

August 30, 2019

Matt Vitale Wisconsin Department of Natural Resources 1300 W Clairemont Eau Claire, Wisconsin 54701

Subject: Progress Report Grace's Store (Former) 33768 State Hwy. 21 Camp Douglas, Wisconsin DNR BRRTS No. 03-42-204862 PECFA No. 54618-8018-68 Meridian No. 05F756

Dear Matt:

This letter provides the results of recent work completed at the former Grace's Store site.

This work included:

- Geoprobe Soil Borings GP-1 thru GP-9 (June 26, 2019)
- Ground Water Sampling (June 26, 2019)
- Potable Well Reconnaissance
- Preparation of this Progress Report

Based on the results of this work and previous data, there is minor residual soil contamination in the former pump island/tank basin area (GP-3). The concentrations are minor but the Soil to GW RCL for benzene is exceeded in the soil sample from 10 ft below grade. This may reflect ground water contamination at this location.

The monitoring well and private well water samples were all clean.

Although this data is encouraging, we recommend the underlying sand aquifer be sampled to confirm it is not impacted. This can be accomplished with several temporary wells (installed with a Geoprobe). The monitoring and private wells could be sampled at that time to confirm the recent results.

If the underlying aquifer is found to not be impacted, this site should be evaluated for Closure.

A Change Order/Work Plan for these recommendations can be submitted upon request.

BACKGROUND INFORMATION

Background information was obtained from the report <u>Site Investigation/Closure Assessment</u> <u>Report</u> by Envirogen dated April 2003. The reader is referred to this report and the project file for detailed information regarding the site and previous environmental work. A summary of the site work is provided below.

The site is a former country store located on Highway 21 in the unincorporated village of Shennington (mailing address is Camp Douglas), Wisconsin (see Figures 1 and 2). The building is now used as a residence.

The area is flat with surface water drainage generally to the south. A small waterway (Beaver Creek) flows south about 500 feet east of the site.

According to file reports, the site began selling petroleum in the 1960's. The petroleum system (tanks, one pump island, associated piping) and a fuel oil tank were removed in September 1999. The results of the Tank System Site Assessment (TSSA) sampling from beneath the tanks, piping, and pump island are summarized in Table 1 (refer to Figure 3 for tank and sample locations). These samples indicated petroleum impacts beneath the fuel oil tank.

A Site Investigation was initiated in March 2000 by Envirogen. Six monitoring wells (MW-1 thru MW-6) and two soil borings (TB-1, TB-2) were installed in the locations shown in Figure 4.

The reader should note that the well referred to as MW-6 might be MW-5. The well labelled MW-6 on Figure 4 may have been referred to as MW-5 when Meridian sampled in 2009. For now, the well located and sampled in June 2019 is referred to as MW-6 and shown on Figure 4 as MW-6; MW-5 is assumed to be lost.

The borings were installed to depths of 15 to 18 feet. The borings encountered silty clay with occasional sand layers ("seams"). Ground water was measured about 7 feet below grade.

Soil samples were collected from the soil borings and analyzed for PVOC, GRO, and DRO. Table 1 summarizes the soil sampling data. Impacted soil was documented in the former fuel oil tank area (UST Closure Sample S-5 and S-6) and beneath the former pump island (soil sample from boring MW-2). Minor impacts were also measured in the other borings.

Envirogen sampled the monitoring wells 8 times from April 2000 to September 2002; this data is summarized in Table 2. In August 2002, Envirogen installed temporary well TMW-1 and collected a water sample in September 2002; this sample was clean.

The ground water samples indicated the petroleum system did impact the ground water in the former tank (MW-1) and pump island area (MW-2) as well as the former fuel oil tank area. NR140 Enforcement Standard Exceedances for benzene were measured in MW-1 and MW-2.

Envirogen prepared a report titled <u>Site Investigation/Closure Assessment Report</u> dated April 2003. This report summarized the Tank System Site Assessment (TSSA) data as well as the site investigation work. Based on the sampling data completed at the site, Envirogen recommended this site be closed.

The project stalled for several years due to financial reasons and declining health of the former owner. The property was purchased in 2008 by the current owner. Prior to the purchase, the

DNR provided a letter dated December 11, 2007 documenting additional information required for Closure. This included:

- Sample the ground water in the on-site potable well for volatile organic compounds
- Provide a construction report for the on-site potable well
- Provide a map of the locations of all potable wells that are found directly adjacent to the Grace's Store property

• Provide well construction reports for all of the potable wells that are found to be directly adjacent to the Grace's Store property

• Submit GIS Registry fees for Soil and Ground Water

Meridian Environmental Consulting, LLC (Meridian) became the PECFA Agent for the new owner in 2009. A Change Order for the above tasks dated March 20, 2009 was approved by PECFA.

Meridian visited the site July 18, 2009 and sampled MW-1, -2, -3, -5, and the Store well. The monitoring wells MW-4 and MW-6 (or MW-5?) could not be located. The analytical data is summarized in Table 2.

Meridian submitted the ground water sampling data in a report <u>Project Status Report and Change</u> <u>Order</u> dated December 18, 2012. Meridian recommended the site be submitted for Closure with GIS Registry for Soil and Ground Water.

The project stalled again for several years until 2018. Due to the amount of time since the previous sampling events, Meridian recommended current soil and ground water data be collected to complete the GIS Registry maps and tables. Meridian also recommended a current potable well reconnaissance be completed.

This work was completed in June 2019 and is described below.

RECENT WORK

Soil Borings

Soil borings GP-1 thru GP-9 were installed June 26, 2019 in the locations shown in Figure 4. The soil boring logs are provided in Appendix A.

Soil samples were collected throughout the boring depth. Selected samples from discrete intervals were collected and analyzed for PVOC+Naphthalene. The analytical report is provided in Appendix B and summarized in Table 1.

Ground Water Sampling

Ground water samples were collected from the monitoring wells and onsite well on June 26, 2019. A followup sample was collected from the adjacent property (33794 Hwy. 21) on August 1, 2019.

The analytical reports are provided in Appendix B and summarized in Table 2. The depth to water and natural attenuation field parameters (e.g., dissolved oxygen, temperature, pH, conductivity, ORP) were measured in the monitoring wells (see Tables 3 and 4, respectively).

DATA EVALUATION

Site Hydrogeology

Well logs from the area were obtained from the Wisconsin Geological and Natural History Survey (Appendix C). In addition, the <u>Geology of Juneau County</u>, <u>Wisconsin</u> (Lee Clayton, 1989, Information Circular 66, Wisconsin Geological and Natural History Survey) was reviewed. These resources indicate the site is underlain by 20 - 30 feet of wind-blown sediments (silty clay) overlying well-sorted sand (offshore sediments from Glacial Lake Wisconsin). The sand unit thickness is estimated at about 25 - 30 feet below the site. Beneath the sand unit is the Mt. Simon Sandstone (Cambrian). The Mt. Simon Sandstone is typically over 200 feet thick and rests on Precambrian basement rocks.

Figure 5 is a cross-section illustrating the site geology. The onsite borings are consistent with the regional geology and area well logs (Appendix C). That is, fine-grained soils (silty clay) were encountered to depths of 20 feet. The well-sorted sand unit described in the literature appears to be at a depth of about 25 feet based on the well logs. The onsite well obtains water from this regional sand aquifer.

A sand "seam" (thin layer) at about 15 feet depth was described on Envirogen's boring logs. This unit was several inches thick and appears to be consistent in each of the borings. The sand seam was over a foot thick in MW-6.

Potable Wells

Based on the nearby well logs (Appendix C) and conversations with the site owner, wells in the area are typically sand points to about 30 feet depth. Figure 6 illustrates residences in the vicinity of the site. These residences all rely on private wells for water supply.

The onsite well is a sand point according to the current owner. It was sampled several times (Table 2); no petroleum parameters were measured in the well.

The water supply at the adjacent (east) property (33794 Hwy 21) was sampled August 1, 2019. No petroleum parameters were measured in the well.

The well log (SF966) for the property southeast of the property (33855 Expedition Ave) is drilled to 41 ft. The log encountered clay to about 34 ft below grade where "yellow sand" was encountered.

Other wells in the area include SF949 at St. Peters Church (sand at 19 ft) and NZ223 south of the property at 10085 (75?) Funnel Dr (sand at 17 ft).

Ground Water Flow

Envirogen interpreted ground water flow toward the southeast. Envirogen estimated the hydraulic conductivity of the silty soils as 1.4 ft/day.

Meridian re-surveyed the well elevations on June 26, 2019. The well casings in all of the wells were frost-heaved and had to be cut down. Table 3 summarizes the ground water elevations measured June 26, 2019.

Figure 7 illustrates the ground water table contours based on the June 26, 2019 measurements. The recent data suggest an onsite ground water mound around MW-2 and MW-3. It is noteworthy the soils were saturated due to recent heavy rain in addition to a wet spring. Thus the water levels measured June 26, 2019 may represent local saturation and not the normal hydraulic head in that well. Plus the wells were frost-heaved and the well plugs may have been leaking. Additional water level measurements would be helpful to determine ground water flow.

Piezometers were not installed to measure the vertical hydraulic gradient. It is common for a site with similar geology (i.e., fine-grained soils overlying coarse soils) to have a downward vertical component of flow. This can lead to downward transport of impacted ground water which can then impact nearby water supply wells. Temporary wells could be installed with a Geoprobe to sample the underlying sand aquifer.

Extent of Impacted Soil

There are three areas that were investigated for soil contamination:

Former tank basin

Meridian installed GP-1, -2, -9 in and around the former tank basin. In addition, Envirogen collected a soil sample from MW-1 (13.5 ft) when it was installed in March 2000. These samples did not contain petroleum parameters.

The ground water samples from MW-1 were impacted with benzene above NR140 ES in the past. And the June 26, 2019 sampling of MW-1 encountered black-stained water which may be due to bacterial action associated with petroleum impacts.

Clearly there were petroleum impacts in the former tank basin based on the ground water samples. However, the recent soil and ground water data indicates this area is not impacted above standards.

Piping and Pump Island

Meridian installed soil boring GP-3 between the tank basin and the pump island. Soil samples collected from this boring did contain petroleum impacts. And soil samples collected by Envirogen from MW-2 at 5 ft contained petroleum impacts. However, the samples from GP-4 installed adjacent to MW-2 did not contain petroleum impacts. Nor did GP-5 and GP-6.

Based on the data from GP-3, -4, -5, -6 and from Envirogen's sample from MW-2, there appears to be impacted soil associated with the former piping and pump island. However, the impacts do not appear to be widespread.

The benzene concentrations in the sample from GP-3 at a depth of 8 - 10 ft are above the *Soil to GW* RCL for benzene. This sample was saturated and the concentration may reflect ground water rather than soil.

Fuel Oil tank

Impacted soil was measured in soil samples from MW-3 and TB-1. However, the concentrations appear to be below soil standards and further work is not recommended in this area. This is supported by the soil samples collected from GP-7 and GP-8. Additionally, the water samples from MW-3 have been consistently below NR140 ES and PALs further supporting the No Further Action recommendation at the former fuel oil tank area.

In summary, the horizontal and vertical extent of impacted <u>unsaturated</u> soil at this site is defined. However, saturated soil samples collected from below the water table in GP-3 suggest petroleum impacts at depth (8 - 10 ft depth). This vertical extent and potential impact to the underlying sand aquifer should be investigated.

Extent of Impacted Ground Water

Historically, NR140 ES and PALs (for benzene) were exceeded in MW-1 and MW-2 which are located in the former tank basin and pump island area. However, the concentrations appear to be decreasing and no NR140 ES or PALs were measured in the June 26, 2019 samples. This should be confirmed with an additional sampling event.

The primary concern at this site is the potential impact to the underlying sand aquifer. This could be investigated with a piezometer located next to MW-6. Conversely, temporary well(s) could be installed along the southern, eastern, and western property boundary. The temporary well(s) should be screened in the underlying sand aquifer (about 25 ft below grade). A ground water sample should be collected from the temporary well(s) and the temporary well(s) abandoned immediately. The water sample should be analyzed for PVOC+Naphthalene.

The onsite water supply and the water supply at the adjacent property (33794) should be sampled to confirm the recent results.

A skid-steer may be needed to locate MW-5.

CONCLUSIONS

The site is underlain by at least 15 - 20 feet of silty clay. A regional sand aquifer typically found about 25 feet below grade provides water supply for area residents (using sand points). Ground water flow is expected to be in a southerly direction.

The Grace's Store site had its petroleum system removed in 1999.

Petroleum impacts to soil appear to be limited to the piping and pump island area. There were no Direct Contact impacts measured. We recommend No Further Action with respect to investigating or remediating soil contamination.

Ground water samples collected from the monitoring wells (in 2019) indicate the ground water quality in the monitoring wells has improved.

The primary concern is whether the underlying sand aquifer has been impacted. Although the onsite well and adjacent property (33794) are clean based on recent samples, samples should be collected from depth along the south, east, and west property boundaries to confirm the ground water quality of the sand aquifer. This can be accomplished with temporary well(s) installed 20 - 25 feet below grade into the underlying sand aquifer. A ground water sample should be collected from each well and analyzed for PVOC+Naphthalene. The temporary well(s) should be immediately abandoned.

Ground water samples should be collected from the monitoring wells and private wells (site, 33794) to confirm the recent sampling results.

A Change Order/Work Plan will be submitted in separate correspondence.

Sincerely, MERIDIAN ENVIRONMENTAL CONSULTING, LLC

Kenneth Shimko, PG

Renneth Shimko, PC Project Manager

C: Gary Gilbert – Project Engineer

TABLES

Table 1: Soil Analytical Results Grace's Store (former) Shennington, WI Meridian No. 05F756

Sample	Depth	Saturated/ Unsaturated	PID	1,2,4-TMB	1,3,5-TMB	Total TMBs	Benzene	Ethylbenzene	m&p-Xylene	o-Xylene	Total Xylenes	мтве	Naphthalene	Toluene	GRO	DRO
Units	ft		iu	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
NTEDC				219	182	260	1.6	8.02	388	124	260	63.8	5.52	818		
Soil to GW	RCL					3.96	0.0051	1.57			3.96	0.027	0.6582	1,1072		
		and the second													No. of the second	
TSSA	Sampli	ng (Sen	tember	1999)							1					
S 1	0 cm	ing (ocp	Combol	1000)											<2.0	NIA
0-1	0.5		-	-	-	-	-	-	-	-	-	-	-	-	<2.9	NA NA
5-2	0.5		-	-	-			-		-			-	- 1	<3.5	NA
5-5	7		-	-		-	-	-		-	-	-	-	-	<3.5	NA
0-4 0 E	6		-	-	-	-	-	-	-	-	-	-	-	-	-3.4 NA	8400
5-5	6		-	-	-	-	-	-	-	-	-	-	-	-	NA	2400
5-0	0		-	-				-	-	-	-	-	-	-	INA -2.6	2400
5-7	3		-	-	-	-	-		-			-		-	<2.6	NA
5-0	3		-	-	-			-	-	-	-	-	-	-	<2.0	NA
5-9	3				-	-		-	-	-	-	-	-	-	<2.9	
Site In	vestiga	ation So	il Samp	oles												
March 8	8.9 2000	(Enviroge	n Soil Sa	mnles)										1		
MIN/ 1	13.5	Linnoge	1 001 04	inpica)		< 05	< 025	< 025			< 025	< 025	< 0066	< 025	<6.2	(6.2
M\A/_2	5				-	28.5	1.020	1.54			11	< 25	0.966	8	268	71
10100-2	13.5					< 05	< 025	< 025	-	-	< 025	< 025	2000.0	< 025	<6.6	<6.6
MIAL3	5					29	< 025	< 025			< 025	< 025	3 53	< 025	199	640
10100-5	11					< 05	< 025	< 025			< 025	< 025	< 0066	< 025	31	16
	17					< 05	< 025	0.032			0.054	< 025	< 0058	< 025	<5.8	<5.8
MIALA	6					< 05	< 025	0.069			0.034	< 025	< 0068	< 025	<6.8	<6.8
10100-4	12			-		< 05	< 025	< 025			< 025	< 025	< 007	< 025	<6.0	<6.9
MIA/ 5	65					< 05	< 025	< 025			< 025	< 025	< 007	< 025	<6.9	<6.9
IVIV-J	16					< 05	< 025	< 025			< 025	< 025	< 0081	< 025	<8.1	<8.1
MMAG	6					< 05	< 025	0.034			0.104	< 025	< 007	< 025	<6.0	<6.0
10100-0	12					< 05	< 025	< 025			< 025	< 025	< 007	< 025	<6.7	<6.7
TB-1	6				-	< 05	< 025	< 025			< 025	< 025	< 007	< 025	<6.9	<6.9
10-1	13.5		-	-	-	0.099	< 025	0.035	-		0.085	< 025	< 0068	< 025	<6.7	<6.7
TB_2	6					< 05	< 025	< 025	-		< 025	< 025	< 007	< 025	<6.9	<6.9
10-2	13.5					< 05	< 025	< 025			< 025	< 025	0.463	< 025	<6.8	<6.8
	15.5		-		-	~.00	~.025	025		-	<.025	~.025	0.405	N.025	~0.0	-0.0
								-								
June 26,	2019 Geo	oprobe Boi	rings													
1: 3-4	3-4	wet	0.2	<.025	<.025	<.05	<.025	<.025	<.05	<.025	<.075	<.025	<.04	<.025	-	-
1:8-9	8-9	moist	0.8	<.025	<.025	<.05	<.025	<.025	<.05	<.025	<.075	<.025	<.04	<.025	-	-
2: 3-4	3-4	wet	1	<.025	<.025	<.05	<.025	<.025	<.05	<.025	<.075	<.025	<.04	<.025	-	-
2:8 ft	8	moist	9.8	<.025	<.025	<.05	<.025	<.025	<.05	<.025	<.075	<.025	<.04	<.025	-	-
3: 3-4	3-4	wet	0.6	.0403J	<.025	<.05	<.025	<.025	<.05	<.025	<.075	<.025	<.04	<.025	-	
3: 5-6	5-6	moist	33	1.33	0.904	2.234	<.05	.0987J	0.37	<.05	0.37	<.05	<.0801	<.5	-	-
3: 8-10	8-10	moist	6.8	0.664	0.199	0.863	0.306	1.24	1.22	0.132	1.352	<.025	.176J	0.271	-	-
4: 3-4	3-4	wet	1.2	<.025	<.025	<.05	<.025	<.025	<.05	<.025	<.075	<.025	<.04	<.025	-	-
4: 7-8	7-8	moist	2.3	<.025	<.025	<.05	<.025	<.025	<.05	<.025	<.075	<.025	<.04	<.025		-
5: 3-4	3-4	wet	0.4	<.025	<.025	<.05	<.025	<.025	<.05	<.025	<.075	<.025	<.04	<.025	-	-
5: 7-8	7-8	moist	0.4	<.025	<.025	<.05	<.025	<.025	<.05	<.025	<.075	<.025	<.04	<.025	-	-
6: 3-4	3-4	wet	0.4	<.025	<.025	<.05	<.025	<.025	<.05	<.025	<.075	<.025	<.04	<.025		-
6: 7-8	7-8	moist	0.5	<.025	<.025	<.05	<.025	<.025	<.05	<.025	<.075	<.025	<.04	<.025	-	-
7: 3-4	3-4	wet	0.3	<.025	<.025	<.05	<.025	<.025	<.05	<.025	<.075	<.025	<.04	<.025	-	-
7: 7-8	7-8	moist	0.3	<.025	<.025	<.05	<.025	<.025	<.05	<.025	<.075	<.025	<.04	<.025	-	-
8: 3-4	3-4	wet	0.9	<.025	<.025	<.05	<.025	<.025	<.05	<.025	<.075	<.025	<.04	<.025	-	-
8: 7-8	7-8	moist	11.1	<.025	<.025	<.05	<.025	<.025	<.05	<.025	<.075	<.025	<.04	<.025	-	
9: 3-4	3-4	wet	1.1	<.025	<.025	<.05	<.025	<.025	<.05	<.025	<.075	<.025	<.04	<.025	-	-
9: 7-8	7-8	moist	0.8	<.025	<.025	<.05	<.025	<.025	<.05	<.025	<.075	<.025	<.04	<.025	-	-

Table 2: Ground Water Analytical Data Grace's Store (former) Shennington, Wisconsin Meridian No. 05F756

5 Concentration exceeds NR140 Enforcement Standard Data from 2000 - 2002 collected by Envirogen Data from 2009 & 2019 collected by Meridian

Well	1,2,4-TMB	1,3,5-TMB	Total TMBs	Benzene	Ethylbenzene	мтве	Naphthalene	m&p-xylene	o-xylene	Xylenes	Toluene	1,2-DCA	GRO	DRO	Dissolved Lead	Water Level (ft)
Units	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l				ft
NR140 Enforcement Stan	dard (ES)		480	5	700	60	100			2000	800					
NR140 Preventive Action	Limit (PAL)		96	0.5	140	12	10			400	160					
Store Well																
7/18/2009	<.4	<.44	<.44	<.31	<.5	<.3	<.8	<.62	<.77	<.77	<.37	-	-	-	-	-
3/14/2013	<.43	<.4	<.83	<.39	<.41	<.38	<.4	-	-	<1.3	<.42	-	-	•	-	-
6/26/2019	<.84	<.87	<1./1	<.25	<.22	<1.2	<1.2	<.4/	<.26	<./3	<.17		-	-		-
33794 (Tornga)																
8/1/2019	<.84	<.87	<1.71	<.26	<.22	<1.2	<1.2	<.47	<.26	<.73	<.17					
MW-1																
4/19/2000	-	-	<2	4.9	<.5	<.5	-	-	-	<.5	<.5	<.5	76	148	<5	89.88
8/21/2000			<10	98	<5	1.4	-		-	<5	<5	-	120		-	90.19
3/5/2001	-	-	<1	20	<.4	<.47	-			<1.4	0.55	-	<100	-	-	89.48
5/15/2001	-	-	0.97	88	0.57	0.59	-	-	-	1.6	0.72	-	140	-	-	92.6
8/16/2001		-	<.6	82	0.6	<.46		-		0.78	0.48		120			89.27
9/26/2002	-	-	<1.9	27	<.92	<.43	-	-	-	<2.5	<.68	-	-	-	<1	90.81
7/18/2009	0.74	<.44	0.74	7.33	4.21	1.77	<.8	<.62	<.77	<.77	1.28	-	-	-	-	-
6/26/2019	<.84	<.87	<1.71	<.25	<.22	<1.2	<1.2	<.47	<.26	<.73	<.17	-	-			
MW-2																
4/19/2000	-	-	<2	56	<.5	1.1	-	-	-	1.1	3.6	<.5	390	320	<5	89.25
10/27/2000		-	<10	31	<5	1.9		<u> </u>		<5	<5	1	130		-	89.25
3/5/2001		-	<1	20	0.42	1.1	-	-	-	<1.4	0.71	-	<150	-	-	89.14
5/15/2001		-	<1	42	0.6	1	-		-	1.3	0.94		180	-		92.16
11/12/2001			0.61	45	<.22	0.73			-	<.69	<.41	-	<100			89.87
9/26/2002	-	-	<1.9	2.3	<.82	<.43	-	-	-	<2.5	<.68	-		-	1.7	90.21
7/18/2009	<.4	<.44	<.44	5.61	<.5	<.3	<.8	<.62	<.77	<.77	<.37		-			
0/20/2015	1.04	4.07	\$1.71	2J	22	\$1.2	\$1.2	5.47	5.20	5.15	5.17					
MW-3	-													1000		00.00
4/19/2000			1.9	<.5	<.5	<.5				<.5	<.5	<.5	614	1200	<5	89.39
10/27/2000	-	-	<10	<.5	<5	<.5	-	-	-	<5	<5	-	216	-	-	89.2
3/5/2001	-	-	<1	<.39	<.4	<.47	-			<.69	0.94	-	280	-	-	89.13
8/16/2001			<.6	< 21	<.22	<.46				<1.4	0.62	-	<100		-	89.3
11/12/2001	-	-	<.6	<.21	<.22	<.46	-	-	-	<.69	0.63	-	250	-	-	89.63
9/26/2002		-	<1.9	<.45	<.82	<.43	-			<2.5	<.68	-	-	-	<1	90.81
6/26/2019	<.84	<.44	<1.71	<.25	<.22	<1.2	<1.2	<.02	<.26	<.73	<.17	-			-	
MW-4 4/19/2000			<2	< 5	< 5	< 5				< 5	< 5	< 5	<50	131	<5	89.69
8/21/2000	-		<10	<.5	<5	<.5	-	-	-	<5	<5	-	<50	-	-	89.84
10/27/2000	-		<10	<.5	<5	<.5	-	-		<5	<5	-	<50	-	-	89.27
5/15/2001			<1	<.39	<.4	< 46		-		0.75	<.41	-	<100	-		92
8/16/2001	-	· ·	<.6	<.21	<.22	<.46	-	-	-	<.69	<.41	-	<100	-	-	88.77
11/12/2001			<.6	<.21	<.22	<.46				0.8	<.41		<100	-		89.45
7/18/2009	could not lo	cate	\$1.5	~.45	5.02	~.45				~2.5	~.00					50.07
6/26/2019	<.84	<.87	<1.71	<.25	<.22	<1.2	<1.2	<.47	<.26	<.73	<.17	-	-	-	-	-
MW-5																
4/19/2000	-	-	<2	<.5	<.5	<.5	-	-	-	<.5	<.5	<.5	<50	120	<5	89.28
8/21/2000		-	<10	<.5	<5	<.5		-		<5	<5	-	<50	-	-	89.63
3/5/2001	-		<1	<.39	<.4	<.47	<u> </u>			<1.4	<.37	-	<100	-	-	89.04
5/15/2001	-	-	<.6	<.21	<.22	<.46	-		-	0.75	<.41	-	<100	-	-	92.17
8/16/2001	-		<.6	<.21	<.22	<.46		· · · · · · · · · · · · · · · · · · ·		0.8	<.41	-	<100	-	-	88.8
9/26/2002	2 -		<1.9	<.45	<.82	<.43		-	-	<2.5	<.68	-	-	-	<1	90
*7/18/2009	<.4	<.44	<.44	<.31	<.5	<.3	<.8	<.62	<.77	-	<.37			-		
-6/26/2019	uncertain	IT MW-5 OF I	WW-6 was loc	ated ?						+						
MW-6																
4/19/2000	-	-	<2	<.5	<.5	<.5	-	-		<.5	<.5	<.5	76	148	<5	89.2
10/27/2000	5 -	-	<10	<.5	<5	<.5		+		<5	<5		72	-	1	88.97
3/5/2001	-	-	<1	<.39	<.4	<.47	-	-	-	<1.4	0.55	-	<100	-	-	88.77
5/15/2001	-	-	<.6	<.21	<.22	<.46			-	1.6	0.72		140			92.17
11/12/2001	-		<.6	<.21	<.22	<.46		<u>† :</u>	-	<.69	<.41	-	140	-	-	89.08
9/26/2002	2 -	-	<1.9	<.45	<.82	<.43	-	-	-	<2.5	<.68	-	-	-	<1	89.75
*7/18/2009	uncertain	if MW-5 or I	MW-6 was loc	ated ?	())	1010	12	C 47	1 20	\$ 73	E 17			_		
0/20/2015	~.04	~.01	51./1	4.20	×.22	\$1.2	\$1.2	\$.41	~.20	\$.13	5.17					-
TMW-1																
9/26/2002	- Could pet	- Incrato	<1.4	<.25	<.53	<.87		· · ·		<1.8	<.84	<.55				
0/20/2019	- oould not					+				+						

* Well identified as MW-5 in 2009 may be same well identified as MW-6 in 2019.

