old well caved in		

Well construction completed on: 11/29/1966

11. MISCELLANEOUS DATA

Yield test: 3 Hrs. at 15 GPM

Depth from surface to normal water level: 34 ft.

Depth to water level when pumping: 44 ft.

Well is terminated 8 inches ☒ above ☐ below final grade

Well disinfected upon completion ☒ Yes ☐ No

Well sealed watertight upon completion ☒ Yes ☐ No

Water sample sent to Eau Claire, Wis. laboratory on: 11/29/1966

Your opinion concerning other pollution hazards, information concerning difficulties encountered, and data relating to nearby wells, screens, seals, type of casing joints, method of finishing the well, amount of cement used in grouting, blasting, subsurface pumprooms, access pits, etc., should be given on reverse side.

SIGNATURE: Dave Olson Registered Well Driller

COMPLETE MAIL ADDRESS: OLSON BROS. WELL DRILLING CO. R #1 EAU CLAIRE, WIS.

Please do not write in space below

COLIFORM TEST RESULT	GAS — 24 HRS.	GAS — 48 HRS.	CONFIRMED	REMARKS
				1856004

BF1035

Plot

Old well caved in - apparently not enough casing. Will be abandoned proper.

BF1035_2

WELL CONSTRUCTOR'S REPORT

Wel–6

DEC 23 1969

WHITE COPY – DIVISION'S COPY
GREEN COPY – DRILLER'S COPY
YELLOW COPY – OWNER'S COPY

STATE OF WISCONSIN
DEPARTMENT OF NATURAL RESOURCES
Box 450
Madison, Wisconsin 53701

1. COUNTY: Buffalo

CHECK ONE: ☒ Town ☐ Village ☐ City — NAME: Dover

2. LOCATION (Number and Street or ¼ section, section, township and range. Also give subdivision name, lot and block numbers when available.)
NW ¼ Sec 2 - T 23 N - R 10 W — NW, SW, NW, Sec. 2

3. OWNER AT TIME OF DRILLING: Oscar Severson

4. OWNER'S COMPLETE MAIL ADDRESS: Rt #1 Mondovi, Wis. 54755

5. Distance in feet from well to nearest: (Record answer in appropriate block)

BUILDING	SANITARY SEWER C. I.	SANITARY SEWER TILE	FLOOR DRAIN C. I.	FLOOR DRAIN TILE	FOUNDATION DRAIN SEWER CONNECTED	FOUNDATION DRAIN INDEPENDENT	WASTE WATER DRAIN C. I.	WASTE WATER DRAIN TILE
10	78		74					

CLEAR WATER DRAIN C. I.	CLEAR WATER DRAIN TILE	SEPTIC TANK	PRIVY	SEEPAGE PIT	ABSORPTION FIELD	BARN	SILO	ABANDONED WELL	SINK HOLE
		86				131	190		

OTHER POLLUTION SOURCES (Give description such as dump, quarry, drainage well, stream, pond, lake, etc.)

6. Well is intended to supply water for: Dairy Farm

7. DRILLHOLE

Dia. (in.)	From (ft.)	To (ft.)	Dia. (in.)	From (ft.)	To (ft.)
8	Surface	23			
4	23	86			

8. CASING, LINER, CURBING, AND SCREEN

Dia. (in.)	Kind and Weight	From (ft.)	To (ft.)
4	New, Bl. St. Steel, T/C 10.89	Surface	52½

9. GROUT OR OTHER SEALING MATERIAL

Kind	From (ft.)	To (ft.)
Drill cuttings	Surface	23

10. FORMATIONS

Kind	From (ft.)	To (ft.)
Clay	Surface	21
Clay & sand	21	43
Sandstone	43	86

Well construction completed on 12 - 10 1969

11. MISCELLANEOUS DATA

Yield test: 16 Hrs. at 16 GPM

Depth from surface to normal water level 24 ft.

Depth to water level when pumping 34 ft.

Water sample sent to Madison

Well is terminated 14 inches ☒ above ☐ below final grade

Well disinfected upon completion ☒ Yes ☐ No

Well sealed watertight upon completion ☒ Yes ☐ No

laboratory on: 12 - 22 1969

Your opinion concerning other pollution hazards, information concerning difficulties encountered, and data relating to nearby wells, screens, seals, type of casing joints, method of finishing the well, amount of cement used in grouting, blasting, subsurface pumprooms, access pits, etc., should be given on reverse side.

SIGNATURE: Carl F. Schultz Registered Well Driller

COMPLETE MAIL ADDRESS: Cochrane, Wis. 54622

Please do not write in space below

1956037

COLIFORM TEST RESULT	GAS – 24 HRS.	GAS – 48 HRS.	CONFIRMED	REMARKS

BF 1036
REV. 11–68

plat

WELL CONSTRUCTOR'S REPORT
FORM 3300–15

SEP 15 1975

NOTE
WHITE COPY – DIVISION'S COPY
GREEN COPY – DRILLER'S COPY
YELLOW COPY – OWNER'S COPY

STATE OF WISCONSIN
DEPARTMENT OF NATURAL RESOURCES
Box 450
Madison, Wisconsin 53701

1. COUNTY: Buffalo | CHECK ONE: ☒ Town ☐ Village ☐ City | NAME: Dover

2. LOCATION: ¼ Section: SE NE | Section: 2 | Township: 23N | Range: 10W

3. OWNER AT TIME OF DRILLING: Erwin Klopp

OR – Grid or street no. | Street name

ADDRESS: Rt #3

AND – If available subdivision name, lot & block no.

POST OFFICE: Mondovi, Wis.

4. Distance in feet from well to nearest: (Record answer in appropriate block)

BUILDING	SANITARY SEWER C. I.	SANITARY SEWER TILE	FLOOR DRAIN C. I.	FLOOR DRAIN TILE	FOUNDATION DRAIN SEWER CONNECTED	FOUNDATION DRAIN INDEPENDENT	WASTE WATER DRAIN C. I.	WASTE WATER DRAIN TILE
25								

CLEAR WATER DRAIN C. I.	CLEAR WATER DRAIN TILE	SEPTIC TANK	PRIVY	SEEPAGE PIT	ABSORPTION FIELD	BARN	SILO	ABANDONED WELL	SINK HOLE
		72			84				

OTHER POLLUTION SOURCES (Give description such as dump, quarry, drainage well, stream, pond, lake, etc.)

5. Well is intended to supply water for: Home

6. DRILLHOLE

Dia. (in.)	From (ft.)	To (ft.)	Dia. (in.)	From (ft.)	To (ft.)
8	Surface	47			
4	47	54			

7. CASING, LINER, CURBING, AND SCREEN

Dia. (in.)	Kind and Weight	From (ft.)	To (ft.)
4	New Bl Steel T&C 10.89	Surface	47

9. FORMATIONS

Kind	From (ft.)	To (ft.)
Sand	Surface	8
Soft sandstone	8	38
Sandstone	38	54

8. GROUT OR OTHER SEALING MATERIAL

Kind	From (ft.)	To (ft.)
Cuttings	Surface	7
Cement	7	47

10. TYPE OF DRILLING MACHINE USED

☒ Cable Tool ☐ Direct Rotary ☐ Reverse Rotary
☐ Rotary – air w/drilling mud ☐ Rotary – hammer with drilling mud & air ☐ Jetting with ☐ Air ☐ Water

Well construction completed on 9-4 1975

11. MISCELLANEOUS DATA

Yield test: 6 Hrs. at 18 GPM

Depth from surface to normal water level 15 ft.

Depth to water level when pumping 32 ft.

Well is terminated 14 inches ☒ above ☐ below final grade

Well disinfected upon completion ☒ Yes ☐ No

Well sealed watertight upon completion ☒ Yes ☐ No

Water sample sent to Madison laboratory on: 9-10 1975

Your opinion concerning other pollution hazards, information concerning difficulties encountered, and data relating to nearby wells, screens, seals, type of casing joints, method of finishing the well, amount of cement used in grouting, blasting, sub-surface pumprooms, access pits, etc., should be given on reverse side.

SIGNATURE: Carl Schultz Registered Well Driller

COMPLETE MAIL ADDRESS: Cochrane, Wis. 54622

Please do not write in space below 1956038

COLIFORM TEST RESULT	GAS – 24 HRS.	GAS – 48 HRS.	CONFIRMED	REMARKS

REV. 3–71

State of Wisconsin
Department of Natural Resources
Private Water Supply
Box 7921
Madison, Wisconsin 53707

NOTE:
White Copy – Division's Copy
Green Copy – Driller's Copy
Yellow Copy – Owner's Copy

WELL CONSTRUCTOR'S REPORT

Form 3300–15 Rev. 2-79

JAN 2 1 1987

1. COUNTY: Buffalo

CHECK (✓) ONE: ☒ Town ☐ Village ☐ City Name: Dover

2. LOCATION: ¼ Section or Gov't. Lot: SE - SE; Section: 2; Township: 23N; Range: 10W

OR – Grid or Street No. | Street or Road Name: Rt 3 Box 234, Mondovi, WI

AND – If available subdivision name, lot & block No.

3. NAME ☐ OWNER ☒ AGENT AT TIME OF DRILLING CHECK (✓) ONE: Realty World Anibas

ADDRESS: 760 E Main

POST OFFICE: Mondovi, WI 54755 ZIP CODE

4. Distance in feet from well to nearest: (Record answer in appropriate block)

Building	Sanitary Bldg. Drain		Sanitary Bldg. Sewer		Floor Drain Connected To:		Storm Bldg. Drain		Storm Bldg. Sewer	
	C.I.	Other	C.I.	Other	C.I. Sewer	Other Sewer	C.I.	Other	C.I.	Other
15'										

Street Sewer		Other Sewers		Foundation Drain Connected to:		Sewage Sump		Clearwater Sump	Septic Tank	Holding Tank	Sewage Absorption Unit	Manure Hopper or Retention or Pneumatic Tank
San.	Storm	C.I.	Other	Sewer	Sewage Sump	C.I.	Other				Seepage Pit	
None				Clearwater Dr.	Clearwater Sump				75	—	Seepage Bed	
											Seepage Trench 100	

Privy	Pet Waste Pit	Pit: Nonconforming Existing	Subsurface Pumproom	Barn Gutter	Animal Barn Pen	Animal Yard	Silo With Pit	Glass Lined Storage Facility	Silo w/o Pit	Earthen Silage Storage Trench Or Pit	Earthen Manure Basin
None		Well	Nonconforming Existing								
		Pump									
		Tank									

Temporary Manure Stack or Platform	Watertight Liquid Manure Tank or Basin	Manure Pressure Pipe	Subsurface Gasoline or Oil Tank	Waste Pond or Land Disposal Unit (Specify Type)	Manure Storage Basin: Concrete Floor Only	Concrete Floor and Partial Concrete Walls	Other (Describe)
None							Abandoned Well 60'

5. Well is intended to supply water for: Single Family Home

6. DRILLHOLE

Dia. (in.)	From (ft.)	To (ft.)	Dia. (in.)	From (ft.)	To (ft.)
10	Surface	40	6	40	58

7. CASING, LINER, CURBING AND SCREEN
Material, Weight, Specification

Dia. (in.)	Mfg. & Method of Assembly	From (ft.)	To (ft.)
6	New Blk. St. T & C ASTM A-53 19.45lbs.	Surface	43
	Seideman (NKK)		

8. GROUT OR OTHER SEALING MATERIAL

Kind	From (ft.)	To (ft.)
Cement Grout	Surface	40

9. FORMATIONS

Kind	From (ft.)	To (ft.)
Top Soil	Surface	3
Clay	3	11
Shale	11	30
SandStone	30	58

10. TYPE OF DRILLING MACHINE USED

☒ Cable Tool ☐ Rotary-air w/drilling mud ☐ Rotary-w/drilling mud ☐ Rotary-hammer w/drilling mud & air ☐ Rotary-hammer & air ☐ Reverse Rotary ☐ Jetting with Air Water

Well construction completed on December 16, 1986

11. MISCELLANEOUS DATA

Yield Test: 2 Hrs. at 10 GPM

Depth from surface to normal water level 20 Ft.

Depth of water level when pumping 30 Ft. Stabilized ☒ Yes ☐ No

Well is terminated 18 inches ☒ above ☐ below final grade

Well disinfected upon completion ☒ Yes ☐ No

Well sealed watertight upon completion ☒ Yes ☐ No

Water sample sent to Will follow after installation of pump by Pelke Plumbing & Heating, Inc. laboratory on _____ 19____

Your opinion concerning other pollution hazards, information concerning difficulties encountered, and data relating to nearby wells, screens, seals, method of finishing the well, amount of cement used in grouting, blasting, etc., should be given on reverse side.

Signature: Donald L. Pelke Registered Well Driller

Business Name and Complete Mailing Address:
Pelke Plumbing & Heating, Inc.
835 Riverside Avenue, Mondovi, WI 54755

BF207

WELL CONSTRUCTOR'S REPORT

Wel–6

FEB 2 19??

WHITE COPY – DIVISION'S COPY
GREEN COPY – DRILLER'S COPY
YELLOW COPY – OWNER'S COPY

STATE OF WISCONSIN
DEPARTMENT OF NATURAL RESOURCES
Box 450
Madison, Wisconsin 53701

1. COUNTY: Buffalo

CHECK ONE: ☒ Town ☐ Village ☐ City — NAME: Dover

2. LOCATION (Number and Street or ¼ section, section, township and range. Also give subdivision name, lot and block numbers when available.)
NESE ¼ Sec 11 – T23N – R10W

3. OWNER AT TIME OF DRILLING
Joseph Helgeson

4. OWNER'S COMPLETE MAIL ADDRESS
RFD 2 Independence, Wis 54747

5. Distance in feet from well to nearest: (Record answer in appropriate block)

BUILDING	SANITARY SEWER C. I.	SANITARY SEWER TILE	FLOOR DRAIN C. I.	FLOOR DRAIN TILE	FOUNDATION DRAIN SEWER CONNECTED	FOUNDATION DRAIN INDEPENDENT	WASTE WATER DRAIN C. I.	WASTE WATER DRAIN TILE
27	35		34					

CLEAR WATER DRAIN C. I.	CLEAR WATER DRAIN TILE	SEPTIC TANK	PRIVY	SEEPAGE PIT	ABSORPTION FIELD	BARN	SILO	ABANDONED WELL	SINK HOLE
		51							

OTHER POLLUTION SOURCES (Give descriptions such as dump, quarry, drainage well, stream, pond, lake, etc.)

6. Well is intended to supply water for: New Home

7. DRILLHOLE

Dia. (in.)	From (ft.)	To (ft.)	Dia. (in.)	From (ft.)	To (ft.)
8	Surface	22			
4	22	81			

8. CASING, LINER, CURBING, AND SCREEN

Dia. (in.)	Kind and Weight	From (ft.)	To (ft.)
4	New Bl Steel T&C 10.89	Surface	40

9. GROUT OR OTHER SEALING MATERIAL

Kind	From (ft.)	To (ft.)
Drill cuttings	Surface	22

10. FORMATIONS

Kind	From (ft.)	To (ft.)
Clay	Surface	5
Sand	5	33
Sandstone	33	81

Well construction completed on 1-20 19??

Well is terminated 12 inches ☒ above ☐ below final grade

Well disinfected upon completion ☒ Yes ☐ No

Well sealed watertight upon completion ☒ Yes ☐ No

11. MISCELLANEOUS DATA

Yield test: 7 Hrs. at 15 GPM

Depth from surface to normal water level 44 ft.

Depth to water level when pumping 48 ft.

Water sample sent to Madison laboratory on: 2-1 19??

Your opinion concerning other pollution hazards, information concerning difficulties encountered, and data relating to nearby wells, screens, seals, type of casing joints, method of finishing the well, amount of cement used in grouting, blasting, subsurface pumprooms, a cess pits, etc., should be given on reverse side.

SIGNATURE: Carl F. Schultz Registered Well Driller

COMPLETE MAIL ADDRESS: Cochrane, Wis. 54622

Please do not write in space below

COLIFORM TEST RESULT	GAS – 24 HRS.	GAS – 48 HRS.	CONFIRMED	REMARKS 1856010

BF1043
REV. 11–68

WISCONSIN UNIQUE WELL NUMBER **YK507**
Source: ELECTRONICALLY

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

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

Depth 65 FT

Property Owner: STRAIN, ZACHARY — Telephone Number: 715-946-3330

Mailing Address: S716 BAUER VALLEY ROAD

City: ELEVA — State: WI — Zip Code: 54738

County of Well Location: 6 BUFFALO — Co Well Permit No: WC W — Well Completion Date: July 3, 2014

1. Well Location
T=Town C=City V=Village: T of DOVER — Fire#: S716

Street Address or Road Name and Number: BAUER VALLEY ROAD

Subdivision Name — Lot# — Block #

Well Constructor: KELLY ●IUM WELL DRILLING INC — License #: 8217

Facility ID (Public)

Address: N50021 MISSELL ROAD

Public Well Plan Approval#

City: STRUM — State: WI — Zip Code: 54770

Date Of Approval

Hicap Permanent Well # — Common Well #

Specific Capacity: 10 gpm/ft

Gov't Lot — or SE 1/4 of SE 1/4 of

Section 12 T 23 N R 10 W

2. Well Type 1 (See item 12 below)
1=New 2=Replacement 3=Reconstruction

of previous unique well # _____ constructed in _____

Reason for replaced or reconstructed Well?