Table 3: Ground Water Levels

Grace's Store (former) Shennington, WI Meridian No. 05F756

MW-1			MW-2			MW-3		
Surface Elevation		100.25	Surface Elevation		100.5	Surface Elevation		101
Top of Casing		100	Top of Casing		100.29	Top of Casing		100.74
Top of Screen		98	Top of Screen		93	Top of Screen		95
Bottom of Screen		83	Bottom of Screen		83	Bottom of Screen		85
Measurement Date	DTW	GW Elev.	Measurement Date	DTW	GW Elev.	Measurement Date	DTW	GW Elev.
6/26/2019	5.41	94.59	6/26/2019	5.31	94.98	6/26/2019	5.29	95.45
							-	

MW-4			MW-5*			MW-6*		
Surface Elevation		101	Surface Elevation			Surface Elevation		101.25
Top of Casing		100.7	Top of Casing			Top of Casing		101.06
Top of Screen		95.5	Top of Screen			Top of Screen		96
Bottom of Screen		85.5	Bottom of Screen			Bottom of Screen		86
Measurement Date	DTW	GW Elev.	Measurement Date	DTW	GW Elev.	Measurement Date	DTW	GW Elev.
6/26/2019	6.35	94.35	6/26/2019	Could n	ot locate	6/26/2019	6.69	94.37

Ground Water Elevation determined by Meridian using June 26, 2019 survey and measurements. All wells were cut down due to frostheaving. Envirogen's water levels listed in Ground Water Analytical Table. Elevations should be treated as separate data sets

* Uncertain if well sampled June 2019 is MW-5 or MW-6. Assumed MW-6.

Table 4: Natural Attenuation Field Measurements

Grace's Store (former) Shennington, WI Meridian No. 05F756

Well	Date	DO	pH	Temp	K	ORP
		mg/l		0°C	uS	
MW-1	6/26/2019	4	7.83	13.4	738	-137
MW-2	6/26/2019	2	6.98	13.2	934	-143
MW-3	6/26/2019	4	7.13	12.8	1458	-127
MW-4	6/26/2019	4	7.24	14	1487	-163
MW-6*	6/26/2019	2	7.37	13.8	1743	-126

* Uncertain if well sampled June 2019 is MW-5 or MW-6. Assumed MW-6.

FIGURES















APPENDIX A

Soil Boring Logs Monitoring Well Forms

SOIL BORING LOG INFORMATION Form 4400-122

Rev. 7-98



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

Well / Drillhole / Borehole Filling & Sealing Report Page 1 of 2

Form 3300-005 (R 4/2015)

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68-1

		Route to DNR Bureau:	;	
	Verification Only of Fill and Seal	Drinking Water	Watershed/Wastewater Remediation/Redevelopme	ent
		Waste Managemer	ent Other:	
	1 Well Location Information		2 Essility / Owner Information	(en ante
	County WI Unique Well # of	Hican #	Z. Facility Name	
A	Removed Well		Garrie Store (formage	
N	lennee		GIRCES FICIL (101104	1
	Latitude / Longitude (see instructions) Forma	t Code Method Code	- Facility ID (FID of PWS)	
	N	DD GPS008		
		SCR002	License/Permit/Monitoring #	
	W	DDM OTHO01		
	1/4 / 1/4 Section To	wnship Range E	Original Well Owner	
	or Gov't Lot #			
8	Well Street Address		Present Well Owner	
	37768 1144 71			
3	JJ Vall City Village of Town	Mall ZID Cada	Mailing Address of Present Owner	
	Well City, Village of Town		33768 Hury. ZI	
	Shennington		City of Present Owner State ZIP Code	
	Subdivision Name	Lot #	A much preclas INT	
			Cault Vergres Vers	and the second
	Reason for Removal from Service WI Unique We	ell # of Replacement Well	4. Pump, Liner, Screen, Casing & Sealing Waterial	
	Say poring			N/A
	3. Filled & Sealed Well / Drillhole / Borehole	e Information		N/A
	Original Construct	ion Date (mm/dd/yyyy)	Liner(s) perforated?	N/A
		26-19	Screen removed?	N/A
	Water Well		_ Casing left in place? Yes No	V/A
	Borehole / Drillhole	tion Report is available,	Was casing cut off below surface?	N/A
	Construction Type:		Did sealing material rise to surface?	N/A
			Did material settle after 24 hours?	V/A
	Drilled Driven (Sandpoint)	Dug	If yes was hole retonned?	
	Other (specify):	58	If bentonite chips were used were they bydrated	
	Formation Type:		with water from a known safe source?	N/A
	Unconsolidated Formation	rock	Required Method of Placing Sealing Material	
	Total Woll Dopth From Ground Surface (ft) Casing	Diameter (in)	Conductor Pipe-Gravity Conductor Pipe-Pumped	
	Total Weil Deptit From Ground Surface (it.) Casing	Diameter (m.)	Screened & Poured Cther (Evening)	
	*		(Bentonite Chips)	_
	Lower Drillhole Diameter (in.) Casing	Depth (ft.)	Sealing Materials	
	2		Neat Cement Grout Concrete	
			Sand-Cement (Concrete) Grout Bentonite Chips	
	Was well annular space grouted? Yes	No Unknown	For Monitoring Wells and Monitoring Well Boreholes Only:	
	If yes to what depth (feet)? Depth to Wa	ter (feet)		
			Granular Bentonite Bentonite - Sand Slurry	
	5. Material Used to Fill Well / Drillhole		From (ft.) To (ft.) No. Yards, Sacks Sealant or Mix Ratio or Mix Ratio	
1	O A MANUELA	a dante	Surface 10	REFERENCE
	glaringan Be	enteres s		
	-			
1				
	b. Comments	A STATE OF A		

7. Supervision of Work			DNR	Use Only
Name of Person or Firm Doing Filling & Sealing	License #	Date of Filling & Sealing or Verification (mm/dd/yyyy) 6/z6/19	Date Received	Noted By
Street or Route	1	Telephone Number	Comments	
city Memill s	iate ZIP Cod	de Signature of Person Doing V 4452	Vork	Date Signed

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



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.

GP-Z

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

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Well / Drillhole / Borehole Filling & Sealing Report

Page 1 of 2

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.

			Route to	DNR Bureau:						
	Verification Only of F	ill and Seal	Drir	nking Water		Watershed	Wastewater	Rem	ediation/Redeve	elopment
			Wa	ste Manageme	nt	Other:				
	1. Well Location Information	on			2 Facilit	v / Owner h	nformation			
	County WI U	nique Well # of	Hicap #		Facility Na	me		01	C	And the second s
11	Remo	oved Well				Grad	ce's .	Store	(for	ner
100	ennee				Facility ID	(FID or PWS)				
	Latitude / Longitude (see instruct	lons) [Form	at Code							
		N L		SCR002	License/Pe	rmit/Monitorir	ng #			
		w []DDM	OTHO01						
-	1/4/1/4 1/4	Section To	wnship R	ange TE	Original We	ell Owner	sing contrine ang cor	an de la calendaria de la		
	or Gov't Lot #	-	N							
1	Well Street Address				Present We	ell Owner	and the second	**************************************		
	33768 H	Ner. 71								
1	Well City, Village or Town	0.01	Well ZIF	^o Code	Mailing Add	lress of Prese	ent Owner	~ 1		
	Shennington					3376	8 HI	sey. 21		
-	Subdivision Name		Lot #		City of Pres	ent Owner	1	State	ZIP Code	
					Can	up Vou	49/45	WI		
F	Reason for Removal from Service	WI Unique W	ell # of Repla	cement Well	4. Pump,	Liner, Scre	en, Casing	& Sealing Ma	iterial	
	sail boring				Pump an	d piping remo	oved?		Yes No	N/A
	3. Filled & Sealed Well / Dri	llhole / Borehol	e Informati	ion	Liner(s) r	emoved?			Yes No	N/A
	Monitoring Well	Original Construct	ion Date (mr	n/dd/yyyy)	Liner(s) p	perforated?			Yes No	N/A
		6-1	26-19	2	Screen re	emoved?		L	Yes No	N/A
		If a Well Construc	tion Report i	s available.	Casing le	eft in place?		L	Yes No	N/A
	Borehole / Drillhole	please attach.			Was casi	ng cut off belo	ow surface?]Yes []No	N/A
C	Construction Type:				Did sealir	ng material ris	se to surface?	Ľ	Yes No	N/A
	Drilled Driven (Sandpoint)	Dug		Did mate	rial settle afte	r 24 hours?]Yes 🗌 No	N/A
	Other (specify):	DEDANO	Se		If yes	, was hole ret	topped?]Yes 🗌 No	N/A
F	ormation Type:	(<u> </u>	and the second s		If bentoni with wate	te chips were r from a know	used, were the	ey hydrated	Yes No	
	Unconsolidated Formation	Bedr	ock		Required M	ethod of Placi	no Sealino Ma	terial		
T	otal Well Depth From Ground Su	rface (ft.) Casing	Diameter (in)	Condu	ictor Pipe-Gra	avity Cond	ductor Pipe-Pun	nped	
			Diamotor (m	.,		ned & Poured		r (Evolain):		
-			Dentil (ft)		(Bento	nite Chips)				
L	ower Drillhole Diameter (In.)	Casing	Depth (n.)	2	Sealing Mat	erials				
1.000						ement Grout			3	
M	as well appular space grouted?	[] Yes			Sand-0	Cement (Cond	crete) Grout		e Chips	
-16					For Monitori	ng Wells and	Monitoring We	ll Boreholes On	ly:	
IT	yes, to what depth (feet)?		er (teet)		Bentor	nite Chips		Bentonite - Cen	nent Grout	
-				ļ	Granul	ar Bentonite		Bentonite - San	d Slurry	
5	. Material Used to Fill Well	/ Drillhole			From (ft.)	To (ft.)	No. Yards, S	acks Sealant or (circle one)	Mix Ratio	or abt
1.03	QAANNY	an ha	stor	Te	Surface	10	Polentie	(enderence)	PARTY CONTRACTOR	AUIT
-										
6	Comments				-84					

7. Supervision of Work			DNR Use Only	
Name of Person or Firm Doing Filling & Sealing	License #	Date of Filling & Sealing or Verification (mm/dd/yyyy) 6/26/19	Date Received Noted By	
Street or Route		Telephone Number ()	Comments	10
^{City} Memill st	ate ZIP Code	452 Signature of Person Doing W	Vork Date Signed	4

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

Grac(es S oring Drilled By: Name of c First Name: Qerty Las Firm: Gerss A Unique Well No. DNI ocal Grid Origin □ (estimate tate Plane 1/4 of 1/4 of Secti acility ID Sample (II) 9dAL put 9dAL	Source (for trew chief (first, last) st Name: + Keit R Well ID No. Wel ed: D) or Boring I N. ion T N County Mours Soil/Rock De And Geologic Each Majo	and Firm and Firm and Firm Location E N, R E escription Origin For or Unit J Clau 3 PL	Date m m Final Lo: County C	Drilling , 26 d d Static ng Code S S S D	g Starte $/\frac{2}{y}\frac{0}{y}$ Water I Feet M 0, 0, Civil Civil	Well	Date D mm Surface	Conductors in the second secon	Comp ZØI y y ation Feet N Coation Content	VISL N S VISL	Lasticity Index	G Mett	Anod Amode Amo
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and Type Length Att. & Recovered (in) Blow Counts	Soil/Rock De And Geologie Each Majo Form Silt Wet r	escription Origin For or Unit 	4	USCS	Graphic Log	Well Diagram	PID/FID	Compressive Strength	Content	Limit	Plasticity Index	P 200	RQD/ Comments
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							ž						

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

Well / Drillhole / Borehole Filling & Sealing Report Page 1 of 2

Form 3300-005 (R 4/2015)

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		Route to DNR Bureau	:			
	Verification Only of Fill and Seal	Drinking Water		Watershed/Wast	ewater	Remediation/Redevelopment
		Waste Manageme	ent 🔽	Other:		
	1 Well Location Information		2 Eacilit	y / Owner Inform	nation	
	County W/I Unique Well # of	Hican #	Facility Na	me	Induon	
A	Removed Well		I donty Na	Ganad	, Star	r (fannaga
N	ennol			Grace.	1 2101	- (IDIMA)
-	Latitude / Longitude (see instructions)	Code Method Code	Facility ID	(FID or PWS)		
		D GPS008				
	N	SCR002	License/Pe	ermit/Monitoring #		
	w					
	1/4/1/4 V/4 Section Town	nship Range T F	Original W	ell Owner	Alexandra and a second s	
	or Gov't Lot #		-			
			Present W	ell Owner	energies energies de la secondada de la second	
	Well Street Address		I TOSCILL VV			
	33768 Hvy. 21					
	Well City, Village or Town	Well ZIP Code	Mailing Ad	dress of Present Ov	vner	71
	Shenniverton			35+68	Huy. 2	<u>-</u>
2	Subdivision Name	Lot #	City of Pres	sent Owner	SI	tate ZIP Code
			Car	up Dougl	45 0	UT
	Reason for Removal from Service WI I Inique Well	# of Replacement Well	4. Pump,	Liner, Screen,	Casing & Sealin	g Material
	and horize	# of replacement wen	Pump ar	nd piping removed?		Yes No N/A
	2 Filled & Secled Mall Drilling / Developed		Liner(s)	removed?		TYes TNO TN/A
	5. Filled & Sealed, Well / Drillhole / Borenole		Liner(s)	perforated?		
	Monitoring Well	1 1 CB	Screen r	emoved?		
	Water Well 6-4	6-19	Casing l	off in place?		
	If a Well Construction	on Report is available,				
	Borehole / Drillhole please attach.		Was cas	ing cut off below su	irface?	Yes No N/A
	Construction Type:		Did seali	ng material rise to s	surface?	Yes No N/A
	Prilled Driven (Sandpoint)	Dug	Did mate	erial settle after 24 h	ours?	Yes No N/A
	Dathar (analist) Caroon	30	If yes	s, was hole retoppe	d?	TYes TNO TN/A
÷	Other (specify).		If benton	ite chips were used	, were they hydrate	
	Formation Type:		with wate	er from a known saf	e source?	Yes No MA
	Unconsolidated Formation Bedroo	sk	Required N	lethod of Placing Se	ealing Material	
7	Total Well Depth From Ground Surface (ft.) Casing D	iameter (in.)	Cond	uctor Pipe-Gravity	Conductor Pipe	e-Pumped
	······································		Scree	ned & Poured	Other (Evaluin)	<u>.</u>
-			Bento (Bento	onite Chips))
	Lower Drillhole Diameter (in.)	epth (ft.)	Sealing Ma	terials		
			Neat Neat	Cement Grout	Co	Increte
-			Sand-	Cement (Concrete)) Grout Be	ntonite Chips
1	Nas well annular space grouted? Yes	No Unknown	For Monitor	ing Wells and Moni	itoring Well Boreholi	es Oply:
ī	f ves. to what depth (feet)? Depth to Water	(feet)	Barto	nite Chine	Bentonito	Compat Grout
		(The Onps		- Cement Grout
-			Granu	llar Bentonite	Bentonite	- Sand Slurry
	5. Material Used to Fill Well / Drillhole		From (ft.)	To (ft.) No.	Yards, Sacks Seal	ant or Mix Ratio or
4	O A a lat Van La	last-	Surface	10	(0)10(==0)1(5	
-	grannan bei	worth	Surface	in		
10			SPACE AND			
1	n comments					The second s

7. Supervision of Work				DNF	₹ Use Only	in and
Name of Person or Firm Doing Filling & Sealing	License #	Date of Filling	& Sealing or Verificat	tion Date Received	Noted By	-
Genss		(mm/dd/yyyy)	6/26/19			
Street or Route		Telep	hone Number	Comments		
		()			
City AI II St	ate ZIP Code	Sig	nature of Person Doj	ng Work	Date Signed	1
Memil	WI 54	152	OHL.		14/22/	19
			T			

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



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 Wis., Dept. of Natural Resources

dnr.wi.gov

Well / Drillhole / Borehole Filling & Sealing Report

Form 3300-005 (R 4/2015) Page 1 of 2

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.

GP-4

	<u> </u>			a:	
	Verification Only of F	ill and Seal		Watershed/Wastewater Remediation/Re	development
		NATION AND PROVIDE A REPORT OF A DESCRIPTION	Waste Manage	ient Other:	
	1. Well Location Informati	ion		2. Facility / Owner Information	
	Rem	noved Well	Hicap #	Facility Name	
N	enrol			Graces Store (79	rmer
	Latitude / Longitude (see instruc	tions) Form	at Code Method Cod	Facility ID (FID or PWS)	
		N			
				License/Permit/Monitoring #	
	1/ / 1/				
		Section 10	winship Range	Original Well Owner	
	or Gov't Lot #		N		
	Well Street Address			Present Well Owner	
-	33768 H	Ny. 21		Mailing Address of Descent Overse	
	Well City, Village or Town	U	Well ZIP Code	777/ What Hugen 71	
	Shennington	<i>.</i>		33768 11119.21	·
	Subdivision Name		Lot #	City of Present Owner State ZIP Cod	le
-				A Purper Land Samon Casing & Souling Material	an an an Albert Store March 1980 an a di
	Reason for Removal from Servic	e WI Unique We	ell # of Replacement We	Pump and piping removed?	
P	SCH BOFINT			Liner(s) removed?	
	3. Filled & Sealed Well / Dr	Illhole / Borehole	e Information	Liner(s) perforated?	
	Monitoring Well	Original Construct		Screen removed?	
	Water Well	0-4	20-17	Casing left in place?	
	Borebole / Drillholo	If a Well Construc	tion Report is available,		
-		please attach.	anna an	Vivas casing cut off below surface?	No N/A
				Did sealing material rise to sufface ?	
	Drilled Driven	(Sandpoint)	Dug	If yes was hele reterined?	NO LIN/A
_	Other (specify):	oeppro	58	If bentonite chips were used were they bydrated	NO UNA
F	Formation Type:			with water from a known safe source?	No 🖤 N/A
	Unconsolidated Formation	Bedr	ock	Required Method of Placing Sealing Material	
Т	otal Well Depth From Ground Si	urface (ft.) Casing	Diameter (in.)	Conductor Pipe-Gravity Conductor Pipe-Pumped	
				Screened & Poured Other (Explain):	
T	ower Drillhole Diameter (in)	Casing	Depth (ft.)	Sealing Materials	
		out ing		Neat Cement Grout	
-	1999 (1999) (199				
V	Vas well annular space grouted?	Yes	No Unknow		
If	ves to what depth (feet)?	Depth to Wat	pr (feet)	For Monitoring Weins and Monitoring Wein Boreholes Only:	
<."	yee, to what depart (reet)?			Bentonite Chips Bentonite - Cement Grout	
THE				Granular Bentonite Bentonite - Sand Slurry	
5	. Material Used to Fill Well	/ Drillhole		From (ft.) To (ft.) No. Yards, Sacks Sealant or Mix F	Ratio or Weight
	grannt	an be	ntente	Surface 10	
	· · · · · · · · · · · · · · · · · · ·				
6	. Comments				

7. Supervision of Work				DNR U	se Only
Name of Person or Firm Doing Filling & Sealing	License #	Date of Fi	lling & Sealing or Verification	Date Received	Noted By
Geiss		(mm/dd/yy	(yy) 6/26/19		
Street or Route		Te	elephone Number	Comments	
		()		
City 11 S	tate ZIP Code		Signature of Person Doing V	Vork	Date Signer
Memil	WI 54	452	att.		7/22/19

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

LLC

Ci Hg

Route To: Watershed/Wastewater Waste	e Manag	ement									
	ner L	J						Page	1	of	l
Facility/Project Name	Licen	se/Peri	nit/Mo	nitorir	g Nun	nber	Boring	g Num	ber (30.	-5
Boring Drilled By: Name of crew chief (first, last) and Firm	Date I	Drilling	g Starte	d	Date I	Drilling	; Comp	oleted	Drillin	g Mei	hod
Firm: GEISS		$\frac{20}{d}$	1 <u>20</u> y y	<u>y</u> <u>y</u>	m m		ZO y y	y y	60	20p	nobe
WI Unique Well No. DNR Well ID No. Well Name	Final .	Static	Water I Feet N	Level ISL	Surfac	e Elev	ation _Feet 1	MSL	Boreh	ole Dia	ameter nches
Local Grid Origin (estimated:) or Boring Location State Plane N, E	L	.at	0 1	"	Local	Grid L	ocatio:	n N			DE
1/4 of 1/4 of Section , T N, R Facility ID County C	Lor County C	ode	Civil	 Town/	City/ o	F TVilla	eet 🗖	S	1	Feet	
Sample Mouroe					5	her	Soil	Ng	ties	n	<u> </u>
de (i) se soil/Rock Description						ve					8
And Geologic Origin For a C Each Major Unit E E E E E E E E E E E E E E E E E E E		SCS	aphic g	/ell iagram	D/FID	mpressi rength	oisture	iquid	asticity idex	200	QD/ mment
		<u> </u>	হ হ	ΔĞ	Id	පිදු	ΣŬ	23	P n	4	<u>ਛੋਹ</u>
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					24		me	,5t	-		
V								ā.			
brain lean cla	4										
s- meist.											
			-		24						
					•3						
	_						¥				
E03=10+	24									-	
					_						
I hereby certify that the information on this form is true and corre	ct to th	e best	of my	/ knov	vledge			_]		

Signature Firm Eno-Mante

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.

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Well / Drillhole / Borehole Filling & Sealing Report Page 1 of 2

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.

			Route to DNR Bureau				
	Verification Only of	f Fill and Seal	Drinking Water		Watershed/Wastewater	Remediation/F	<pre></pre>
			Waste Manageme	ent	Other:	~	
	1. Well Location Inform	ation		2. Facility	/ Owner Information		
	County	I Unique Well # of emoved Well	Hicap #	Facility Nam	Carl C	Lan (I	0.014.00
N	enrol			Facility ID /F	Oraces -	For (T	www
	Latitude / Longitude (see inst	ructions) Form	at Code Method Code		ID of PVVS)		
		N		License/Perr	mit/Monitoring #	a and a second	
		w		LICENSE/FEIT	momormoning #		
	1/4 / 1/4 1/4	Section To	ownship Range E	Original Well	Owner		
	or Gov't Lot #		N W	D	0	Na sa mana kata kata na sa	
	Well Street Address	1 1		Present Well	Owner		
	33768	Hvier. 21		Mailing Adds	and of Bradant Ourpar		
	Well City, Village or Town		Well ZIP Code		33768 Hu	ey. 21	
a	Subdivision Name		Lot #	City of Prese	nt Owner	State ZIP C	ode
	Cubdivision Name			Can	10 Douglas	WI	
1	Reason for Removal from Ser	vice WI Unique W	ell # of Replacement Well	4. Pump, L	iner, Screen, Casing &	Sealing Material	
	sail borin.	7		Pump and	piping removed?	Yes	No N/A
	3. Filled & Sealed Well /	Drillhole / Borehol	e Information	Liner(s) re	moved?	Yes [No N/A
		Original Construc	tion Date (mm/dd/yyyy)	Liner(s) pe	erforated?	Yes _	No N/A
		6-1	26-19	Screen rer	moved?	Yes L	No N/A
	Valer Weil	If a Well Constru	ction Report is available,		In place?	Yes _	
_	Borehole / Drillhole	please attach.		Was casin	g cut off below surface?	Yes]No []N/A
(Construction Type:			Did sealing	g material rise to surface?	Yes _	No N/A
	Drilled	en (Sandpoint)	Dug	Did materia	al settle after 24 hours?	Yes L	
	Other (specify):	Coepping	se	If yes,	was note retopped?		
F	ormation Type:			with water	from a known safe source?	Yes]No 🗗 N/A
	Unconsolidated Formatio	n 🗌 Bed	rock	Required Met	hod of Placing Sealing Mater	rial	
1	Total Well Depth From Ground	Surface (ft.) Casing	Diameter (in.)	Conduc	tor Pipe-Gravity 🗌 Condu	ctor Pipe-Pumped	
				Screene (Benton	ed & Poured Other (Explain):	× 1
ī	ower Drillhole Diameter (in.)	Casing	Depth (ft.)	Sealing Mater	rials		
				Neat Ce	ement Grout	Concrete	~
-				Sand-C	ement (Concrete) Grout	Bentonite Chips	
V	Vas well annular space grouted	d? Yes	No Unknown	For Monitorin	g Wells and Monitoring Well	Boreholes Only:	
1	f yes, to what depth (feet)?	Depth to Wa	ter (feet)	Bentonit	te Chips Be	entonite - Cement Grou	ut
				Granula	r Bentonite	entonite - Sand Slurry	
	i. Material Used to Fill W	ell / Drillhole		From (ft.)	To (ft.) No. Yards, Sac	ks Sealant or Mi	x Ratio or
	QAANM	lan be	entente	Surface	Colemne (C	15.21. R. LALL PRIMARY PROPERTY IN	
	÷						
G	. Comments						

7. Supervision of Work				DN	R Use Only	
Name of Person or Firm Doing Filling & Sealing	License #	Date of Fi	lling & Sealing or Verificat	ion Date Received	Noted By	2
Geiss		(mm/dd/y	yyy) 6/26/19			
Street or Route		T	elephone Number	Comments		1
		()			1
City 11 -11 s	State ZIP Code		Signature of Person Doj	ng Work	Date Signed	
Memill	WI 54	152	OHL.		1/22/19	ľ
			17			

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



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

Well / Drillhole / Borehole Filling & Sealing Report Form 3300-005 (R 4/2015)

Page 1 of 2

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.

			Route to DN	IR Bureau:					,	
	Verification Only of	of Fill and Seal	Drinkin	g Water] Watershed/Wastew	/ater	Remediation	/Redevel	opment
			Waste	Managemer	nt 🔽	Other:				
	1. Well Location Inform	nation			2. Facility	/ Owner Informa	ition			
	County	WI Unique Well # of	Hicap #		Facility Nar	ne ,	01	ſ.		1
1	1	Removed Well				Graces	Stan	て (f	forn	ner
10	enner		-		Facility ID (FID or PWS)	to to conversion a second second			
	Latitude / Longitude (see ins	structions) Form	at Code Meth	CPS008						
		N L	ᄓᇛᆝᆸ	SCR002	License/Per	rmit/Monitoring #	and the second se			et anno saobhan
		w		OTH001						
	1/4/1/4 1/4	Section T	ownship Rang	je 🗍 F	Original We	ll Owner			··· · · · · · · · · · · · · · · · · ·	
	or Gov't Lot #		N							
	Well Street Address				Present We	ll Owner				
	37768	Hver. 71								
	Well City, Village or Town	di gi = 1	Well ZIP Co	ode	Mailing Add	ress of Present Own	er , ,	>1		
	Shenniveste	202				33768	Huy.	21		
	Subdivision Name		Lot #		City of Pres	ent Owner	9	state ZIP	Code	
					Can	10 Voug 14	S 10	es l		
	Reason for Removal from Se	ervice WI Unique W	ell # of Replacer	nent Well	4. Pump,	Liner, Screen, Ca	ising & Sealir	ig Material		
	Sol borin	7 -			Pump an	d piping removed?		Yes	No	N/A
	3. Filled & Sealed Well	Drillhole / Boreho	le Information		Liner(s) r	emoved?		Yes		
	Monitoring Well	Original Construc	tion Date (mm/de	d/yyyy)	Liner(s) p	errorated?		Yes		
		6-	26-19		Casing lo	ft in place?				
	Vvaler vven	If a Well Constru	ction Report is a	vailable,						
	Borehole / Drillhole	please attach.	22494-11-11-11-10-00-00-00-00-00-00-00-00-00-		Was casi	ng cut off below surfa	ice?	Yes	No	N/A
	Construction Type:				Did sealir	ng material rise to sur	face?	Yes	No	
	Drilled	iven (Sandpoint)	Dug		Did mater	rial settle after 24 not	irs?	Yes		
	Other (specify):	Coepping	15e		If bontoni	, was note recopped?	vere they bydrat	ed Yes	No	N/A
	Formation Type:				with wate	r from a known safe	source?	Yes	No	N/A
	Unconsolidated Formati	ion Bec	rock		Required Me	ethod of Placing Seal	ing Material			
5	Total Well Depth From Grour	nd Surface (ft.) Casing	Diameter (in.)		Condu	ctor Pipe-Gravity	Conductor Pip	e-Pumped		
	n aparen un ner un se s					ned & Poured	Other (Explain	1):		
ī	ower Drillbole Diameter (in)	Casing	Depth (ft.)		Sealing Mate	erials				
					Neat C	ement Grout	Пс	oncrete		
-		<u> </u>				Cement (Concrete) (entonite Chins		
,	Was well annular space grout	ed? Yes	No No	Unknown	Ear Monitori	ng Wells and Monitor	ing Well Boreho	les Only:		
1	fives to what depth (feet)?	Depth to Wa	ter (feet)	ľ	Barton	hite Chins		- Cement Gr	out	
	· ·					ar Dentenite	Bentonite	Cond Clum		
	an a Shi ya a sha a shekara a shekara				Granul		ards Sacks Sea	- Sand Siurry	liv Patie	DT
and the second	5. Material Used to Fill V	Vell / Drillhole			From (ft.)	To (ft.)	olume (circle on	e) N	Mud Weig	ght
	gran	ulan be	entent	e l	Surface	10				
						·				
			-	-						
C	6. Comments							Strength Strength Color		

7. Supervision of Work			DNR Use Only
Name of Person or Firm Doing Filling & Sealing	License #	Date of Filling & Sealing or Verification	Date Received Noted By
Street or Route	<u> </u>	Telephone Number	Comments
City Memill St	ate ZIP Code	Signature of Person Doing W	Vork Date Signed

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

Route To: Watershed/Wastewater Was Remediation/Revelopment	ste Mana Other	gemen										
	-							Page	1	of	l	
Facility/Project Name. Gracle's Store (Former	Licer	nse/Per	rnit/Mc	onitorin	g Nun	nber	Borin	g Num	ber	61	2-7	
Boring Drilled By: Name of crew chief (first, last) and Firm First Name: Dern Last Name: + Keith	Date	Drillin		24 19		Drilling			Ted Drilling Method			
WI Unique Well No. DNR Well ID No. Well Name	Final	Final Static Water Level				Surface Elevation Feet MSL				ole Di	ameter	
Local Grid Origin (estimated:) or Boring Location State Plane N, E	= I	Lat 0 ' "			Local Grid Location				L			
1/4 of 1/4 of Section, T N, R	Lo	ng	0 '			F			*	Feet		
Facility ID County Monno e	County C	lode	Civil	Town/G	Sity/ o	her	nn	ng	to	n		
Sample 3							Soil	Prope	rties			
and L Dur and And Geologic Origin For For the state of th		USCS	Graphic Log	Well Diagram	PID/FID	Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments	
brown f. sand	and the second second second											
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					15		Ne.	0.01				
		· .										
e brown leand	ay											
most	5											
					=3							
						- 1						
					7						e.	
						Y	V					
- EOB = lof	PR.									3		
I hereby certify that the information on this form is true and corrected by the true and corrected by the second s	rect to th	ne best	ofmy	/ know	ledge	l						
Signature of A.	Firm	M	en	D	ah	E	Enc	2-	đ.	st	ty, LL	

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Well / Drillhole / Borehole Filling & Sealing Report Page 1 of 2

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.

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			Route	to DNR Bureau:							
	Verification Only o	f Fill and Seal		Prinking Water		Watershed/\	Nastewater	Ren	nediation/Rede	evelopment	
		in and ocar	1 TV	Vaste Manageme	nt						
	1. Well Location Inform	nation			2. Facility	y / Owner In	formation				
	County V	VI Unique Well # of	Hicap #		Facility Nar	ne	3	01	(
N	10000	Removed Well				Grac	es	Store	(for	mer	
10	annee .		_		Facility ID (FID or PWS)	and the second secon				
	Laulude / Longitude (see ins	tructions)	Tat Code								
		N		SCR002	License/Pe	rmit/Monitoring	g #				
		w [ОТНОО1							
	1/4/1/4 1/4	Section	ſownship	Range E	Original We	ell Owner					
	or Gov't Lot #		Ν	l 🗍 w				· · · ·			
	Well Street Address	l			Present We	ell Owner					
	33768	Hvy. 21									
	Well City, Village or Town	0	Well	ZIP Code	Mailing Add	Iress of Prese	nt Owner	71			
	Shenniverte	ser				33+6	8 H	My. 21			
	Subdivision Name		Lot #		City of Pres	ent Owner	.1	State	ZIP Code		
					Can	10 Vou	9145	105	-	COLORADO DANG CANADA	
	Reason for Removal from Se	rvice WI Unique V	Vell # of Re	placement Well	4. Pump,	Liner, Scre	en, Casing	& Sealing M	aterial		
	SON BORIN	1 _			Pump an	a piping remo	ved?	l		• I N/A	
and a second	3. Filled & Sealed Well /	Drillhole / Boreho	ole Inform	ation	Liner(s) r	entoved?		l			
	Monitoring Well	Original Constru	ction Date (mm/dd/yyyy)	Sereen r	penoraleu?		L			
	Water Well	6-	26-1	4	Casing le	off in place?		L			
×		If a Well Constr	uction Repo	rt is available,				L			
-	Borenoie / Drilinoie	please attach.			Was casing cut off below surface? Yes No N/A Did sealing material rise to surface? Yes No N/A						
1	Construction Type:										
	Drilled	ven (Sandpoint)	Dug		Did mate	rial settle after	24 nours?	L			
	Other (specify):	Leeph	758		If bentoni	te chins were	uppeu?	L L			
ī	Formation Type:	V			with wate	r from a know	n safe source	?	Yes No	0 🛛 N/A	
	Unconsolidated Formatio	on 🗍 Be	drock		Required M	ethod of Placir	ng Sealing M	aterial			
-	Total Well Depth From Groun	d Surface (ft.) Casir	g Diameter	(in.)	Condu	ictor Pipe-Gra	vity Cor	ductor Pipe-Pu	mped		
						ned & Poured	Oth	er (Explain):			
ī	ower Drillhole Diameter (in.)	Casir	a Depth (ft.)	Sealing Mat	erials					
	(,		5 p (4	Neat C	Cement Grout			ete		
-					Sand-(Cement (Conc	rete) Grout		ite Chins		
١	Nas well annular space groute	ed? Yes	No	Unknown	Eor Monitori	ng Wells and	Monitoring M		ne ompo		
1	f yes, to what depth (feet)?	Depth to W	ater (feet)		Bartor	hite Chine		Bentonite - Co	mont Grout		
	3 1 1 1 1 1 1								inent Grout		
					Granul	ar Bentonité	No Varde	Bentonite - Sa	na Siurry	atio or	
	5. Material Used to Fill W	Vell / Drillhole			From (ft.)	To (ft.)	Volume	e (circle one)	Mud V	Veight	
	grann	clan b.	ento.	rite	Surface	10					
	1										
	۱										
E	6. Comments		Sector Sector								

7. Supervision of Work					DN	R Use Only
Name of Person or Firm Doing Filling & Sealing	License #	Date of	Filling 8	Sealing or Verification	Date Received	Noted By
Genss		(mm/dd	′уууу)	6/26/19		
Street or Route			Telepho	one Number	Comments	
			()		
City 11 S	tate ZIP Code		Sign	ature of Person Doing	Work	Date Signed
Memill	WI 54	452		Ott.		17/22/19
				T		

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



Signature off f. Firm Mandrah Rhu- Ci Hg, LLC

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Well / Drillhole / Borehole Filling & Sealing Report Form 3300-005 (R 4/2015)

Page 1 of 2

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.

		o DNR Bureau:										
	Verification Only of Fill and Seal] Watershed/Waster	water	Remediation/	Redevelo	opment		
			W D	aste Managemei	nt 🔽	Other:						
	1. Well Location Informatio	'n			2. Facility	y / Owner Inform	ation					
	County WI Ur	nique Well # of	Hicap #		Facility Nar	me	CI	. (1		
1	Remo	ved Well				Graces	243	re (+	srn	rep		
10	annee				Facility ID (FID or PWS)						
	Latitude / Longitude (see instructi	ons) Forma	at Code									
					License/Pe	rmit/Monitoring #			terre a de contra			
	W DDM OTH001											
	1/4/1/4 1/4	Section To	wnship	Range E	Original We	ell Owner						
	or Gov't Lot # N W											
0	Well Street Address				Present We	ell Owner						
	33768 H	ny. 21										
	Well City, Village or Town	0	Well Z	IP Code	Mailing Add	iress of Present Owi	ner	71				
	Shennington					33768	Huy.	21				
	Subdivision Name		Lot #		City of Pres	sent Owner		State ZIP (Code			
					Camp Vouglas WI							
	Reason for Removal from Service	WI Unique We	ell # of Rep	lacement Well	4. Pump,	Liner, Screen, C	asing & Sean					
	SOH DOFINT				liner(s) r	emoved?						
	3. Filled & Sealed Well / Dril	Ihole / Borehol	e Informa	tion	Liner(s) r	perforated?				H N/A		
	Monitoring Well	Original Construct			Screen re	emoved?		TYes 1				
	Water Well	0-0	20-1	7	_ Casing left in place? ☐ Yes ☐ No ☐ N/A							
	L Parabala (Drillbala	If a Well Construc	tion Report	is available,	Was casi	ing out off below sur	face?					
-		please attach.			Did sealing material rise to surface?							
1	Construction Type.											
	Drilled Driven	Sandpoint)			If ves	was hole retopped	?			FIN/A		
-	Other (specify):	seopra	26		If bentoni	ite chips were used,	were they hydra	ated		T.		
I	Formation Type:				with wate	er from a known safe	source?	Yes [No [N/A		
	Unconsolidated Formation	Bedr	ock		Required M	ethod of Placing Sea	aling Material					
7	Total Well Depth From Ground Su	rface (ft.) Casing	Diameter (in.)	Condu	uctor Pipe-Gravity	Conductor P	ipe-Pumped				
					Bento	ned & Poured	Other (Expla	.in):				
ī	ower Drillhole Diameter (in.)	Casing	Depth (ft.)		Sealing Mat	erials						
					Neat C	Cement Grout		Concrete				
_					Sand-	Cement (Concrete)	Grout E	Bentonite Chips				
1	Was well annular space grouted?	Yes	No	Unknown	For Monitori	ing Wells and Monito	oring Well Boreh	oles Only:				
ī	f yes, to what depth (feet)?	Depth to Wat	er (feet)		Bentor	nite Chips	Bentoni	te - Cement Gro	out			
					Granu	lar Bentonite	Bentoni	ite - Sand Slurry	,			
	Motorial Lload to Till Wall	/ Drillbolo			Erom (ft)	To (ft) No.	Yards, Sacks Se	ealant or	/lix Ratio	or		
	b. Waterial Used to Fill Well.				Grand Charles		Volume (circle o	ne) N	/lud Weig	ht		
_	granul	an be	nton	JE	Surface	a						
-	E'				-							
P	Common contra									C. Barrey		
1.	J. OUTITICITS	a subscription of the second second		Chica and the product of the second	A set second to set a set			A CONTRACTOR OF	and the second se			

7. Supervision of Work				DNR	l Use Only
Name of Person or Firm Doing Filling & Sealing	License #	Date of Filling (mm/dd/yyyy)	& Sealing or Verification	Date Received	Noted By
Street or Route		Telept (one Number)	Comments	
City Memill s	tate ZIP Code	Signed Signed	nature of Person Doing V	Vork	Date Signed

State of Wisconsin Department of Natural Resources

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

Route To: Watershed/Wastewater	Waste Manag	gemen	1								
	_							Page	1	of	l
Facility/Project Name Gracle's Store (Forman	Licen	se/Per	mit/Mc	nitorin	g Nun	nber	Borin	g Num	ber	6	P-9
Boring Drilled By: Name of crew chief (first, last) and Firm First Name: Der M Last Name: + Keith	Date	Date Drilling Started Date D 6,26,2019				The Drilling Completed Drilling Method $6,26,2019$			nobe		
Firm: Old Solution WI Unique Well No. DNR Well ID No. Well Name	Final	Final Static Water Level Surfa				Surface Elevation Feet MSI			Boreh	ole Di	ameter
Local Grid Origin C (estimated:) or Boring Location	<u>_</u>	at	0	15L "	Local Grid Location				L	. 11	nches
1/4 of1/4 of Section, TN, R	Lo	ng	0 '			F		IN IS	□ E Feet□ W		
Facility ID County Mourse	County C	ounty Code Civil To			Town/City/ or Village Shennington						
Sample (a)							Soil	Prope	rties		
Lady The second		JSCS	raphic og	Vell Jiagram	ID/FID	ompressive trength	foisture	iquid	lasticity ndex	200	(QD/ omments
ZE JZ Z Z Z ZZ West side & to brown f. Sand Wr Z' S brown sitty a maist	andt asin) ? Clacy	Ω	- Gr	Di	H 1.1 0.8	S	we	£	Ph In	C d	20 20 20 20
I hereby certify that the information on this form is true and o	correct to th	ne bes	t of m	y knov	1.0 vledge	ð.	V				
Signature of A.	Firm	M	en	D:	ah	k	En	Da.	C.	is la	ty, LL

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

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Well / Drillhole / Borehole Filling & Sealing Report

Page 1 of 2

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.

Ī	Verification Only o	f Fill and Seal	Drinking Water	U: Watershed/Wastewater Remediation/Redevelopment							
1			Waste Managem	nent Other:							
]	1. Well Location Inform	ation		2. Facility / Owner Information							
	County V	VI Unique Well # of Removed Well	Hicap #	Facility Name							
M	ennop			Oraces store (tormer							
· `.	Latitude / Longitude (see ins	tructions) Forma	t Code Method Code	– Facility ID (FID or PWS)							
	anticological a francis of anticology (the second	N	DD GPS008								
		w	DDM OTH001	License/Permit/Monitoring #							
	1/4/1/4 1/4	Section To	wnship Range E	Original Well Owner							
	or Gov't Lot #		N OW	/							
Ī	Well Street Address	11 01		Present Well Owner							
	33768	Hvier. 21									
1	Well City, Village or Town		Well ZIP Code	33768 Hury. 21							
100	Subdivision Name		Lot #	City of Present Owner State ZIP Code							
				Canip Douglas WI							
F	Reason for Removal from Se	rvice WI Unique We	II # of Replacement Well	4. Pump, Liner, Screen, Casing & Sealing Material							
	Say poria	7		Pump and piping removed?							
	3. Filled & Sealed Well /	Drillhole / Borehole	Information	Liner(s) removed?							
	Monitoring Well	Original Constructi	on Date (mm/dd/yyyy)	Liner(s) perforated?							
		6-2	26-19	Screen removed?							
	Vvater Well	If a Well Construct	tion Report is available.								
	Borehole / Drillhole	please attach.	,	Was casing cut off below surface?							
C	Construction Type:	-		Did sealing material rise to surface?							
	Drilled Driv	/en (Sandpoint)	Dug	Did material settle after 24 hours?							
	Other (specify):	Coepana	Se	If yes, was hole retopped?							
F	Formation Type:	Ų,	-	with water from a known safe source?							
	Unconsolidated Formatio	on Bedro	ock	Required Method of Placing Sealing Material							
T	Total Well Depth From Groun	d Surface (ft.) Casing	Diameter (in.)	Conductor Pipe-Gravity Conductor Pipe-Pumped							
				Screened & Poured Other (Explain):							
L	ower Drillhole Diameter (in.)	Casing	Depth (ft.)	Sealing Materials							
	. ,			Neat Cement Grout Concrete							
	and a second		and a second	Sand-Cement (Concrete) Grout							
V	Vas well annular space groute	d? Yes	No Unknown	For Monitoring Wells and Monitoring Well Boreholes Only:							
lf	f yes, to what depth (feet)?	Depth to Wate	er (feet)	Bentonite Chips Bentonite - Cement Grout							
				Granular Bentonite							
5	. Material Used to Fill V	/ell / Drillhole		From (ft.) To (ft.) No. Yards, Sacks Sealant or Mix Ratio or							
194	O An HA	Nam ho	stante	Surface 10							
	Thank	JE DE	VIL BOLUS								
1	,										
G	Comments										

7. Supervision of Work				DNR U	Jse Only
Name of Person or Firm Doing Filling & Sealing	License #	Date of Filling	& Sealing or Verification	Date Received	Noted By
Genss		(mm/dd/yyyy)	6/26/14		
Street or Route		Teleph	none Number	Comments	
		()		
City MA -11 S	tate ZIP Code	Sig	nature of Person Doing \	Work	Date Signed
Memil	WI 54	152	UTL		17/2619

APPENDIX B

Laboratory Reports



July 16, 2019

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

RE: Project: GRACE'S STORE Pace Project No.: 40190526

Dear Kenneth Shimko:

Enclosed are the analytical results for sample(s) received by the laboratory on July 02, 2019. 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





CERTIFICATIONS

Project: GRACE'S STORE

Pace Project No.: 40190526

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



SAMPLE SUMMARY

Project: GRACE'S STORE

Pace Project No.: 40190526

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40190526001	1: 3-4	Solid	06/26/19 00:00	07/02/19 09:20
40190526002	1: 8-9	Solid	06/26/19 00:00	07/02/19 09:20
40190526003	2: 3-4	Solid	06/26/19 00:00	07/02/19 09:20
40190526004	2: 8 FT.	Solid	06/26/19 00:00	07/02/19 09:20
40190526005	3: 3-4	Solid	06/26/19 00:00	07/02/19 09:20
40190526006	3: 5-6	Solid	06/26/19 00:00	07/02/19 09:20
40190526007	3: 8-10	Solid	06/26/19 00:00	07/02/19 09:20
40190526008	4: 3-4	Solid	06/26/19 00:00	07/02/19 09:20
40190526009	4: 7-8	Solid	06/26/19 00:00	07/02/19 09:20
40190526010	5: 3-4	Solid	06/26/19 00:00	07/02/19 09:20
40190526011	5: 7-8	Solid	06/26/19 00:00	07/02/19 09:20
40190526012	6: 3-4	Solid	06/26/19 00:00	07/02/19 09:20
40190526013	6: 7-8	Solid	06/26/19 00:00	07/02/19 09:20
40190526014	7: 3-4	Solid	06/26/19 00:00	07/02/19 09:20
40190526015	7: 7-8	Solid	06/26/19 00:00	07/02/19 09:20
40190526016	8: 3-4	Solid	06/26/19 00:00	07/02/19 09:20
40190526017	8: 7-8	Solid	06/26/19 00:00	07/02/19 09:20
40190526018	9: 3-4	Solid	06/26/19 00:00	07/02/19 09:20
40190526019	9: 7-8	Solid	06/26/19 00:00	07/02/19 09:20
40190526020	MW-1	Water	06/26/19 00:00	07/02/19 09:20
40190526021	MW-2	Water	06/26/19 00:00	07/02/19 09:20
40190526022	MW-3	Water	06/26/19 00:00	07/02/19 09:20
40190526023	MW-4	Water	06/26/19 00:00	07/02/19 09:20
40190526024	MW-6	Water	06/26/19 00:00	07/02/19 09:20
40190526025	HOUSE	Water	06/26/19 00:00	07/02/19 09:20



SAMPLE ANALYTE COUNT

Project: GRACE'S STORE Pace Project No.: 40190526

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40190526001	1: 3-4	EPA 8260	MDS	12	PASI-G
		ASTM D2974-87	SKW	1	PASI-G
40190526002	1: 8-9	EPA 8260	MDS	12	PASI-G
		ASTM D2974-87	SKW	1	PASI-G
40190526003	2: 3-4	EPA 8260	MDS	12	PASI-G
		ASTM D2974-87	SKW	1	PASI-G
40190526004	2: 8 FT.	EPA 8260	MDS	12	PASI-G
		ASTM D2974-87	SKW	1	PASI-G
40190526005	3: 3-4	EPA 8260	MDS	12	PASI-G
		ASTM D2974-87	SKW	1	PASI-G
40190526006	3: 5-6	EPA 8260	MDS	12	PASI-G
		ASTM D2974-87	SKW	1	PASI-G
40190526007	3: 8-10	EPA 8260	MDS	12	PASI-G
		ASTM D2974-87	SKW	1	PASI-G
40190526008	4: 3-4	EPA 8260	MDS	12	PASI-G
		ASTM D2974-87	SKW	1	PASI-G
40190526009	4: 7-8	EPA 8260	MDS	12	PASI-G
		ASTM D2974-87	SKW	1	PASI-G
40190526010	5: 3-4	EPA 8260	MDS	12	PASI-G
		ASTM D2974-87	SKW	1	PASI-G
40190526011	5: 7-8	EPA 8260	MDS	12	PASI-G
		ASTM D2974-87	SKW	1	PASI-G
40190526012	6: 3-4	EPA 8260	MDS	12	PASI-G
		ASTM D2974-87	SKW	1	PASI-G
40190526013	6: 7-8	EPA 8260	MDS	12	PASI-G
		ASTM D2974-87	SKW	1	PASI-G
40190526014	7: 3-4	EPA 8260	MDS	12	PASI-G
		ASTM D2974-87	SKW	1	PASI-G
40190526015	7: 7-8	EPA 8260	MDS	12	PASI-G
		ASTM D2974-87	SKW	1	PASI-G
40190526016	8: 3-4	EPA 8260	MDS	12	PASI-G
		ASTM D2974-87	SKW	1	PASI-G
40190526017	8: 7-8	EPA 8260	MDS	12	PASI-G
		ASTM D2974-87	SKW	1	PASI-G
40190526018	9: 3-4	EPA 8260	MDS	12	PASI-G
		ASTM D2974-87	SKW	1	PASI-G
40190526019	9: 7-8	EPA 8260	MDS	12	PASI-G



SAMPLE ANALYTE COUNT

Project: GRACE'S STORE Pace Project No.: 40190526

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		ASTM D2974-87	SKW	1	PASI-G
40190526020	MW-1	EPA 8260	LAP	12	PASI-G
40190526021	MW-2	EPA 8260	LAP	12	PASI-G
40190526022	MW-3	EPA 8260	LAP	12	PASI-G
40190526023	MW-4	EPA 8260	LAP	12	PASI-G
40190526024	MW-6	EPA 8260	LAP	12	PASI-G
40190526025	HOUSE	EPA 8260	LAP	12	PASI-G



PROJECT NARRATIVE

Project: GRACE'S STORE

Pace Project No.: 40190526

Method: EPA 8260

Description:8260 MSV Med Level Short ListClient:Meridian Environmental Consulting, LLCDate:July 16, 2019

General Information:

19 samples were analyzed for EPA 8260. 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 EPA 5035/5030B 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.

Internal Standards:

All internal standards were within QC limits 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: 326623

D3: Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.

- 3: 5-6 (Lab ID: 40190526006)
 - Dibromofluoromethane (S)



PROJECT NARRATIVE

Project: GRACE'S STORE

Pace Project No.: 40190526

Method: EPA 8260

Description:8260 MSV USTClient:Meridian Environmental Consulting, LLCDate:July 16, 2019

General Information:

6 samples were analyzed for EPA 8260. 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.

Internal Standards:

All internal standards were within QC limits 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.

QC Batch: 326687

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 40190620002

- M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
 - MS (Lab ID: 1897287)
 - Benzene
 - MSD (Lab ID: 1897288)
 - Benzene
- R1: RPD value was outside control limits.
 - MSD (Lab ID: 1897288)
 - Benzene

Additional Comments:



PROJECT NARRATIVE

Project: GRACE'S STORE

Pace Project No.: 40190526

Method:EPA 8260Description:8260 MSV USTClient:Meridian Environmental Consulting, LLCDate:July 16, 2019

Analyte Comments:

QC Batch: 326687

E: Analyte concentration exceeded the calibration range. The reported result is estimated.