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

3. Well Serves P # of homes and or CATTLE (eg: barn, restaurant, church, school, industry, etc.)

M=Munic O=OTM N=NonCom P=Private 2=Other X=NonPot A=Aerde L=Loop H=Drillhole

High Capacity: Well? N Property? N

4. Is the well located upslope or sideslope and not downslope from any contamination sources, including those n neighboring properties? y

Well located in floodplain? N

Distance in feet from well to nearest (including proposed)

1. Landfill
90 2. Building Overhang
3. 1=Septic 2= Holding Tank
4. Sewage Absorption Unit
5. Nonconforming Pit
6. Buried Home Heating Oil Tank
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
14. Building Sewer 1=Gravity 2=Pressure 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. ●ther manure Storage
24. Ditch
25. Other NR 812 Waste Source

5. Drillhole Dimensions and Construction Method

Dia.(in.)	From (ft)	To (ft)
10.0	surface	30
6.0	30	65

Upper Enlarged Drillhole — Lower Open Bedrock
– 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 10 in. dia
– 7. Temp. ●uter Casing _ in. dia. _____ depth ft. Removed ?
Other

Geology Codes	8. Geology Type, Caving/Noncaving, Color, Hardness, etc	From (ft.)	To (ft.)
TVX_	Brown, Non-Caving, Sand & Clay	0	22
TVN_	Tan, Soft, Non-Caving, Sandstone	22	35
THN_	Tan/Brown, Hard/Firm, Sandstone	35	65

6. Casing Liner Screen

Dia. (in.)	Material, Weight, Specification Manufacturer & Method of Assembly	From (ft.)	To (ft.)
6.0	6.620 X A53B.280 EW TC	surface	35

Dia.(in.)	Screen type, material & slot size	From	To

7. Grout or ●ther Sealing Material

Method	Kind of Sealing Material	From (ft.)	To (ft.)	# Sacks Cement
GROUT PUMP TREMIE PIPE	NEAT CEMENT GROUT	surface	30.0	20 S

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

10. Pump Test
Pumping level 20.0 ft. below surface
Pumping at 20.0 GP M 2.0 Hrs

11. Well is: 30 in. A Grade A=Above B=Below
Developed? Y
Disinfected? Y
Capped? Y

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

13. Initials of Well Constructor or Supervisory Driller: KO — Date Signed: 7/8/14

Initials of Drill Rig Operator (Mandatory unless same as above): BG — Date Signed: 7/8/14

Additonal Comments?
Owner Sent Label? Y
Variance Issued? N
More Geology?

ELECTRONIC

Batch 888888888

WISCONSIN UNIQUE WELL NUMBER **LI395**

Source: WELL CONSTRUCTION

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

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

Property Owner: PATTROW, JIM
Telephone Number: - -
Depth 60 FT

Mailing Address: 3030 110TH ST

City: CHIPPEWA FALLS
State: WI
Zip Code: 54729

County of Well Location: 6 BUFFALO
Co Well Permit No: WC W
Well Completion Date: October 29, 1996

1. Well Location
T=Town C=City V=Village: T of DOVER
Fire#:
Street Address or Road Name and Number: CTY RD Z
Subdivision Name:
Lot#:
Block #:

Well Constructor: DONALD S FEDIE
License #: 127
Facility ID (Public):

Address: W536 U S HWY 10
Public Well Plan Approval#:

City: MONDOVI
State: WI
Zip Code: 54755
Date of Approval:

Hicap Permanent Well #:
Common Well #:
Specific apacity: 1.3 gpm/ft

Gov't Lot or NE 1/4 of NW 1/4 of
Section 12 T 23 N R 10 W

2. Well Type: 1 (See item 12 below)
1=New 2=Replacement 3=Reconstruction
of previous unique well # _____ constructed in 0

Reason for replaced or reconstructed Well?
NEW CONSTRUCTION

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

3. Well Serves: P
# of homes and or (eg: barn, restaurant, church, school, industry, etc.)
M=Munic O=OTM N=NonCom P=Private 2=Other X=NonPot A=Anode L=Loop H=Drillhole

High Capacity Well? N
Property? N

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
10 2. Building Overhang
3. 1=Septic 2= Holding Tank
4. Sewage Absorption Unit
5. Nonconforming Pit
6. Buried Home Heating Oil Tank
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
14. Building Sewer 1=Gravity 2=Pressure 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
25. Other NR 812 Waste Source

5. Drillhole Dimensions and Construction Method

Dia.(in.)	From (ft)	To (ft)
10.0	surface	30
6.0	30	60

Upper Enlarged Drillhole — Lower Open Bedrock
-- 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 10 in. dia
-- 7. Temp Outer Casing in. dia. ____ depth ft. Removed ?
Other

Geology Codes	8. Geology Type, Caving/Noncaving, Color, Hardness, etc	From (ft.)	To (ft.)
_I_	TOP SOIL	0	1
_VC_	BROWN NON CAVING CLAY	1	7
_SN_	SOFT NON CAVING BROWN	7	21
_MN_	SEMIFIRM BROWN SANDSTONE	21	27
_HN_	FIRM BROWN SANDSTONE	27	60

6. Casing Liner Screen Material, Weight, Specification

Dia. (in.)	Manufacturer & Method of Assembly	From (ft.)	To (ft.)
6.0	TC PIPE ASTMA53 GR B 1945 LBS FT IPSCO USAAF SEIDEMAN CO	surface	33

Dia (in.)	Screen type, material & slot size	From	To

9. Static Water Level: 29.0 feet B ground surface (A=Above B=Below)

10. Pump Test
Pumping level 38.0 ft. below surface
Pumping at 12.0 GP M 2.0 Hrs

11. Well is: 16 in. A Grade (A=Above B=Below)
Developed? Y
Disinfected? Y
Capped? Y

7. Grout or Other Sealing Material
Method TREMIE PIPE GRAVITY

Kind of Sealing Material	From (ft.)	To (ft.)	# Sacks Cement
DRILL SLURRY	surface	1.0	
NEAT CEMENT GROUT	1.0	30.0	16 S

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

13. Initials of Well Constructor or Supervisory Driller: DF
Date Signed: 10/29/96

Initials of Drill Rig Operator (Mandatory unless same as above)
Date Signed: 10/29/96

Addition l Comments?
Owner Sent Label? Y
Variance Issued?
More Geology?

WELL

Batch 418

WISCONSIN UNIQUE WELL NUMBER **TR351**
Source: ELECTRONICALLY

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

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

Depth 50 FT

Property Owner: BAUER, DAREN
Telephone Number: 715-946-3226

Mailing Address: W47 CTY RD Z

City: ELEVA
State: WI
Zip Code: 54738

County of Well Location: 6 BUFFALO
Co Well Permit No: W WC
Well Completion Date: June 28, 2004

1. Well Location
T=Town C=City V=Village: T of DOVER
Fire#: W47

Street Address or Road Name and Number: SAME

Subdivision Name:
Lot#:
Block #:

Well Constructor: KELLY OIUM
License #: 6244
Facility ID (Public):

Address: 50855 THOMPSON RD
Public Well Plan Approval#:

City: ELEVA
State: WI
Zip Code: 54738
Date Of Approval:

Hicap Permanent Well #:
Common Well #:
Specific Capacity: 2.3 gpm/ft

Govt Lot: or NE 1/4 of NW 1/4 of
Section 12 T 23 N R 10 W

2. Well Type 2 (See item 12 below)
1=New 2=Replacement 3=Reconstruction
of previous unique well # _____ constructed in _____
Reason for replaced or reconstructed Well?

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

3. Well Serves P # of homes and or CATTLE WATERER (eg: barn, restaurant, church, school, industry, etc.)
M=Munic O=OTM N=NonCom P=Private 2=Other X=NonPot A=Anode L=Loop H=Drillhole

High Capacity:
Well? N
Property? N

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
85 2. Building Overhang
300 3. 1=Septic 2= Holding Tank
400 4. Sewage Absorption Unit
5. Nonconforming Pit
6. Buried Home Heating Oil Tank
7. Buried Petroleum Tank
8. 2 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
14. Building Sewer 1=Gravity 2=Pressure 1=Cast Iron or Plastic 2=Other
15. Collector Sewer: ___ units ___ in. diam.
16. Clearwater Sump
17. Wastewater Sump
18. Paved Animal Barn Pen
60 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
25. Other NR 812 Waste Source

5. Drillhole Dimensions and Construction Method

Dia.(in.)	From (ft)	To (ft)
8.0	surface	30
6.0	30	50

Upper Enlarged Drillhole
– 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 8 in. dia
– 7. Temp. Outer Casing _ in. dia. ____ depth ft. Removed ?
Other
Lower Open Bedrock

6. Casing Liner Screen Material, Weight, Specification Manufacturer & Method of Assembly

Dia. (in.)		From (ft.)	To (ft.)
6.0	IPSCO ASTM A53B.280 P/E STEEL CASING	surface	31

Dia.(in.)	Screen type, material & slot size	From	To

7. Grout or Other Sealing Material
Method GROUT PUMP TREMMIE PIPE

Kind of Sealing Material	From (ft.)	To (ft.)	# Sacks Cement
NEAT CEMENT GROUT	surface	30.0	10 S

Geology Codes	8. Geology Type, Caving/Noncaving, Color, Hardness, etc	From (ft.)	To (ft.)
T_C_	Tan/Brown, Clay	0	21
TSN_	Tan/Brown, Soft/Loose, Sandstone	21	29
THN_	Tan/Brown, Hard/Firm, Sandstone	29	50

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

10. Pump Test
Pumping level 20.0 ft. below surface
Pumping at 14.0 GP M 2.0 Hrs

11. Well Is: 18 in. A Grade
A=Above B=Below
Developed? Y
Disinfected? Y
Capped? Y

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: KO Date Signed: 6/28/04

Initials of Drill Rig Operator (Mandatory unless same as above): DT Date Signed: 6/28/04

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

ELECTRONIC

Batch 888888888

WELL CONSTRUCTOR'S REPORT TO WISCONSIN STATE BOARD OF HEALTH

See Instructions on Reverse Side

DEC 11 1945

1. County Buffalo { Town / Village / City Dover

2. Location NE, NE, Sec 12 Town 23N R 10 W

3. Owner or Agent James Swanson

4. Address Elva Rout 2 Wis

5. From well to nearest: Building 4 ft; sewer 80 rd ft; drain ____ ft; septic tank ____ ft; dry well or filter bed ____ ft; abandoned well ____ ft.

6. Well is intended to supply water for: house and farm

7. DRILLHOLE OR EXCAVATION:

Dia. (in.)	From (ft.)	To (ft.)
4"	8	48

8. CASING AND LINER PIPE OR CURBING:

Dia. (in.)	Kind	From (ft.)	To (ft.)
4	steel pipe	7	44
4x6	concrete joined to cellar	0	8

9. GROUT:

Kind	From (ft.)	To (ft.)
Puddled Clay	8	20

10. FORMATIONS:

Kind	Thickness (ft.)	Total Depth (ft.)
Clay 10 ft	10	
Sand	20	30
4" steel pipe	36	44
Sandrock		77

11. MISCELLANEOUS DATA:

Yield test: 2 Hrs. at 5 GPM.

Depth from surface to water: 20 ft.

Water level when pumping: 25 ft.

Water sample sent to laboratory at Madison on Dec 3 1945

Signature Sam Higley
Registered Well Driller

Construction of the well was completed on Nov 16 Nov 16 1945

The well is terminated ____ inches (above) (below) the permanent grade.

Was the well disinfected upon completion? Yes ____ No ____

Was the well sealed watertight upon completion? Yes ____ No ____

Elva box 66
Complete Mail Address

1856006

BF 1044

APPENDIX C

Soil Boring Logs
Temporary Monitoring Well Construction Forms

State of Wisconsin
Department of Natural Resources

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

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

Page 1 of 1

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Julson Store (Former)		GP-1

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
First Name: Darin Last Name: Keith Firm: Geiss	6/12/2017 (m m / d d / y y y y)	6/12/2017 (m m / d d / y y y y)	Geoprobe

WI Unique Well No.	DNR Well ID No.	Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
_ _ _ _ _ _ _	_ _ _ _		_____ Feet MSL	_____ Feet MSL	_____ inches

Local Grid Origin ☐ (estimated: ☐) or Boring Location ☐
State Plane _____ N. _____ E
_____ 1/4 of _____ 1/4 of Section _____, T _____ N. R _____
Lat ° ' "
Long ° ' "
Local Grid Location ☐ N ☐ E _____ Feet ☐ S _____ Feet ☐ W

Facility ID	County	County Code	Civil Town/City/ or Village
	Buffalo		Dover Twshp.

Sample Number and Type	Sample 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: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
				brown med. sand w/ brick + stone			1 inch Temp well	5		dry				
			5	F. sand. wet @ 7' black stained. Petro odor				70		wet				
			10	F. sand. dark stained. petro odor				70						
				dark stain to 14' clayey sand. reddish clean sand at 15'				50						
			15	EOB = 16 ft.										

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

Signature _____ Firm Mer-Dian Environmental Cslt

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

State of Wisconsin
Department of Natural Resources

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

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

Page 1 of 1

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Julson Store (Former)		GP-2

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
First Name: Darrin Last Name: Keith Firm: Geiss	6/12/2017 (m m d d y y y y)	6/12/2017 (m m d d y y y y)	Geoprobe

WI Unique Well No.	DNR Well ID No.	Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
_ _ _ _ _ _ _	_ _ _ _		_____ Feet MSL	_____ Feet MSL	_____ inches

Local Grid Origin ☐ (estimated: ☐) or Boring Location ☐
State Plane _____ N, _____ E
_____ 1/4 of _____ 1/4 of Section _____, T _____ N, R _____
Lat ° ' "
Long ° ' "
Local Grid Location ☐ N ☐ E _____ Feet ☐ S _____ Feet ☐ W

Facility ID	County	County Code	Civil Town/City/ or Village
	Buffalo		Dover Twshp.

Sample Number and Type	Sample 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: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
				brown well-sorted Fill sand.				6		dry				
			5	brown f. sandy/silty sand				2		moist				
			10	silty sand. moist to wet				1		wet				
				brown sandy silt				3						
			15	EOB = 16 ft.										

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

Signature _____ Firm Meridian Environmental 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.

State of Wisconsin
Department of Natural Resources

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

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

Page 1 of 1

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Julson Store (Former)		GP-3

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
First Name: Dustin Last Name: Keith Firm: GeoSS	6/12/2017	6/12/2017	Geoprobe

WI Unique Well No.	DNR Well ID No.	Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
			_____ Feet MSL	_____ Feet MSL	_____ inches

Local Grid Origin ☐ (estimated: ☐) or Boring Location ☐		Local Grid Location
State Plane _____ N. _____ E	Lat ° ' "	☐ N ☐ E
_____ 1/4 of _____ 1/4 of Section _____, T _____ N, R _____	Long ° ' "	_____ Feet ☐ S _____ Feet ☐ W

Facility ID	County	County Code	Civil Town/City/ or Village
	Buffalo		Dover Twshp.

Sample Number and Type	Sample 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: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
				F. sand. some bedding at 3'			1 inch temp well	1		dry				
			5	black peat to 6' then black F. sand				1		moist				
			10	gray F. sand				4		wet				
				gray sandy silt				1						
			15											
				EOB = 16 Ft.										

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

Signature _____ Firm Mer. dian Environmental Cslt

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

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

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

Page 1 of 1

Facility/Project Name: Julson Store (Former)	License/Permit/Monitoring Number	Boring Number: GP-4

Boring Drilled By: Name of crew chief (first, last) and Firm — First Name: Darin Last Name: Keith; Firm: GeoSS	Date Drilling Started: 6/12/2017	Date Drilling Completed: 6/12/2017	Drilling Method: Geoprobe
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 ☐ (estimated: ☐) or Boring Location ☐
State Plane _____ N. _____ E
_____ 1/4 of _____ 1/4 of Section _____, T _____ N, R _____
Lat ° ' "
Long ° ' "
Local Grid Location: _____ Feet ☐ N ☐ S _____ Feet ☐ E ☐ W

Facility ID	County: Buffalo	County Code	Civil Town/City/ or Village: Dover Twshp.

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: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
			0	brown F. sand				3		moist				
			5					0		wet				
			10					0						
			15	brown F. sand grading to F. silt				0						
				EOB = 16 ft.										

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

Signature: _____ Firm: Mer. dian Environmental Cslty

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State of Wisconsin
Department of Natural Resources

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

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

Page 1 of 1

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Julson Store (Former)		BP-5

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
First Name: Darin Last Name: Keith Firm: GeoSS	6/12/2017 (m m / d d / y y y y)	6/12/2017 (m m / d d / y y y y)	Geoprobe

WI Unique Well No.	DNR Well ID No.	Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
_ _ _ _ _ _ _	_ _ _ _		_____ Feet MSL	_____ Feet MSL	_____ inches

Local Grid Origin ☐ (estimated: ☐) or Boring Location ☐
State Plane _____ N. _____ E
_____ 1/4 of _____ 1/4 of Section _____, T _____ N, R _____
Lat ° ' "
Long ° ' "
Local Grid Location ☐ N ☐ E _____ Feet ☐ S _____ Feet ☐ W

Facility ID	County	County Code	Civil Town/City/ or Village
	Buffalo		Osseo Twshp.

Sample Number and Type	Sample 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: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
				brown F. sand				0		moist				
			5					0						
			10	silt layer odor				30						
				brown F. sand										
				EOB = 12 ft.										
			15											

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

Signature _____ Firm Meridian Environmental Cslt

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

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

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

Page 1 of 1

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Julson Store (Former)		GP-6

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
First Name: Darrin Last Name: Keith Firm: Geiss	6/12/2017 (m m/d d/y y y y)	6/12/2017 (m m/d d/y y y y)	Geoprobe

WI Unique Well No.	DNR Well ID No.	Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
_ _ _ _ _ _	_ _ _ _		_____ Feet MSL	_____ Feet MSL	_____ inches

Local Grid Origin ☐ (estimated: ☐) or Boring Location ☐
State Plane _____ N, _____ E
_____ 1/4 of _____ 1/4 of Section _____, T _____ N, R _____
Lat ° ' "
Long ° ' "
Local Grid Location ☐ N ☐ E _____ Feet ☐ S _____ Feet ☐ W

Facility ID	County	County Code	Civil Town/City/ or Village
	Buffalo		Dover Twshp.