• MS (Lab ID: 1897287)

Benzene

• MSD (Lab ID: 1897288)

• Benzene

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



Project: GRACE'S STORE

Pace Project No.: 40190526

 Sample: 1: 3-4
 Lab ID: 40190526001
 Collected: 06/26/19 00:00
 Received: 07/02/19 09:20
 Matrix: Solid

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

Parameters	Results	Units		LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Short List	Analytical	Method: EP/	A 8260 Prepar	ation Metho	od: EP/	A 5035/5030B			
Benzene	<25.0	ug/kg	60.0	25.0	1	07/05/19 08:15	07/08/19 18:02	71-43-2	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	07/05/19 08:15	07/08/19 18:02	100-41-4	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	07/05/19 08:15	07/08/19 18:02	1634-04-4	W
Naphthalene	<40.0	ug/kg	250	40.0	1	07/05/19 08:15	07/08/19 18:02	91-20-3	W
Toluene	<25.0	ug/kg	60.0	25.0	1	07/05/19 08:15	07/08/19 18:02	108-88-3	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	07/05/19 08:15	07/08/19 18:02	95-63-6	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	07/05/19 08:15	07/08/19 18:02	108-67-8	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	07/05/19 08:15	07/08/19 18:02	179601-23-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	07/05/19 08:15	07/08/19 18:02	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	88	%	57-146		1	07/05/19 08:15	07/08/19 18:02	1868-53-7	
4-Bromofluorobenzene (S)	85	%	54-126		1	07/05/19 08:15	07/08/19 18:02	460-00-4	
Toluene-d8 (S)	83	%	64-134		1	07/05/19 08:15	07/08/19 18:02	2037-26-5	
Percent Moisture	Analytical	Method: AS	TM D2974-87						
Percent Moisture	14.8	%	0.10	0.10	1		07/16/19 06:56		

 Sample: 1: 8-9
 Lab ID: 40190526002
 Collected: 06/26/19 00:00
 Received: 07/02/19 09:20
 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
8260 MSV Med Level Short List	Analytical	Method: EP/	A 8260 Prepar	ation Metho	od: EP	A 5035/5030B			
Benzene	<25.0	ug/kg	60.0	25.0	1	07/05/19 08:15	07/08/19 18:25	71-43-2	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	07/05/19 08:15	07/08/19 18:25	100-41-4	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	07/05/19 08:15	07/08/19 18:25	1634-04-4	W
Naphthalene	<40.0	ug/kg	250	40.0	1	07/05/19 08:15	07/08/19 18:25	91-20-3	W
Toluene	<25.0	ug/kg	60.0	25.0	1	07/05/19 08:15	07/08/19 18:25	108-88-3	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	07/05/19 08:15	07/08/19 18:25	95-63-6	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	07/05/19 08:15	07/08/19 18:25	108-67-8	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	07/05/19 08:15	07/08/19 18:25	179601-23-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	07/05/19 08:15	07/08/19 18:25	95-47-6	W
Surrogates		0 0							
Dibromofluoromethane (S)	95	%	57-146		1	07/05/19 08:15	07/08/19 18:25	1868-53-7	
4-Bromofluorobenzene (S)	95	%	54-126		1	07/05/19 08:15	07/08/19 18:25	460-00-4	
Toluene-d8 (S)	90	%	64-134		1	07/05/19 08:15	07/08/19 18:25	2037-26-5	
Percent Moisture	Analytical	Method: AS	TM D2974-87						
Percent Moisture	25.2	%	0.10	0.10	1		07/16/19 06:56		



Project: GRACE'S STORE

Pace Project No.: 40190526

 Sample: 2: 3-4
 Lab ID: 40190526003
 Collected: 06/26/19 00:00
 Received: 07/02/19 09:20
 Matrix: Solid

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

Parameters	Results	Units		LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Short List	Analytical	Method: EP/	A 8260 Prepar	ration Metho	od: EP/	A 5035/5030B			
Benzene	<25.0	ug/kg	60.0	25.0	1	07/05/19 08:15	07/08/19 19:12	71-43-2	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	07/05/19 08:15	07/08/19 19:12	100-41-4	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	07/05/19 08:15	07/08/19 19:12	1634-04-4	W
Naphthalene	<40.0	ug/kg	250	40.0	1	07/05/19 08:15	07/08/19 19:12	91-20-3	W
Toluene	<25.0	ug/kg	60.0	25.0	1	07/05/19 08:15	07/08/19 19:12	108-88-3	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	07/05/19 08:15	07/08/19 19:12	95-63-6	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	07/05/19 08:15	07/08/19 19:12	108-67-8	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	07/05/19 08:15	07/08/19 19:12	179601-23-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	07/05/19 08:15	07/08/19 19:12	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	97	%	57-146		1	07/05/19 08:15	07/08/19 19:12	1868-53-7	
4-Bromofluorobenzene (S)	94	%	54-126		1	07/05/19 08:15	07/08/19 19:12	460-00-4	
Toluene-d8 (S)	91	%	64-134		1	07/05/19 08:15	07/08/19 19:12	2037-26-5	
Percent Moisture	Analytical	Method: AS	TM D2974-87						
Percent Moisture	19.1	%	0.10	0.10	1		07/16/19 06:56		

 Sample: 2: 8 FT.
 Lab ID: 40190526004
 Collected: 06/26/19 00:00
 Received: 07/02/19 09:20
 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
8260 MSV Med Level Short List	Analytical	Method: EP/	A 8260 Prepar	ation Metho	od: EP	A 5035/5030B			
Benzene	<25.0	ug/kg	60.0	25.0	1	07/05/19 08:15	07/08/19 19:35	71-43-2	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	07/05/19 08:15	07/08/19 19:35	100-41-4	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	07/05/19 08:15	07/08/19 19:35	1634-04-4	W
Naphthalene	<40.0	ug/kg	250	40.0	1	07/05/19 08:15	07/08/19 19:35	91-20-3	W
Toluene	<25.0	ug/kg	60.0	25.0	1	07/05/19 08:15	07/08/19 19:35	108-88-3	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	07/05/19 08:15	07/08/19 19:35	95-63-6	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	07/05/19 08:15	07/08/19 19:35	108-67-8	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	07/05/19 08:15	07/08/19 19:35	179601-23-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	07/05/19 08:15	07/08/19 19:35	95-47-6	W
Surrogates		0 0							
Dibromofluoromethane (S)	94	%	57-146		1	07/05/19 08:15	07/08/19 19:35	1868-53-7	
4-Bromofluorobenzene (S)	89	%	54-126		1	07/05/19 08:15	07/08/19 19:35	460-00-4	
Toluene-d8 (S)	88	%	64-134		1	07/05/19 08:15	07/08/19 19:35	2037-26-5	
Percent Moisture	Analytical	Method: AS	TM D2974-87						
Percent Moisture	31.9	%	0.10	0.10	1		07/16/19 06:56		



Project: GRACE'S STORE

Pace Project No.: 40190526

 Sample: 3: 3-4
 Lab ID: 40190526005
 Collected: 06/26/19 00:00
 Received: 07/02/19 09:20
 Matrix: Solid

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

Parameters	Results	Units		LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Short List	Analytical	Method: EP/	A 8260 Prepar	ation Metho	od: EP/	A 5035/5030B			
Benzene	<25.0	ug/kg	60.0	25.0	1	07/05/19 08:15	07/08/19 19:58	71-43-2	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	07/05/19 08:15	07/08/19 19:58	100-41-4	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	07/05/19 08:15	07/08/19 19:58	1634-04-4	W
Naphthalene	<40.0	ug/kg	250	40.0	1	07/05/19 08:15	07/08/19 19:58	91-20-3	W
Toluene	<25.0	ug/kg	60.0	25.0	1	07/05/19 08:15	07/08/19 19:58	108-88-3	W
1,2,4-Trimethylbenzene	40.3J	ug/kg	72.2	30.1	1	07/05/19 08:15	07/08/19 19:58	95-63-6	
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	07/05/19 08:15	07/08/19 19:58	108-67-8	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	07/05/19 08:15	07/08/19 19:58	179601-23-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	07/05/19 08:15	07/08/19 19:58	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	93	%	57-146		1	07/05/19 08:15	07/08/19 19:58	1868-53-7	
4-Bromofluorobenzene (S)	91	%	54-126		1	07/05/19 08:15	07/08/19 19:58	460-00-4	
Toluene-d8 (S)	87	%	64-134		1	07/05/19 08:15	07/08/19 19:58	2037-26-5	
Percent Moisture	Analytical	Method: AS	TM D2974-87						
Percent Moisture	16.9	%	0.10	0.10	1		07/16/19 06:56		

 Sample: 3: 5-6
 Lab ID: 40190526006
 Collected: 06/26/19 00:00
 Received: 07/02/19 09:20
 Matrix: Solid

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

Parameters	Results	Units		LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Short List	Analytical	Method: EP	A 8260 Prepar	ration Methe	od: EP	A 5035/5030B			
Benzene	<50.0	ug/kg	120	50.0	2	07/05/19 08:15	07/09/19 01:22	71-43-2	W
Ethylbenzene	98.7J	ug/kg	162	67.5	2	07/05/19 08:15	07/09/19 01:22	100-41-4	
Methyl-tert-butyl ether	<50.0	ug/kg	120	50.0	2	07/05/19 08:15	07/09/19 01:22	1634-04-4	W
Naphthalene	<80.1	ug/kg	500	80.1	2	07/05/19 08:15	07/09/19 01:22	91-20-3	W
Toluene	<50.0	ug/kg	120	50.0	2	07/05/19 08:15	07/09/19 01:22	108-88-3	W
1,2,4-Trimethylbenzene	1330	ug/kg	162	67.5	2	07/05/19 08:15	07/09/19 01:22	95-63-6	
1,3,5-Trimethylbenzene	904	ug/kg	162	67.5	2	07/05/19 08:15	07/09/19 01:22	108-67-8	
m&p-Xylene	370	ug/kg	324	135	2	07/05/19 08:15	07/09/19 01:22	179601-23-1	
o-Xylene	<50.0	ug/kg	120	50.0	2	07/05/19 08:15	07/09/19 01:22	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	100	%	57-146		2	07/05/19 08:15	07/09/19 01:22	1868-53-7	D3
4-Bromofluorobenzene (S)	94	%	54-126		2	07/05/19 08:15	07/09/19 01:22	460-00-4	
Toluene-d8 (S)	84	%	64-134		2	07/05/19 08:15	07/09/19 01:22	2037-26-5	
Percent Moisture	Analytical	Method: AS	TM D2974-87						
Percent Moisture	25.9	%	0.10	0.10	1		07/16/19 06:56		



Project: GRACE'S STORE

Pace Project No.: 40190526

 Sample: 3: 8-10
 Lab ID: 40190526007
 Collected: 06/26/19 00:00
 Received: 07/02/19 09:20
 Matrix: Solid

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

Parameters	Results	Units		LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Short List	Analytical	Method: EP/	A 8260 Prepar	ation Metho	od: EP/	A 5035/5030B			
Benzene	306	ug/kg	87.4	36.4	1	07/05/19 08:15	07/08/19 20:21	71-43-2	
Ethylbenzene	1240	ug/kg	87.4	36.4	1	07/05/19 08:15	07/08/19 20:21	100-41-4	
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	07/05/19 08:15	07/08/19 20:21	1634-04-4	W
Naphthalene	176J	ug/kg	364	58.3	1	07/05/19 08:15	07/08/19 20:21	91-20-3	
Toluene	271	ug/kg	87.4	36.4	1	07/05/19 08:15	07/08/19 20:21	108-88-3	
1,2,4-Trimethylbenzene	664	ug/kg	87.4	36.4	1	07/05/19 08:15	07/08/19 20:21	95-63-6	
1,3,5-Trimethylbenzene	199	ug/kg	87.4	36.4	1	07/05/19 08:15	07/08/19 20:21	108-67-8	
m&p-Xylene	1220	ug/kg	175	72.9	1	07/05/19 08:15	07/08/19 20:21	179601-23-1	
o-Xylene	132	ug/kg	87.4	36.4	1	07/05/19 08:15	07/08/19 20:21	95-47-6	
Surrogates									
Dibromofluoromethane (S)	120	%	57-146		1	07/05/19 08:15	07/08/19 20:21	1868-53-7	
4-Bromofluorobenzene (S)	116	%	54-126		1	07/05/19 08:15	07/08/19 20:21	460-00-4	
Toluene-d8 (S)	111	%	64-134		1	07/05/19 08:15	07/08/19 20:21	2037-26-5	
Percent Moisture	Analytical	Method: AS	TM D2974-87						
Percent Moisture	31.4	%	0.10	0.10	1		07/16/19 06:56		

 Sample: 4: 3-4
 Lab ID: 40190526008
 Collected: 06/26/19 00:00
 Received: 07/02/19 09:20
 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
8260 MSV Med Level Short List	Analytical	Method: EP/	A 8260 Prepar	ation Metho	od: EP	A 5035/5030B			
Benzene	<25.0	ug/kg	60.0	25.0	1	07/05/19 08:15	07/08/19 18:49	71-43-2	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	07/05/19 08:15	07/08/19 18:49	100-41-4	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	07/05/19 08:15	07/08/19 18:49	1634-04-4	W
Naphthalene	<40.0	ug/kg	250	40.0	1	07/05/19 08:15	07/08/19 18:49	91-20-3	W
Toluene	<25.0	ug/kg	60.0	25.0	1	07/05/19 08:15	07/08/19 18:49	108-88-3	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	07/05/19 08:15	07/08/19 18:49	95-63-6	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	07/05/19 08:15	07/08/19 18:49	108-67-8	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	07/05/19 08:15	07/08/19 18:49	179601-23-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	07/05/19 08:15	07/08/19 18:49	95-47-6	W
Surrogates		0 0							
Dibromofluoromethane (S)	94	%	57-146		1	07/05/19 08:15	07/08/19 18:49	1868-53-7	
4-Bromofluorobenzene (S)	93	%	54-126		1	07/05/19 08:15	07/08/19 18:49	460-00-4	
Toluene-d8 (S)	88	%	64-134		1	07/05/19 08:15	07/08/19 18:49	2037-26-5	
Percent Moisture	Analytical	Method: AS	TM D2974-87						
Percent Moisture	8.0	%	0.10	0.10	1		07/16/19 06:56		



Project: GRACE'S STORE

Pace Project No.: 40190526

 Sample: 4: 7-8
 Lab ID: 40190526009
 Collected: 06/26/19 00:00
 Received: 07/02/19 09:20
 Matrix: Solid

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

Parameters	Results	Units		LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Short List	Analytical	Method: EP	A 8260 Prepar	ation Metho	od: EP/	A 5035/5030B			
Benzene	<25.0	ug/kg	60.0	25.0	1	07/05/19 08:15	07/08/19 20:45	71-43-2	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	07/05/19 08:15	07/08/19 20:45	100-41-4	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	07/05/19 08:15	07/08/19 20:45	1634-04-4	W
Naphthalene	<40.0	ug/kg	250	40.0	1	07/05/19 08:15	07/08/19 20:45	91-20-3	W
Toluene	<25.0	ug/kg	60.0	25.0	1	07/05/19 08:15	07/08/19 20:45	108-88-3	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	07/05/19 08:15	07/08/19 20:45	95-63-6	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	07/05/19 08:15	07/08/19 20:45	108-67-8	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	07/05/19 08:15	07/08/19 20:45	179601-23-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	07/05/19 08:15	07/08/19 20:45	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	127	%	57-146		1	07/05/19 08:15	07/08/19 20:45	1868-53-7	
4-Bromofluorobenzene (S)	125	%	54-126		1	07/05/19 08:15	07/08/19 20:45	460-00-4	
Toluene-d8 (S)	119	%	64-134		1	07/05/19 08:15	07/08/19 20:45	2037-26-5	
Percent Moisture	Analytical	Method: AS	TM D2974-87						
Percent Moisture	25.4	%	0.10	0.10	1		07/16/19 06:56		

 Sample: 5: 3-4
 Lab ID: 40190526010
 Collected: 06/26/19 00:00
 Received: 07/02/19 09:20
 Matrix: Solid

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

Parameters	Results	Units		LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Short List	Analytical	Method: EP	A 8260 Prepar	ation Metho	od: EP	A 5035/5030B			
Benzene	<25.0	ug/kg	60.0	25.0	1	07/05/19 08:15	07/08/19 21:08	71-43-2	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	07/05/19 08:15	07/08/19 21:08	100-41-4	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	07/05/19 08:15	07/08/19 21:08	1634-04-4	W
Naphthalene	<40.0	ug/kg	250	40.0	1	07/05/19 08:15	07/08/19 21:08	91-20-3	W
Toluene	<25.0	ug/kg	60.0	25.0	1	07/05/19 08:15	07/08/19 21:08	108-88-3	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	07/05/19 08:15	07/08/19 21:08	95-63-6	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	07/05/19 08:15	07/08/19 21:08	108-67-8	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	07/05/19 08:15	07/08/19 21:08	179601-23-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	07/05/19 08:15	07/08/19 21:08	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	118	%	57-146		1	07/05/19 08:15	07/08/19 21:08	1868-53-7	
4-Bromofluorobenzene (S)	111	%	54-126		1	07/05/19 08:15	07/08/19 21:08	460-00-4	
Toluene-d8 (S)	110	%	64-134		1	07/05/19 08:15	07/08/19 21:08	2037-26-5	
Percent Moisture	Analytical	Method: AS	TM D2974-87						
Percent Moisture	8.9	%	0.10	0.10	1		07/16/19 06:56		



Project: GRACE'S STORE

Pace Project No.: 40190526

 Sample: 5: 7-8
 Lab ID: 40190526011
 Collected: 06/26/19 00:00
 Received: 07/02/19 09:20
 Matrix: Solid

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

Parameters	Results	Units		LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Short List	Analytical	Method: EP/	A 8260 Prepar	ation Metho	od: EP/	A 5035/5030B			
Benzene	<25.0	ug/kg	60.0	25.0	1	07/05/19 08:15	07/08/19 21:31	71-43-2	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	07/05/19 08:15	07/08/19 21:31	100-41-4	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	07/05/19 08:15	07/08/19 21:31	1634-04-4	W
Naphthalene	<40.0	ug/kg	250	40.0	1	07/05/19 08:15	07/08/19 21:31	91-20-3	W
Toluene	<25.0	ug/kg	60.0	25.0	1	07/05/19 08:15	07/08/19 21:31	108-88-3	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	07/05/19 08:15	07/08/19 21:31	95-63-6	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	07/05/19 08:15	07/08/19 21:31	108-67-8	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	07/05/19 08:15	07/08/19 21:31	179601-23-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	07/05/19 08:15	07/08/19 21:31	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	115	%	57-146		1	07/05/19 08:15	07/08/19 21:31	1868-53-7	
4-Bromofluorobenzene (S)	109	%	54-126		1	07/05/19 08:15	07/08/19 21:31	460-00-4	
Toluene-d8 (S)	107	%	64-134		1	07/05/19 08:15	07/08/19 21:31	2037-26-5	
Percent Moisture	Analytical	Method: AS	TM D2974-87						
Percent Moisture	29.8	%	0.10	0.10	1		07/16/19 07:16		

 Sample: 6: 3-4
 Lab ID: 40190526012
 Collected: 06/26/19 00:00
 Received: 07/02/19 09:20
 Matrix: Solid

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

Parameters	Results	Units		LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Short List	Analytical	Method: EP/	A 8260 Prepar	ration Metho	od: EP	A 5035/5030B			
Benzene	<25.0	ug/kg	60.0	25.0	1	07/05/19 08:15	07/08/19 21:54	71-43-2	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	07/05/19 08:15	07/08/19 21:54	100-41-4	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	07/05/19 08:15	07/08/19 21:54	1634-04-4	W
Naphthalene	<40.0	ug/kg	250	40.0	1	07/05/19 08:15	07/08/19 21:54	91-20-3	W
Toluene	<25.0	ug/kg	60.0	25.0	1	07/05/19 08:15	07/08/19 21:54	108-88-3	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	07/05/19 08:15	07/08/19 21:54	95-63-6	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	07/05/19 08:15	07/08/19 21:54	108-67-8	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	07/05/19 08:15	07/08/19 21:54	179601-23-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	07/05/19 08:15	07/08/19 21:54	95-47-6	W
Surrogates		0 0							
Dibromofluoromethane (S)	109	%	57-146		1	07/05/19 08:15	07/08/19 21:54	1868-53-7	
4-Bromofluorobenzene (S)	101	%	54-126		1	07/05/19 08:15	07/08/19 21:54	460-00-4	
Toluene-d8 (S)	101	%	64-134		1	07/05/19 08:15	07/08/19 21:54	2037-26-5	
Percent Moisture	Analytical	Method: AS	TM D2974-87						
Percent Moisture	13.5	%	0.10	0.10	1		07/16/19 07:16		



Project: GRACE'S STORE

Pace Project No.: 40190526

 Sample: 6: 7-8
 Lab ID: 40190526013
 Collected: 06/26/19 00:00
 Received: 07/02/19 09:20
 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Short List	Analytical	Method: EP/	A 8260 Prepar	ation Metho	od: EP/	A 5035/5030B			
Benzene	<25.0	ug/kg	60.0	25.0	1	07/05/19 08:15	07/08/19 22:17	71-43-2	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	07/05/19 08:15	07/08/19 22:17	100-41-4	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	07/05/19 08:15	07/08/19 22:17	1634-04-4	W
Naphthalene	<40.0	ug/kg	250	40.0	1	07/05/19 08:15	07/08/19 22:17	91-20-3	W
Toluene	<25.0	ug/kg	60.0	25.0	1	07/05/19 08:15	07/08/19 22:17	108-88-3	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	07/05/19 08:15	07/08/19 22:17	95-63-6	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	07/05/19 08:15	07/08/19 22:17	108-67-8	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	07/05/19 08:15	07/08/19 22:17	179601-23-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	07/05/19 08:15	07/08/19 22:17	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	115	%	57-146		1	07/05/19 08:15	07/08/19 22:17	1868-53-7	
4-Bromofluorobenzene (S)	104	%	54-126		1	07/05/19 08:15	07/08/19 22:17	460-00-4	
Toluene-d8 (S)	103	%	64-134		1	07/05/19 08:15	07/08/19 22:17	2037-26-5	
Percent Moisture	Analytical	Method: AS	TM D2974-87						
Percent Moisture	26.6	%	0.10	0.10	1		07/16/19 07:16		

 Sample: 7: 3-4
 Lab ID: 40190526014
 Collected: 06/26/19 00:00
 Received: 07/02/19 09:20
 Matrix: Solid

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

Parameters	Results	Units		LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Short List	Analytical	Method: EP	A 8260 Prepar	ration Metho	od: EP	A 5035/5030B			
Benzene	<25.0	ug/kg	60.0	25.0	1	07/05/19 08:15	07/08/19 22:40	71-43-2	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	07/05/19 08:15	07/08/19 22:40	100-41-4	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	07/05/19 08:15	07/08/19 22:40	1634-04-4	W
Naphthalene	<40.0	ug/kg	250	40.0	1	07/05/19 08:15	07/08/19 22:40	91-20-3	W
Toluene	<25.0	ug/kg	60.0	25.0	1	07/05/19 08:15	07/08/19 22:40	108-88-3	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	07/05/19 08:15	07/08/19 22:40	95-63-6	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	07/05/19 08:15	07/08/19 22:40	108-67-8	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	07/05/19 08:15	07/08/19 22:40	179601-23-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	07/05/19 08:15	07/08/19 22:40	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	117	%	57-146		1	07/05/19 08:15	07/08/19 22:40	1868-53-7	
4-Bromofluorobenzene (S)	107	%	54-126		1	07/05/19 08:15	07/08/19 22:40	460-00-4	
Toluene-d8 (S)	105	%	64-134		1	07/05/19 08:15	07/08/19 22:40	2037-26-5	
Percent Moisture	Analytical	Method: AS	TM D2974-87						
Percent Moisture	14.6	%	0.10	0.10	1		07/16/19 07:16		



Project: GRACE'S STORE

Pace Project No.: 40190526

 Sample: 7: 7-8
 Lab ID: 40190526015
 Collected: 06/26/19 00:00
 Received: 07/02/19 09:20
 Matrix: Solid

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

Parameters	Results	Units		LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Short List	Analytical	Method: EP/	A 8260 Prepar	ation Metho	od: EP/	A 5035/5030B			
Benzene	<25.0	ug/kg	60.0	25.0	1	07/05/19 08:15	07/08/19 23:03	71-43-2	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	07/05/19 08:15	07/08/19 23:03	100-41-4	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	07/05/19 08:15	07/08/19 23:03	1634-04-4	W
Naphthalene	<40.0	ug/kg	250	40.0	1	07/05/19 08:15	07/08/19 23:03	91-20-3	W
Toluene	<25.0	ug/kg	60.0	25.0	1	07/05/19 08:15	07/08/19 23:03	108-88-3	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	07/05/19 08:15	07/08/19 23:03	95-63-6	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	07/05/19 08:15	07/08/19 23:03	108-67-8	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	07/05/19 08:15	07/08/19 23:03	179601-23-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	07/05/19 08:15	07/08/19 23:03	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	116	%	57-146		1	07/05/19 08:15	07/08/19 23:03	1868-53-7	
4-Bromofluorobenzene (S)	105	%	54-126		1	07/05/19 08:15	07/08/19 23:03	460-00-4	
Toluene-d8 (S)	105	%	64-134		1	07/05/19 08:15	07/08/19 23:03	2037-26-5	
Percent Moisture	Analytical	Method: AS	TM D2974-87						
Percent Moisture	29.1	%	0.10	0.10	1		07/16/19 07:16		

 Sample: 8: 3-4
 Lab ID: 40190526016
 Collected: 06/26/19 00:00
 Received: 07/02/19 09:20
 Matrix: Solid

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

Parameters	Results	Units		LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Short List	Analytical	Method: EP	A 8260 Prepar	ration Metho	od: EP	A 5035/5030B			
Benzene	<25.0	ug/kg	60.0	25.0	1	07/05/19 08:15	07/08/19 23:26	71-43-2	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	07/05/19 08:15	07/08/19 23:26	100-41-4	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	07/05/19 08:15	07/08/19 23:26	1634-04-4	W
Naphthalene	<40.0	ug/kg	250	40.0	1	07/05/19 08:15	07/08/19 23:26	91-20-3	W
Toluene	<25.0	ug/kg	60.0	25.0	1	07/05/19 08:15	07/08/19 23:26	108-88-3	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	07/05/19 08:15	07/08/19 23:26	95-63-6	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	07/05/19 08:15	07/08/19 23:26	108-67-8	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	07/05/19 08:15	07/08/19 23:26	179601-23-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	07/05/19 08:15	07/08/19 23:26	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	124	%	57-146		1	07/05/19 08:15	07/08/19 23:26	1868-53-7	
4-Bromofluorobenzene (S)	117	%	54-126		1	07/05/19 08:15	07/08/19 23:26	460-00-4	
Toluene-d8 (S)	114	%	64-134		1	07/05/19 08:15	07/08/19 23:26	2037-26-5	
Percent Moisture	Analytical	Method: AS	TM D2974-87						
Percent Moisture	18.9	%	0.10	0.10	1		07/16/19 07:16		



Project: GRACE'S STORE

Pace Project No.: 40190526

 Sample: 8: 7-8
 Lab ID: 40190526017
 Collected: 06/26/19 00:00
 Received: 07/02/19 09:20
 Matrix: Solid

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

Parameters	Results	Units		LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Short List	Analytical	Method: EP/	A 8260 Prepar	ation Metho	od: EP/	A 5035/5030B			
Benzene	<25.0	ug/kg	60.0	25.0	1	07/05/19 08:15	07/09/19 10:32	71-43-2	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	07/05/19 08:15	07/09/19 10:32	100-41-4	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	07/05/19 08:15	07/09/19 10:32	1634-04-4	W
Naphthalene	<40.0	ug/kg	250	40.0	1	07/05/19 08:15	07/09/19 10:32	91-20-3	W
Toluene	<25.0	ug/kg	60.0	25.0	1	07/05/19 08:15	07/09/19 10:32	108-88-3	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	07/05/19 08:15	07/09/19 10:32	95-63-6	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	07/05/19 08:15	07/09/19 10:32	108-67-8	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	07/05/19 08:15	07/09/19 10:32	179601-23-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	07/05/19 08:15	07/09/19 10:32	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	97	%	57-146		1	07/05/19 08:15	07/09/19 10:32	1868-53-7	
4-Bromofluorobenzene (S)	96	%	54-126		1	07/05/19 08:15	07/09/19 10:32	460-00-4	
Toluene-d8 (S)	86	%	64-134		1	07/05/19 08:15	07/09/19 10:32	2037-26-5	
Percent Moisture	Analytical	Method: AS	TM D2974-87						
Percent Moisture	26.7	%	0.10	0.10	1		07/16/19 07:16		

 Sample: 9: 3-4
 Lab ID: 40190526018
 Collected: 06/26/19 00:00
 Received: 07/02/19 09:20
 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
8260 MSV Med Level Short List	Analytical	Method: EP	A 8260 Prepar	ation Metho	od: EP	A 5035/5030B			
Benzene	<25.0	ug/kg	60.0	25.0	1	07/05/19 08:15	07/08/19 23:50	71-43-2	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	07/05/19 08:15	07/08/19 23:50	100-41-4	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	07/05/19 08:15	07/08/19 23:50	1634-04-4	W
Naphthalene	<40.0	ug/kg	250	40.0	1	07/05/19 08:15	07/08/19 23:50	91-20-3	W
Toluene	<25.0	ug/kg	60.0	25.0	1	07/05/19 08:15	07/08/19 23:50	108-88-3	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	07/05/19 08:15	07/08/19 23:50	95-63-6	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	07/05/19 08:15	07/08/19 23:50	108-67-8	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	07/05/19 08:15	07/08/19 23:50	179601-23-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	07/05/19 08:15	07/08/19 23:50	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	108	%	57-146		1	07/05/19 08:15	07/08/19 23:50	1868-53-7	
4-Bromofluorobenzene (S)	99	%	54-126		1	07/05/19 08:15	07/08/19 23:50	460-00-4	
Toluene-d8 (S)	100	%	64-134		1	07/05/19 08:15	07/08/19 23:50	2037-26-5	
Percent Moisture	Analytical	Method: AS	TM D2974-87						
Percent Moisture	23.0	%	0.10	0.10	1		07/16/19 07:16		



Project: GRACE'S STORE

Pace Project No.: 40190526

 Sample: 9: 7-8
 Lab ID: 40190526019
 Collected: 06/26/19 00:00
 Received: 07/02/19 09:20
 Matrix: Solid

 Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.
 Image: Collected: 06/26/19 00:00
 Image: Collecte

Parameters	Results	Units		LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Short List	Analytical	Method: EP/	A 8260 Prepar	ation Metho	od: EP	A 5035/5030B			
Benzene	<25.0	ug/kg	60.0	25.0	1	07/05/19 08:15	07/09/19 00:13	71-43-2	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	07/05/19 08:15	07/09/19 00:13	100-41-4	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	07/05/19 08:15	07/09/19 00:13	1634-04-4	W
Naphthalene	<40.0	ug/kg	250	40.0	1	07/05/19 08:15	07/09/19 00:13	91-20-3	W
Toluene	<25.0	ug/kg	60.0	25.0	1	07/05/19 08:15	07/09/19 00:13	108-88-3	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	07/05/19 08:15	07/09/19 00:13	95-63-6	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	07/05/19 08:15	07/09/19 00:13	108-67-8	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	07/05/19 08:15	07/09/19 00:13	179601-23-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	07/05/19 08:15	07/09/19 00:13	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	114	%	57-146		1	07/05/19 08:15	07/09/19 00:13	1868-53-7	
4-Bromofluorobenzene (S)	109	%	54-126		1	07/05/19 08:15	07/09/19 00:13	460-00-4	
Toluene-d8 (S)	106	%	64-134		1	07/05/19 08:15	07/09/19 00:13	2037-26-5	
Percent Moisture	Analytical	Method: AS	TM D2974-87						
Percent Moisture	29.7	%	0.10	0.10	1		07/16/19 07:16		

Received: 07/02/19 09:20 Sample: MW-1 Lab ID: 40190526020 Collected: 06/26/19 00:00 Matrix: Water LOQ LOD DF Qual Parameters Results Units Prepared CAS No. Analyzed Analytical Method: EPA 8260 8260 MSV UST Benzene <0.25 ug/L 1.0 0.25 1 07/08/19 13:31 71-43-2 0.22 07/08/19 13:31 100-41-4 Ethylbenzene <0.22 ug/L 1.0 1 Methyl-tert-butyl ether <1.2 ug/L 4.2 1.2 07/08/19 13:31 1634-04-4 1 Naphthalene 07/08/19 13:31 91-20-3 <1.2 ug/L 5.0 1.2 1 Toluene <0.17 07/08/19 13:31 108-88-3 ug/L 5.0 0.17 1 1,2,4-Trimethylbenzene <0.84 ug/L 2.8 0.84 07/08/19 13:31 95-63-6 1 1,3,5-Trimethylbenzene <0.87 0.87 07/08/19 13:31 108-67-8 ug/L 2.9 1 m&p-Xylene <0.47 ug/L 2.0 0.47 1 07/08/19 13:31 179601-23-1 o-Xylene <0.26 ug/L 1.0 0.26 1 07/08/19 13:31 95-47-6 Surrogates Dibromofluoromethane (S) 102 % 70-130 1 07/08/19 13:31 1868-53-7 HS 70-130 07/08/19 13:31 2037-26-5 Toluene-d8 (S) 97 % 1 4-Bromofluorobenzene (S) 97 70-130 07/08/19 13:31 460-00-4 % 1 Lab ID: 40190526021 Sample: MW-2 Collected: 06/26/19 00:00 Received: 07/02/19 09:20 Matrix: Water Parameters Results Units LOQ LOD DF Prepared Analyzed CAS No. Qual 8260 MSV UST Analytical Method: EPA 8260 07/08/19 13:53 71-43-2 Benzene <0.25 ug/L 1.0 0.25 1

REPORT OF LABORATORY ANALYSIS



Project: GRACE'S STORE

Pace Project No.: 40190526

Sample: MW-2	Lab ID:	40190526021	Collected	d: 06/26/19	9 00:00	Received: 07	7/02/19 09:20 Ma	atrix: Water	
Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV UST	Analytical	Method: EPA 8	260						
Ethylbenzene	<0.22	ug/L	1.0	0.22	1		07/08/19 13:53	100-41-4	
Methyl-tert-butyl ether	<1.2	ug/L	4.2	1.2	1		07/08/19 13:53	1634-04-4	
Naphthalene	<1.2	ug/L	5.0	1.2	1		07/08/19 13:53	91-20-3	
Toluene	<0.17	ug/L	5.0	0.17	1		07/08/19 13:53	108-88-3	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		07/08/19 13:53	95-63-6	
1.3.5-Trimethylbenzene	<0.87	ua/L	2.9	0.87	1		07/08/19 13:53	108-67-8	
m&p-Xylene	<0.47	ug/L	2.0	0.47	1		07/08/19 13:53	179601-23-1	
o-Xylene	<0.26	ug/L	1.0	0.26	1		07/08/19 13:53	95-47-6	
Surrogates		- 3 -							
Dibromofluoromethane (S)	101	%	70-130		1		07/08/19 13:53	1868-53-7	HS
Toluene-d8 (S)	96	%	70-130		1		07/08/19 13:53	2037-26-5	
4-Bromofluorobenzene (S)	99	%	70-130		1		07/08/19 13:53	460-00-4	
Sample: MW-3	Lab ID:	40190526022	Collected	d: 06/26/1	9 00:00	Received: 07	7/02/19 09:20 Ma	atrix: Water	
Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV UST	Analytical	Method: EPA 8	260						
Benzene	<0.25	ua/L	1.0	0.25	1		07/08/19 14:16	71-43-2	
Ethylbenzene	<0.22	ua/l	1.0	0.22	1		07/08/19 14:16	100-41-4	
Methyl-tert-butyl ether	<1.2	ua/L	4.2	1.2	1		07/08/19 14:16	1634-04-4	
Naphthalene	<1.2	ua/L	5.0	1.2	1		07/08/19 14:16	91-20-3	
Toluene	<0.17	ua/L	5.0	0.17	1		07/08/19 14:16	108-88-3	
1.2.4-Trimethylbenzene	<0.84	ua/L	2.8	0.84	1		07/08/19 14:16	95-63-6	
1.3.5-Trimethylbenzene	<0.87	ua/L	2.9	0.87	1		07/08/19 14:16	108-67-8	
m&p-Xvlene	<0.47	ua/L	2.0	0.47	1		07/08/19 14:16	179601-23-1	
o-Xvlene	<0.26	ua/L	1.0	0.26	1		07/08/19 14:16	95-47-6	
Surrogates			-						
Dibromofluoromethane (S)	103	%	70-130		1		07/08/19 14:16	1868-53-7	HS
Toluene-d8 (S)	98	%	70-130		1		07/08/19 14:16	2037-26-5	
4-Bromofluorobenzene (S)	99	%	70-130		1		07/08/19 14:16	460-00-4	
Sample: MW-4	Lab ID:	40190526023	Collected	d: 06/26/1	9 00:00	Received: 07	7/02/19 09:20 Ma	atrix: Water	
Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV UST	Analytical	Method: EPA 8	260						
Benzene	~0.25	ua/l	1 0	0.25	1		07/04/19 02.14	71-43-2	
Ethylbenzene	~0.23	ug/L	1.0	0.20	1		07/04/10 02:44	100-41-4	
Methyl-tert-hutyl ether	<u>\</u> 0.22 ∠1 0	ug/L	1.0	1.22	1		07/04/10 02:44	1634-04-4	
Nanhthalene	~1.2	ug/L	4.2 5.0	1.2	1		07/04/19 02.44	01-20-3	
Toluene	∼n 17	ug/L	5.0	1.Z 0.17	1		07/04/10 02:44	108-88-3	
1.2.4-Trimethylbenzene	<0.84	ug/L	2.8	0.17	1		07/04/19 02:44	95-63-6	
.,_,	- VIV T	~ . .	2.0	0.0 1			J., J., IO 02.77		

REPORT OF LABORATORY ANALYSIS



Project: GRACE'S STORE

Pace Project No.: 40190526

Sample: MW-4	Lab ID:	40190526023	Collected	: 06/26/19	9 00:00	Received: 07	7/02/19 09:20 Ma	atrix: Water	
Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV UST	Analytical	Method: EPA 8	260						
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		07/04/19 02:44	108-67-8	
m&p-Xylene	<0.47	ug/L	2.0	0.47	1		07/04/19 02:44	179601-23-1	
o-Xylene	<0.26	ug/L	1.0	0.26	1		07/04/19 02:44	95-47-6	
Surrogates									
Dibromofluoromethane (S)	95	%	70-130		1		07/04/19 02:44	1868-53-7	
Toluene-d8 (S)	91	%	70-130		1		07/04/19 02:44	2037-26-5	
4-Bromofluorobenzene (S)	89	%	70-130		1		07/04/19 02:44	460-00-4	
Sample: MW-6	Lab ID:	40190526024	Collected	: 06/26/19	9 00:00	Received: 07	7/02/19 09:20 Ma	atrix: Water	
Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV UST	Analytical	Method: EPA 8	260						
Benzene	<0.25	ua/L	1.0	0.25	1		07/04/19 03:06	71-43-2	
Ethvlbenzene	<0.22	ug/L	1.0	0.22	1		07/04/19 03:06	100-41-4	
Methyl-tert-butyl ether	<1.2	ug/L	4.2	1.2	1		07/04/19 03:06	1634-04-4	
Naphthalene	<1.2	ug/L	5.0	1.2	1		07/04/19 03:06	91-20-3	
Toluene	<0.17	ug/L	5.0	0.17	1		07/04/19 03:06	108-88-3	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		07/04/19 03:06	95-63-6	
1.3.5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		07/04/19 03:06	108-67-8	
m&p-Xylene	<0.47	ug/L	2.0	0.47	1		07/04/19 03:06	179601-23-1	
o-Xylene	<0.26	ug/L	1.0	0.26	1		07/04/19 03:06	95-47-6	
Surrogates		0							
Dibromofluoromethane (S)	101	%	70-130		1		07/04/19 03:06	1868-53-7	HS
Toluene-d8 (S)	91	%	70-130		1		07/04/19 03:06	2037-26-5	
4-Bromofluorobenzene (S)	90	%	70-130		1		07/04/19 03:06	460-00-4	
Sample: HOUSE	Lab ID:	40190526025	Collected	: 06/26/19	9 00:00	Received: 07	7/02/19 09:20 Ma	atrix: Water	
Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV UST	Analytical	Method: EPA 8	260						
Benzene	<0.25	ug/L	1.0	0.25	1		07/04/19 03:28	71-43-2	
Ethylbenzene	<0.22	ug/L	1.0	0.22	1		07/04/19 03:28	100-41-4	
Methyl-tert-butyl ether	<1.2	ug/L	4.2	1.2	1		07/04/19 03:28	1634-04-4	
Naphthalene	<1.2	ug/L	5.0	1.2	1		07/04/19 03:28	91-20-3	
Toluene	<0.17	ug/L	5.0	0.17	1		07/04/19 03:28	108-88-3	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		07/04/19 03:28	95-63-6	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		07/04/19 03:28	108-67-8	
m&p-Xylene	<0.47	ug/L	2.0	0.47	1		07/04/19 03:28	179601-23-1	
o-Xylene	<0.26	ug/L	1.0	0.26	1		07/04/19 03:28	95-47-6	
Surrogates Dibromofluoromethane (S)	94	%	70-130		1		07/04/19 03:28	1868-53-7	

REPORT OF LABORATORY ANALYSIS



Project: GRACE'S STORE

Pace Project No.: 40190526

Sample: HOUSE	Lab ID:	40190526025	Collecte	d: 06/26/1	9 00:00	Received: 07	/02/19 09:20 Ma	atrix: Water	
Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV UST	Analytical	Method: EPA 8	260						
<i>Surrogates</i> Toluene-d8 (S) 4-Bromofluorobenzene (S)	91 92	% %	70-130 70-130		1 1		07/04/19 03:28 07/04/19 03:28	2037-26-5 460-00-4	



Project:	GRACE	'S STORE								
Pace Project No.:	401905	26								
QC Batch:	32662	3		Analysis	Method:	EF	PA 8260			
QC Batch Method:	EPA 5	035/5030B		Analysis	Description:	82	260 MSV Med	d Level Short L	ist	
Associated Lab Sam	nples:	4019052600 4019052600 4019052601	1, 40190526002, 8, 40190526009, 5, 40190526016,	4019052600 4019052601 4019052601	3, 401905260 0, 401905260 7, 401905260)04, 40)11, 40)18, 40	0190526005, 0190526012, 0190526019	40190526006 40190526013	, 40190526007, , 40190526014,	
METHOD BLANK:	189675	9		Ма	trix: Solid					
Associated Lab Sam	nples:	4019052600 4019052600 4019052601	1, 40190526002, 8, 40190526009, 5, 40190526016,	4019052600 4019052601 4019052601	3, 401905260 0, 401905260 7, 401905260	004, 40 011, 40 018, 40	0190526005, 0190526012, 0190526019	40190526006 40190526013	, 40190526007, 40190526014,	
				Blank	Report	ing				
Param	neter		Units	Result	Limi	t	Analyze	d Qual	ifiers	
1,2,4-Trimethylbenze	ene		ug/kg	<12	2.2	50.0	07/08/19 08	8:54		
1,3,5-Trimethylbenz	ene		ug/kg	<1	4.5	50.0	07/08/19 08	8:54		
Benzene			ug/kg	<	9.2	20.0	07/08/19 08	8:54		
Ethylbenzene			ug/kg	<12	2.4	50.0	07/08/19 0	8:54		
m&p-Xylene			ug/kg	<3	4.4	100	07/08/19 0	8:54		
Methyl-tert-butyl eth	er		ug/kg	<12	2.7	50.0	07/08/19 08	8:54		
Naphthalene			ug/kg	<4	J.0	250	07/08/19 0	8:54		
o-Xylene			ug/kg	<1	4.0	50.0	07/08/19 0	8:54		
Ioluene	(0)		ug/kg	<1	1.2	50.0	07/08/19 0	8:54		
4-Bromofluorobenze	ene (S)		%	1	13 5	4-120	07/08/19 0	5:54 0:54		
	ane (S)		70 0/	1	10 6	1-140	07/08/19 0	0.04 9.51		
			70		10 0	4-134	07/00/19/0	5.54		
LABORATORY CON	NTROL S	AMPLE: 1	896760							
_				Spike	LCS		LCS	% Rec		
Param	neter		Units	Conc.	Result		% Rec	Limits	Qualifiers	
Benzene			ug/kg	2500	2450)	98	70-130		
Ethylbenzene			ug/kg	2500	2350)	94	82-122		
m&p-Xylene			ug/kg	5000	4650)	93	70-130		
Methyl-tert-butyl eth	er		ug/kg	2500	2790)	112	70-130		
o-Xylene			ug/kg	2500	2280)	91	70-130		
Toluene			ug/kg	2500	2290)	92	80-121		
4-Bromofluorobenze	ene (S)		%				109	54-126		
Dibromofluorometha	ane (S)		%				102	57-146		
Toluene-d8 (S)			%				97	64-134		
MATRIX SPIKE & M	IATRIX S		CATE: 189676	61	189	6762				

Parameter	Units	40190526008 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Benzene	ug/kg	<25.0	1360	1360	1330	1500	98	111	70-130	12	20	
Ethylbenzene	ug/kg	<25.0	1360	1360	1150	1320	85	97	80-122	14	20	
m&p-Xylene	ug/kg	<50.0	2720	2720	2320	2690	85	98	70-130	15	20	
Methyl-tert-butyl ether	ug/kg	<25.0	1360	1360	1550	1620	114	119	70-130	5	20	
o-Xylene	ug/kg	<25.0	1360	1360	1160	1320	84	97	70-130	13	20	

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



Project: GRACE'S STORE Pace Project No.: 40190526

MATRIX SPIKE & MATRIX SP		CATE: 1896	761		1896762							
			MS	MSD					_			
	4	0190526008	Spike	Spike	MS	MSD	MS	MSD	% Rec		Max	
Parameter	Units	Result	Conc.	Conc.	Result	Result	% Rec	% Rec	Limits	RPD	RPD	Qual
Toluene	ug/kg	<25.0	1360	1360	1160	1340	85	98	80-121	14	20	
4-Bromofluorobenzene (S)	%						98	115	54-126			
Dibromofluoromethane (S)	%						95	107	57-146			
Toluene-d8 (S)	%						88	102	64-134			

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.



Project: GRACE'S STORE

Pace Project No.: 40190526

QC Batch:	326450	Analysis Method:	EPA 8260
QC Batch Method:	EPA 8260	Analysis Description:	8260 MSV UST-WATER
Associated Lab Samp	les: 40190526023, 40190526024, 40	190526025	

Matrix: Water

METHOD BLANK: 1895707 Matri Associated Lab Samples: 40100526023 40100526024 40100526025

	20023, 40130320024	, 40130320023			
		Blank	Reporting		
Parameter	Units	Result	Limit	Analyzed	Qualifiers
1,2,4-Trimethylbenzene	ug/L	<0.84	2.8	07/03/19 17:00	
1,3,5-Trimethylbenzene	ug/L	<0.87	2.9	07/03/19 17:00	
Benzene	ug/L	<0.25	1.0	07/03/19 17:00	
Ethylbenzene	ug/L	<0.22	1.0	07/03/19 17:00	
m&p-Xylene	ug/L	<0.47	2.0	07/03/19 17:00	
Methyl-tert-butyl ether	ug/L	<1.2	4.2	07/03/19 17:00	
Naphthalene	ug/L	<1.2	5.0	07/03/19 17:00	
o-Xylene	ug/L	<0.26	1.0	07/03/19 17:00	
Toluene	ug/L	<0.17	5.0	07/03/19 17:00	
4-Bromofluorobenzene (S)	%	88	70-130	07/03/19 17:00	
Dibromofluoromethane (S)	%	95	70-130	07/03/19 17:00	
Toluene-d8 (S)	%	95	70-130	07/03/19 17:00	

LABORATORY CONTROL SAMPLE: 1895708

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
	ug/l		47.6		70-130	Qualifiero
Ethylbenzene	ug/L	50	50.9	102	80-124	
m&p-Xylene	ug/L	100	106	106	70-130	
Methyl-tert-butyl ether	ug/L	50	46.8	94	54-137	
o-Xylene	ug/L	50	51.1	102	70-130	
Toluene	ug/L	50	49.7	99	80-126	
4-Bromofluorobenzene (S)	%			103	70-130	
Dibromofluoromethane (S)	%			99	70-130	
Toluene-d8 (S)	%			98	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1896723 1896724 MS MSD 40190484004 MS MSD MS MSD Spike Spike % Rec Max Parameter Units Result Conc. Conc. Result Result % Rec % Rec Limits RPD RPD Qual Benzene ug/L <0.25 50 50 45.7 43.8 91 88 70-130 4 20 Ethylbenzene ug/L <0.22 50 50 47.9 47.9 96 96 80-125 0 20 100 98.4 m&p-Xylene ug/L <0.47 100 99.0 98 99 70-130 1 20 Methyl-tert-butyl ether ug/L <1.2 50 50 44.4 89 84 51-145 6 20 41.8 o-Xylene <0.26 50 50 47.0 94 95 ug/L 47.7 70-130 1 20 0 Toluene ug/L <0.17 50 50 47.8 47.8 96 96 80-131 20 4-Bromofluorobenzene (S) % 97 98 70-130 Dibromofluoromethane (S) % 97 93 70-130

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



Project: GRACE'S STORE Pace Project No.: 40190526

MATRIX SPIKE & MATRIX SP	IKE DUPL	ICATE: 1896	723		1896724	1						
			MS	MSD								
		40190484004	Spike	Spike	MS	MSD	MS	MSD	% Rec		Max	
Parameter	Units	Result	Conc.	Conc.	Result	Result	% Rec	% Rec	Limits	RPD	RPD	Qual
Toluene-d8 (S)	%						98	98	70-130			

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



Project: GRACE'S STORE

Pace Project No.: 40190526

QC Batch:	326687	Analysis Method:	EPA 8260
QC Batch Method:	EPA 8260	Analysis Description:	8260 MSV UST-WATER
Associated Lab Samp	eles: 40190526020, 40190526021, 40	190526022	

Matrix: Water

METHOD BLANK: 1897285 Matri Associated Lab Samples: 40100526020, 40100526021, 40100526022

	20020, 40130320021	, 40130320022			
		Blank	Reporting		
Parameter	Units	Result	Limit	Analyzed	Qualifiers
1,2,4-Trimethylbenzene	ug/L	<0.84	2.8	07/08/19 07:04	
1,3,5-Trimethylbenzene	ug/L	<0.87	2.9	07/08/19 07:04	
Benzene	ug/L	<0.25	1.0	07/08/19 07:04	
Ethylbenzene	ug/L	<0.22	1.0	07/08/19 07:04	
m&p-Xylene	ug/L	<0.47	2.0	07/08/19 07:04	
Methyl-tert-butyl ether	ug/L	<1.2	4.2	07/08/19 07:04	
Naphthalene	ug/L	<1.2	5.0	07/08/19 07:04	
o-Xylene	ug/L	<0.26	1.0	07/08/19 07:04	
Toluene	ug/L	<0.17	5.0	07/08/19 07:04	
4-Bromofluorobenzene (S)	%	97	70-130	07/08/19 07:04	
Dibromofluoromethane (S)	%	100	70-130	07/08/19 07:04	
Toluene-d8 (S)	%	98	70-130	07/08/19 07:04	

LABORATORY CONTROL SAMPLE: 1897286

		Spike	LCS	LCS	% Rec	
Parameter	Units	Conc.	Result	% Rec	Limits	Qualifiers
Benzene	ug/L	50	46.5	93	70-130	
Ethylbenzene	ug/L	50	47.1	94	80-124	
m&p-Xylene	ug/L	100	93.4	93	70-130	
Methyl-tert-butyl ether	ug/L	50	47.7	95	54-137	
o-Xylene	ug/L	50	45.4	91	70-130	
Toluene	ug/L	50	45.2	90	80-126	
4-Bromofluorobenzene (S)	%			105	70-130	
Dibromofluoromethane (S)	%			99	70-130	
Toluene-d8 (S)	%			95	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1897287 1897288 MS MSD 40190620002 Spike MS MSD MS MSD % Rec Spike Max RPD Parameter Units Result Conc. Conc. Result Result % Rec % Rec Limits RPD Qual 20 E,M1, Benzene ug/L 901 50 50 738 908 -326 15 70-130 21 R1 15.6 50 70.7 77.3 20 Ethylbenzene ug/L 50 110 124 80-125 9 40.0 100 100 155 168 20 m&p-Xylene ug/L 115 128 70-130 8 <25.0 Methyl-tert-butyl ether 50 50 57.1 64.0 128 51-145 20 ug/L 114 11 o-Xylene 50 50 55.7 103 70-130 9 20 ug/L 4.0J 60.7 113 Toluene 50 50 53.1 106 20 ug/L <5.0 53.5 107 80-131 1 4-Bromofluorobenzene (S) % 99 105 70-130

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



Project: GRACE'S STORE Pace Project No.: 40190526

MATRIX SPIKE & MATRIX SP	IKE DUPL	ICATE: 1897	287		1897288	3						
			MS	MSD								
		40190620002	Spike	Spike	MS	MSD	MS	MSD	% Rec		Max	
Parameter	Units	Result	Conc.	Conc.	Result	Result	% Rec	% Rec	Limits	RPD	RPD	Qual
Dibromofluoromethane (S)	%						100	99	70-130			
Toluene-d8 (S)	%						102	95	70-130			

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



Project:	GRACE'S STORE								
Pace Project No.:	40190526								
QC Batch:	327591		Analysis Meth	od:	ASTM D2974-8	7			
QC Batch Method:	ASTM D2974-87		Analysis Desc	ription:	Dry Weight/Perc	ent Moisture			
Associated Lab Sar	nples: 401905260 401905260	01, 4019052600 08, 4019052600	02, 40190526003, 40 09, 40190526010	190526004,	40190526005, 4	40190526006	6, 401905	26007,	
SAMPLE DUPLICA	TE: 1902254								
			40190526002	Dup		Max			
Parar	neter	Units	Result	Result	RPD	RPD		Qualifiers	
Percent Moisture		%	25.2	26.	9	7	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.



Project:	GRACE'S STORE							
Pace Project No.:	40190526							
QC Batch:	327604		Analysis Meth	nod:	ASTM D2974-87	7		
QC Batch Method:	ASTM D2974-87		Analysis Desc	cription:	Dry Weight/Perc	ent Moisture		
Associated Lab Sar	nples: 401905260 401905260	11, 401905260 18, 401905260	12, 40190526013, 40 19)190526014,	40190526015, 4	0190526016,	, 40190526017,	
SAMPLE DUPLICA	TE: 1902289							
			40190526015	Dup		Max		
Parar	neter	Units	Result	Result	RPD	RPD	Qualifiers	
Percent Moisture		%		27.	8	4	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.



QUALIFIERS

Project: GRACE'S STORE

Pace Project No.: 40190526

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, percent moisture, initial weight and final volume.

LOQ - Limit of Quantitation adjusted for dilution factor, percent moisture, initial weight and final volume.

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.
- E Analyte concentration exceeded the calibration range. The reported result is estimated.
- HS Results are from sample aliquot taken from VOA vial with headspace (air bubble greater than 6 mm diameter).
- M1 Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
- R1 RPD value was outside control limits.
- W Non-detect results are reported on a wet weight basis.



QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project:	GRACE'S STORE
Pace Project No .:	40190526

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40190526001	1: 3-4	EPA 5035/5030B	326623	EPA 8260	326626
40190526002	1: 8-9	EPA 5035/5030B	326623	EPA 8260	326626
40190526003	2: 3-4	EPA 5035/5030B	326623	EPA 8260	326626
40190526004	2: 8 FT.	EPA 5035/5030B	326623	EPA 8260	326626
40190526005	3: 3-4	EPA 5035/5030B	326623	EPA 8260	326626
40190526006	3: 5-6	EPA 5035/5030B	326623	EPA 8260	326626
40190526007	3: 8-10	EPA 5035/5030B	326623	EPA 8260	326626
40190526008	4: 3-4	EPA 5035/5030B	326623	EPA 8260	326626
40190526009	4: 7-8	EPA 5035/5030B	326623	EPA 8260	326626
40190526010	5: 3-4	EPA 5035/5030B	326623	EPA 8260	326626
40190526011	5: 7-8	EPA 5035/5030B	326623	EPA 8260	326626
40190526012	6: 3-4	EPA 5035/5030B	326623	EPA 8260	326626
40190526013	6: 7-8	EPA 5035/5030B	326623	EPA 8260	326626
40190526014	7: 3-4	EPA 5035/5030B	326623	EPA 8260	326626
40190526015	7: 7-8	EPA 5035/5030B	326623	EPA 8260	326626
40190526016	8: 3-4	EPA 5035/5030B	326623	EPA 8260	326626
40190526017	8: 7-8	EPA 5035/5030B	326623	EPA 8260	326626
40190526018	9: 3-4	EPA 5035/5030B	326623	EPA 8260	326626
40190526019	9: 7-8	EPA 5035/5030B	326623	EPA 8260	326626
40190526020	MW-1	EPA 8260	326687		
40190526021	MW-2	EPA 8260	326687		
40190526022	MW-3	EPA 8260	326687		
40190526023	MW-4	EPA 8260	326450		
40190526024	MW-6	EPA 8260	326450		
40190526025	HOUSE	EPA 8260	326450		
40190526001	1: 3-4	ASTM D2974-87	327591		
40190526002	1: 8-9	ASTM D2974-87	327591		
40190526003	2: 3-4	ASTM D2974-87	327591		
40190526004	2: 8 FT.	ASTM D2974-87	327591		
40190526005	3: 3-4	ASTM D2974-87	327591		
40190526006	3: 5-6	ASTM D2974-87	327591		
40190526007	3: 8-10	ASTM D2974-87	327591		
40190526008	4: 3-4	ASTM D2974-87	327591		
40190526009	4: 7-8	ASTM D2974-87	327591		
40190526010	5: 3-4	ASTM D2974-87	327591		
40190526011	5: 7-8	ASTM D2974-87	327604		
40190526012	6: 3-4	ASTM D2974-87	327604		
40190526013	6: 7-8	ASTM D2974-87	327604		
40190526014	7: 3-4	ASTM D2974-87	327604		
40190526015	7: 7-8	ASTM D2974-87	327604		
40190526016	8: 3-4	ASTM D2974-87	327604		
40190526017	8: 7-8	ASTM D2974-87	327604		
40190526018	9: 3-4	ASTM D2974-87	327604		
40190526019	9: 7-8	ASTM D2974-87	327604		

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	Level III (billable)	C = Charcoal G O = O l S	W = Ground Water W = Surface Water	Ase						Invoice To Phone:							
	your sample	S = Soil W SI = Sludge W	W = Waste Water P = Wipe TION	Ana	2					CLIENT	LAB CO	OMMENTS	Pro				
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EP.	A Level IV DOT needed on S your sample SI	= Oil = Soil = Sludge	SW = Surface WW = Waste WP = Wipe	• Water Water	Analy	100								CLIENT	LAB	OMMENTS	Profile #
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		Al	l contai	iners n	eeding	; prese	rvatio	n have	been	checke La	ed and b Lot#	noted of pH	below: paper:	□Yes	□No	₽Ñ/A	•	Lab Si	td #ID	of pre	servati	on (if p)H adj	usted):					Initial comp	when leted:		Date/ Time:		Page
			(Glass						<u> </u>	Plast	ic					Vi	als				Jars		Ge	enera	·]	(>6mm) *	ଷ	Act pH ≥9	12	8	usted	Volume	
Pace Lab #	AGIU	AG1H	AG4S	AG4U	AGSU	AG2S	BG3U	BP1U	BP2N	BP2Z	BP3U	BP3B	BP3N	BP3S	DG9A	DG9T	VG9U	H69A	M69M	VG9D	JGFU	WGFU	WPFU	SP5T	ZPLC	S	VOA Vials	H2SO4 pH :	NaOH+Zn /	NaOH pH ≥	HNO3 pH ≤	pH after adj	(mL)	
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AG1U AG1H AG4S AG4U	1 lite 1 lite 125 r 120 r	r amb r amb nL an nL an	er glas er glas iber gl iber gl	is Is HC ass H ass ur	L 2SO4 1pres			BP BP BP BP	1U 2N 2Z 3U	1 liter 500 n 500 n 250 n	r plast nL pla nL pla nL pla	ic unp stic H stic N stic u	nes NO3 aOH, npres	Znact		DG DG VG VG	9A 9T 9U 9H	40 ml 40 ml 40 ml 40 ml	L amb L amb L clear L clear	er asc er Na r vial r vial	orbic Thio unpre: HCL	S		JG WG WP	FU FU FU	4 oz 4 oz 4 oz	amber clear j plastic	jar un ar unr ; jar un	npres ores npres					
AG5U AG2S BG3U	100 r 500 r 250 r	nL an nL an nL cle	nber gl nber gl ear gla:	ass ur ass H ss unp	npres 2SO4 pres			BP: BP: BP:	3B 3N 3S	250 n 250 n 250 n	nL pla nL pla nL pla	stic N stic H stic H	aOH NO3 2SO4			VG VG	9M 9D	40 ml 40 ml	_ clear _ clear	r vial r vial I	MeOI DI	ł		SP: ZP	ST LC GN:	120 r ziplo	nL pla c bag	stic N	la Thio	sulfat	e			

Pace Analytical Services, LL& 1241 Bellevue Street, Suite & Green Bay, WI 5430&

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Client Name:

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Sample Preservation Receipt Form Project #: <u>40(9054</u>

				Glass	5					1	Plast	ic					Vi	als				Jars		Ge	enera	1	× (mm)<	2	ct pH ≥9	12	2	Isted	Volume
Pace Lab #	AGIU	AG1H	AG4S	AG4U	AGSU	AG2S	BG3U	BP1U	BP2N	BP2Z	BP3U	BP3B	BP3N	BP3S	DG9A	DG9T	VG9U	НеЭл	M69M	UG9D	JGFU	WGFU	WPFU	SPST	ZPLC	GN	VOA Vials (H2SO4 pH ≤	NaOH+Zn A	NaOH pH ≥I	HNO3 pH ≤	pH after adju	(mL)
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F-GB-C-046-Rev.02 (29Mar2018) Sample Preservation Receipt Form

Para Analutical"	Docur Sample Conditio	nent Name: n Upon Receipt (SCUR)	Document Revised: 25Apr2018	
	Docu	ument No.:	Issuing Authority:	
1241 Bellevue Street, Green Bay, WI 54302	F-GB-C	US1-KEV.U/	Face Green bay Quality Office	
Sample C	ondition Upor	n Receipt Form (S	CUR)	
client Name: Meridian		Project #	0#:40190526	
ourier: 🗖 CS Logistics 🗗 Fed Ex 🔲 Speedee		/altco		
Client Pace Other:			190526	
racking #: 783 2 1048 10	173	-		
ustody Seal on Cooler/Box Present: 🔲 yes	no Seals intact:	🗖 yes 🗖 no	-	
Sustody Seal on Samples Present: Uyes Z n	o Seals intact:			
Coler Temperature Uncorr: PDC /Corr:	e Bags L None Type of Ice: Wet	Blue Dry None	Samples on ice, cooling process has begu	un
emp Blank Present: 🔲 yes 🔽 no	Biological 1	fissue is Frozen: 🔲 ye	S no Person examining conte	nts:
emp should be above freezing to $6^{\circ}C$. siota Samples may be received at $\leq 0^{\circ}C$.			Date:	Ħ
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ampler Name & Signature on COC:		4.	e e e Service Alexandro de la companya de	
amples Arrived within Hold Time:	ØYes □No	5.	•	
- VOA Samples frozen upon receipt	□Yes □No	Date/Time:		
hort Hold Time Analysis (<72hr):	□Yes ŹNo	6.		
ush Turn Around Time Requested:		7.		
Sufficient Volume:		8.	·	
For Analysis: D/Yes □No MS/MSD:			·	
Correct Containers Used:	ZYes □No	9.		
-Pace Containers Used:	ØYes □No □N/A			
-Pace IR Containers Used:				
Containers Intact:		10.		
iltered volume received for Dissolved tests		11.		-
Sample Labels match COC:		12.		
-Includes date/time/ID/Analysis Matrix:	SW			
rip Blank Present:		13.		
rip Blank Custody Seals Present			• /	
ace Trip Blank Lot # (if purchased):	·			
Client Notification/ Resolution:	Data	If check	ed, see attached form for additional commen	nts [
Comments/ Resolution:	Date/		<u>na seconda de la constante de</u>	
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Project Manager Review:	IXX		Date: / / / /	



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

August 08, 2019

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

RE: Project: GRACE'S Pace Project No.: 40192446

Dear Kenneth Shimko:

Enclosed are the analytical results for sample(s) received by the laboratory on August 06, 2019. 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: GRACE'S Pace Project No.: 40192446

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



SAMPLE SUMMARY

Project: GRACE'S Pa

ace Project No.:	40192446
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Lab ID	Sample ID	Matrix	Date Collected	Date Received
40192446001	33794	Water	08/01/19 00:00	08/06/19 09:35
40192446002	TRIP BLANK	Water	08/01/19 00:00	08/06/19 09:35



SAMPLE ANALYTE COUNT

Project:	GRACE'S
Pace Project No .:	40192446

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40192446001	33794	EPA 8260	LAP	12	PASI-G
40192446002	TRIP BLANK	EPA 8260	LAP	12	PASI-G



PROJECT NARRATIVE

Project: GRACE'S

Pace Project No.: 40192446

Method: EPA 8260

Description:8260 MSV USTClient:Meridian Environmental Consulting, LLCDate:August 08, 2019

General Information:

2 samples were analyzed for EPA 8260. 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.

Internal Standards:

All internal standards were within QC limits 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: GR	ACE'S
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Pace Project No.: 40192446

Sample: 33794	Lab ID:	40192446001	Collecte	d: 08/01/19	00:00	Received: 08	3/06/19 09:35 Ma	atrix: Water	
Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV UST	Analytical	Method: EPA 8	260						
Benzene	<0.25	ug/L	1.0	0.25	1		08/08/19 08:18	71-43-2	
Ethylbenzene	<0.22	ug/L	1.0	0.22	1		08/08/19 08:18	100-41-4	
Methyl-tert-butyl ether	<1.2	ug/L	4.2	1.2	1		08/08/19 08:18	1634-04-4	
Naphthalene	<1.2	ug/L	5.0	1.2	1		08/08/19 08:18	91-20-3	
Toluene	<0.17	ug/L	5.0	0.17	1		08/08/19 08:18	108-88-3	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		08/08/19 08:18	95-63-6	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		08/08/19 08:18	108-67-8	
m&p-Xylene	<0.47	ug/L	2.0	0.47	1		08/08/19 08:18	179601-23-1	
o-Xylene	<0.26	ug/L	1.0	0.26	1		08/08/19 08:18	95-47-6	
Surrogates		-							
Dibromofluoromethane (S)	94	%	70-130		1		08/08/19 08:18	1868-53-7	
Toluene-d8 (S)	95	%	70-130		1		08/08/19 08:18	2037-26-5	
4-Bromofluorobenzene (S)	89	%	70-130		1		08/08/19 08:18	460-00-4	
Sample: TRIP BLANK	Lab ID:	40192446002	Collecte	d: 08/01/19	00:00	Received: 08	3/06/19 09:35 Ma	atrix: Water	
Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV UST	Analytical	Method: EPA 8	260						
Benzene	<0.25	ug/L	1.0	0.25	1		08/08/19 07:55	71-43-2	
Ethylbenzene	<0.22	ug/L	1.0	0.22	1		08/08/19 07:55	100-41-4	
Methyl-tert-butyl ether	<1.2	ug/L	4.2	1.2	1		08/08/19 07:55	1634-04-4	
Naphthalene	<1.2	ug/L	5.0	1.2	1		08/08/19 07:55	91-20-3	
Toluene	<0.17	ug/L	5.0	0.17	1		08/08/19 07:55	108-88-3	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		08/08/19 07:55	95-63-6	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		08/08/19 07:55	108-67-8	
m&p-Xylene	<0.47	ug/L	2.0	0.47	1		08/08/19 07:55	179601-23-1	
o-Xylene	<0.26	ug/L	1.0	0.26	1		08/08/19 07:55	95-47-6	
Surrogates		č							
Dibromofluoromethane (S)	103	%	70-130		1		08/08/19 07:55	1868-53-7	
Toluene-d8 (S)	94	%	70-130		1		08/08/19 07:55	2037-26-5	
4-Bromofluorobenzene (S)	90	%	70-130		1		08/08/19 07:55	460-00-4	



QUALITY CONTROL DATA

Matrix: Water

Project: GRACE'S

Pace Project No.: 40192446

QC Batch: 329821 Analysis Method: EPA 8260 QC Batch Method: EPA 8260 Analysis Description: 8260 MSV UST-WATER

Associated Lab Samples: 40192446001, 40192446002

METHOD BLANK: 1913887

Associated Lab Samples: 40192446001, 40192446002

		Blank	Reporting		
Parameter	Units	Result	Limit	Analyzed	Qualifiers
1,2,4-Trimethylbenzene	ug/L	<0.84	2.8	08/07/19 07:53	
1,3,5-Trimethylbenzene	ug/L	<0.87	2.9	08/07/19 07:53	
Benzene	ug/L	<0.25	1.0	08/07/19 07:53	
Ethylbenzene	ug/L	<0.22	1.0	08/07/19 07:53	
m&p-Xylene	ug/L	<0.47	2.0	08/07/19 07:53	
Methyl-tert-butyl ether	ug/L	<1.2	4.2	08/07/19 07:53	
Naphthalene	ug/L	<1.2	5.0	08/07/19 07:53	
o-Xylene	ug/L	<0.26	1.0	08/07/19 07:53	
Toluene	ug/L	<0.17	5.0	08/07/19 07:53	
4-Bromofluorobenzene (S)	%	90	70-130	08/07/19 07:53	
Dibromofluoromethane (S)	%	107	70-130	08/07/19 07:53	
Toluene-d8 (S)	%	90	70-130	08/07/19 07:53	

LABORATORY CONTROL SAMPLE: 1913888

		Spike	LCS	LCS	% Rec	
Parameter	Units	Conc.	Result	% Rec	Limits	Qualifiers
Benzene	ug/L	50	43.5	87	70-130	
Ethylbenzene	ug/L	50	50.9	102	80-124	
m&p-Xylene	ug/L	100	105	105	70-130	
Methyl-tert-butyl ether	ug/L	50	43.9	88	54-137	
o-Xylene	ug/L	50	48.3	97	70-130	
Toluene	ug/L	50	51.2	102	80-126	
4-Bromofluorobenzene (S)	%			101	70-130	
Dibromofluoromethane (S)	%			95	70-130	
Toluene-d8 (S)	%			97	70-130	

MATRIX SPIKE & MATRIX SPIK	E DUPL	ICATE: 19138	889		1913890							
			MS	MSD								
		40192421001	Spike	Spike	MS	MSD	MS	MSD	% Rec		Max	
Parameter	Units	Result	Conc.	Conc.	Result	Result	% Rec	% Rec	Limits	RPD	RPD	Qual
Benzene	ug/L	<0.00025 mg/L	50	50	44.8	49.3	90	99	70-130	9	20	
Ethylbenzene	ug/L	<0.00022 mg/L	50	50	47.9	50.2	96	100	80-125	5	20	
m&p-Xylene	ug/L	<0.47	100	100	100	106	100	106	70-130	6	20	
Methyl-tert-butyl ether	ug/L	0.0027J mg/L	50	50	45.6	52.4	86	99	51-145	14	20	
o-Xylene	ug/L	<0.26	50	50	47.8	50.1	96	100	70-130	5	20	

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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QUALITY CONTROL DATA

Project: GRACE'S Pace Project No.: 40192446

MATRIX SPIKE & MATRIX SP	PIKE DUPL	ICATE: 1913	889		1913890							
			MS	MSD								
		40192421001	Spike	Spike	MS	MSD	MS	MSD	% Rec		Max	
Parameter	Units	Result	Conc.	Conc.	Result	Result	% Rec	% Rec	Limits	RPD	RPD	Qual
Toluene	ug/L	<0.00017 mg/L	50	50	45.8	51.5	92	103	80-131	12	20	
4-Bromofluorobenzene (S)	%						106	102	70-130			
Dibromofluoromethane (S)	%						97	98	70-130			
Toluene-d8 (S)	%						95	97	70-130			

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.



QUALIFIERS

Project: GRACE'S Pace Project No.: 40192446

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, percent moisture, initial weight and final volume.

LOQ - Limit of Quantitation adjusted for dilution factor, percent moisture, initial weight and final volume.

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



40192446001

40192446002

33794

TRIP BLANK

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Pace Project No.:	GRACE'S 40192446				
Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch

329821

329821

EPA 8260

EPA 8260

	(Please Print Clearly)			<u> </u>	-					UPP		T REGION		Page 1 of / _ç
Company Name	e: Merrylian E.C	<u>-</u>		\mathbf{r}	Para	Δn	ah <i>rtir</i>	al*		MN:	612-607-17	00 WI: 920-469-2436	4	$1/2$ du/l_{2}
Branch/Locatio	on:		1			www.p	uyu. acelabs	rCLI com					<u>10</u>	192990
Project Contact	" her shim!	6	1									Quote #:		0
Phone:	71583266	~S		(CH /	MN	OF	<u> - C</u>	<u>UST</u>	DD	/ <u> </u>	Mail To Contact:	Ken	Shinks
Project Numbe	r.		A=No	one B≠	HCL C=	H2SO4	*Preserv D=HNO	ation Cod 3 E=DI	les Water F=Me	thanol G=	NaOH	Mail To Company:	Me	ridian
Project Name:	Grace's		H=S	odium Bisu	lfate Solut	ion	i=Sodiu	m Thiosuli	fate J=Oth	97		Mail To Address:	771	IN ELOG
Project State:	WI		FILTE (YES	RED? S/NO)	Y/N		Γ				T		En) (sode , 11) T
Sampled By (Pr	rint): Ken Shi	ndto	PRESEF		Pick							Invoice To Contact:	rie	TTUNO
Sampled By (Si		104 (5	(00	UE)	Louor	1	1					Invoice To Company:		-3474L
PO #:	" IF J-	Regulatory			E -	l CB								
FU #.		Program:			sen	3						Invoice I o Address:		
Data Package (billable	e Options MS/MSD e) On your sample	Matri A = Air	W = Water		Rec	1 7								
EPA L	_evel III (billable)	B = Biota I C = Charcoal (DW = Drinki GW = Groun	ng Water Id Water	Ses	し ん						Invoice To Phone:		
🗖 EPA L	_evel IV NOT needed on your sample	S = Soil SI = Sludge N	WW = Sunac WW = Wast WP = Wipe	e Water	lah	2						CLIENT	LAB C	
PACE LAB #	CLIENT FIELD ID		CTION	MATRIX	•	d						COMMENTS	(Lab	Use Only)
N21	33794	<u> </u>		W		x								<u></u>
	Taa BI K											بلاج	1.51	m K I v all
Orr	Tip Dlank											N	1 m an	provener (26 and
													10 (0 010111707
														<u> </u>
					1.1.1									<u> </u>
														(X^
Rush Turna	around Time Requested - Prelin	ns Relinqu	uished By:	- /)		Dpt	e/Tinfe:	<u> </u>	Receive	d By: 1 P	Date/Time:	1_1	PACE Project No.
(Rush TA	T subject to approval/surcharge		17	1	2		8/-	5/14		<i>F</i>	Ed Ky	<u>c 8/5</u>	119	YOLANULL
Transmit Prelim	Date Needed: Rush Results by (complete what you w	Relinqu /ant):	iished By:	en 1	Ex		SILI	e/Lime:	0935	Receip		Date/Time:	rezs	<u> </u>
imail #1:		Relinqu	ished By:	<u></u>	~!~		Dat	e/Time:	<u>_</u>	Receive	d By:	Date/Time:		Receipt Temp = $(0)^{\circ}$
imall #2:		Delingu	ished Rv [.]				Det	e/Time:		Receive	1 Bv:	Data/Timer		Sample Receipt pH OK / Adjusted
ax:		r veiniqu												Cooler Custody Seal
Sam	ples on HOLD are subject to	Relinqu	ished By:				Dat	e/Time:		Received By: Date/Time:				Present / Not Present

Cl	ient	Nai	me:	÷	M.	er;	۲.	w		Ŧ	3E.		Sa	mpl	le P Pro	rese	erva t #	tio	n Re	ecei	pt F し	`orn YY	n '6		_						Pace A 1241 I	nalytica Bellevue Green	Il Services, LLC Street, Suite 9- Bay, WI 54302
		Al	l'cont	ainers	needin	g prese	ervatio	on have	e been	check	ed and	noted	below:	□Yes	□No	1 1/4	۱.	T.L.C		. 6					•				Initia	l when		Date/ Time	с Д
	<u> </u>							1		La	b Lot#	of pH	paper:	e Na se	T			Lab S	td #ID	of pre	servati	on (If]	pH adj	usted):			~		T			Tine.	1
				Glass	5				-		Plast	ic					Vi	als				Jars		Ge	enera	al	6mm) *		t pH ≥9			ted	
		laana		······································					{							•	Ŀ	تیــ	-	-			ا ح	Langanasaa			als (>	H ≤2	in Ac	I ≥12	₩ T	adjus	(mL)
Pace Lab #	AGIU	AG1H	AG4S	AG4U	AG5U	AG2S	BG3U	BP1U	BP2N	BP2Z	BP3U	BP3B	BP3N	BP3S	DG9A	DG9T	VG9U	VG9H	VG9N	VG9D	JGFU	WGFI	WPFI	SP5T	ZPLC	S	VOA Vi	H2SO4 p	NaOH+Z	NaOH pl	HNO3 pl	oH after	
001															- 14 B			3									1						2.5/5/10
002																		1															2.5 / 5 / 10
003																															April 19		2.5/5/10
004		\geq																															2.5/5/10
005																	1																2.5/5/10
006					Ϊ																												2.5 / 5 / 10
007						\geq									2004-001090			15355264695					70000000000			1000							2.5/5/10
008								\geq																									2.5 / 5 / 10
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011		5436570				 2005-2016											D19	1115	17	Statesti													2.5 / 5 / 10
012																\geq																	2.5/5/10
013																							Constantin										2.5/5/10
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018																										1							25/5/10
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020																																	2.5/5/10
Ex	centio	ns to n	oreserv	vation c	heck	VOA	Colif	orm T	ос т	ох т	он о	&G W	UDRC) Phen	olics	Other [.]				He	adspac	e in V	OA Vi	als (>6)	Ives	ΠNο	∩N/A	*If ves	look in	headsn	ace colu	mn
AG1U	1 lite	r amb	er ola	22				BP	111	1 lite	r nlast	ic unr	res			DG	9A	40 m	L amb	er asc	orhic			JG	FIL	4 07 9	mber	iar ur	inres		menusp		
AG1H	1 lite	r amb	er gla	ss HC	L			BP	2N	500 n	nL pla	stic H	NO3			DG	9T	40 m	L amb	er Na	Thio			WG	FU	4 oz o	lear j	ar unp	ores				
AG4S	125 r	nL am	nber g	lass H	2804	ļ		BP:	2Z	500 n	nL pla	stic N	aOH,	Znact		VG	9U	40 ml	L clea	r vial	unpres	3		WP	FU	4 oz j	olastic	; jar u	npres		5 ^{- 1}		
AG4U	120 r	nL am	iber g	lass u	npres			BP.	3U	250 n	ıL pla	stic u	ipres			VG	9H	40 ml	L clea	r vial	HCL	T		05		100				10			
AG5U AG2S	100 n 500 n	nL am	iber g	lass u lass H	npres	L		BP. RP	SR SN	250 n 250 n	1L pla	stic N stic H	aUH NO3			VG VC	9M 9D	40 ml 40 ml	L clea L clea	r vial . r vial :	MeOF DI	1	1	- SP: - 7 PI		120 n zinlov	1L pla	istic N	la Thic	osultate			
BG3U	250 n	nL cle	ar gla	ass un	pres			BP	38	250 n	nL pla	stic H	2804			T U		TV III		viai				Z.1 1	GN:	zihiot	, vag		an an an An an an An				

F-GB-C-046-Rev.02 (29Mar2018) Sample Preservation Receipt Form

Page 1 of \mathbf{Q}

	Docum	oent Name		
Pace Analytical	Sample Condition	n Upon Receipt (SCUR	Document Revised: 2	25Apr2018
	Docu	ment No.:	Issuing Autho	rity:
1241 Bellevue Street, Green Bay, WI 54302	P-GB-C	-031-Rev.07	Pace Green Bay Qua	
Sample	Condition Upor	n Receipt Form (SCUR)	
		Project #:		······
Client Name: Merilym E	. C.		JO#:4019	2446
Courier: 🗖 CS Logistics 🌈 Fed Ex 🔲 Speed	ee 🗖 UPS T W	altco		Articles .
Client Pace Other:	_			
Tracking #: 7889 331 24	969		192440	
Custody Seal on Cooler/Box Present: 🔲 yes	no Seals intact:			· · · · · · · · · · · · · · · · · · ·
Custody Seal on Samples Present: Lives /	no Seals intact:			
Thermometer Used SR - NA	Type of Ice: Wet	Blue Dry None	Samples on ice, cooling p	rocess has begun
Cooler Temperature Uncorr: RS) /Corr: -		BILINA	······································	3
Temp Blank Present: 🔽 yes 🎵 no	Biological T	issue is Frozen: 🔽	/es no Person e	xamining contents:
Temp should be above freezing to $6^{\circ}C$. Biota Samples may be received at $\leq 0^{\circ}C$.			Date: Initials:	philliph
Chain of Custody Present:	Yes No N/A	1. + CC		· .
Chain of Custody Filled Out:	□Yes DNO □N/A	2. Time, ver	\sim	5/6/19 R
Chain of Custody Relinquished:	□Yes ZNo □N/A	3. f.me		8/6/19 862
Sampler Name & Signature on COC:	Yes No N/A	4.		
Samples Arrived within Hold Time:	Yes No	5.		
- VOA Samples frozen upon receipt	□Yes □No	Date/Time:		······································
Short Hold Time Analysis (<72hr):	🗆 Yes 💋 No	6.		
Rush Turn Around Time Requested:	□Yes 7No	7		
Sufficient Volume:	ſ	8.		
For Analysis: Ves DNo MS/MS				
Correct Containers Used:	ØYes □No	9.		
-Pace Containers Used:	ØYes □No □N/A			
-Pace IR Containers Used:				
Containers Intact:	Yes No	10		
Filtered volume received for Dissolved tests		11.		
Sample Labels match COC:	□Yes ØNo □N/A	12. 10 0-14		
-Includes date/time/ID/Analysis Matrix:	<u> </u>	in the second	ant take at	816119 Pb
Trip Blank Present:		13. In Shup	near hab aac	ca
Page Trip Blank Custody Seals Present		Jour		BIQIUS
Client Notification/ Resolution:		IIf che	cked, see attached form for a	dditional comments
Person Contacted:	Date/	Time:		
Comments/ Resolution:				
				······
n na sana ang kana an	11/			~ ~
Project Manager Review:	EX		Date:7	-7-17
	110			