Sample Number and Type	Sample 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: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
				brown silt loam w/ sand dark organic soils 3'				2		moist				
			5	brown f. sand w/ silt odor				60						
			10					100		wet				
				EOB = 12 ft.										
			15											

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

Signature _____ Firm Mer. Tech Environmental Cslt

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

State of Wisconsin
Department of Natural Resources

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

MONITORING WELL CONSTRUCTION

Form 4400-113A Rev. 7-98

Facility/Project Name: Julson Store Former	Local Grid Location of Well: ____ ft. ☐N ☐S ____ ft. ☐E ☐W	Well Name: T-1
Facility License, Permit or Monitoring No.	Local Grid Origin ☐ (estimated: ☐) or Well Location ☐ 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: 6/12/2017 (m m d d y y y y)
Type of Well / Well Code ____/____	Section Location of Waste/Source: ____ 1/4 of ____ 1/4 of Sec. ____ T. ____ N. R. ____ ☐E ☐W	Well Installed By: Name (first, last) and Firm: Dan + Keith Geoprobe
Distance from Waste/Source ____ ft. / Enf. Stds. Apply ☐	Location of Well Relative to Waste/Source: u ☐ Upgradient s ☐ Sidegradient d ☐ Downgradient n ☐ Not Known	Gov. Lot Number

A. Protective pipe, top elevation: none ft. MSL

B. Well casing, top elevation: 2 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 ☑ Geoprobe

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 5 ft.

I. Well bottom ____ ft. MSL or 15 ft.

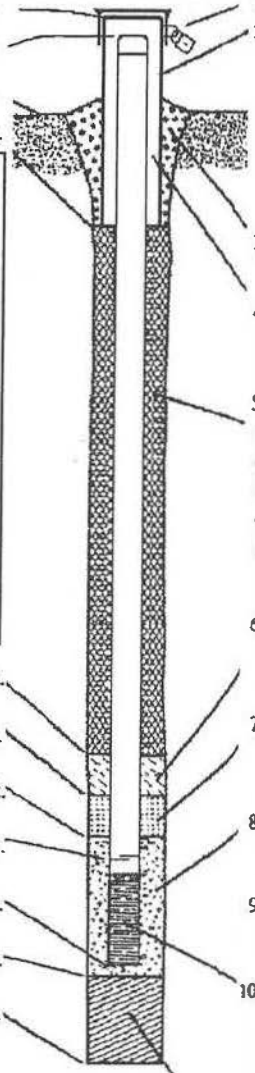
J. Filter pack, bottom ____ ft. MSL or 16 ft.

K. Borehole, bottom ____ ft. MSL or 16 ft.

L. Borehole, diameter: 2 in.

M. O.D. well casing: 1 in.

N. I.D. well casing: 1 in.



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^3 volume added for any of the above
f. How installed: Tremie ☐ 01 Tremie pumped ☐ 02 Gravity ☐ 08

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

7. Fine sand material: Manufacturer, product name & mesh size
a. ____
b. Volume added ____ ft^3

8. Filter pack material: Manufacturer, product name & mesh size
a. ____
b. Volume added ____ ft^3

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

10. Screen material: Sch. 40 PVC
a. Screen type: Factory cut ☑ 11 Continuous slot ☐ 01 Other ☐
____
b. Manufacturer ____
c. Slot size: 0.1 in.
d. Slotted length: 10 ft.

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

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

Signature: [signature] Firm: Meridian Environmental Consulting 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.

GP-2

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

Well / Drillhole / Borehole Filling & Sealing Report

Form 3300-005 (R 4/2015)

Notice: Completion of this report is required by chs. 160, 281, 283, 289, 291-293, 295, and 299, Wis. Stats., and chs. NR 141 and 812, 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 DNR Bureau:
☐ Drinking Water ☐ Watershed/Wastewater ☐ Remediation/Redevelopment
☐ Waste Management ☐ Other: _____

1. Well Location Information

County	WI Unique Well # of Removed Well	Hicap #
Buffalo	_ _ _ _ _	

Latitude / Longitude (see instructions)	Format Code	Method Code
_____ N	☐ DD	☐ GPS008
_____ W	☐ DDM	☐ SCR002 ☐ OTH001

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

Well Street Address: SE corner CTH Z + BB

Well City, Village or Town	Well ZIP Code
Dover Twshp	

Subdivision Name	Lot #

Reason for Removal from Service	WI Unique Well # of Replacement Well
soil boring	_ _ _ _ _

2. Facility / Owner Information

Facility Name: Julson Store (former)

Facility ID (FID or PWS):

License/Permit/Monitoring #:

Original Well Owner:

Present Well Owner: John Marum

Mailing Address of Present Owner:

City of Present Owner	State	ZIP Code
Mondovi	WI	54755

3. Filled & Sealed Well / Drillhole / Borehole Information

☐ Monitoring Well
☐ WaterWell
☑ Borehole / Drillhole

Original Construction Date (mm/dd/yyyy): 6-12-2017

If a Well Construction Report is available, please attach.

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

Formation Type:
☑ Unconsolidated Formation ☐ Bedrock

Total Well Depth From Ground Surface (ft.)	Casing Diameter (in.)
NA	NA

Lower Drillhole Diameter (in.)	Casing Depth (ft.)
2 in.	NA

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

If yes, to what depth (feet)?	Depth to Water (feet)
NA	~8 ft.

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

Pump and piping removed?	☐ Yes	☐ No	☐ N/A
Liner(s) removed?	☐ Yes	☐ No	☐ N/A
Liner(s) perforated?	☐ 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 ☐ Concrete
☐ Sand-Cement (Concrete) Grout ☐ 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
bentonite chips	Surface	16	~1/4 bag	

6. Comments

7. Supervision of Work

Name of Person or Firm Doing Filling & Sealing	License #	Date of Filling & Sealing or Verification (mm/dd/yyyy)
Meridian Env. Llc	1061	6-12-17

Street or Route	Telephone Number
2711 N. Elco Rd	(715) 832-6605

City	State	ZIP Code	Signature of Person Doing Work	Date Signed
Fall Creek	WI	54742		6-12-2017

DNR Use Only

Date Received	Noted By

Comments:

State of Wisconsin
Department of Natural Resources

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

MONITORING WELL CONSTRUCTION

Form 4400-113A Rev. 7-98

Facility/Project Name: Tulson Store Former	Local Grid Location of Well: ____ ft. ☐N. ☐S. ____ ft. ☐E. ☐W.	Well Name: T-3
Facility License, Permit or Monitoring No.	Local Grid Origin ☐ (estimated: ☐) or Well Location ☐ 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: 6/12/2017 (m m d d y y y y)
Type of Well: Well Code ____/____	Section Location of Waste/Source: ____ 1/4 of ____ 1/4 of Sec. ____, T. ____ N, R. ____ ☐E ☐W	Well Installed By: Name (first, last) and Firm: Dave + Keith Geiss
Distance from Waste/Source ____ ft. / Enf. Stds. Apply ☐	Location of Well Relative to Waste/Source: u ☐ Upgradient s ☐ Sidegradient d ☐ Downgradient n ☐ Not Known	Gov. Lot Number

A. Protective pipe, top elevation none ft. MSL

B. Well casing, top elevation 2 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 ☑ Geoprobe

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 6 ft.

I. Well bottom ____ ft. MSL or 16 ft.

J. Filter pack, bottom ____ ft. MSL or 16 ft.

K. Borehole, bottom ____ ft. MSL or 16 ft.

L. Borehole, diameter 2 in.

M. O.D. well casing 1 in.

N. I.D. well casing 1 in.

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^3 volume added for any of the above
f. How installed: Tremie ☐ 01 Tremie pumped ☐ 02 Gravity ☐ 08

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

7. Fine sand material: Manufacturer, product name & mesh size
a. ____
b. Volume added ____ ft^3

8. Filter pack material: Manufacturer, product name & mesh size
a. ____
b. Volume added ____ ft^3

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

10. Screen material: Sch. 40 PVC
a. Screen type: Factory cut ☑ 11 Continuous slot ☐ 01 Other ☐ ____
b. Manufacturer ____
c. Slot size: 0.1 in.
d. Slotted length: 10 ft.

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

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

Signature: [signature] Firm: Meridian Environmental Consulting 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.

State of Wisconsin
Department of Natural Resources

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

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

Facility/Project Name: Julson Store Former	Local Grid Location of Well ☐ N. ____ ft. ☐ S. ☐ E. ____ ft. ☐ W.	Well Name: T-4
Facility License, Permit or Monitoring No.	Local Grid Origin ☐ (estimated: ☐) or Well Location ☐ 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: 6/12/2017 (m m d d y y y y)
Type of Well: Well Code ____/____	Section Location of Waste/Source: ____ 1/4 of ____ 1/4 of Sec. ____, T. ____ N, R. ____ ☐ E ☐ W	Well Installed By: Name (first, last) and Firm: Dan + Keith Geiss
Distance from Waste/Source ____ ft. / Enf. Stds. Apply ☐	Location of Well Relative to Waste/Source: u ☐ Upgradient s ☐ Sidegradient d ☐ Downgradient n ☐ Not Known	Gov. Lot Number

A. Protective pipe, top elevation none ft. MSL
B. Well casing, top elevation 2 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

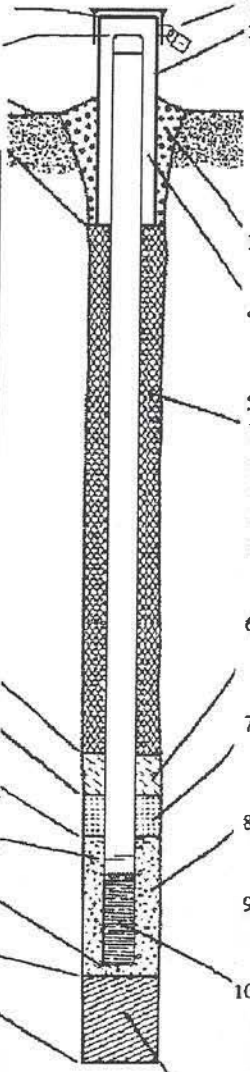
14. Drilling method used: Rotary ☐ 50 Hollow Stem Auger ☐ 41 Other ☑ Geoprobe

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 6 ft.
I. Well bottom ____ ft. MSL or 16 ft.
J. Filter pack, bottom ____ ft. MSL or 16 ft.
K. Borehole, bottom ____ ft. MSL or 16 ft.
L. Borehole, diameter 2 in.
M. O.D. well casing 1 in.
N. I.D. well casing 1 in.



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^3 volume added for any of the above
f. How installed: Tremie ☐ 01 Tremie pumped ☐ 02 Gravity ☐ 08
6. Bentonite seal: a. Bentonite granules ☐ 33
b. ☐ 1/4 in. ☐ 3/8 in. ☐ 1/2 in. Bentonite chips ☑ 32
c. ____ Other ☐ ____ ____
7. Fine sand material: Manufacturer, product name & mesh size
a. ____ ____
b. Volume added ____ ft^3
8. Filter pack material: Manufacturer, product name & mesh size
a. ____ ____
b. Volume added ____ ft^3
9. Well casing: Flush threaded PVC schedule 40 ☑ 23 Flush threaded PVC schedule 80 ☐ 24 Other ☐ ____ ____
10. Screen material: Sch. 40 PVC ____
a. Screen type: Factory cut ☑ 11 Continuous slot ☐ 01 Other ☐ ____ ____
b. Manufacturer ____
c. Slot size: .1 in.
d. Slotted length: 10 ft.
11. Backfill material (below filter pack): None ☑ 14 Other ☐ ____ ____

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

Signature: [signature] Firm: Meridian 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.

GP-5

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

Well / Drillhole / Borehole Filling & Sealing Report

Form 3300-005 (R 4/2015)

Notice: Completion of this report is required by chs. 160, 281, 283, 289, 291-293, 295, and 299, Wis. Stats., and chs. NR 141 and 812, 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 DNR Bureau:
☐ Drinking Water ☐ Watershed/Wastewater ☐ Remediation/Redevelopment
☐ Waste Management ☐ Other: _____

1. Well Location Information

County	WI Unique Well # of Removed Well	Hicap #
Buffalo	_ _ _ _ _ _ _	

Latitude / Longitude (see instructions) _____ N _____ W | Format Code: ☐ DD ☐ DDM | Method Code: ☐ GPS008 ☐ SCR002 ☐ OTH001

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

Well Street Address: SE corner CTH Z & BB

Well City, Village or Town	Well ZIP Code
Dover Twshp	
Subdivision Name	Lot #

Reason for Removal from Service	WI Unique Well # of Replacement Well
soil boring	_ _ _ _ _ _ _

2. Facility / Owner Information

Facility Name: Julson Store (former)

Facility ID (FID or PWS):

License/Permit/Monitoring #:

Original Well Owner:

Present Well Owner: John Marum

Mailing Address of Present Owner:

City of Present Owner	State	ZIP Code
Mondovi	WI	54755

3. Filled & Sealed Well / Drillhole / Borehole Information

☐ Monitoring Well
☐ Water Well
☑ Borehole / Drillhole

Original Construction Date (mm/dd/yyyy): 6-12-2017

If a Well Construction Report is available, please attach.

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

Formation Type:
☑ Unconsolidated Formation ☐ Bedrock

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

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

If yes, to what depth (feet)?	Depth to Water (feet)
NA	~8 ft.

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

Pump and piping removed?	☐ Yes	☐ No	☑ N/A
Liner(s) removed?	☐ Yes	☐ No	☐ N/A
Liner(s) perforated?	☐ 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 ☐ Concrete
☐ Sand-Cement (Concrete) Grout ☐ 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
bentonite chips	Surface	12	~1/4 bag	

6. Comments

7. Supervision of Work

Name of Person or Firm Doing Filling & Sealing	License #	Date of Filling & Sealing or Verification (mm/dd/yyyy)
Meridian Env. Llc	1061	6-12-17

Street or Route	Telephone Number
2711 N. Elco Rd	(715) 832-6608

City	State	ZIP Code	Signature of Person Doing Work	Date Signed
Fall Creek	WI	54742		6-12-2017

DNR Use Only
Date Received | Noted By
Comments

GP-6

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

Well / Drillhole / Borehole Filling & Sealing Report

Form 3300-005 (R 4/2015)

Notice: Completion of this report is required by chs. 160, 281, 283, 289, 291-293, 295, and 299, Wis. Stats., and chs. NR 141 and 812, 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 DNR Bureau:
☐ Drinking Water ☐ Watershed/Wastewater ☐ Remediation/Redevelopment
☐ Waste Management ☐ Other: _____

1. Well Location Information

County	WI Unique Well # of Removed Well	Hicap #
Buffalo	_ _ _ _ _	

Latitude / Longitude (see instructions): _____ N _____ W
Format Code: ☐ DD ☐ DDM
Method Code: ☐ GPS008 ☐ SCR002 ☐ OTH001

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

Well Street Address: SE corner CTH Z & BB

Well City, Village or Town	Well ZIP Code
Dover Twshp	
Subdivision Name	Lot #

Reason for Removal from Service	WI Unique Well # of Replacement Well
soil boring	_ _ _ _ _

2. Facility / Owner Information

Facility Name: Julson Store (former)
Facility ID (FID or PWS):
License/Permit/Monitoring #:
Original Well Owner:
Present Well Owner: John Marum
Mailing Address of Present Owner:

City of Present Owner	State	ZIP Code
Mondovi	WI	54755

3. Filled & Sealed Well / Drillhole / Borehole Information

☐ Monitoring Well
☐ Water Well
☑ Borehole / Drillhole

Original Construction Date (mm/dd/yyyy): 6-12-2017
If a Well Construction Report is available, please attach.

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

Formation Type:
☑ Unconsolidated Formation ☐ Bedrock

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

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

If yes, to what depth (feet)?	Depth to Water (feet)
NA	~8 ft.

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

Pump and piping removed?	☐ Yes	☐ No	☑ N/A
Liner(s) removed?	☐ Yes	☐ No	☐ N/A
Liner(s) perforated?	☐ 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 ☐ Concrete
☐ Sand-Cement (Concrete) Grout ☐ Bentonite Chips

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

5. Material Used to Fill Well / Drillhole

Material	From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
bentonite chips	Surface	12	~1/4 bag	

6. Comments

7. Supervision of Work

Name of Person or Firm Doing Filling & Sealing	License #	Date of Filling & Sealing or Verification (mm/dd/yyyy)
Meridian Env. Cty	1061	6-12-17

Street or Route	Telephone Number
2711 N. Elco Rd	(715) 832-6608

City	State	ZIP Code	Signature of Person Doing Work	Date Signed
Fall Creek	WI	54742		6-12-2017

DNR Use Only

Date Received	Noted By
Comments	

APPENDIX D

Analytical Reports

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

June 22, 2017

Kenneth Shimko
Meridian Environmental Consulting, LLC
2711 North Elco Rd
Fall Creek, WI 54742

RE: Project: JULSEN STORE
Pace Project No.: 40151809

Dear Kenneth Shimko:
Enclosed are the analytical results for sample(s) received by the laboratory on June 16, 2017. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Brian Basten
brian.basten@pacelabs.com
(920)469-2436
Project Manager

Enclosures

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

CERTIFICATIONS

Project: JULSEN STORE
Pace Project No.: 40151809

Green Bay Certification IDs

1241 Bellevue Street, Green Bay, WI 54302
Florida/NELAP Certification #: E87948
Illinois Certification #: 200050
Kentucky UST Certification #: 82
Louisiana Certification #: 04168
Minnesota Certification #: 055-999-334
New York Certification #: 12064
North Dakota Certification #: R-150
Virginia VELAP ID: 460263
South Carolina Certification #: 83006001
Texas Certification #: T104704529-14-1
Wisconsin Certification #: 405132750
Wisconsin DATCP Certification #: 105-444
USDA Soil Permit #: P330-16-00157
Federal Fish & Wildlife Permit #: LE51774A-0

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

SAMPLE SUMMARY

Project: JULSEN STORE
Pace Project No.: 40151809

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40151809001	T-1	Water	06/15/17 00:00	06/16/17 10:05
40151809002	T-3	Water	06/15/17 00:00	06/16/17 10:05
40151809003	T-4	Water	06/15/17 00:00	06/16/17 10:05
40151809004	WELL	Water	06/15/17 00:00	06/16/17 10:05
40151809005	TRIP BLANK	Water	06/15/17 00:00	06/16/17 10:05

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

SAMPLE ANALYTE COUNT

Project: JULSEN STORE
Pace Project No.: 40151809

LabID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40151809001	T-1	WI MOD GRO	ALD	9	PASI-G
40151809002	T-3	WI MOD GRO	ALD	9	PASI-G
40151809003	T-4	WI MOD GRO	ALD	9	PASI-G
40151809004	WELL	WI MOD GRO	ALD	9	PASI-G
40151809005	TRIP BLANK	WI MOD GRO	ALD	9	PASI-G

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

PROJECT NARRATIVE

Project: JULSEN STORE
Pace Project No.: 40151809

Method: WI MOD GRO
Description: WIGRO GCV
Client: Meridian Environmental Consulting, LLC
Date: June 22, 2017

General Information:
5 samples were analyzed for WI MOD GRO. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Surrogates:
All surrogates were within QC limits with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

Analyte Comments:

QC Batch: 259075

D3: Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.
- T-1 (Lab ID: 40151809001)
  - a,a,a-Trifluorotoluene (S)

This data package has been reviewed for quality and completeness and is approved for release.

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: JULSEN STORE
Pace Project No.: 40151809

Sample: T-1 Lab ID: **40151809001** Collected: 06/15/17 00:00 Received: 06/16/17 10:05 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGROGCV	Analytical Method: WI MOD GRO								
Benzene	**3380**	ug/L	200	79.2	200		06/21/17 15:26	71-43-2	
Ethylbenzene	**3650**	ug/L	200	78.6	200		06/21/17 15:26	100-41-4	
Methyl-tert-butyl ether	**<97.0**	ug/L	200	97.0	200		06/21/17 15:26	1634-04-4	
Naphthalene	**819**	ug/L	200	84.8	200		06/21/17 15:26	91-20-3	
Toluene	**4500**	ug/L	200	77.6	200		06/21/17 15:26	108-88-3	
1,2,4-Trimethylbenzene	**3810**	ug/L	200	83.6	200		06/21/17 15:26	95-63-6	
1,3,5-Trimethylbenzene	**1120**	ug/L	200	83.2	200		06/21/17 15:26	108-67-8	
Xylene (Total)	**12100**	ug/L	600	249	200		06/21/17 15:26	1330-20-7	
Surrogates									
a,a,a-Trifluorotoluene (S)	105	%	80-120		200		06/21/17 15:26	98-08-8	D3,HS

Sample: T-3 Lab ID: **40151809002** Collected: 06/15/17 00:00 Received: 06/16/17 10:05 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO								
Benzene	**<0.40**	ug/L	1.0	0.40	1		06/20/17 23:03	71-43-2	
Ethylbenzene	**1.2**	ug/L	1.0	0.39	1		06/20/17 23:03	100-41-4	
Methyl-tert-butyl ether	**<0.48**	ug/L	1.0	0.48	1		06/20/17 23:03	1634-04-4	
Naphthalene	**<0.42**	ug/L	1.0	0.42	1		06/20/17 23:03	91-20-3	
Toluene	**<0.39**	ug/L	1.0	0.39	1		06/20/17 23:03	108-88-3	
1,2,4-Trimethylbenzene	**<0.42**	ug/L	1.0	0.42	1		06/20/17 23:03	95-63-6	
1,3,5-Trimethylbenzene	**<0.42**	ug/L	1.0	0.42	1		06/20/17 23:03	108-67-8	
Xylene (Total)	**5.0**	ug/L	3.0	1.2	1		06/20/17 23:03	1330-20-7	
Surrogates									
a,a,a-Trifluorotoluene (S)	105	%	80-120		1		06/20/17 23:03	98-08-8	

Sample: T-4 Lab ID: **40151809003** Collected: 06/15/17 00:00 Received: 06/16/17 10:05 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO								
Benzene	**<0.40**	ug/L	1.0	0.40	1		06/20/17 23:29	71-43-2	
Ethylbenzene	**<0.39**	ug/L	1.0	0.39	1		06/20/17 23:29	100-41-4	
Methyl-tert-butyl ether	**<0.48**	ug/L	1.0	0.48	1		06/20/17 23:29	1634-04-4	
Naphthalene	**<0.42**	ug/L	1.0	0.42	1		06/20/17 23:29	91-20-3	
Toluene	**<0.39**	ug/L	1.0	0.39	1		06/20/17 23:29	108-88-3	
1,2,4-Trimethylbenzene	**<0.42**	ug/L	1.0	0.42	1		06/20/17 23:29	95-63-6	
1,3,5-Trimethylbenzene	**<0.42**	ug/L	1.0	0.42	1		06/20/17 23:29	108-67-8	
Xylene (Total)	**<1.2**	ug/L	3.0	1.2	1		06/20/17 23:29	1330-20-7	
Surrogates									
a,a,a-Trifluorotoluene (S)	106	%	80-120		1		06/20/17 23:29	98-08-8	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: JULSEN STORE
Pace Project No.: 40151809

Sample: WELL Lab ID: **40151809004** Collected: 06/15/17 00:00 Received: 06/16/17 10:05 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO								
Benzene	**<0.40**	ug/L	1.0	0.40	1		06/20/17 23:54	71-43-2	
Ethylbenzene	**<0.39**	ug/L	1.0	0.39	1		06/20/17 23:54	100-41-4	
Methyl-tert-butyl ether	**<0.48**	ug/L	1.0	0.48	1		06/20/17 23:54	1634-04-4	
Naphthalene	**<0.42**	ug/L	1.0	0.42	1		06/20/17 23:54	91-20-3	
Toluene	**<0.39**	ug/L	1.0	0.39	1		06/20/17 23:54	108-88-3	
1,2,4-Trimethylbenzene	**<0.42**	ug/L	1.0	0.42	1		06/20/17 23:54	95-63-6	
1,3,5-Trimethylbenzene	**<0.42**	ug/L	1.0	0.42	1		06/20/17 23:54	108-67-8	
Xylene (Total)	**<1.2**	ug/L	3.0	1.2	1		06/20/17 23:54	1330-20-7	
Surrogates									
a,a,a-Trifluorotoluene (S)	104	%	80-120		1		06/20/17 23:54	98-08-8	

Sample: TRIP BLANK Lab ID: **40151809005** Collected: 06/15/17 00:00 Received: 06/16/17 10:05 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO								
Benzene	**<0.40**	ug/L	1.0	0.40	1		06/21/17 00:20	71-43-2	
Ethylbenzene	**<0.39**	ug/L	1.0	0.39	1		06/21/17 00:20	100-41-4	
Methyl-tert-butyl ether	**<0.48**	ug/L	1.0	0.48	1		06/21/17 00:20	1634-04-4	
Naphthalene	**<0.42**	ug/L	1.0	0.42	1		06/21/17 00:20	91-20-3	
Toluene	**<0.39**	ug/L	1.0	0.39	1		06/21/17 00:20	108-88-3	
1,2,4-Trimethylbenzene	**<0.42**	ug/L	1.0	0.42	1		06/21/17 00:20	95-63-6	
1,3,5-Trimethylbenzene	**<0.42**	ug/L	1.0	0.42	1		06/21/17 00:20	108-67-8	
Xylene (Total)	**<1.2**	ug/L	3.0	1.2	1		06/21/17 00:20	1330-20-7	
Surrogates									
a,a,a-Trifluorotoluene (S)	103	%	80-120		1		06/21/17 00:20	98-08-8	

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QUALITY CONTROL DATA

Project: JULSEN STORE
Pace Project No.: 40151809

QC Batch: 259075 Analysis Method: WI MOD GRO
QC Batch Method: WI MOD GRO Analysis Description: WIGRO GCV Water
Associated Lab Samples: 40151809001, 40151809002, 40151809003, 40151809004, 40151809005

METHOD BLANK: 1526347 Matrix: Water
Associated Lab Samples: 40151809001, 40151809002, 40151809003, 40151809004, 40151809005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2,4-Trimethylbenzene	ug/L	<0.42	1.0	06/20/17 19:13	
1,3,5-Trimethylbenzene	ug/L	<0.42	1.0	06/20/17 19:13	
Benzene	ug/L	<0.40	1.0	06/20/17 19:13	
Ethylbenzene	ug/L	<0.39	1.0	06/20/17 19:13	
Methyl-tert-butyl ether	ug/L	<0.48	1.0	06/20/17 19:13	
Naphthalene	ug/L	<0.42	1.0	06/20/17 19:13	
Toluene	ug/L	<0.39	1.0	06/20/17 19:13	
Xylene (Total)	ug/L	<1.2	3.0	06/20/17 19:13	
a,a,a-Trifluorotoluene (S)	%	104	80-120	06/20/17 19:13	

LABORATORY CONTROL SAMPLE & LCSD: 1526348 1526349

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1,2,4-Trimethylbenzene	ug/L	20	21.0	21.5	105	108	80-120	2	20	
1,3,5-Trimethylbenzene	ug/L	20	20.4	20.9	102	104	80-120	2	20	
Benzene	ug/L	20	20.5	20.7	103	104	80-120	1	20	
Ethylbenzene	ug/L	20	20.6	20.9	103	105	80-120	2	20	
Methyl-tert-butyl ether	ug/L	20	20.0	20.1	100	100	80-120	1	20	
Naphthalene	ug/L	20	19.9	20.7	100	103	80-120	4	20	
Toluene	ug/L	20	20.5	20.7	103	104	80-120	1	20	
Xylene (Total)	ug/L	60	61.4	62.5	102	104	80-120	2	20	
a,a,a-Trifluorotoluene (S)	%				104	104	80-120			

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1527084 1527085

Parameter	Units	40151791001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,2,4-Trimethylbenzene	ug/L	<0.42	20	20	17.0	18.0	85	90	11-200	6	20	
1,3,5-Trimethylbenzene	ug/L	<0.42	20	20	13.7	14.7	69	74	54-142	7	20	
Benzene	ug/L	2.0	20	20	23.7	23.7	109	109	66-140	0	20	
Ethylbenzene	ug/L	<0.39	20	20	21.5	22.3	108	112	66-143	4	20	
Methyl-tert-butyl ether	ug/L	<0.48	20	20	20.5	20.7	103	103	70-129	1	20	
Naphthalene	ug/L	<0.42	20	20	18.6	20.0	93	100	64-129	7	20	
Toluene	ug/L	0.68J	20	20	22.1	22.6	107	109	76-130	2	20	
Xylene (Total)	ug/L	<1.2	60	60	60.8	63.5	101	106	60-140	4	20	
a,a,a-Trifluorotoluene (S)	%						104	104	80-120			

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: JULSEN STORE
Pace Project No.: 40151609

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above LOD.

J - Estimated concentration at or above the LOD and below the LOQ.

LOD - Limit of Detection adjusted for dilution factor and percent moisture.

LOQ - Limit of Quantitation adjusted for dilution factor and percent moisture.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected at or above the adjusted LOD.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

LABORATORIES

PASI-G	Pace Analytical Services - Green Bay

ANALYTE QUALIFIERS

D3	Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.
HS	Results are from sample aliquot taken from VOA vial with headspace (air bubble greater than 6 mm diameter).

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: JULSEN STORE
Pace Project No.: 40151809

LabID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40151809001	T-1	WI MOD GRO	259075		
40151809002	T-3	WI MOD GRO	259075		
40151809003	T-4	WI MOD GRO	259075		
40151809004	WELL	WI MOD GRO	259075		
40151809005	TRIP BLANK	WI MOD GRO	259075		

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UPPER MIDWEST REGION
MN: 612-607-1700 WI: 920-469-2436

CHAIN OF CUSTODY

4015-1809

*Preservation Codes
A=None B=HCL C=H2SO4 D=HNO3 E=DI Water F=Methanol G=NaOH
H=Sodium Bisulfate Solution I=Sodium Thiosulfate J=Other

(Please Print Clearly)	
Company Name:	Meridian Env Csltg
Branch/Location:	
Project Contact:	Ken Shimko
Phone:	715 832 6608
Project Number:	
Project Name:	Julson Store
Project State:	WI
Sampled By (Print):	Ken Shimko
Sampled By (Sign):	
PO#:	Regulatory Program:

Quote#:	
Mail To Contact:	Ken Shimko
Mail To Company:	Meridian Env Csltg
Mail To Address:	2711 N. Elcan St Fall Creek WI 54742
Invoice To Contact:	
Invoice To Company:	
Invoice To Address:	
Invoice To Phone:	

Data Package Options (billable)
☐ EPA Level III
☐ EPA Level IV

MS/MSD
☐ On your sample (billable)
☐ NOT needed on your sample

Matrix Codes
A = Air, B = Biota, C = Charcoal, O = Oil, S = Soil, SL = Sludge, W = Water, DW = Drinking Water, GW = Ground Water, SW = Surface Water, WW = Waste Water, WP = Wipe

FILTERED? (YES/NO)
PRESERVATION (CODE)*

PACE LAB #	CLIENT FIELD ID	COLLECTION DATE	COLLECTION TIME	MATRIX	Y/N	Pick Letter	Analyses Requested: PVOC + Naph	CLIENT COMMENTS	LAB COMMENTS (Lab Use Only)	Profile #
001	T-1 6/15	6/15		GW			X	"Hot" sample	3-40mL VB	
002	T-3	6/15								
003	T-4	6/15								
004	well	6/15								
005	(1) Trip Blank								2-40mL VB	

Rush Turnaround Time Requested - Prelims
(Rush TAT subject to approval/surcharge)
Date Needed:

Transmit Prelim Rush Results by (complete what you want):
Email #1:
Email #2:
Telephone:
Fax:

Samples on HOLD are subject to special pricing and release of liability

Relinquished By:	Date/Time:	Received By:	Date/Time:
	6/15/17	Fed Ex	6/15/17
Fed Ex	6/16/17 1005	Rachel Wed	Rael 6/16/17 1005

PACE Project No. 4015-1809
Receipt Temp = R01 °C
Sample Receipt pH OK / Adjusted
Cooler Custody Seal Present / Not Present Intact / Not Intact

C019a(27Jun2006) (1) Trip Blank added by lab RW 6/16/17

Version 6.0 06/14/06

ORIGINAL

Pace Container Order #255307

40157809

Addresses

Order By :		Ship To :		Return To:	
Company	Meridian Environmental Consulting,	Company	Meridian Environmental Consulting,	Company	Pace Analytical Green Bay
Contact	Shimko, Kenneth	Contact	Shimko, Kenneth	Contact	Hyska, Christopher
Email	kshimko.meridianenv@gmail.com	Email	kshimko.meridianenv@gmail.com	Email	christopher.hyska@pacelabs.com
Address	2711 North Elco Rd	Address	2711 North Elco Rd	Address	1241 Bellevue Street
Address 2		Address 2		Address 2	Suite 9
City	Fall Creek	City	Fall Creek	City	Green Bay
State	WI Zip 54742	State	WI Zip 54742	State	WI Zip 54302
Phone	715-579-0723	Phone	715-579-0723	Phone	(920)469-2436

Info

Project Name	Julson Store	Due Date	06/14/2017	Profile		Quote	
Project Manager	Hyska, Christopher	Return		Carrier	Most Economical	Location	WI

Trip Blanks

- [X] Include Trip Blanks

Bottle Labels

- [X] Blank
- [ ] Pre-Printed No Sample IDs
- [ ] Pre-Printed With Sample IDs

Bottles

- [ ] Boxed Cases
- [ ] Individually Wrapped
- [ ] Grouped By Sample

Return Shipping Labels

- [ ] No Shipper Number
- [ ] With Shipper Number

Misc

- [ ] Sampling Instructions
- [X] Custody Seal
- [ ] Temp Blanks
- [X] Coolers
- [ ] Syringes
- [ ] Extra Bubble Wrap
- [ ] Short Hold/Rush Stickers
- [ ] DI Water Liter(s)
- [ ] USDA Regulated Soils

COC Options

- [X] Number of Blanks 1
- [ ] Pre-Printed

# of Samples	Matrix	Test	Container	Total	#ofQC	Lot #	Notes
5	WT	PVOC+Naph	3-40mL glass vial w/ HCl	15	0	8-7-121-01VB	
1	WT	Trip BLANK	2-40mL HCl+DI water	2	0	8-7-024-01VB	

Hazard Shipping Placard In Place : NA

*Sample receiving hours are Monday through Friday 8:00 am to 6:00 pm and Saturday from 9:00 am to 12:00 pm unless special arrangements are made with your project manager.

*Pace Analytical reserves the right to return hazardous, toxic, or radioactive samples to you.

*Pace Analytical reserves the right to charge for unused bottles as well as cost associated with sample storage and disposal.

*Payment term are net 30 days

*Please include the proposal number on the chain of custody to insure proper billing.