APPENDIX C

Nearby Potable Well Logs

Source	e: WEL	L CONSTRU	ICTION		QYIII	5	Department Of Natural Resou Madison, WI 53707	rces, Box 7921	(Rev 02/0	2)bw
Property Owner RI	UDOLPH, VE	RN		Teleph	one _	-	1. Well Location	De	pth 28	FT
Mailing 33 Address	3810 STATE H	HWY 21		ivuino			T=Town C=City V=Village T of BYRON	s.	Fire# 338	310
City CAM	IP DOUGLAS		State	VI Zip C	ode 5	4618	Street Address or Road Name 33810 HWY 21	and Number		a.
County of W 42 N	Well Location	Co V W	Well Permit No	Well	Completion Da September 8	ate , 2003	Subdivision Name	Lot#	Block #	
Well Constr	ructor		License #	Facility ID	O (Public)		Gov't Lot or SE 1/4 of S	E 1/4 of Section 1	3 T 18 N	I;R 1 I
Address		and the second	4553	Public We	ell Plan Approv	/al#	Latitude Deg.	Min.	*	
LANGE PL	LUMBING						Longitude Deg	Min.		ś
City NEW LISE	BON	State	Zip Code 53950	Date Of A	pproval		2. Well Type 2	(See item 12 belo	w) Lat/Lo	ong Metho
Ticap Perm	anent Well #	Commo	n Well #	Specific C	Capacity		1=New 2=Replacement	3=Reconstruction		
1					gpm/ft		of previous unique well #	constructed	d m	
Well Serv	ves # of he	omes and or			High Capa	city:	Reason for replaced or reconst WELL POINT FAILED	tructed Well?		,
P	(eg	: barn, restaurant, chu	irch, school, ind	lustry, etc.)	Property?	N	3 1-Drilled 2-Driven Point	2=Jatted 4=Other		
Is the well	located upslop	e or sideslope and not	downslope fro	m anv conta	mination source	ces, including	those on neighboring propertie	es? Y		
Well locate	d in floodplain	? N nearest: (including pr	coposed)	9. I	Downspout/ Ya	ard Hydrant	1	7. Wastewater Sum	р	
]	1. Landfill	non open (moradung pr	opcood)	10. 1	Privy		1	8. Paved Animal Ba	arn Pen	
> 22	2. Building (Overhang		11.]	Foundation Dr	ain to Clearv	vater 1	9. Animal Yard or S	Shelter	
> 25 3	3. 1=Sep	tic 2= Holding Tan	k	12. 1	Foundation Dr	ain to Sewer	2	20. Silo		
Δ	4. Sewage Al	bsorption Unit		13. 1	Building Drain	on or Plastic	2=Other	1. Barn Gutter		-
5	5. Nonconfor	ming Pit		14.]	Building Sewe	r 1=Grav	ity 2=Pressure 2	 Manure Pipe 1=Cast iron 	1=Gravity 2 1 or Plastic 2	=Pressur =Other
ϵ	6. Buried Ho	me Heating Oil Tar	ık	15 (1=Callector Serve	ast Iron or Pl	astic 2=Other 2	3. Other manure Sto	orage	
7	7. Buried Pet	roleum Tank		15. 1	Collector Sewe		m . diam. 2	4. Ditch	ante C	
8	8. 2 1=Shor	eline 2= Swimming	g Pool	16. (Clearwater Sur	mp	۷ 	.5. Other NR 812 W	aste Source	
Drillhole D	Dimensions an	d Construction Meth	hod d Drillhole	Lower O	pen Bedrock	Geology	8. Geolog Type, Caving/Noncaving, (gy Color, Hardness, etc.	From	To (ft)
ia.(in.) (ft	t) (ft)	1. Rotary - Mi	ud Circulation			I T	OPSOIL		0	1
		2. Rotary - Ai	r							
surfac	ce								1	25
		3. Rotary - Ai	r and Foam	nmer					25	25
		3. Rotary - Air 4. Drill-Thron 5. Reverse Rev	r and Foam ugh Casing Har otary	nmer		C_ C S_ S	AND		1 25	25 28
		3. Rotary - Air 4. Drill-Thro 5. Reverse R 6. Cable-tool	r and Foam ugh Casing Har otary Bitn. d	nmer ia		C_ C S_ S	AND	т.	1 25	25 28
		3. Rotary - Ai 4. Drill-Thro 5. Reverse R 6. Cable-tool 7. Temp. Out Removed	r and Foam ugh Casing Har otary Bit n. di er Casing _ ?	nmer ia in. dia	 depth ft.	C C s s	AND		25	25
		3. Rotary - Ai 4. Drill-Thro 5. Reverse R 6. Cable-tool 7. Temp. Oute Removed 9 Other	r and Foam ugh Casing Har otary Bit n. d er Casing _ ?	nmer ia in. dia	 depth ft.	C_ C s_ s	AND	т.	1 25	25
Casing Lin	ner Screen M	3. Rotary - Ai 4. Drill-Thro 5. Reverse R 6. Cable-tool 7. Temp. Out Removed 7 Other faterial Weight Spec	r and Foam ugh Casing Har otary Bit _ n. d er Casing _ ?	nmer ia in. dia From	 depth ft.		AND		1 25	25
Casing Lin Dia. (in.)	ner Screen Man	3. Rotary - Ai 4. Drill-Thro 5. Reverse R 6. Cable-tool 7. Temp. Oute Removed 6 Other faterial, Weight, Spec ufacturer & Method o	r and Foam ugh Casing Har otary Bit _ n. d er Casing _ ? ification f Assembly	nmer ia in. dia From (ft.)	depth ft. To (ft.)		LAY AND	т. 	25	25 28
Casing Lin ia. (in.)	ner Screen Man GALV STE	3. Rotary - Ai 4. Drill-Thro 5. Reverse R 6. Cable-tool 7. Temp. Oute Removed 6 Other faterial, Weight, Spec ufacturer & Method o EL	r and Foam ugh Casing Har otary Bit _ n. d er Casing _ ? ification f Assembly	nmer ia in. dia From (ft.) surface	 depth ft. To (ff.) 25		AND		1 25	25
Casing Lin Dia. (in.) 1.3	ner Screen Man GALV STE	 - 3. Rotary - Ai - 4. Drill-Thro - 5. Reverse R - 6. Cable-tool - 7. Temp. Oute Removed 6 Other faterial, Weight, Spec ufacturer & Method o EL 	r and Foam ugh Casing Har otary Bit _ n. d er Casing _ ? ification f Assembly	nmer ia in. dia From (ft.) surface	depth ft. To (ft.) 25		AND	т	1 25	25
Casing Lin Dia. (in.) 1.3	ner Screen M Man GALV STE	3. Rotary - Ai 4. Drill-Thro 5. Reverse R 6. Cable-tool 7. Temp. Oute Removed 6 Other faterial, Weight, Spec ufacturer & Method o EL	r and Foam ugh Casing Har otary Bit _ n. d er Casing _ ? ification f Assembly	nmer ia in. dia From (ft.) surface	depth ft. To (ft.) 25		AND	· · ·	1 25	25
Casing Lin Dia. (in.) 1.3	ner Screen Man GALV STE	3. Rotary - Ai 4. Drill-Thro 5. Reverse R 6. Cable-tool 7. Temp. Oute Removed 6 Other faterial, Weight, Spec ufacturer & Method o EL	r and Foam ugh Casing Har otary Bit _ n. d er Casing _ ? ification f Assembly	nmer ia in. dia From (ft.) surface	depth ft. To (ff.) 25		AND	· · · · · · · · · · · · · · · · · · ·	1 25	25
Casing Lip Dia. (in.) 1.3	ner Screen Man GALV STE	3. Rotary - Ai 4. Drill-Thro 5. Reverse R 6. Cable-tool 7. Temp. Oute Removed & Other faterial, Weight, Spec ufacturer & Method o EL	r and Foam ugh Casing Har otary Bit _ n. d. er Casing _ ? ification f Assembly	nmer ia in. dia From (ft.) surface	depth ft. To (ft.) 25	C_ C S_ S	Vater Level	11. Well Is:	1 25 12 in.	25 28
Casing Lin Dia. (in.) 1.3	ner Screen M Man GALV STE	3. Rotary - Ai 4. Drill-Thro 5. Reverse R 6. Cable-tool 7. Temp. Oute Removed 6 Other faterial, Weight, Spec ufacturer & Method o EL	r and Foam ugh Casing Har otary Bit _ n. d er Casing _ ? ification f Assembly	nmer ia in. dia From (ft.) surface	depth ft.	C_ C S_ S	AND Vater Level eet B ground surface A=Above B=Below	11. Well Is:	1 25 12 in.	25 28
Casing Lin Dia. (in.) 1.3	ner Screen M Man GALV STE	3. Rotary - Ai 4. Drill-Thro 5. Reverse R 6. Cable-tool 7. Temp. Oute Removed 7 Other faterial, Weight, Spec ufacturer & Method o EL	r and Foam ugh Casing Har otary Bit _ n. d er Casing _ ? ification f Assembly	nmer ia in. dia From (ft.) surface	depth ft. To (ff.) 25	C_ C S_ S 	Vater Level eet B ground surface A=Above B=Below	11. Well Is: Developed?	1 25 12 in. Y	25 28 A Grad A=Above B=Below
Casing Lin Dia. (in.) 1.3 Dia.(in.)	ner Screen Man GALV STE	3. Rotary - Ai 4. Drill-Thro 5. Reverse R 6. Cable-tool 7. Temp. Oute Removed 6 Other faterial, Weight, Spec ufacturer & Method o EL type, material & slot s STAINLESS 7 SLOT	r and Foam ugh Casing Har otary Bit _ n. d er Casing _ ? ification f Assembly	nmer ia From (ft.) surface From 25	depth ft. To 25	C_ C S_ S 	Vater Level eet B ground surface A=Above B=Below Fest level ft. below sur	11. Well Is: Developed? face Disinfected? Urs Canned?	1 25 12 in. Y Y Y	25 28 A Grad A=Above B=Below
Casing Liu Dia. (in.) 1.3 Dia.(in.) 1.3	ner Screen M Man GALV STE	 3. Rotary - Ai 4. Drill-Throi 5. Reverse Ri 6. Cable-tool 7. Temp. Outo Removed ' Other faterial, Weight, Spec ufacturer & Method o EL type, material & slot s STAINLESS 7 SLOT 	r and Foam ugh Casing Har otary Bit _ n. d er Casing _ ? ification f Assembly	nmer ia in. dia From (ft.) surface From 25	depth ft. To 25	9. Static V 10.0 f Pumping Pumping Pumping Pumping	Vater Level eet B ground surface A=Above B=Below Test level ft. below sur ug at GP u notify the owner of the need f	11. Well Is: Developed? face Disinfected? Hrs Capped? o permanently abave	1 25 12 in. Y Y Y Y	25 28 A Grad A=Above B=Below
Casing Li Dia. (in.) 1.3 Dia.(in.) 1.3 Grout or C	ner Screen Man GALV STE	3. Rotary - Ai 4. Drill-Thro 5. Reverse R 6. Cable-tool 7. Temp. Out Removed 7 Other Material, Weight, Spec ufacturer & Method o FL type, material & slot s STAINLESS 7 SLOT Material	r and Foam ugh Casing Har otary Bit _ n. d er Casing _ ? ification f Assembly	nmer ia from (ft.) surface From 25	depth ft. To (ft.) 25 To 28 #	9. Static V 10.0 f Pumping Pumping Pumping Pumping	Vater Level Vater Level Verter Verter Vert	11. Well Is: Developed? face Disinfected? Hrs Capped? to permanently abance	1 25 12 in. Y Y Y Ion and fill a	25 28 A Grad A=Abovi B=Below
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Casing Liu Dia. (in.) 1.3 Dia.(in.) 1.3 Grout or C Method	ner Screen M Man GALV STE Screen 1 Other Sealing Kind of Se	3. Rotary - Ai 4. Drill-Thro 5. Reverse R 6. Cable-tool 7. Temp. Oute Removed 7 Other faterial, Weight, Spec ufacturer & Method o EL type, material & slot s STAINLESS 7 SLOT Material saling Material	r and Foam ugh Casing Har otary Bit _ n. d er Casing _ ? ification f Assembly ize	nmer ia From (ft.) surface From Tr (ft.) (f	To (ff.) 25 To 28 To 28 To 28	9. Static V 10.0 f 10. Pumping Pumping Pumping Pumping 12. Did yo unused wel If no, exp 13. Initials	Vater Level Vater Level Ver Level Vater Level Vater Level Vater Level Vater Level Vater Level Vater Level Set A=Above B=Below Test (level ft. below sur reg at GP u notify the owner of the need to ls on this property? Y lain of Well Constructor or Supervise Drill Big Operator (Mandatory)	11. Well Is: Developed? face Disinfected? Hrs Capped? to permanently abance sory Driller SEL unless same as above	1 25 12 in. Y Y V Ion and fill a Date Sig	25 28 A Grad A=Abov B=Belov

Additonal Comments? Owner Sent Label? Y

Variance Issued? More Geology? Batch 871

WISCONSIN UNIQUE WELL NUMBER Source: WELL CONSTRUCTION	N	(SJ010)	State of Wi-Private Water Syste Department Of Natural Resource Madison WI 53707	ems-DG/2 ces, Box 7921	Form 3300 (Rev 02/02	-77A !)bw
Property Owner RUDOLPH, VERN	T	elephor	^{ne} 608 -42	27 – 6538	1. Well Location	Dep	oth 28	FT
Mailing 33810 HWY 21 Address	1	unioci			T=Town C=City V=Village T of BYRON		Fire#	¥ .
City CAMP DOUGLAS State	WI	Zip Coo	de 5	4618	Street Address or Road Name a 33810 HWY 21 CAMP DOL	nd Number JGLAS		
County of Well Location Co Well Permi 42 MONROE W	it No	Well C	ompletion Da June 6, 20	ate)05	Subdivision Name	Lot#	Block #	
Well Constructor Licer STEPHEN LANGE 45	nse # Facil 53	lity ID (Public)		Gov't Lot Or SE 1/4 of SE	1/4 of Section 13	3 T 18 N;	r 1 E
Address LANGE PLUMBING	Publ	ic Well	Plan Approv	/al#	Latitude Deg. Longitude Deg	Min. Min.		
City State Zip Cod NEW LISBON WI 53950	le Date	Of Ap	proval		2. Well Type 2	(See item 12 below	v) Lat/Lon	g Method
Hicap Permanent Well # Common Well #	Spec	ific Cap	pacity		1=New 2=Replacement of previous unique well #	3=Reconstruction constructed	in	
Wall Serves # of homes and or			gpm/n	oitre	Reason for replaced or reconstr	ucted Well?		
P (eg: barn, restaurant, church, schoo	l, industry,	etc.)	Well?	N	PLUGGED POINT			
1=Munic O=OTM N=NonCom P=Private Z=Other X=NonPot A=Anode L	-=Loop H=Dri	illhole	Property?	N	2 1=Drilled 2=Driven Point 3	J=Jetted 4=Other	÷., ·	
Is the well located upslope or sideslope and not downslope Well located in floodplain? N	e from any	9. Do	ination source wnspout/ Ya	ces, including ard Hydrant	those on neighboring properties	3? Y V. Wastewater Sump)	
stance in feet from well to nearest: (including proposed)		10. Pr	ivy		18	. Paved Animal Bar	rn Pen	
 2 2 Building Overhang 		11. Fo	oundation Dr	ain to Clearv	vater 19	. Animal Yard or Sl	helter	
 25.3. 1=Septic 2= Holding Tank 		12. Fo	oundation Dr.	ain to Sewer	20	. Silo		
4. Sewage Absorption Unit		13. Bı	uilding Drain	l	2=Other 21	. Barn Gutter		
5. Nonconforming Pit		14. Bi	uilding Sewe	r 1=Grav	2=Other 22 ity 2=Pressure 22	. Manure Pipe 1 1=Cast iron	=Gravity 2=]	Pressure Other
6. Buried Home Heating Oil Tank			1=Ca	ast Iron or Pl	astic 2=Other 23	. Other manure Stor	rage	ouloi
7. Buried Petroleum Tank		15. Co	ollector Sewe	er: units	in . diam. 24	. Ditch		
8. 2 1=Shoreline 2= Swimming Pool		16. Cl	earwater Sur	mp	25	. Other NR 812 Wa	ste Source	
Drillhole Dimensions and Construction Method From To Upper Enlarged Drillhole ia (in) (ft) (ft)	Lov	wer Ope	en Bedrock	Geology Codes	8. Geolog Type, Caving/Noncaving, C	y olor, Hardness, etc	From (ft.)	To (ft.)
					OPSOIL		0	1 🔺
surface 3. Rotary - Air and Foam	1		· ·	C C	LAY		1	25
4. Drill-Through Casing	g Hammer			S_ S	AND		25	28
6. Cable-tool Bit_	n. dia					r		
7. Temp. Outer Casing	_ in. d	lia	depth ft.					
Other								
Casing Liner Screen Material, Weight, Specification	F	rom	То					-
Dia. (in.) Manufacturer & Method of Assembly	y (1	ft.)	(ft.)	<u> </u>		1		
1.3 GAL STEEL	sur	face	25		· · · ·			
			2					
				9. Static V	ater Level	11. Well Is:	12 in	A Grade
				f	eet ground surface		т <u>2</u> ш. 7	A=Above
9	×			10. Pump	A=Above B=Below	Developed?	Y B	=Below
Dia.(in.) Screen type, material & slot size	Fre	om	То	Pumping	level 11.0 ft. below surfa	ace Disinfected?	Y	
1.3 STAINLESS STEEL SLOTTED		25	28	Pumpir	g at 7.0 GP M H	Irs Capped?	Y	
Grout or Other Sealing Material			#	12. Did you	a notify the owner of the need to s on this property? Y	permanently abando	on and fill all	
Method	From	То	Sacks	If no, expl	ain			
Kind of Sealing Material	(ft.)	(ft.)	Cement	13. Initials	of Well Constructor or Superviso	ry Driller	Date Signe	ed
	surface			Initials of I	Drill Rig Operator (Mandatory un	SEL	6. Date Signe	ed
						JM		
dditonal Comments? Variance Issued?					19816945	Batch	983	
The solution is the solution of the solution o								