Sample Notes

Ship Date : 06/13/2017

Prepared By: Mai Yer Her

Verified By:

Sample Condition Upon Receipt

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1241 Bellevue Street, Suite 9
Green Bay, WI 54302

Pace Analytical™

Project #:

WO# : 40151809

40151809

Client Name: Meridian

Courier: ☑ Fed Ex ☐ UPS ☐ Client ☐ Pace Other:

Tracking #: 7868 8871 0607

Custody Seal on Cooler/Box Present: ☐ yes ☑ no Seals intact: ☐ yes ☑ no

Custody Seal on Samples Present: ☐ yes ☑ no Seals intact: ☐ yes ☐ no

Packing Material: ☐ Bubble Wrap ☑ Bubble Bags ☐ None ☐ Other

Thermometer Used 8 N/A **Type of Ice:** (Wet) Blue Dry None ☑ Samples on ice, cooling process has begun

Cooler Temperature Uncorr: 8.1 /Corr: **Biological Tissue is Frozen:** ☐ yes ☐ no

Temp Blank Present: ☐ yes ☑ no

Person examining contents:
Date: 6/16/17
Initials: RMF

Temp should be above freezing to 6°C.
Biota Samples may be received at ≤ 0°C.

		Comments:
Chain of Custody Present:	☑Yes ☐No ☐N/A	1.
Chain of Custody Filled Out:	☑Yes ☐No ☐N/A	2. Trip Blank came with Samples RMF 6/16/17
Chain of Custody Relinquished:	☑Yes ☐No ☐N/A	3. no time RMF 6/16/17
Sampler Name & Signature on COC:	☑Yes ☐No ☐N/A	4.
Samples Arrived within Hold Time:	☑Yes ☐No ☐N/A	5.
- VOA Samples frozen upon receipt	☐Yes ☐No	Date/Time:
Short Hold Time Analysis (<72hr):	☐Yes ☑No ☐N/A	6.
Rush Turn Around Time Requested:	☐Yes ☑No ☐N/A	7.
Sufficient Volume:	☑Yes ☐No ☐N/A	8.
Correct Containers Used:	☑Yes ☐No ☐N/A	9.
-Pace Containers Used:	☑Yes ☐No ☐N/A	
-Pace IR Containers Used:	☐Yes ☐No ☑N/A	
Containers Intact:	☑Yes ☐No ☐N/A	10.
Filtered volume received for Dissolved tests	☐Yes ☑No ☐N/A	11.
Sample Labels match COC:	☐Yes ☑No ☐N/A	12. NO date/time on samples RMF 6/16/17
-Includes date/time/ID/Analysis Matrix: W		
All containers needing preservation have been checked. (Non-Compliance noted in 13.)	☐Yes ☐No ☑N/A	13. ☐ HNO3 ☐ H2SO4 ☐ NaOH ☐ NaOH +ZnAct
All containers needing preservation are found to be in compliance with EPA recommendation. (HNO3, H2SO4 ≤2; NaOH+ZnAct ≥9, NaOH ≥12)	☐Yes ☐No ☑N/A	
exceptions: VOA, coliform, TOC, TOX, TOH, O&G, WIDROW, Phenolics, OTHER:	☑Yes ☐No	Initial when completed / Lab Std #ID of preservative / Date/ Time:
Headspace in VOA Vials (>6mm):	☐Yes ☑No ☐N/A	14.
Trip Blank Present:	☑Yes ☐No ☐N/A	15.
Trip Blank Custody Seals Present	☑Yes ☐No ☐N/A	
Pace Trip Blank Lot # (if purchased): #381		

Client Notification/ Resolution: If checked, see attached form for additional comments ☐

Person Contacted: Date/Time:

Comments/ Resolution:
Received 3 extra/empty BOSK with samples RMF 6/16/17
Cal has oil in vials RMF 6/16/17

Project Manager Review: **Date:** 6/16/17

Pace Analytical Services, LLC
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(920)469-2436

June 27, 2017

Kenneth Shimko
Meridian Environmental Consulting, LLC
2711 North Elco Rd
Fall Creek, WI 54742

RE: Project: JULSON STORE
Pace Project No.: 40151491

Dear Kenneth Shimko:
Enclosed are the analytical results for sample(s) received by the laboratory on June 13, 2017. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Brian Basten
brian.basten@pacelabs.com
(920)469-2436
Project Manager

Enclosures

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
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CERTIFICATIONS

Project: JULSON STORE
Pace Project No.: 40151491

Green Bay Certification IDs

1241 Bellevue Street, Green Bay, WI 54302
Florida/NELAP Certification #: E87948
Illinois Certification #: 200050
Kentucky UST Certification #: 82
Louisiana Certification #: 04168
Minnesota Certification #: 055-999-334
New York Certification #: 12064
North Dakota Certification #: R-150
Virginia VELAP ID: 460263
South Carolina Certification #: 83006001
Texas Certification #: T104704529-14-1
Wisconsin Certification #: 405132750
Wisconsin DATCP Certification#: 105-444
USDA Soil Permit #: P330-16-00157
Federal Fish & Wildlife Permit #: LE51774A-0

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SAMPLE SUMMARY

Project: JULSON STORE
Pace Project No.: 40151491

LabID	Sample ID	Matrix	Date Collected	Date Received
40151491001	1: 3-4	Solid	06/12/17 00:00	06/13/17 09:25
40151491002	1: 7-8	Solid	06/12/17 00:00	06/13/17 09:25
40151491003	1: 11-12	Solid	06/12/17 00:00	06/13/17 09:25
40151491004	1: 15-16	Solid	06/12/17 00:00	06/13/17 09:25
40151491005	2: 3-4	Solid	06/12/17 00:00	06/13/17 09:25
40151491006	2: 7-8	Solid	06/12/17 00:00	06/13/17 09:25
40151491007	2: 11-12	Solid	06/12/17 00:00	06/13/17 09:25
40151491008	3: 3-4	Solid	06/12/17 00:00	06/13/17 09:25
40151491009	3: 7-8	Solid	06/12/17 00:00	06/13/17 09:25
40151491010	3: 11-12	Solid	06/12/17 00:00	06/13/17 09:25
40151491011	4: 3-4	Solid	06/12/17 00:00	06/13/17 09:25
40151491012	4: 7-8	Solid	06/12/17 00:00	06/13/17 09:25
40151491013	4: 11-12	Solid	06/12/17 00:00	06/13/17 09:25
40151491014	5: 3-4	Solid	06/12/17 00:00	06/13/17 09:25
40151491015	5: 7-8	Solid	06/12/17 00:00	06/13/17 09:25
40151491016	5: 11-12	Solid	06/12/17 00:00	06/13/17 09:25
40151491017	6: 3-4	Solid	06/12/17 00:00	06/13/17 09:25
40151491018	6: 7-8	Solid	06/12/17 00:00	06/13/17 09:25
40151491019	6: 10'	Solid	06/12/17 00:00	06/13/17 09:25
40151491020	6: 11-12	Solid	06/12/17 00:00	06/13/17 09:25
40151491021	TB	Solid	06/12/17 00:00	06/13/17 09:25

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SAMPLE ANALYTE COUNT

Project: JULSON STORE
Pace Project No.: 40151491

LabID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40151491001	1: 3-4	WI MOD GRO	ALD	12	PASI-G
		ASTM D2974-87	SKW	1	PASI-G
40151491002	1: 7-8	WI MOD GRO	ALD	12	PASI-G
		ASTM D2974-87	SKW	1	PASI-G
40151491003	1: 11-12	WI MOD GRO	ALD	12	PASI-G
		ASTM D2974-87	SKW	1	PASI-G
40151491004	1: 15-16	WI MOD GRO	ALD	12	PASI-G
		ASTM D2974-87	SKW	1	PASI-G
40151491005	2: 3-4	WIMOD GRO	ALD	12	PASI-G
		ASTM D2974-87	SKW	1	PASI-G
40151491006	2: 7-8	WI MODGRO	ALD	12	PASI-G
		ASTM D2974-87	SKW	1	PASI-G
40151491007	2: 11-12	WI MOD GRO	ALD	12	PASI-G
		ASTM D2974-87	SKW	1	PASI-G
40151491008	3: 3-4	WI MOD GRO	ALD	12	PASI-G
		ASTM D2974-87	SKW	1	PASI-G
40151491009	3: 7-8	WI MOD GRO	ALD	12	PASI-G
		ASTM D2974-87	SKW	1	PASI-G
40151491010	3: 11-12	WI MOD GRO	ALD	12	PASI-G
		ASTM D2974-87	SKW	1	PASI-G
40151491011	4: 3-4	WI MOD GRO	ALD	12	PASI-G
		ASTM D2974-87	SKW	1	PASI-G
40151491012	4: 7-8	WI MOD GRO	ALD	12	PASI-G
		ASTM D2974-87	SKW	1	PASI-G
40151491013	4: 11-12	WI MODGRO	ALD	12	PASI-G
		ASTM D2974-87	SKW	1	PASI-G
40151491014	5: 3-4	WI MODGRO	ALD	12	PASI-G
		ASTM D2974-87	SKW	1	PASI-G
40151491015	5: 7-8	WI MOD GRO	ALD	12	PASI-G
		ASTM D2974-87	SKW	1	PASI-G
40151491016	5: 11-12	WI MOD GRO	ALD	12	PASI-G
		ASTM D2974-87	SKW	1	PASI-G
40151491017	6: 3-4	WI MOD GRO	ALD	12	PASI-G
		ASTM D2974-87	SKW	1	PASI-G
40151491018	6: 7-8	WI MOD GRO	ALD	12	PASI-G
		ASTM D2974-87	SKW	1	PASI-G
40151491019	6: 10'	WI MODGRO	ALD	12	PASI-G

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SAMPLE ANALYTE COUNT

Project: JULSON STORE
Pace Project No.: 40151491

LabID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		ASTM D2974-87	SKW	1	PASI-G
40151491020	6: 11-12	WI MOD GRO	ALD	12	PASI-G
		ASTM D2974-87	SKW	1	PASI-G
40151491021	TB	WI MOD GRO	ALD	12	PASI-G

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PROJECT NARRATIVE

Project: JULSON STORE
Pace Project No.: 40151491

Method: WI MOD GRO
Description: WIGRO GCV
Client: Meridian Environmental Consulting, LLC
Date: June 27, 2017

General Information:
21 samples were analyzed for WI MOD GRO. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:
The samples were prepared in accordance with TPH GRO/PVOC WI ext. with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Surrogates:
All surrogates were within QC limits with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

This data package has been reviewed for quality and completeness and is approved for release.

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ANALYTICAL RESULTS

Project: JULSON STORE
Pace Project No.: 40151491

Sample: 1: 3-4 Lab ID: **40151491001** Collected: 06/12/17 00:00 Received: 06/13/17 09:25 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGROGCV	Analytical Method: WI MOD GRO Preparation Method: TPH GRO/PVOC WI ext.								
Benzene	**<25.0**	ug/kg	60.0	25.0	1	06/14/17 07:30	06/14/17 10:49	71-43-2	W
Ethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	06/14/17 07:30	06/14/17 10:49	100-41-4	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	06/14/17 07:30	06/14/17 10:49	1634-04-4	W
Naphthalene	**<25.0**	ug/kg	60.0	25.0	1	06/14/17 07:30	06/14/17 10:49	91-20-3	W
Toluene	**<25.0**	ug/kg	60.0	25.0	1	06/14/17 07:30	06/14/17 10:49	108-88-3	W
Total Trimethylbenzenes	**<50.0**	ug/kg	120	50.0	1	06/14/17 07:30	06/14/17 10:49		W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	06/14/17 07:30	06/14/17 10:49	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	06/14/17 07:30	06/14/17 10:49	108-67-8	W
Xylene (Total)	**<75.0**	ug/kg	180	75.0	1	06/14/17 07:30	06/14/17 10:49	1330-20-7	W
m&p-Xylene	**<50.0**	ug/kg	120	50.0	1	06/14/17 07:30	06/14/17 10:49	179601-23-1	W
o-Xylene	**<25.0**	ug/kg	60.0	25.0	1	06/14/17 07:30	06/14/17 10:49	95-47-6	W
Surrogates									
a,a,a-Trifluorotoluene (S)	100	%	80-120		1	06/14/17 07:30	06/14/17 10:49	98-08-8	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**11.3**	%	0.10	0.10	1		06/16/17 08:37		

Sample: 1: 7-8 Lab ID: **40151491002** Collected: 06/12/17 00:00 Received: 06/13/17 09:25 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO Preparation Method: TPH GRO/PVOC WI ext.								
Benzene	**1880**	ug/kg	1710	715	25	06/14/17 07:30	06/14/17 17:13	71-43-2	
Ethylbenzene	**58800**	ug/kg	1710	715	25	06/14/17 07:30	06/14/17 17:13	100-41-4	
Methyl-tert-butyl ether	**1520J**	ug/kg	1710	715	25	06/14/17 07:30	06/14/17 17:13	1634-04-4	
Naphthalene	**21100**	ug/kg	1710	715	25	06/14/17 07:30	06/14/17 17:13	91-20-3	
Toluene	**5560**	ug/kg	1710	715	25	06/14/17 07:30	06/14/17 17:13	108-88-3	
Total Trimethylbenzenes	**163000**	ug/kg	3430	1430	25	06/14/17 07:30	06/14/17 17:13		
1,2,4-Trimethylbenzene	**121000**	ug/kg	1710	715	25	06/14/17 07:30	06/14/17 17:13	95-63-6	
1,3,5-Trimethylbenzene	**41700**	ug/kg	1710	715	25	06/14/17 07:30	06/14/17 17:13	108-67-8	
Xylene (Total)	**193000**	ug/kg	5140	2140	25	06/14/17 07:30	06/14/17 17:13	1330-20-7	
m&p-Xylene	**189000**	ug/kg	3430	1430	25	06/14/17 07:30	06/14/17 17:13	179601-23-1	
o-Xylene	**4160**	ug/kg	1710	715	25	06/14/17 07:30	06/14/17 17:13	95-47-6	
Surrogates									
a,a,a-Trifluorotoluene (S)	90	%	80-120		25	06/14/17 07:30	06/14/17 17:13	98-08-8	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**12.5**	%	0.10	0.10	1		06/16/17 08:37		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: JULSON STORE
Pace Project No.: 40151491

Sample: 1: 11-12 Lab ID: 40151491003 Collected: 06/12/17 00:00 Received: 06/13/17 09:25 Matrix: Solid

Results reported on a "dry weight" basis end are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGROGCV	Analytical Method: WI MOD GRO Preparation Method: TPH GRO/PVOC WI ext.								
Benzene	**4620**	ug/kg	1390	579	20	06/14/17 07:30	06/14/17 17:39	71-43-2	
Ethylbenzene	**44700**	ug/kg	1390	579	20	06/14/17 07:30	06/14/17 17:39	100-41-4	
Methyl-tert-butyl ether	**1850**	ug/kg	1390	579	20	06/14/17 07:30	06/14/17 17:39	1634-04-4	
Naphthalene	**13200**	ug/kg	1390	579	20	06/14/17 07:30	06/14/17 17:39	91-20-3	
Toluene	**11600**	ug/kg	1390	579	20	06/14/17 07:30	06/14/17 17:39	108-88-3	
Total Trimethylbenzenes	**112000**	ug/kg	2780	1160	20	06/14/17 07:30	06/14/17 17:39		
1,2,4-Trimethylbenzene	**83100**	ug/kg	1390	579	20	06/14/17 07:30	06/14/17 17:39	95-63-6	
1,3,5-Trimethylbenzene	**29300**	ug/kg	1390	579	20	06/14/17 07:30	06/14/17 17:39	108-67-8	
Xylene (Total)	**146000**	ug/kg	4170	1740	20	06/14/17 07:30	06/14/17 17:39	1330-20-7	
m&p-Xylene	**143000**	ug/kg	2780	1160	20	06/14/17 07:30	06/14/17 17:39	179601-23-1	
o-Xylene	**3500**	ug/kg	1390	579	20	06/14/17 07:30	06/14/17 17:39	95-47-6	
Surrogates									
a,a,a-Trifluorotoluene (S)	89	%	80-120		20	06/14/17 07:30	06/14/17 17:39	98-08-8	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**13.7**	%	0.10	0.10	1		06/16/17 08:38		

Sample: 1: 15-16 LabID: 40151491004 Collected: 06/12/17 00:00 Received: 06/13/17 09:25 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO Preparation Method: TPH GRO/PVOC WI ext.								
Benzene	**<25.0**	ug/kg	60.0	25.0	1	06/14/17 07:30	06/14/17 11:15	71-43-2	W
Ethylbenzene	**36.6J**	ug/kg	69.0	28.7	1	06/14/17 07:30	06/14/17 11:15	100-41-4	
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	06/14/17 07:30	06/14/17 11:15	1634-04-4	W
Naphthalene	**<25.0**	ug/kg	60.0	25.0	1	06/14/17 07:30	06/14/17 11:15	91-20-3	W
Toluene	**<25.0**	ug/kg	60.0	25.0	1	06/14/17 07:30	06/14/17 11:15	108-88-3	W
Total Trimethylbenzenes	**<50.0**	ug/kg	120	50.0	1	06/14/17 07:30	06/14/17 11:15		W
1,2,4-Trimethylbenzene	**33.2J**	ug/kg	69.0	28.7	1	06/14/17 07:30	06/14/17 11:15	95-63-6	
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	06/14/17 07:30	06/14/17 11:15	108-67-8	W
Xylene (Total)	**109J**	ug/kg	207	86.2	1	06/14/17 07:30	06/14/17 11:15	1330-20-7	
m&p-Xylene	**109J**	ug/kg	138	57.5	1	06/14/17 07:30	06/14/17 11:15	179601-23-1	
o-Xylene	**<25.0**	ug/kg	60.0	25.0	1	06/14/17 07:30	06/14/17 11:15	95-47-6	W
Surrogates									
a,a,a-Trifluorotoluene (S)	101	%	80-120		1	06/14/17 07:30	06/14/17 11:15	98-08-8	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**13.0**	%	0.10	0.10	1		06/16/17 08:38		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: JULSON STORE
Pace Project No.: 40151491

Sample: 2: 3-4 Lab ID: 40151491005 Collected: 06/12/17 00:00 Received: 06/13/17 09:25 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO Preparation Method: TPH GRO/PVOC WI ext.								
Benzene	**<25.0**	ug/kg	60.0	25.0	1	06/14/17 07:30	06/14/17 11:40	71-43-2	W
Ethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	06/14/17 07:30	06/14/17 11:40	100-41-4	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	06/14/17 07:30	06/14/17 11:40	1634-04-4	W
Naphthalene	**<25.0**	ug/kg	60.0	25.0	1	06/14/17 07:30	06/14/17 11:40	91-20-3	W
Toluene	**<25.0**	ug/kg	60.0	25.0	1	06/14/17 07:30	06/14/17 11:40	108-88-3	W
Total Trimethylbenzenes	**<50.0**	ug/kg	120	50.0	1	06/14/17 07:30	06/14/17 11:40		W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	06/14/17 07:30	06/14/17 11:40	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	06/14/17 07:30	06/14/17 11:40	108-67-8	W
Xylene (Total)	**<75.0**	ug/kg	180	75.0	1	06/14/17 07:30	06/14/17 11:40	1330-20-7	W
m&p-Xylene	**<50.0**	ug/kg	120	50.0	1	06/14/17 07:30	06/14/17 11:40	179601-23-1	W
o-Xylene	**<25.0**	ug/kg	60.0	25.0	1	06/14/17 07:30	06/14/17 11:40	95-47-6	W
Surrogates									
a,a,a-Trifluorotoluene (S)	101	%	80-120		1	06/14/17 07:30	06/14/17 11:40	98-08-8	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	8.4	%	0.10	0.10	1		06/16/17 08:50		

Sample: 2: 7-8 Lab ID: 40151491006 Collected: 06/12/17 00:00 Received: 06/13/17 09:25 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGROGCV	Analytical Method: WI MOD GRO Preparation Method: TPH GRO/PVOC WI ext.								
Benzene	**<25.0**	ug/kg	60.0	25.0	1	06/14/17 07:30	06/14/17 12:06	71-43-2	W
Ethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	06/14/17 07:30	06/14/17 12:06	100-41-4	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	06/14/17 07:30	06/14/17 12:06	1634-04-4	W
Naphthalene	**<25.0**	ug/kg	60.0	25.0	1	06/14/17 07:30	06/14/17 12:06	91-20-3	W
Toluene	**<25.0**	ug/kg	60.0	25.0	1	06/14/17 07:30	06/14/17 12:06	108-88-3	W
Total Trimethylbenzenes	**<50.0**	ug/kg	120	50.0	1	06/14/17 07:30	06/14/17 12:06		W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	06/14/17 07:30	06/14/17 12:06	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	06/14/17 07:30	06/14/17 12:06	108-67-8	W
Xylene (Total)	**<75.0**	ug/kg	180	75.0	1	06/14/17 07:30	06/14/17 12:06	1330-20-7	W
m&p-Xylene	**<50.0**	ug/kg	120	50.0	1	06/14/17 07:30	06/14/17 12:06	179601-23-1	W
o-Xylene	**<25.0**	ug/kg	60.0	25.0	1	06/14/17 07:30	06/14/17 12:06	95-47-6	W
Surrogates									
a,a,a-Trifluorotoluene (S)	100	%	80-120		1	06/14/17 07:30	06/14/17 12:06	98-08-8	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	14.3	%	0.10	0.10	1		06/16/17 09:02		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: JULSON STORE
Pace Project No.: 40151491

Sample: 2: 11-12 Lab ID: 40151491007 Collected: 06/12/17 00:00 Received: 06/13/17 09:25 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO Preparation Method: TPH GRO/PVOC WI ext.								
Benzene	<25.0	ug/kg	60.0	25.0	1	06/14/17 07:30	06/14/17 12:31	71-43-2	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	06/14/17 07:30	06/14/17 12:31	100-41-4	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	06/14/17 07:30	06/14/17 12:31	1634-04-4	W
Naphthalene	<25.0	ug/kg	60.0	25.0	1	06/14/17 07:30	06/14/17 12:31	91-20-3	W
Toluene	<25.0	ug/kg	60.0	25.0	1	06/14/17 07:30	06/14/17 12:31	108-88-3	W
Total Trimethylbenzenes	<50.0	ug/kg	120	50.0	1	06/14/17 07:30	06/14/17 12:31		W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	06/14/17 07:30	06/14/17 12:31	95-63-6	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	06/14/17 07:30	06/14/17 12:31	108-67-8	W
Xylene (Total)	<75.0	ug/kg	180	75.0	1	06/14/17 07:30	06/14/17 12:31	1330-20-7	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	06/14/17 07:30	06/14/17 12:31	179601-23-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	06/14/17 07:30	06/14/17 12:31	95-47-6	W
Surrogates									
a,a,a-Trifluorotoluene (S)	100	%	80-120		1	06/14/17 07:30	06/14/17 12:31	98-08-8	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	16.4	%	0.10	0.10	1		06/16/17 09:02		

Sample: 3: 3-4 Lab ID: 40151491008 Collected: 06/12/17 00:00 Received: 06/13/17 09:25 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO Preparation Method: TPH GRO/PVOC WI ext.								
Benzene	<25.0	ug/kg	60.0	25.0	1	06/14/17 07:30	06/14/17 12:57	71-43-2	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	06/14/17 07:30	06/14/17 12:57	100-41-4	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	06/14/17 07:30	06/14/17 12:57	1634-04-4	W
Naphthalene	<25.0	ug/kg	60.0	25.0	1	06/14/17 07:30	06/14/17 12:57	91-20-3	W
Toluene	<25.0	ug/kg	60.0	25.0	1	06/14/17 07:30	06/14/17 12:57	108-88-3	W
Total Trimethylbenzenes	<50.0	ug/kg	120	50.0	1	06/14/17 07:30	06/14/17 12:57		W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	06/14/17 07:30	06/14/17 12:57	95-63-6	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	06/14/17 07:30	06/14/17 12:57	108-67-8	W
Xylene (Total)	<75.0	ug/kg	180	75.0	1	06/14/17 07:30	06/14/17 12:57	1330-20-7	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	06/14/17 07:30	06/14/17 12:57	179601-23-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	06/14/17 07:30	06/14/17 12:57	95-47-6	W
Surrogates									
a,a,a-Trifluorotoluene (S)	102	%	80-120		1	06/14/17 07:30	06/14/17 12:57	98-08-8	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	11.6	%	0.10	0.10	1		06/16/17 09:03		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: JULSON STORE
Pace Project No.: 40151491

Sample: 3: 7-8 Lab ID: 40151491009 Collected: 06/12/17 00:00 Received: 06/13/17 09:25 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO Preparation Method: TPH GRO/PVOC WI ext.								
Benzene	**<25.0**	ug/kg	60.0	25.0	1	06/14/17 07:30	06/14/17 13:23	71-43-2	W
Ethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	06/14/17 07:30	06/14/17 13:23	100-41-4	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	06/14/17 07:30	06/14/17 13:23	1634-04-4	W
Naphthalene	**<25.0**	ug/kg	60.0	25.0	1	06/14/17 07:30	06/14/17 13:23	91-20-3	W
Toluene	**<25.0**	ug/kg	60.0	25.0	1	06/14/17 07:30	06/14/17 13:23	108-88-3	W
Total Trimethylbenzenes	**<50.0**	ug/kg	120	50.0	1	06/14/17 07:30	06/14/17 13:23		W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	06/14/17 07:30	06/14/17 13:23	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	06/14/17 07:30	06/14/17 13:23	108-67-8	W
Xylene (Total)	**<75.0**	ug/kg	180	75.0	1	06/14/17 07:30	06/14/17 13:23	1330-20-7	W
m&p-Xylene	**<50.0**	ug/kg	120	50.0	1	06/14/17 07:30	06/14/17 13:23	179601-23-1	W
o-Xylene	**<25.0**	ug/kg	60.0	25.0	1	06/14/17 07:30	06/14/17 13:23	95-47-6	W
Surrogates									
a,a,a-Trifluorotoluene (S)	101	%	80-120		1	06/14/17 07:30	06/14/17 13:23	98-08-8	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**21.8**	%	0.10	0.10	1		06/16/17 09:03		

Sample: 3: 11-12 LabID: 40151491010 Collected: 06/12/17 00:00 Received: 06/13/17 09:25 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGROGCV	Analytical Method: WI MOD GRO Preparation Method: TPH GRO/PVOC WI ext.								
Benzene	**<25.0**	ug/kg	60.0	25.0	1	06/14/17 07:30	06/14/17 13:48	71-43-2	W
Ethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	06/14/17 07:30	06/14/17 13:48	100-41-4	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	06/14/17 07:30	06/14/17 13:48	1634-04-4	W
Naphthalene	**<25.0**	ug/kg	60.0	25.0	1	06/14/17 07:30	06/14/17 13:48	91-20-3	W
Toluene	**<25.0**	ug/kg	60.0	25.0	1	06/14/17 07:30	06/14/17 13:48	108-88-3	W
Total Trimethylbenzenes	**<50.0**	ug/kg	120	50.0	1	06/14/17 07:30	06/14/17 13:48		W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	06/14/17 07:30	06/14/17 13:48	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	06/14/17 07:30	06/14/17 13:48	108-67-8	W
Xylene (Total)	**<75.0**	ug/kg	180	75.0	1	06/14/17 07:30	06/14/17 13:48	1330-20-7	W
m&p-Xylene	**<50.0**	ug/kg	120	50.0	1	06/14/17 07:30	06/14/17 13:48	179601-23-1	W
o-Xylene	**<25.0**	ug/kg	60.0	25.0	1	06/14/17 07:30	06/14/17 13:48	95-47-6	W
Surrogates									
a,a,a-Trifluorotoluene (S)	100	%	80-120		1	06/14/17 07:30	06/14/17 13:48	98-08-8	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**19.8**	%	0.10	0.10	1		06/16/17 09:03		

REPORT OF LABORATORY ANALYSIS

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(920)469-2436

ANALYTICAL RESULTS

Project: JULSON STORE
Pace Project No.: 40151491

Sample: 4: 3-4 Lab ID: 40151491011 Collected: 06/12/17 00:00 Received: 06/13/17 09:25 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO Preparation Method: TPH GRO/PVOC WI ext.								
Benzene	**<25.0**	ug/kg	60.0	25.0	1	06/14/17 07:30	06/14/17 14:14	71-43-2	W
Ethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	06/14/17 07:30	06/14/17 14:14	100-41-4	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	06/14/17 07:30	06/14/17 14:14	1634-04-4	W
Naphthalene	**<25.0**	ug/kg	60.0	25.0	1	06/14/17 07:30	06/14/17 14:14	91-20-3	W
Toluene	**<25.0**	ug/kg	60.0	25.0	1	06/14/17 07:30	06/14/17 14:14	108-88-3	W
Total Trimethylbenzenes	**<50.0**	ug/kg	120	50.0	1	06/14/17 07:30	06/14/17 14:14		W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	06/14/17 07:30	06/14/17 14:14	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	06/14/17 07:30	06/14/17 14:14	108-67-8	W
Xylene (Total)	**<75.0**	ug/kg	180	75.0	1	06/14/17 07:30	06/14/17 14:14	1330-20-7	W
m&p-Xylene	**<50.0**	ug/kg	120	50.0	1	06/14/17 07:30	06/14/17 14:14	179601-23-1	W
o-Xylene	**<25.0**	ug/kg	60.0	25.0	1	06/14/17 07:30	06/14/17 14:14	95-47-6	W
Surrogates									
a,a,a-Trifluorotoluene (S)	100	%	80-120		1	06/14/17 07:30	06/14/17 14:14	98-08-8	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**10.3**	%	0.10	0.10	1		06/16/17 09:27		

Sample: 4: 7-8 Lab ID: 40151491012 Collected: 06/12/17 00:00 Received: 06/13/17 09:25 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO Preparation Method: TPH GRO/PVOC WI ext.								
Benzene	**<25.0**	ug/kg	60.0	25.0	1	06/14/17 07:30	06/14/17 14:39	71-43-2	W
Ethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	06/14/17 07:30	06/14/17 14:39	100-41-4	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	06/14/17 07:30	06/14/17 14:39	1634-04-4	W
Naphthalene	**<25.0**	ug/kg	60.0	25.0	1	06/14/17 07:30	06/14/17 14:39	91-20-3	W
Toluene	**<25.0**	ug/kg	60.0	25.0	1	06/14/17 07:30	06/14/17 14:39	108-88-3	W
Total Trimethylbenzenes	**<50.0**	ug/kg	120	50.0	1	06/14/17 07:30	06/14/17 14:39		W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	06/14/17 07:30	06/14/17 14:39	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	06/14/17 07:30	06/14/17 14:39	108-67-8	W
Xylene (Total)	**<75.0**	ug/kg	180	75.0	1	06/14/17 07:30	06/14/17 14:39	1330-20-7	W
m&p-Xylene	**<50.0**	ug/kg	120	50.0	1	06/14/17 07:30	06/14/17 14:39	179601-23-1	W
o-Xylene	**<25.0**	ug/kg	60.0	25.0	1	06/14/17 07:30	06/14/17 14:39	95-47-6	W
Surrogates									
a,a,a-Trifluorotoluene (S)	100	%	80-120		1	06/14/17 07:30	06/14/17 14:39	98-08-8	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**12.4**	%	0.10	0.10	1		06/16/17 09:27		

REPORT OF LABORATORY ANALYSIS

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1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: JULSON STORE
Pace Project No.: 40151491

Sample: 4: 11-12 Lab ID: 40151491013 Collected: 06/12/17 00:00 Received: 06/13/17 09:25 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO Preparation Method: TPH GRO/PVOC WI ext.								
Benzene	**<25.0**	ug/kg	60.0	25.0	1	06/14/17 07:30	06/14/17 19:21	71-43-2	W
Ethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	06/14/17 07:30	06/14/17 19:21	100-41-4	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	06/14/17 07:30	06/14/17 19:21	1634-04-4	W
Naphthalene	**<25.0**	ug/kg	60.0	25.0	1	06/14/17 07:30	06/14/17 19:21	91-20-3	W
Toluene	**<25.0**	ug/kg	60.0	25.0	1	06/14/17 07:30	06/14/17 19:21	108-88-3	W
Total Trimethylbenzenes	**<50.0**	ug/kg	120	50.0	1	06/14/17 07:30	06/14/17 19:21		W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	06/14/17 07:30	06/14/17 19:21	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	06/14/17 07:30	06/14/17 19:21	108-67-8	W
Xylene (Total)	**<75.0**	ug/kg	180	75.0	1	06/14/17 07:30	06/14/17 19:21	1330-20-7	W
m&p-Xylene	**<50.0**	ug/kg	120	50.0	1	06/14/17 07:30	06/14/17 19:21	179601-23-1	W
o-Xylene	**<25.0**	ug/kg	60.0	25.0	1	06/14/17 07:30	06/14/17 19:21	95-47-6	W
Surrogates									
a,a,a-Trifluorotoluene (S)	100	%	80-120		1	06/14/17 07:30	06/14/17 19:21	98-08-8	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**14.5**	%	0.10	0.10	1		06/16/17 09:27		

Sample: 5: 3-4 Lab ID: 40151491014 Collected: 06/12/17 00:00 Received: 06/13/17 09:25 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO Preparation Method: TPH GRO/PVOC WI ext.								
Benzene	**<25.0**	ug/kg	60.0	25.0	1	06/14/17 07:30	06/14/17 19:46	71-43-2	W
Ethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	06/14/17 07:30	06/14/17 19:46	100-41-4	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	06/14/17 07:30	06/14/17 19:46	1634-04-4	W
Naphthalene	**<25.0**	ug/kg	60.0	25.0	1	06/14/17 07:30	06/14/17 19:46	91-20-3	W
Toluene	**<25.0**	ug/kg	60.0	25.0	1	06/14/17 07:30	06/14/17 19:46	108-88-3	W
Total Trimethylbenzenes	**<50.0**	ug/kg	120	50.0	1	06/14/17 07:30	06/14/17 19:46		W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	06/14/17 07:30	06/14/17 19:46	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	06/14/17 07:30	06/14/17 19:46	108-67-8	W
Xylene (Total)	**<75.0**	ug/kg	180	75.0	1	06/14/17 07:30	06/14/17 19:46	1330-20-7	W
m&p-Xylene	**<50.0**	ug/kg	120	50.0	1	06/14/17 07:30	06/14/17 19:46	179601-23-1	W
o-Xylene	**<25.0**	ug/kg	60.0	25.0	1	06/14/17 07:30	06/14/17 19:46	95-47-6	W
Surrogates									
a,a,a-Trifluorotoluene (S)	100	%	80-120		1	06/14/17 07:30	06/14/17 19:46	98-08-8	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**11.9**	%	0.10	0.10	1		06/16/17 09:27		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
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(920)469-2436

ANALYTICAL RESULTS

Project: JULSON STORE
Pace Project No.: 40151491

Sample: 5: 7-8 Lab ID: 40151491015 Collected: 06/12/17 00:00 Received: 06/13/17 09:25 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGROGCV	Analytical Method: WI MOD GRO Preparation Method: TPH GRO/PVOC WI ext.								
Benzene	<25.0	ug/kg	60.0	25.0	1	06/14/17 07:30	06/14/17 20:12	71-43-2	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	06/14/17 07:30	06/14/17 20:12	100-41-4	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	06/14/17 07:30	06/14/17 20:12	1634-04-4	W
Naphthalene	<25.0	ug/kg	60.0	25.0	1	06/14/17 07:30	06/14/17 20:12	91-20-3	W
Toluene	<25.0	ug/kg	60.0	25.0	1	06/14/17 07:30	06/14/17 20:12	108-88-3	W
Total Trimethylbenzenes	<50.0	ug/kg	120	50.0	1	06/14/17 07:30	06/14/17 20:12		W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	06/14/17 07:30	06/14/17 20:12	95-63-6	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	06/14/17 07:30	06/14/17 20:12	108-67-8	W
Xylene (Total)	<75.0	ug/kg	180	75.0	1	06/14/17 07:30	06/14/17 20:12	1330-20-7	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	06/14/17 07:30	06/14/17 20:12	179601-23-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	06/14/17 07:30	06/14/17 20:12	95-47-6	W
Surrogates									
a,a,a-Trifluorotoluene (S)	100	%	80-120		1	06/14/17 07:30	06/14/17 20:12	98-08-8	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	14.6	%	0.10	0.10	1		06/16/17 09:27		

Sample: 5: 11-12 Lab ID: 40151491016 Collected: 06/12/17 00:00 Received: 06/13/17 09:25 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO Preparation Method: TPH GRO/PVOC WI ext.								
Benzene	<25.0	ug/kg	60.0	25.0	1	06/14/17 07:30	06/14/17 20:37	71-43-2	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	06/14/17 07:30	06/14/17 20:37	100-41-4	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	06/14/17 07:30	06/14/17 20:37	1634-04-4	W
Naphthalene	<25.0	ug/kg	60.0	25.0	1	06/14/17 07:30	06/14/17 20:37	91-20-3	W
Toluene	<25.0	ug/kg	60.0	25.0	1	06/14/17 07:30	06/14/17 20:37	108-88-3	W
Total Trimethylbenzenes	<50.0	ug/kg	120	50.0	1	06/14/17 07:30	06/14/17 20:37		W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	06/14/17 07:30	06/14/17 20:37	95-63-6	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	06/14/17 07:30	06/14/17 20:37	108-67-8	W
Xylene (Total)	<75.0	ug/kg	180	75.0	1	06/14/17 07:30	06/14/17 20:37	1330-20-7	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	06/14/17 07:30	06/14/17 20:37	179601-23-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	06/14/17 07:30	06/14/17 20:37	95-47-6	W
Surrogates									
a,a,a-Trifluorotoluene (S)	99	%	80-120		1	06/14/17 07:30	06/14/17 20:37	98-08-8	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	13.2	%	0.10	0.10	1		06/16/17 09:28		

REPORT OF LABORATORY ANALYSIS

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(920)469-2436

ANALYTICAL RESULTS

Project: JULSON STORE
Pace Project No.: 40151491

Sample: 6: 3-4 Lab ID: 40151491017 Collected: 06/12/17 00:00 Received: 06/13/17 09:25 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO Preparation Method: TPH GRO/PVOC WI ext.								
Benzene	**<25.0**	ug/kg	60.0	25.0	1	06/14/17 07:30	06/14/17 21:03	71-43-2	W
Ethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	06/14/17 07:30	06/14/17 21:03	100-41-4	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	06/14/17 07:30	06/14/17 21:03	1634-04-4	W
Naphthalene	**<25.0**	ug/kg	60.0	25.0	1	06/14/17 07:30	06/14/17 21:03	91-20-3	W
Toluene	**<25.0**	ug/kg	60.0	25.0	1	06/14/17 07:30	06/14/17 21:03	108-88-3	W
Total Trimethylbenzenes	**<50.0**	ug/kg	120	50.0	1	06/14/17 07:30	06/14/17 21:03		W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	06/14/17 07:30	06/14/17 21:03	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	06/14/17 07:30	06/14/17 21:03	108-67-8	W
Xylene (Total)	**<75.0**	ug/kg	180	75.0	1	06/14/17 07:30	06/14/17 21:03	1330-20-7	W
m&p-Xylene	**<50.0**	ug/kg	120	50.0	1	06/14/17 07:30	06/14/17 21:03	179601-23-1	W
o-Xylene	**<25.0**	ug/kg	60.0	25.0	1	06/14/17 07:30	06/14/17 21:03	95-47-6	W
Surrogates									
a,a,a-Trifluorotoluene (S)	100	%	80-120		1	06/14/17 07:30	06/14/17 21:03	98-08-8	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**21.3**	%	0.10	0.10	1		06/16/17 09:28		

Sample: 6: 7-8 Lab ID: 40151491018 Collected: 06/12/17 00:00 Received: 06/13/17 09:25 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGROGCV	Analytical Method: WI MOD GRO Preparation Method: TPH GRO/PVOC WI ext.								
Benzene	**<500**	ug/kg	1200	500	20	06/14/17 07:30	06/14/17 15:56	71-43-2	W
Ethylbenzene	**4990**	ug/kg	1340	557	20	06/14/17 07:30	06/14/17 15:56	100-41-4	
Methyl-tert-butyl ether	**<500**	ug/kg	1200	500	20	06/14/17 07:30	06/14/17 15:56	1634-04-4	W
Naphthalene	**19400**	ug/kg	1340	557	20	06/14/17 07:30	06/14/17 15:56	91-20-3	
Toluene	**<500**	ug/kg	1200	500	20	06/14/17 07:30	06/14/17 15:56	108-88-3	W
Total Trimethylbenzenes	**172000**	ug/kg	2680	1110	20	06/14/17 07:30	06/14/17 15:56		
1,2,4-Trimethylbenzene	**128000**	ug/kg	1340	557	20	06/14/17 07:30	06/14/17 15:56	95-63-6	
1,3,5-Trimethylbenzene	**44200**	ug/kg	1340	557	20	06/14/17 07:30	06/14/17 15:56	108-67-8	
Xylene (Total)	**30600**	ug/kg	4010	1670	20	06/14/17 07:30	06/14/17 15:56	1330-20-7	
m&p-Xylene	**27800**	ug/kg	2680	1110	20	06/14/17 07:30	06/14/17 15:56	179601-23-1	
o-Xylene	**2830**	ug/kg	1340	557	20	06/14/17 07:30	06/14/17 15:56	95-47-6	
Surrogates									
a,a,a-Trifluorotoluene (S)	104	%	80-120		20	06/14/17 07:30	06/14/17 15:56	98-08-8	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**10.3**	%	0.10	0.10	1		06/16/17 09:28		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: JULSON STORE
Pace Project No.: 40151491

Sample: 6: 10' Lab ID: **40151491019** Collected: 06/12/17 00:00 Received: 06/13/17 09:25 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO Preparation Method: TPH GRO/PVOC WI ext.								
Benzene	**<1000**	ug/kg	2400	1000	40	06/14/17 07:30	06/14/17 16:22	71-43-2	W
Ethylbenzene	**30200**	ug/kg	2730	1140	40	06/14/17 07:30	06/14/17 16:22	100-41-4	
Methyl-tert-butyl ether	**<1000**	ug/kg	2400	1000	40	06/14/17 07:30	06/14/17 16:22	1634-04-4	W
Naphthalene	**42300**	ug/kg	2730	1140	40	06/14/17 07:30	06/14/17 16:22	91-20-3	
Toluene	**<1000**	ug/kg	2400	1000	40	06/14/17 07:30	06/14/17 16:22	108-88-3	W
Total Trimethylbenzenes	**376000**	ug/kg	5470	2280	40	06/14/17 07:30	06/14/17 16:22		
1,2,4-Trimethylbenzene	**282000**	ug/kg	2730	1140	40	06/14/17 07:30	06/14/17 16:22	95-63-6	
1,3,5-Trimethylbenzene	**93800**	ug/kg	2730	1140	40	06/14/17 07:30	06/14/17 16:22	108-67-8	
Xylene (Total)	**153000**	ug/kg	8200	3420	40	06/14/17 07:30	06/14/17 16:22	1330-20-7	
m&p-Xylene	**145000**	ug/kg	5470	2280	40	06/14/17 07:30	06/14/17 16:22	179601-23-1	
o-Xylene	**7750**	ug/kg	2730	1140	40	06/14/17 07:30	06/14/17 16:22	95-47-6	
Surrogates									
a,a,a-Trifluorotoluene (S)	108	%	80-120		40	06/14/17 07:30	06/14/17 16:22	98-08-8	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**12.2**	%	0.10	0.10	1		06/16/17 09:28		

Sample: 6: 11-12 Lab ID: **40151491020** Collected: 06/12/17 00:00 Received: 06/13/17 09:25 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGROGCV	Analytical Method: WI MOD GRO Preparation Method: TPH GRO/PVOC WI ext.								
Benzene	**26600**	ug/kg	3570	1490	50	06/14/17 07:30	06/14/17 16:47	71-43-2	
Ethylbenzene	**131000**	ug/kg	3570	1490	50	06/14/17 07:30	06/14/17 16:47	100-41-4	
Methyl-tert-butyl ether	**6460**	ug/kg	3570	1490	50	06/14/17 07:30	06/14/17 16:47	1634-04-4	
Naphthalene	**32900**	ug/kg	3570	1490	50	06/14/17 07:30	06/14/17 16:47	91-20-3	
Toluene	**415000**	ug/kg	3570	1490	50	06/14/17 07:30	06/14/17 16:47	108-88-3	
Total Trimethylbenzenes	**306000**	ug/kg	7150	2980	50	06/14/17 07:30	06/14/17 16:47		
1,2,4-Trimethylbenzene	**228000**	ug/kg	3570	1490	50	06/14/17 07:30	06/14/17 16:47	95-63-6	
1,3,5-Trimethylbenzene	**77800**	ug/kg	3570	1490	50	06/14/17 07:30	06/14/17 16:47	108-67-8	
Xylene (Total)	**572000**	ug/kg	10700	4470	50	06/14/17 07:30	06/14/17 16:47	1330-20-7	
m&p-Xylene	**418000**	ug/kg	7150	2980	50	06/14/17 07:30	06/14/17 16:47	179601-23-1	
o-Xylene	**154000**	ug/kg	3570	1490	50	06/14/17 07:30	06/14/17 16:47	95-47-6	
Surrogates									
a,a,a-Trifluorotoluene (S)	86	%	80-120		50	06/14/17 07:30	06/14/17 16:47	98-08-8	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**16.1**	%	0.10	0.10	1		06/16/17 09:28		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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Green Bay, WI 54302
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ANALYTICAL RESULTS

Project: JULSON STORE
Pace Project No.: 40151491

Sample: TB Lab ID: 40151491021 Collected: 06/12/17 00:00 Received: 06/13/17 09:25 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO Preparation Method: TPH GRO/PVOC WI ext.								
Benzene	**<25.0**	ug/kg	50.0	25.0	1	06/14/17 07:30	06/14/17 18:23	71-43-2	W
Ethylbenzene	**<25.0**	ug/kg	50.0	25.0	1	06/14/17 07:30	06/14/17 18:23	100-41-4	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	50.0	25.0	1	06/14/17 07:30	06/14/17 18:23	1634-04-4	W
Naphthalene	**<25.0**	ug/kg	50.0	25.0	1	06/14/17 07:30	06/14/17 18:23	91-20-3	W
Toluene	**<25.0**	ug/kg	50.0	25.0	1	06/14/17 07:30	06/14/17 18:23	108-88-3	W
Total Trimethylbenzenes	**<50.0**	ug/kg	100	50.0	1	06/14/17 07:30	06/14/17 18:23		W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	50.0	25.0	1	06/14/17 07:30	06/14/17 18:23	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	50.0	25.0	1	06/14/17 07:30	06/14/17 18:23	108-67-8	W
Xylene (Total)	**<75.0**	ug/kg	150	75.0	1	06/14/17 07:30	06/14/17 18:23	1330-20-7	W
m&p-Xylene	**<50.0**	ug/kg	100	50.0	1	06/14/17 07:30	06/14/17 18:23	179601-23-1	W
o-Xylene	**<25.0**	ug/kg	50.0	25.0	1	06/14/17 07:30	06/14/17 18:23	95-47-6	W
Surrogates									
a,a,a-Trifluorotoluene (S)	104	%	80-120		1	06/14/17 07:30	06/14/17 18:23	98-08-8	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
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(920)469-2436

QUALITY CONTROL DATA

Project: JULSON STORE
Pace Project No.: 40151491

QC Batch: 258534 Analysis Method: WI MOD GRO
QC Batch Method: TPH GRO/PVOC WI ext. Analysis Description: WIGRO Solid GCV
Associated Lab Samples: 40151491001, 40151491002, 40151491003, 40151491004, 40151491005, 40151491006, 40151491007, 40151491008, 40151491009, 40151491010, 40151491011, 40151491012, 40151491013, 40151491014, 40151491015, 40151491016, 40151491017, 40151491018, 40151491019, 40151491020

METHOD BLANK: 1523107 Matrix: Solid
Associated Lab Samples: 40151491001, 40151491002, 40151491003, 40151491004, 40151491005, 40151491006, 40151491007, 40151491008, 40151491009, 40151491010, 40151491011, 40151491012, 40151491013, 40151491014, 40151491015, 40151491016, 40151491017, 40151491016, 40151491019, 40151491020

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2,4-Trimethylbenzene	ug/kg	<25.0	50.0	06/14/17 09:05	
1,3,5-Trimethylbenzene	ug/kg	<25.0	50.0	06/14/17 09:05	
Benzene	ug/kg	<25.0	50.0	06/14/17 09:05	
Ethylbenzene	ug/kg	<25.0	50.0	06/14/17 09:05	
m&p-Xylene	ug/kg	<50.0	100	06/14/17 09:05	
Methyl-tert-butyl ether	ug/kg	<25.0	50.0	06/14/17 09:05	
Naphthalene	ug/kg	<25.0	50.0	06/14/17 09:05	
o-Xylene	ug/kg	<25.0	50.0	06/14/17 09:05	
Toluene	ug/kg	<25.0	50.0	06/14/17 09:05	
Total Trimethylbenzenes	ug/kg	<50.0	100	06/14/17 09:05	
Xylene (Total)	ug/kg	<75.0	150	06/14/17 09:05	
a,a,a-Trifluorotoluene (S)	%	100	80-120	06/14/17 09:05	

LABORATORY CONTROL SAMPLE & LCSD: 1523108 1523109

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1,2,4-Trimethylbenzene	ug/kg	1000	1080	1080	108	108	80-120	0	20	
1,3,5-Trimethylbenzene	ug/kg	1000	1040	1040	104	104	80-120	0	20	
Benzene	ug/kg	1000	1010	1030	101	103	80-120	2	20	
Ethylbenzene	ug/kg	1000	1050	1050	105	105	80-120	1	20	
m&p-Xylene	ug/kg	2000	2090	2070	105	104	80-120	1	20	
Methyl-tert-butyl ether	ug/kg	1000	1010	1000	101	100	80-120	1	20	
Naphthalene	ug/kg	1000	1080	1070	108	107	80-120	1	20	
o-Xylene	ug/kg	1000	1050	1050	105	105	80-120	1	20	
Toluene	ug/kg	1000	1030	1040	103	104	80-120	1	20	
Total Trimethylbenzenes	ug/kg	2000	2120	2120	106	106	80-120	0	20	
Xylene (Total)	ug/kg	3000	3150	3120	105	104	80-120	1	20	
a,a,a-Trifluorotoluene (S)	%				103	101	80-120			

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: JULSON STORE
Pace Project No.: 40151491

QC Batch: 258535 Analysis Method: WI MOD GRO
QC Batch Method: TPH GRO/PVOC WI ext. Analysis Description: WIGRO Solid GCV
Associated Lab Samples: 40151491021

METHOD BLANK: 1523110 Matrix: Solid
Associated Lab Samples: 40151491021

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2,4-Trimethylbenzene	ug/kg	<25.0	50.0	06/14/17 12:46	
1,3,5-Trimethylbenzene	ug/kg	<25.0	50.0	06/14/17 12:46	
Benzene	ug/kg	<25.0	50.0	06/14/17 12:46	
Ethylbenzene	ug/kg	<25.0	50.0	06/14/17 12:46	
m&p-Xylene	ug/kg	<50.0	100	06/14/17 12:46	
Methyl-tert-butyl ether	ug/kg	<25.0	50.0	06/14/17 12:46	
Naphthalene	ug/kg	<25.0	50.0	06/14/17 12:46	
o-Xylene	ug/kg	<25.0	50.0	06/14/17 12:46	
Toluene	ug/kg	<25.0	50.0	06/14/17 12:46	
Total Trimethylbenzenes	ug/kg	<50.0	100	06/14/17 12:46	
Xylene (Total)	ug/kg	<75.0	150	06/14/17 12:46	
a,a,a-Trifluorotoluene (S)	%	104	80-120	06/14/17 12:46	

LABORATORY CONTROL SAMPLE & LCSD: 1523111 1523112

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1,2,4-Trimethylbenzene	ug/kg	1000	1100	1060	110	106	80-120	3	20	
1,3,5-Trimethylbenzene	ug/kg	1000	1070	1040	107	104	80-120	3	20	
Benzene	ug/kg	1000	1040	1010	104	101	80-120	2	20	
Ethylbenzene	ug/kg	1000	1080	1050	108	105	80-120	3	20	
m&p-Xylene	ug/kg	2000	2140	2070	107	104	80-120	3	20	
Methyl-tert-butyl ether	ug/kg	1000	1020	995	102	100	80-120	2	20	
Naphthalene	ug/kg	1000	973	1000	97	100	80-120	3	20	
o-Xylene	ug/kg	1000	1080	1040	108	104	80-120	3	20	
Toluene	ug/kg	1000	1050	1020	105	102	80-120	4	20	
Total Trimethylbenzenes	ug/kg	2000	2170	2100	109	105	80-120	3	20	
Xylene (Total)	ug/kg	3000	3220	3110	107	104	80-120	3	20	
a,a,a-Trifluorotoluene (S)	%				105	104	80-120			

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
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(920)469-2436

QUALITY CONTROL DATA

Project: JULSON STORE
Pace Project No.: 40151491

QC Batch: 258801 Analysis Method: ASTM D2974-87
QC Batch Method: ASTM D2974-87 Analysis Description: Dry Weight/Percent Moisture
Associated Lab Samples: 40151491001, 40151491002, 40151491003, 40151491004, 40151491005

SAMPLE DUPLICATE: 1524754

Parameter	Units	40151491004 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	13.0	13.0	0	10	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

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QUALITY CONTROL DATA

Project: JULSON STORE
Pace Project No.: 40151491

QC Batch: 258804 Analysis Method: ASTM D2974-87
QC Batch Method: ASTM D2974-87 Analysis Description: Dry Weight/Percent Moisture
Associated Lab Samples: 40151491006, 40151491007, 40151491008, 40151491009, 40151491010

SAMPLE DUPLICATE: 1524759

Parameter	Units	40151491006 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	14.3	14.5	1	10	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

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QUALITY CONTROL DATA

Project: JULSON STORE
Pace Project No.: 40151491

QC Batch: 258810 Analysis Method: ASTM D2974-87
QC Batch Method: ASTM D2974-87 Analysis Description: Dry Weight/Percent Moisture
Associated Lab Samples: 40151491011, 40151491012, 40151491013, 40151491014, 40151491015, 40151491016, 40151491017, 40151491018, 40151491019, 40151491020

SAMPLE DUPLICATE: 1524783

Parameter	Units	40151491012 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	12.4	12.3	1	10	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALIFIERS

Project: JULSON STORE
Pace Project No.: 40151491

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above LOD.

J - Estimated concentration at or above the LOD and below the LOQ.

LOD - Limit of Detection adjusted for dilution factor and percent moisture.

LOQ - Limit of Quantitation adjusted for dilution factor and percent moisture.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected at or above the adjusted LOD.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

LABORATORIES

PASI-G Pace Analytical Services - Green Bay

ANALYTE QUALIFIERS

W Non-detect results are reported on a wet weight basis.

Pace Analytical Services, LLC
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(920)469-2436

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: JULSON STORE
Pace Project No.: 40151491

LabID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40151491001	1: 3-4	TPH GRO/PVOC WI ext.	258534	WI MODGRO	258536
40151491002	1: 7-8	TPH GRO/PVOC WI ext.	258534	WI MOD GRO	258536
40151491003	1: 11-12	TPH GRO/PVOC WI ext.	258534	WI MOD GRO	258536
40151491004	1: 15-16	TPH GRO/PVOC WI ext.	258534	WI MODGRO	258536
40151491005	2: 3-4	TPH GRO/PVOC WI ext.	258534	WI MOD GRO	258536
40151491006	2: 7-8	TPH GRO/PVOC WI ext.	258534	WI MODGRO	258536
40151491007	2: 11-12	TPH GRO/PVOC WI ext.	258534	WI MODGRO	258536
40151491008	3: 3-4	TPH GRO/PVOC WI ext.	258534	WI MODGRO	258536
40151491009	3: 7-8	TPH GRO/PVOC WI ext.	258534	WI MOD GRO	258536
40151491010	3: 11-12	TPH GRO/PVOC WI ext.	258534	WI MOD GRO	258536
40151491011	4: 3-4	TPH GRO/PVOC WI ext.	258534	WI MOD GRO	258536
40151491012	4: 7-8	TPH GRO/PVOC WI ext.	258534	WI MOD GRO	258536
40151491013	4: 11-12	TPH GRO/PVOC WI ext.	258534	WI MOD GRO	258536
40151491014	5: 3-4	TPH GRO/PVOC WI ext.	258534	WI MOD GRO	258536
40151491015	5: 7-8	TPH GRO/PVOC WI ext.	258534	WI MOD GRO	258536
40151491016	5: 11-12	TPH GRO/PVOC WI ext.	258534	WI MOD GRO	258536
40151491017	6: 3-4	TPH GRO/PVOC WI ext.	258534	WI MOD GRO	258536
40151491018	6: 7-8	TPH GRO/PVOC WI ext.	258534	WI MOD GRO	258536
40151491019	6: 10'	TPH GRO/PVOC WI ext.	258534	WI MOD GRO	258536
40151491020	6: 11-12	TPH GRO/PVOC WI ext.	258534	WI MOD GRO	258536
40151491021	TB	TPH GRO/PVOC WI ext.	258535	WI MODGRO	258538
40151491001	1: 3-4	ASTM D2974-87	258801		
40151491002	1: 7-8	ASTM D2974-87	258801		
40151491003	1: 11-12	ASTM D2974-87	258801		
40151491004	1: 15-16	ASTM D2974-87	258801		
40151491005	2: 3-4	ASTM D2974-87	258801		
40151491006	2: 7-8	ASTM D2974-87	258804		
40151491007	2: 11-12	ASTM D2974-87	258804		
40151491008	3: 3-4	ASTM D2974-87	258804		
40151491009	3: 7-8	ASTM D2974-87	258804		
40151491010	3: 11-12	ASTM D2974-87	258804		
40151491011	4: 3-4	ASTM D2974-87	258810		
40151491012	4: 7-8	ASTM D2974-87	258810		
40151491013	4: 11-12	ASTM D2974-87	258810		
40151491014	5: 3-4	ASTM D2974-87	258810		
40151491015	5: 7-8	ASTM D2974-87	258810		
40151491016	5: 11-12	ASTM D2974-87	258810		
40151491017	6: 3-4	ASTM D2974-87	258810		
40151491018	6: 7-8	ASTM D2974-87	258810		
40151491019	6: 10'	ASTM D2974-87	258810		
40151491020	6: 11-12	ASTM D2974-87	258810		

Pace Analytical®
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UPPER MIDWEST REGION
MN: 612-607-1700 WI: 920-469-2436

40151491

CHAIN OF CUSTODY

*Preservation Codes
A=None B=HCL C=H2SO4 D=HNO3 E=DI Water F=Methanol G=NaOH
H=Sodium Bisulfate Solution I=Sodium Thiosulfate J=Other

(Please Print Clearly)	
Company Name:	Meridian Env Grp
Branch/Location:	
Project Contact:	Ken Shimko
Phone:	715-832-6608
Project Number:	
Project Name:	~~AA~~ Judson Store
Project State:	WI
Sampled By (Print):	Ken Shimko
Sampled By (Sign):	
PO #:	Regulatory Program:

Quote #:	
Mail To Contact:	Ken Shimko
Mail To Company:	Meridian Env Grp
Mail To Address:	2711 N. Flico Rd Fall Creek WI
Invoice To Contact:	
Invoice To Company:	54742
Invoice To Address:	
Invoice To Phone:	

Data Package Options (billable)
☐ EPA Level III
☐ EPA Level IV

MS/MSD
☐ On your sample (billable)
☐ NOT needed on your sample

Matrix Codes
A = Air, B = Biota, C = Charcoal, O = Oil, S = Soil, SI = Sludge, W = Water, DW = Drinking Water, GW = Ground Water, SW = Surface Water, WW = Waste Water, WP = Wipe

PACE LAB #	CLIENT FIELD ID	COLLECTION DATE	COLLECTION TIME	MATRIX	Analyses Requested: FILTERED? (YES/NO) Y/N	PRESERVATION (CODE)* Pick Letter	PVOC + Naph	CLIENT COMMENTS	LAB COMMENTS (Lab Use Only)	Profile #
001	1: 3-4	6/12		S			X		1-40ml vF 1-40zpH	
002	7-8									
003	11-12									
004	15-16									
005	2 3-4									
006	7-8									
007	11-12									
008	3 3-4									
009	7-8									
010	11-12									
011	4 3-4									
012	7-8									
013	11-12									

Page 1 of 2

Rush Turnaround Time Requested - Prelims
(Rush TAT subject to approval/surcharge)
Date Needed:

Transmit Prelim Rush Results by (complete what you want):

Email #1:	
Email #2:	
Telephone:	
Fax:	

Samples on HOLD are subject to special pricing and release of liability

Relinquished By:	Date/Time:	Received By:	Date/Time:
Relinquished By: Fed Ex	Date/Time: 6/13/17 0925	Received By: Pace	Date/Time: 6/13/17 0925
Relinquished By:	Date/Time:	Received By:	Date/Time:
Relinquished By:	Date/Time:	Received By:	Date/Time:
Relinquished By:	Date/Time:	Received By:	Date/Time:

PACE Project No.
40151491

Receipt Temp = 4.2 °C

Sample Receipt pH
OK / Adjusted

Cooler Custody Seal
Present / Not Present
Intact / Not Intact

Version 6.0 06/14/06

C019a(27Jun2006)

ORIGINAL

Pace Analytical
www.pacelabs.com

UPPER MIDWEST REGION
MN: 612-607-1700 WI: 920-469-2436

Page 2 of 2

40151491

Page 26 of 28

CHAIN OF CUSTODY

*Preservation Codes
A=None B=HCL C=H2SO4 D=HNO3 E=DI Water F=Methanol G=NaOH
H=Sodium Bisulfate Solution I=Sodium Thiosulfate J=Other

(Please Print Clearly)	
Company Name:	Meridian Env. Co.
Branch/Location:	
Project Contact:	Ken Shimko
Phone:	715 832 6688
Project Number:	
Project Name:	Julson Store
Project State:	WI
Sampled By (Print):	Ken Shimko
Sampled By (Sign):	
PO#:	Regulatory Program:

Quote #:	4
Mail To Contact:	Ken Shimko
Mail To Company:	Meridian E.C.
Mail To Address:	2711 N. Edco Rd Fall Creek WI 54742
Invoice To Contact:	
Invoice To Company:	
Invoice To Address:	
Invoice To Phone:	

Data Package Options (billable)
☐ EPA Level III
☐ EPA Level IV

MS/MSD
☐ On your sample (billable)
☐ NOT needed on your sample

Matrix Codes
A = Air W = Water
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SI = Sludge WP = Wipe

PACE LAB#	CLIENT FIELD ID	COLLECTION DATE	COLLECTION TIME	MATRIX	FILTERED? (YES/NO) Y/N	PRESERVATION (CODE)* Pick Letter	Analyses Requested: PVOC + Naph	CLIENT COMMENTS	LAB COMMENTS (Lab Use Only)	Profile #
014	S 3-4	6/12		S			X		1-40mlVF 1-40Zpa	
015	7-8									
016	11-12									
017	6 3-4									
018	7-8									
019	10'									
020	11-12									
021	BTB									

Page 2 of 2

Rush Turnaround Time Requested - Prelims
(Rush TAT subject to approval/surcharge)
Date Needed:

Transmit Prelim Rush Results by (complete what you want):

Email #1:	
Email #2:	
Telephone:	
Fax:	

Samples on HOLD are subject to special pricing and release of liability

Relinquished By:	Date/Time:	Received By:	Date/Time:
	6/12/17	Fed Ex	6/12/17
Fed Ex	6/13/17 0925		6/13/17 0925
Relinquished By:	Date/Time:	Received By:	Date/Time:
Relinquished By:	Date/Time:	Received By:	Date/Time:
Relinquished By:	Date/Time:	ReceivedBy:	Date/Time

PACE Project No.: 40151491

Receipt Temp = ROI °C

Sample Receipt pH OK / Adjusted

Cooler Custody Seal
Present / Not Present
Intact / Not Intact

Version 6.0 06/14/06

C019a(27Jun2006) BTB added to COC by Lab AB 6/13/17

ORIGINAL

Pace Container Order #252162

40151491

Addresses

Order By :		Ship To :		Return To:	
Company	Meridian Environmental Consulting,	Company	Meridian Environmental Consulting,	Company	Pace Analytical Green Bay
Contact	Shimko, Kenneth	Contact	Shimko, Kenneth	Contact	Basten, Brian
Email	kshimko.meridianenv@gmail.com	Email	kshimko.meridianenv@gmail.com	Email	brian.basten@pacelabs.com
Address	2711 North Elco Rd	Address	2711 North Elco Rd	Address	1241 Bellevue Street
Address 2		Address 2		Address 2	Suite 9
City	Fall Creek	City	Fall Creek	City	Green Bay
State	WI Zip 54742	State	WI Zip 54742	State	WI Zip 54302
Phone	715-579-0723	Phone	715-579-0723	Phone	(920)469-2436

Info

Project Name	Marum	Due Date	06/01/2017	Profile		Quote	
Project Manager	Basten, Brian	Return		Carrier	Most Economical	Location	WI

Trip Blanks

- [X] Include Trip Blanks

Bottle Labels

- [X] Blank
- [ ] Pre-Printed No Sample IDs
- [ ] Pre-Printed With Sample IDs

Bottles

- [ ] Boxed Cases
- [ ] Individually Wrapped
- [ ] Grouped By Sample

Return Shipping Labels

- [ ] No Shipper Number
- [ ] With Shipper Number

COC Options

- [X] Number of Blanks: 3
- [ ] Pre-Printed

Misc

- [ ] Sampling Instructions
- [X] Custody Seal
- [ ] Temp. Blanks
- [X] Coolers
- [X] Syringes
- [ ] Extra Bubble Wrap
- [ ] Short Hold/Rush Stickers
- [ ] DI Water Liter(s)
- [ ] USDA Regulated Soils

# of Samples	Matrix	Test	Container	Total	#ofQC	Lot #	Notes
20	SL	PVOC+Naph	40mL vial, 10mL MeOH Tared Wt	20	0	B-7-024-01VB	
20	SL	10g Sampling Tool	10mL plastic syringe	20	0	NA	
20	SL	Lead, Total	4oz. Plastic	20	0	161206	
1	SL	MEOH Trip Blanks	40mL vial, 10mL MeOH w/custody seal	1	0	B-7-024-01VB	

Hazard Shipping Placard In Place : NA

*Sample receivinghours are Monday through Friday 8:00 am to 6:00 pm and Saturday from 9:00 am to 12:00 pm unless special arrangements are made with your project manager.

*Pace Analytical reserves the right to return hazardous, toxic, or radioactive samples to you.

*Pace Analytical reserves the right to charge for unused bottles, as well as cost associated with sample storage and disposal.

*Payment term are net 30 days.

*Please include the proposal number on the chain of custody to insure proper billing.

Sample Notes

Ship Date : 05/31/2017

Prepared By: Mai Yer Her

Verified By:

Sample Condition Upon Receipt

Pace Analytical Services, LLC. - Green Bay WI
1241 Bellevue Street, Suite 9
Green Bay, WI 54302

PaceAnalytical™

Project #: WO# : 40151491

40151491

Client Name: Meridian

Courier: [X] Fed Ex [ ] UPS [ ] Client [ ] Pace Other:

Tracking #: 7793 7600 0933

Custody Seal on Cooler/Box Present: [ ] yes [X] no Seals intact: [ ] yes [ ] no

Custody Seal on Samples Present: [ ] yes [X] no Seals intact: [ ] yes [ ] no

Packing Material: [X] Bubble Wrap [ ] Bubble Bags [ ] None [ ] Other

Thermometer Used N/A **Type of Ice:** Wet Blue Dry None [X] Samples on ice, cooling process has begun

Cooler Temperature Uncorr: Acc /Corr: **Biological Tissue is Frozen:** [ ] yes [ ] no

Temp Blank Present: [ ] yes [X] no

Person examining contents:
Date: 6/13/17
Initials: SSM

Temp should be above freezing to 6°C.
Biota Samples may be received at ≤ 0°C.

				Comments:
Chain of Custody Present:	[X] Yes	[ ] No	[ ] N/A	1.
Chain of Custody Filled Out:	[X] Yes	[ ] No	[ ] N/A	2.
Chain of Custody Relinquished:	[ ] Yes	[X] No	[ ] N/A	3. Second page of COC only no time SSM 6/13/17
Sampler Name & Signature on COC:	[X] Yes	[ ] No	[ ] N/A	4.
Samples Arrived within Hold Time:	[X] Yes	[ ] No	[ ] N/A	5.
- VOA Samples frozen upon receipt	[ ] Yes	[ ] No		Date/Time:
Short Hold Time Analysis (<72hr):	[ ] Yes	[X] No	[ ] N/A	6.
Rush Turn Around Time Requested:	[ ] Yes	[X] No	[ ] N/A	7.
Sufficient Volume:	[X] Yes	[ ] No	[ ] N/A	8.
Correct Containers Used:	[X] Yes	[ ] No	[ ] N/A	9.
-Pace Containers Used:	[X] Yes	[ ] No	[ ] N/A	
-Pace IR Containers Used:	[ ] Yes	[ ] No	[X] N/A	
Containers Intact:	[X] Yes	[ ] No	[ ] N/A	10.
Filtered volume received for Dissolved tests	[ ] Yes	[ ] No	[X] N/A	11.
Sample Labels match COC:	[ ] Yes	[X] No	[ ] N/A	12. no date/times 6/13/17
-Includes date/time/ID/Analysis Matrix: S				
All containers needing preservation have been checked. (Non-Compliance noted in 13.)	[ ] Yes	[ ] No	[X] N/A	13. [ ] HNO3 [ ] H2SO4 [ ] NaOH [ ] NaOH +ZnAct
All containers needing preservation are found to be in compliance with EPA recommendation. (HNO3, H2SO4 ≤2; NaOH+ZnAct ≥9, NaOH ≥12)	[ ] Yes	[ ] No	[X] N/A	
exceptions: VOA, coliform, TOC, TOX, TOH, O&G, WIDROW, Phenolics. OTHER:	[ ] Yes	[X] No		Initial when completed / Lab Std #ID of preservative / Date/Time:
Headspace in VOA Vials (>6mm):	[ ] Yes	[ ] No	[X] N/A	14.
Trip Blank Present:	[X] Yes	[ ] No	[ ] N/A	15.
Trip Blank Custody Seals Present	[X] Yes	[ ] No	[ ] N/A	
Pace Trip Blank Lot# (if purchased):				

Client Notification/ Resolution: If checked, see attached form for additional comments [ ]

Person Contacted: Date/Time:

Comments/ Resolution:

Project Manager Review: Date: 6/13/17