STPETERS LUTHERAN CHURCH PARS Tellphone 566 -427 -311 h. With Leading With and the set of Number of	WISC Sourc	ONSIN UNIQUE WELL NUMBE e: WELL CONSTRUCTIO	R DN		SF949	9	State of Wi-Private Water Systems-I Department Of Natural Resources, H Modicon, WI, 53707	DG/2 Box 7921	Form 3300 (Rev 02/02)-77A 2)bw
Bindling Por BOX 228 Toron C-CCD, W-V3/Bare Fired 33468 Bindle Control State Y/P Frade 54618 State / WY 21 Fired 33468 Bindle Control Co Well Zemith XX Well Comptense Take May 25, 2005 State / WY 21 Edd State / WY 21 Bindle State Locase # Faculty D/Paking Locase # Faculty D/Paking Locase / Faculty D/Paking Locase / Faculty D/Paking Lel Construction Locase # Faculty D/Paking Pacific State / Pacific State Min. Locase / Faculty D/Paking Lel Construction Locase # Faculty D/Paking Pacific State / Pacific State Min. Locase / Pacific State / Pacific State State / Torons and or Egen / Faculty D/Paking Specific Capacity Pacific State / Pacific State Pacific S	Property Owner S	PETERS LUTHERAN CHURCH PAR	s	Telepho	one 608 =4	27 - 3114	1. Well Location	De	pth 29	FT
Since CAMP DOUGLAS Sinter Sinter Sinter Since Address or Road Name and Number State Carty of Val Location Co Well Primit No Well Completion Due May 25 2005 Sindicate Primit No Main Location Primit No Laff Block # Cart Carterovar Locate P Facility D (Pablic) Cart Latinus Deg. Min. Location P Sindicate Deg. Min. Location P Sindicate Deg. Min. Location P Sindicate Prime Point P Content of P Content P Conten	Mailing PC Address	D BOX 283	6	Trumoe	•		T=Town C=City V=Village T of BYRON	2	Fire# 334	58
Comput of Vali Location Co Weil Permit No Weil Completion Date May 25, 2005 Solidiorsion Name Loff Block # Cell Constructor Hacking ID (Challer) Active Valified Date of Approval Cell Lot OF SW 1/4 of SE 1/4 of Section 13 T 18 NR 1 Call Constructor Active Valified Date of Approval Cell Lot OF SW 1/4 of SE 1/4 of Section 13 T 18 NR 1 Call Constructor Stabilization Constructor Specifie Corporation Cell Lot OF SW 1/4 of SE 1/4 of Section 13 T 18 NR 1 Call Constructor Stabilization Constructor Particle Constructor Cell Lot OF SW 1/4 of SE 1/4 of Section 13 T 18 NR 1 Call Constructor Stabilization Constructor Stabilization Constructor Cell Lot OF SW 1/4 of SE 1/4 of Section 13 T 18 NR 1 Call Constructor Stabilization Constructor Stabilization Constructor Cell Lot OF SW 1/4 of SE 1/4 of Section 13 T 18 NR 1 Call Constructor Cell Constructor Stabilization Constructor Cell Lot OF SW 1/4 of SE 1/4 of Section 13 T 18 NR 1 Call Constructor Cell Constructor Stabilization Constructor Cell Constructor Call Constructor Stabilization Constructor Number 1/4 of SE 1/4 of Section 1 Cell Constructor Call Constructor Stabil	City CAM	P DOUGLAS	ate W	/I Zip Co	ode 5	54618	Street Address or Road Name and N STATE HWY 21	lumber	6	an a
cell Constructor Learner 4 Pachicy D (Public) Gov'Lot. 0P SW 1/4 of SE 1/4 of Seation 13 T 18 NR 1 LEISONS FLEG & ELEC INC 42 Public Well Plan Approval Latitude Deg. 0P SW 1/4 of SE 1/4 of Seation 13 T 18 NR 1 Lettinde Deg. 0P SW 1/4 of SE 1/4 of Seation 13 T 18 NR 1 Latitude Deg. 0P SW 1/4 of SE 1/4 of Seation 13 T 18 NR 1 Linding Deg. Min. Longindo Deg. Min. Longindo Deg. Min. Longindo Deg. Min. S209 HWY 12 Saace 2 of Other Station 13 T 18 NR 1 Latitude Deg. Min. Longindo Deg. Min. S209 HWY 12 Saace 2 of Other Station 13 T 18 NR 1 Latitude Deg. Min. Longindo Deg. Min. S209 HWY 12 Saace 2 of Other Station 12 Def. 1 Provisou statige well =	County of V 42 N	Vell Location Co Well Per IONROE W	rmit No	Well	Completion D May 25, 2	Date 005	Subdivision Name	Lot#	Block #	
Number of Lob at LLC undor	Well Constr	uctor Li	cense #	Facility ID	(Public)		Gov't Lot or SW 1/4 of SE 1/4	of Section 1	3 T 18 N	;r 1 E
State State State Charlow Date Of Approval Zero Late Common Weil # Common W	Address	// 12	42	Public We	ll Plan Approv	val#	Latitude Deg. Longitude Deg	Min. Min.		
OMAH Will Will Specific Capacity granth Deep Permanent Well # Commo Well # Specific Capacity granth Commo Well # Com	City	State Zip C	Code	Date Of A	pproval		2. Well Type 1 (Se	e item 12 belov	w) Lat/Lor	ng Metho
Well Serves # of homes and or (g) bm, returnant, church, school, industry, etc.) P High Capacity. (Well Network in Provide 2-Other in the Communition sources, including those on neighboring properties? Y Reason for replaced or resonstructed Well? Main 0-007L Network in Provide 2-Other in the Communition sources, including those on neighboring properties? Y 1	TOMAH Hicap Perm	anent Well # Common Well	#	Specific Ca	apacity		1=New 2=Replacement 3=F of previous unique well #	Reconstruction	1 in	
Property P Poperty? 1	Well Serv	es # of homes and or	nool ind	ustry etc.)	High Capa	acity: N	Reason for replaced or reconstructed	l Well?		
is the well located upshape or sideslope and not downslope from any contamination sources, including those on neighboring properties? Y many contamination sources, including those on neighboring properties? Y many contamination sources, including those on neighboring properties? Y many contamination sources, including those on neighboring properties? Y many contamination sources, including those on neighboring properties? Y many contamination sources, including those on neighboring properties? Y many contamination sources, including those on neighboring properties? Y many contamination sources, including those on neighboring properties? Y many contamination sources, including those on neighboring properties? Y many contamination sources, including those on neighboring properties? Y many contamination sources, including those on neighboring properties? Y many contamination sources, including those on neighboring properties? Y many contamination sources, including the properties? Y many contamination sources, including the properties? Y many contamination sources, including the properties? Y many contamination sources and property	۳ M=Munic O=O	TM N=NonCom P=Private Z=Other X=NonPot A=Anoc	ie L=Loop	H=Drillhole	Property?	N	1 1=Drilled 2=Driven Point 3=Jet	ted 4=Other		
Viail leading in moderation 29 12 waterwater Sump 12 2. Building Overhang 11. Foundation Drain to Clearvater 19. Animal Yard or Shelter 12 2. Building Overhang 11. Foundation Drain to Clearvater 19. Animal Yard or Shelter 13 11. Foundation Drain to Sever 20. Sho 60 4. Sewage Absorption Unit 20. Shilding Sever 20. Shilding Sever 7. Buried Pertoleum Tank 11. Gravity 2-Pressure 11. Gravity 2-Pressure 13. Cleater on or Plastic 2-Other 20. Other NR 812 Waste Source 20. Other NR 812 Waste Source 20. Other NR 812 Waste Source 21. Burding Cover Tank 15. Collector Sever:	Is the well	located upslope or sideslope and not downsl	lope from	n any contai	mination sour	ces, includin	g those on neighboring properties?	Y		
5280 1. Landfill 10. Fury 16. Foundation Drain to Clearwater 19. Animal Yand Path Pen 12 2. Building Overhag 13 11. Foundation Drain to Clearwater 19. Animal Yand Pen 12 3. Building Overhag 13 11. Foundation Drain to Clearwater 19. Animal Yand Pen 12 4 5. Nonconforming Pit > 35 14. Building Drain 1 20. Sio 12 5. Nonconforming Pit > 35 14. Building Drain 1 20. Sio 12 6. Building Drain 4 11. Creast into or Plastic 2=Other 11. Creast into or Plastic 2=Other 11. Deate Inon or Flastic 2=Other 11. Creast into or Plastic 2=Other 20. Other MR 312 Waste Source 11. India for 1 10. Surface 29 -3. Reary - Air and Roam -2. Reary - Air and Roam - - - - - - - - - - Rearrow Animal Stan Pen - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - <td>Well locate istance in fe</td> <td>et from well to nearest: (including proposed)</td> <td>) ></td> <td>129. D</td> <td>ownspout/ Y:</td> <td>ard Hydrant</td> <td>17. Wa</td> <td>astewater Sump</td> <td>p</td> <td></td>	Well locate istance in fe	et from well to nearest: (including proposed)) >	129. D	ownspout/ Y:	ard Hydrant	17. Wa	astewater Sump	p	
12 11. Foundation Dram to Evaluation Dram to Evaluation to Sever 10. Silo 64 5. Several Absorption Unit 20 13. Building Drain in Sever 20. Silo 6 4. Several Absorption Unit 1-Cast Iron or Plastic 2-Other 21. Barn Guiter 7. Buried Home Heating Oil Tank 5 Collector Sever:	> 5280	I. Landfill		10. r 13.11 t	Tivy	rain to Clear	18. Pa	ved Animal Ba	rn Pen	۰
46 3. 1-Septic 2= Holding Tank > 20 1.5 Building Drain 1 20 5.00 60 4. Sewage Absorption Unit > 20 1.5 Building Drain 1 20 5.00 5. Nonconforming Pit > 35 1.4 Building Sewer 20 5.00 6. Buried Home Heating Oil Tank 1.1 -Cast Iron or Plastic 2=-Other 20 5.00 7. Buried Petroleum Tank 15. Collector Sewer. units 20.01 8. 1 1-Schoreline 2= Swimming Pool 15 16. Clearvaire Sump 20.01 20.01 7. 10. Upper Enlarged Drillole Lower Open Bedrock Collector Sewer. Colles 10.0 10. surface 29 -3. Rony - Air 15.0 Collector Simp 0.0 1 10. surface 29 -3. Rowny - Air and Foam 0.0 1 6 1 1 0.0 1 1 6 1.2 Cole onlo Bin n. dia 0.1 1 1 1 1 0.0 1 1 1 1 1 1 1 1 1 1 1	12 2	2. Building Overhang		10 11. 1	Foundation Dr	rain to Server		limal Yard or S	neiter	
60 4. Sevage Absorption Unit > 16 19. Journal of an of the section of Plastic 2=Other 22. Manuel Series 5. Nonconforming Pit > 35 14. Building Sever 1 1=Gravity 2=Pressure 22. Manuel String Pie =Gravity 2=Pressure 6. Buried Home Heating Oil Tank 15. Collector Sever:intisin. diam. 20. Other manuel Storage 20. Other Manuel Storage 7. Buried Petroleum Tank 15. Collector Sever:intisin. diam. 24. Dirkd 20. Other manuel Storage 9. Tillholo Dimensions and Construction Method Lower Open Bedrock Geology 8. Geology 6. Other NB 812 Waste Source 10. Surface 29 - 2. Rotary - Air and Feam 1. Rotary - Mar Greating 0 1 6 10. Surface 29 - 2. Rotary - Air and Feam 7. Temp. Outer Casing in. dia	> 45 3	3. 1=Septic 2= Holding Tank	>	12. r 20 12 r	Vuilding Droit	n 1	20. 51	0		
5. Nonconforming Pit > 35 14. Building Sever 11-Gravity 2-Pressure 16-Caravity 2-Pressure 15. Collector Sever:	> 60 4	A. Sewage Absorption Unit		20 15. 1	1=Cast I	ron or Plastic	2=Other	rn Gutter		2
6. Buried Home Heating Oil Tank 1 l=Cast from or Plastic 2-Other 7. Buried Petroleum Tank 3. Other manues Storage 24. Ditch 8. 1 I=Shoreline 2= Swimming Pool 15 16. Clearwater Sump 25. Other NR 812 Waste Source Drillade Dimensions and Construction Method (m) (ft) I. Netway - Maid Circulation Lower Open Bedrock Geology 8. Geology From T - 2. Rotary - Air and Foam - 2. Rotary - Air and Foam - 1. Cost of Circulation 0 1 0 1 - 0. surface 29 - 4. Drill-Through Casing Hammer - 5. Reverse Rotary - 6. Cable-tool Bin_ n. dia - 1. Cost 0 1 6 - 7. Temp. Outer Casing in. (in.) Manufacturer & Method of Assembly From To To - 7. Temp. Outer Casing in. dia. - 4 - 0. WHEATLAND STEEL WELD PE 18.97LB surface 26	4	5. Nonconforming Pit	>	35 14. E	Building Sewe	er 1 1=Grav	ity 2=Pressure 22. Ma	anure Pipe 1=Cast iron	1=Gravity 2= or Plastic 2=	Pressur Other
7. Buried Petroleum Tank 15. Collector Sewer:untsm. diam. 24. Ditch 8. 1 I=Shoreline 2= Swimming Pool 15 16. Clearwater Sump 25. Other NR 812 Waste Source Drilhole Dimensions and Construction Method From Upper Enlarged Drilhole - 1. Rotary - Mid Circulation Lower Open Bedrock Geology 8. Geology Codes Type, Caving/Nonceving, Color, Hardness, etc. Prom T 0 surface 29 X - 4. Ditl-Through Casing Hammer - 5. Reverse Rotary - 6. Cable-tool Bir, dia - 1. dia 0 1 6 19 7. Term, Outer Casing Inter Screen Ares Natury - Air and Foam	e	5. Buried Home Heating Oil Tank			11=C	ast Iron or Pl	astic 2=Other 23. Other	her manure Sto	orage	11
8. 1 1=Shoreline 2 = Swimming Pool 15 16. Clearwater Sump 25. Other NR 812 Waste Source Drillhock Dimensions and Construction Method From To L(in) (ft) Lower Open Bedrock - 2. Rotary - Air	5	7. Buried Petroleum Tank		15. 0	Collector Sew	er: units	in . diam. 24. Dit	tch		
Sector Sector Sector From To 10 surface 29 1. Rotury - Mir de Circulation	8	8. 1 1=Shoreline 2= Swimming Pool		15 16. C	Clearwater Su	mp	25. Oth	her NR 812 Wa	aste Source	8
L(III) (III) -1. Audity - Multi Orientation 0 1 .0 surface 29 2. Rotary - Air ard Foam	Drillhole I Fr	Dimensions and Construction Method om To Upper Enlarged Drillh	ole	Lower Op	en Bedrock	Geology Codes	8. Geology Type, Caving/Noncaving, Color,	Hardness, etc	From (ft.)	To (ft.)
10 surface 29 -3. Rotary - Air and Feam	<u>ia.(m.)</u> (π	$\frac{1}{1}$ $\frac{1}$	liation -		_		OPSOIL		0	14
X - 4. Drill-Through Casing Hammer - 5. Reverse Rotary - 6. Cable-tool Bit in. dia - 7. Temp. Outer Casing in. dia - 7. Temp. Outer Casing in. dia Other -7. Temp. Outer Casing Casing Liner Screen Material, Weight, Specification fi. (in.) Maufacture & Method of Assembly Method MCLD PE 18.97LB A#53 surface 26	6.0 surfac	ce 29 -3 . Rotary - Air and Fo	oam			T_S_ B	ROWN SAND	×	. 1	6
5. Reverse Rotary 6. Cable-tool Bit_ n. dia		X 4. Drill-Through Cas	ing Han	nmer		ТСВ	ROWN CLAY		6	19
- 6. Cable-tool Bit_n. n. dia - 7. Temp. Outer Casing Removed ? in. dia depth ft. - 7. Temp. Outer Casing (in.) - 7. Temp. Outer Casing Removed ? in. dia depth ft. Other - 7. Temp. Outer Casing (ft.) From To 6.0 WHEATLAND STEEL WELD PE 18.97LB surface 26 A#53 - 7. Temp. Outer Casing (ft.) surface 26 9. Static Water Level 11. Well Is: 36 in. A Gr A=Abox 10.0 feet B ground surface A=Abox B=Below 10. Vell Is: 9. Static Water Level 10.0 Gett B ground surface A=Abox B=Below 10. Pump Test Pumping level 20.0 ft. below surface A=Abox B=Below Developed? Y 10. Pumping to 10.0 GP M 1.0 Hrs Capped? Y 12. Did you notify the owner of the need to permanently abandon and fill all unused wells on this property? N/A Tho, explain N/A # 8 BENTONITE surface 1 S 4 # 8 BENTONITE surface 1 S 4 # 11. Initials of Drill Rig Operator (Mandatory unless same as above) Date Signed 4 torus devel? Y Y 4 torus devel? 1 S		- 5. Reverse Rotary				TST			19	29
		6. Cable-tool Bit	n. dia	a						-25
Other Casing Liner Screen Material, Weight, Specification (ft.) From (ft.) To (ft.) To (ft.) To (ft.) 6.0 WHEATLAND STEEL WELD PE 18.97LB A#53 surface 26 0.1 A#53 surface 26 0.1 0.0 feet B ground surface A=Abox B=Belox 11. Well Is: 36 in. A Gra A=Abo 0.1 Screen type, material & slot size 5.0 From STAINLESS 10 SLOT To 26 29 Pumping level 20.0 ft. below surface Pumping at 10.0 GP M 1.0 Hrs Disinfected? Y Capped? Y 3Fout or Other Sealing Material Method MOUNDED WHEN DRIVING Kind of Sealing Material ft. (ft.) ft. ft. Sacks Cernent 1 Initials of Well Constructor or Supervisory Driller Date Signed # Surface 1 1 Signed 5/22/05 N/A 13. Initials of Drill Rig Operator (Mandatory unless same as above) Date Signed 5/22/05 MN 5/22/05 4 1 1 1 1 Signed 5/22/05 MN 5/22/05 4 1 1 1 1 1 1 Date Signed <td></td> <td> 7. Temp. Outer Casin Removed ?</td> <td>ng _</td> <td>in. dia</td> <td> depth ft.</td> <td></td> <td></td> <td></td> <td></td> <td></td>		7. Temp. Outer Casin Removed ?	ng _	in. dia	depth ft.					
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Image: static water laws Image: static w		A#53								
Dia.(in.) Screen type, material & slot size From To 5.0 STAINLESS 10 SLOT Z6 Z9 Brout or Other Sealing Material # Method MOUNDED WHEN DRIVING From To ft. (ft.) (ft.) Sacks Kind of Sealing Material # 1s #8 BENTONITE surface 1s ditonal Comments? Variance Issued? 1s More Genlogy? Variance Issued? 1s Methol Nore Genlogy? 19566023 Batch 974							-			
9. Static Water Level 11. Well Is: 36 in. A Grame in A Gra	1							R.		-
Image: Dia.(in.) Screen type, material & slot size From To 29 Image: Dia.(in.) Screen type, material & slot size From To 29 Pumping level 20.0 ft. below surface Developed? Y B=Below 5.0 STAINLESS 10 SLOT 26 29 Pumping at 10.0 GP M 1.0 Hrs Hrs Developed? Y B=Below Grout or Other Sealing Material # # Method MOUNDED WHEN DRIVING From To Sacks Sacks Hro, explain N/A Method MOUNDED WHEN DRIVING From To Sacks Cement Initials of Well Constructor or Supervisory Driller Date Signed #8 BENTONITE surface 1 S 1 S Initials of Drill Rig Operator (Mandatory unless same as above) Date Signed ditonal Comments? Variance Issued? More Geology? 19566023 Batch 974					* s	9. Static V	Vater Level	11. Well Is:	36 in.	A Grad
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Image: construction of the sealing Material Image: construction of the sealing	5.0	STAINLESS 10 SLOT		26	29	Pumpir	ng at 10.0 GP M 1.0 Hrs	Capped?	Y	
Method MOUNDED WHEN DRIVING From (ft.) To (ft.) To (ft.) Sacks Cement If no, explain N/A #8 BENTONITE surface 1 S 1 S Initials of Well Constructor or Supervisory Driller Initials of Drill Rig Operator (Mandatory unless same as above) Date Signed ditonal Comments? Variance Issued? More Geology? 19566023 Batch 974	Grout or (Other Sealing Material			#	12. Did yo	u notify the owner of the need to perm	nanently aband	on and fill all	
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WISCONSIN Source: W	UNIQUE WELL ELL CONSTR	NUMBER RUCTION	nor 2010 - 4	S	SF866		State of Wi-Private W Department Of Natura Madison, WI 53707	ater Systems al Resources,	s-DG/2 , Box 7921	Form 3 (Rev 02	300-77A 2/02)bw
Property Owner SHENNING	, JEFF		T N	elephone Jumber	^e 262 = 654	-3530	1. Well Location	1	De	eptn 41	
Mailing Address	EDITION AVE	2					T of BYRON		<u>)</u>	Fire#	33855
City CAMP DOUGL	LAS	State	wi	Zip Cod	e 546	618	Street Address or Roa	id Name and	Number		
County of Well Locati 42 MONROE	ion C	Co Well Permit N W	0	Well Co	mpletion Date May 13, 2004	e 4	Subdivision Name	5	Lot#	Block	#
Well Constructor		License	# Facil	lity ID (F	Public)		Gov't Lot or NE 1	1/4 of NE 1	/4 of Section	24 T 18	N;R 1
Address	ELEC INC	42	Publ	ic Well I	Plan Approval	#	Latitude	Deg.	Min.		
25269 HWY 12	100 U		1 doi:		uun rippio tui		Longitude	Deg	Min.		
City TOMAH	Stat W	te Zip Code 1 54660	Date	Of App	roval	8	2. Well Type	2 (8	See item 12 belo	ow) Lat	Long Meth
Hicap Permanent Well	I# Com	mon Well #	Spec	ific Cap	acity	*	1=New 2=Repl	lacement 3:	=Reconstruction	n L	
					gpm/ft		of previous unique w	'ell #	constructe	ed in	
3. Well Serves # c	of homes and or		6 2 2		High Capacit	ty:	Reason for replaced of POINT IN BASEME	r reconstruct	ed Well?		
P	(eg: barn, restaurant,	church, school, in	ndustry,	etc.)	Property? N		1 1-Drilled 2-Driv	ion Doint 2-I	attad 4-Othar		
4 Is the well located up	slope or sideslope and	not downslope fr	om anv	contami	nation sources	including	g those on neighboring	properties?	v		
Well located in floodp	blain? N	a proposed)	9	9. Dov	wnspout/ Yard	l Hydrant	E more on nergino or ing	17. V	Wastewater Sun	np	
1. Landfi	ll	g proposed)		10. Pri	vy			18. P	Paved Animal B	arn Pen	
9 2. Buildir	ng Overhang			11. Foi	indation Drain	n to Clearv	water	19. A	Animal Yard or	Shelter	
> 60 3. 1=5	Septic 2= Holding T	ank	40	12. Fou	Indation Drain	n to Sewer		20. S	Silo		
> 55 4. Sewage	e Absorption Unit		12	13. Bu	1=Cast Iron	or Plastic	2=Other	21. E	Barn Gutter	1-0	2 0
5. Noncor	nforming Pit	>	25	14. Bu	ilding Sewer	1 1=Grav	rity 2=Pressure	22. N	1=Cast iro	n or Plastic	2=Pressur 2=Other
6. Buried	Home Heating Oil	Tank		15. Col	1 1=Cast llector Sewer:	t Iron or Pl units	lastic 2=Other in diam.	23. C	Other manure St	torage	
7. Buried	Petroleum Tank			16. 60.				24. L	Jitch		
8. I=S	horaling I Suumm					22		25 0	Other NR 812 V	vaste Sourc	
	shorenne 2– Swimm	iing Pool		16. Cle	arwater Sump)		25. 0	Other NR 812 W	vaste Sourc	
5. Drillhole Dimensions From To	s and Construction M Upper Enlar	Ing Pool Iethod rged Drillhole	Lov	ver Oper	n Bedrock	Geology Codes	8. Type, Caving/Nond	25. C Geology caving, Color	Other NR 812 W	Vaste Sourc Fre	om To t.) (ft.
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Disperting ADDREWS, QUYATIN Tidenbare 068 = 427 = 6560 L. Will Location Depth 42 FT Mailing Cover Address State State Mailing Tot BYRON Fired Fired Carge CAMP DOUGLAS State Will Constitute April 12, 2000 Fired Fired Carge CAMP DOUGLAS State Will Constitute Fired Fired Fired Vell Construction Conv of Will Location Conv of Will Location Late Block # Vell Construction Lates Specific Capportal Conv of Will Location Conv of Will Location Fired State Specific Capportal Specific Capportal Evell Mile Mile ID (Philik) Conv of Will Construction Fired Carge Formance Will * Vell Construction Specific Capportal Evell Will Construction Fired Mail Latitude Deg Mail Mail Mail	Sourc	CONSIN UNIQUE WELL e: WELL CONST	L NUMBER		I	NZ223	3	State of Wi-Private Wa Department Of Natural Madison, WI 53707	ter Systems Resources,	s-DG/2 , Box 7921	Form 33 (Rev 02/	00-77A ′02)bw	
Mathem Thread and the second of	Property Owner A	NDREWS, QUYNTIN	а.	T	elephor	^{ne} 608 - 42	27 - 6580	1. Well Location		De	pth 42	, FT	
City CAMP DOUGLAS State W1 20 Code: 64612 State Market Authors of Noon Name and Nameder County of Well Location Convext Well Competition Date Address Lots State State <td< td=""><td>Mailing 1 Address</td><td>0085 FUNNEL DR</td><td></td><td></td><td></td><td></td><td></td><td>T of BYRON</td><td>Village</td><td></td><td>Fire#</td><td></td><td></td></td<>	Mailing 1 Address	0085 FUNNEL DR						T of BYRON	Village		Fire#		
Construction Construction Construction Construction Low Block # VMI Construction 255 Additional Completion Take Section Take Construction Construction <td< td=""><td>City CAN</td><td>IP DOUGLAS</td><td>State</td><td>WI</td><td>Zip Coo</td><td>le 5</td><td>4618</td><td>Street Address or Road 10085 FUNNEL DR</td><td>Name and</td><td>Number</td><td></td><td></td><td></td></td<>	City CAN	IP DOUGLAS	State	WI	Zip Coo	le 5	4618	Street Address or Road 10085 FUNNEL DR	Name and	Number			
Well Construction Lacence of Facility ID (Public) Conv Lot of NW 1/4 of NE 1/4 of Section 24 T 18 N;R 1 E PARAM HEEG 355 Address 255 Public Well Plan Approval# Latitud. Deg. Min. Longitude Dig. Min. Longitude Dig. Specific Capacity Itafitud. Deg. Min. JUBURNALE VM 54412 Specific Capacity Itafitud. Deg. Min. JUBURNALE VM 54414 Specific Capacity Itafitud. Deg. Min. Status Provide Status Specific Capacity Itafitud. Deg. Min. Status Specific Capacity gm/h Provide Status Construction Itafitud. Deg. Min. Status Status Status Provide Status Min. Status Status Status Provide Status Min. Status Provide Status Provide Status Provide Status Provide Stat	County of Y 42 M	Well Location	Co Well Permit I W	No	Well C	ompletion Da April 12, 20	ate 000	Subdivision Name		Lot#	Block #		
BRIAN HEEG 365 Desite Wall Plan Approvality Latitude Deg. Min. 6069 ECTY F Polic Wall Plan Approvality Longitude Deg. Min. 106 REMONDALE Will Screeck For Character F-based Common Wall # Specific Capacity Bringe Permanent Wall # Common Wall # Specific Capacity ggm/ft. Cost common Wall # Cost commo	Well Const	tructor	License	# Faci	lity ID (Public)		Gov't Lot or NW 1/2	4 of NE 1	/4 of Section 2	4 T 18	N;R 1	Е
Source State Zip Cold Date Of Approval Longitale Date Of Approval CABURMOALE Wit 54412 Date Of Approval 2. Well Type 2. Well Type 2. Well Type 2. Well Type Lat/Long Method 1 Note of Approval Specific Capacity gene Transmitter, the Application 1=New 2=Replacement 3=Reconstruction 1=New 2=Replacement 1=New 2=Replacement 3=Reconstruction 1=New 2=Replacement 3=Reconstruction 1=New 2=Replacement 3=Reconstruction 1=New 2=Replacement 3=Reconstruction 1=New 2=Replacement 1=New 2=Replacement 1=New 2=Replacement 1=New 2=Replacement 3=Reconstruction 1=New 2=Replacement 3=Reconstruction 3=Reconstruction<	BRIAN H	EEG	355	Dubl	ia Wall	Plan Approx	vo1#	Latitude D	eg.	Min.			
City State C2p/Code State C4 Aproval 2. Well Syste 2. Well S	5069 E C	TY F		r uoi	ic wen	r lan Approv	altt	Longitude D	eg	Min.			
Heap Permanent Well # Common Well # Specific Capacity grammand Common Well # Specific Capacity grammand Constructed in	City AUBURN	S DALE N	tate Zip Code WI 54412	Date	Of App	proval		2. Well Type	2 (S	See item 12 belo	w) Lat/L	long Meth	od
Bit Well Serves # of homes and or HOME Reson for replaced or reconstructed Well? Shade 0-07DK K-Standam P-homa 2-Oder X-Standam P-homas High Capacity: Well X-Main 0-07DK K-Standam P-homas 2-Oder X-Standam P-homas Reson for replaced or reconstructed Well? Shade 0-07DK K-Standam P-homa 2-Oder X-Standam P-homas High Capacity: Well K-Standam P-homas 2-Oder X-Standam P-homas Image: Comparison of the comparis	Hicap Pern	nanent Well # Co	ommon Well #	Spec	ific Car	bacity		of previous unique wel	1#	constructed	d in	terrent teter teter en andere e	
S. Weil Serves # Of DOME And DOME Filled approvements SAND POINT PLUGGED Weil No. Year N SAND POINT PLUGGED Weil No. Property N 1 1 SAND POINT PLUGGED Weil No. Property N 1 1 SAND POINT PLUGGED Weil No. Property N 1 1 Property N 1 SAND Point Sector Method apple or side space of side s	2 117-11 0		IOME			gpii/it		Reason for replaced or	reconstruct	ed Well?		_	
Methadic 0-0TM N=base or Sideslope and not downslope from any contamination sources, including those on neighboring properties? Y 4. Is the will located upslope or sideslope and not downslope from any contamination sources, including those on neighboring properties? Y Vell located in Neel Ib nearos: (including proposed) 1. Downspoul Yard Hydnatt 17. Vastewater Samp 1. Landfill 1. Esperic 2-Holding Tank 10. Privy 18. Paved Aximal Bam Pan 10. 4. Sewage Absorption Unit 1. Sperice 1-Holding Tank 12. Foundation Drain to Sever 20. Silo 1. Building Drain 1-Cast from or Plastic 2-Other 2. Mamer Pipe 1. Castro or Plastic 2-Other 2. Side determining Pit 14. Building Borin 1-Cast from or Plastic 2-Other 23. Other manuer Storage 3. Drafted Home Heating Oil Tank 1. Castron or Plastic 2-Other 23. Other manuer Storage 24. Dirkh 3. Drafted Home Heating Oil Tank 1. Castron or Plastic 2-Other 23. Other manuer Storage 24. Dirkh 3. Drafted Home Heating Oil Tank 1. Castrowater Samp 25. Other manuer Storage 26. Other RN 812 Waste Source 3. Drafted Home Heating Oil Tank 1. Castrowater Samp 25. Other manuer Storage 77. degrees 10. aurfice 17 4. Storage 39 Geology 5. Static Water Level 11. Well Ist: 12 in. A Grade 11. Manufacturer & Material	3. Well Ser	ves # of nomes and or r (eg: barn, restauran	it, church, school,	industry,	etc.)	Well?	N	SAND POINT PLUG	GED		Ŀ		
4. Is the well located upclope or sidelope and not downslope from any contamination sources, including those on neighboring properties? Y 9. Dewnspout Yard Hydrant 17. Wastewater Sump 1. Landfill 10. Priry 1. Landfill 11. Foundation Drain to Clearwater 19. Animal Barn Pen 1. Landfill 11. Foundation Drain to Sever 20. Sio 70 3. 1=Septic 2= Holding Tank 13. Building Drain 21. Barn Gutter 1. Sexwape Absorption Unit 13. Building Drain 21. Barn Gutter 2. Subred Pertoleum Tank 15. Collector Sever 23. Other manure Storage 6. Buried Home Heating Oll Tank 15. Collector Sever:	M=Munic O=C	OTM N=NonCom P=Private Z=Other X=	NonPot A=Anode L=I	oop H=Dr	illhole	Property?	Ν	1 1=Drilled 2=Driver	n Point 3=J	etted 4=Other	a de la companya de l		
Development and material and well of the sector of the	4. Is the well	l located upslope or sideslope an	nd not downslope f	rom any	contam	ination sourc	ces, including	g those on neighboring pr	roperties?	Y			
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39 2. Building Overhang 12. Foundation Drain to Sever 20. Silo 70 3. I =-Septic 2-Holding Tank 13. Building Drain 12. Foundation Drain to Sever 20. Silo 100 4. Sewage Absorption Unit 13. Building Drain 12. Foundation Drain to Sever 20. Silo 6. Buried Home Heating Oil Tank 15. Collector Sever units in . dian. 21. Barn Gutter 22. Manue Storage 7. Buried Petroleum Tank 15. Collector Sever units in . dian. 24. Dich 23. Other manues Storage 8. I =-Shoreline 2= Swimming Pool 16. Clearwater Sump 25. Other NR 812 Waste Source 20. Other manues Storage 5. Drillhole Dimensions and Construction Method Lower Open Bedrock Codes Sever 1 Prom To To 10.0 surface 17 42. -5. Reverse Rotary -6. Cable-tool Bit		1. Landfill			11. Fo	oundation Dra	ain to Clearv	vater	10. I 19. A	Animal Yard or S	Shelter		
100 3. 1 = Hoting 1 ank 13. Building Drain 21. Bam Gutter 100 4. Sewage Absorption Unit 14. Building Drain 21. Bam Gutter 5. Nonconforming Pit 14. Building Drain 21. Bam Gutter 6. Buried Home Heating Oil Tank 15. Collector Section or Plastic 2=Other 23. Other manue Storage 7. Buried Petroleum Tank 16. Clearwater Sump 23. Other manue Storage 5. Dillhole Dimensions and Construction Method Dia.(in). Lower Open Bedrock Goology 8. Geology From To 10.0 surface 17 -4. Drail Through Casing Hammer -5. Reverse Rolary -6. C. Casing Liner Screen 17. 42. -5. Reverse Rolary -6. -7. <td< td=""><td>35</td><td>2. Building Overhang</td><td>Territ</td><td></td><td>12. Fo</td><td>undation Dra</td><td>ain to Sewer</td><td></td><td>20. S</td><td>Silo</td><td></td><td></td><td></td></td<>	35	2. Building Overhang	Territ		12. Fo	undation Dra	ain to Sewer		20. S	Silo			
10 4. Schwage Aussighted Unit 1=Cast from or Plastic 2=Other 22. Manure Pipe 1=Gravity 2=Pressure 5. Donconforming Pit 14. Building Sever 1=Gravity 2=Pressure 22. Manure Pipe 1=Gravity 2=Pressure 6. Buried Home Heating Oil Tank 1:Cast Iron or Plastic 2=Other 23. Other manure Storage 7. Buried Petroleum Tank 16. Clearwater Sump 23. Other MR 812 Waste Source 8. 1=Shoreline 2= Swimming Pool 16. Clearwater Sump 23. Other MR 812 Waste Source 5. Drillhold Dimensions and Construction Method Dian (ft) Lower Open Bedrock Geology 8. Geology 8. Geology 8. Geology 8. Geology From To 10.0 surface 17 -2. Rotary - Air and Foam	100	4. Sewage Absorption Unit	Tank		13. Bı	uilding Drain			21. E	Barn Gutter			
6. Buried Home Heating Oil Tank 1 - Cast Iron or Plastic 2-Other 23. Other manue Storage 7. Buried Petroleum Tank 1 - Cast Iron or Plastic 2-Other 23. Other manue Storage 8. 1 - Shoretin 2 - Swimming Pool 16. Clearwater Sump 25. Other MR 812 Waste Source 3. Drillhole Dimensions and Construction Method Upper Charge Drilhole Lower Open Bedrock Geology 8. Geology Prom To 10.0 surface 17 -1. Rotary - Air and Foram	100	5 Nonconforming Pit			14 Br	1=Cast Iro	on or Plastic	2=Other	22. N	Manure Pipe	1=Gravity	2=Pressure	e
7. Buried Petroleum Tank 15. Collector Sewer:units in . diam. 24. Ditch 8. 1=Shoreline 2= Swimming Pool 16. Clearwater Sump 25. Other NR 812 Waste Source 5. Drilhole Dimensions and Construction Method Dia.(in.) (ft) Upper Ealarged Drilhole Dia.(in.) Lower Open Bedrock (ft) Geology Type, Caving/Noncaving, Color, Hardness, etc From (ft) To (ft) 10.0 surface 17 -3. Rotary - Air and Foam -3. Rotary - Air and Foam Codes Type, Caving/Noncaving, Color, Hardness, etc (ft) (ft) 6.0 17 42 -5. Reverse Rotary 6. Cable-tool Bit Removed ? in dia		6 Buried Home Heating Oi	1 Tank		14. Di	1=Ca	ast Iron or Pl	astic 2=Other	23. 0	1=Cast iron Other manure Sto	n or Plastic : prage	2=Other	
8. 1=Shoretine 2= Swimming Pool 16. Clearwater Sum 25. Other NR 812 Waste Source 5. Drillhole Dimensions and Construction Method From To Upper Enlarged Drillhole Ia.(in.) (ft) Lower Open Bedrock Upper Enlarged Drillhole I. Rotary - Air and Foam		7. Buried Petroleum Tank			15. Co	ollector Sewe	er: units	in . diam.	24. E	Ditch			
S. Drillhole Dimensions and Construction Method From To Upper Enlarged Drillhole Dia.(in.) (ft) (ft) -1. Rotary - Mud Circulation													
From To Upper Enlarged Drilliole Codes Type, Caving/Noncaving, Color, Hardness, etc (ft,) (ft,) Dia.(in.) (ft) (ft) (ft) (ft) (ft) (ft,)		8. 1=Shoreline 2= Swim	ming Pool		16. Cl	earwater Sun	np		25. C	Other NR 812 W	aste Source	:	
X - 2. Rotary - Air	5. Drillhole]	8. 1=Shoreline 2= Swim Dimensions and Construction	ming Pool Method	Lov	16. Cl	earwater Sun m Bedrock	np Geology	8.	25. C	Other NR 812 W	aste Source Fror	n To)
10.0 surface 17 -3. Rotary - Air and Foam	5. Drillhole l Fi Dia.(in.) (f	8. 1=Shoreline 2= Swim Dimensions and Construction rom To Upper End t) (ft) 1. Rotary	ming Pool Method larged Drillhole y - Mud Circulatio	Lov	16. Cle ver Ope	earwater Sun n Bedrock	np Geology Codes	8. Type, Caving/Nonca	25. C Geology wing, Color	Other NR 812 W r, Hardness, etc	faste Source From (ft.)	n To) (ft.)))
6.0 17 42	5. Drillhole I Fr Dia.(in.) (f	8. 1=Shoreline 2= Swim Dimensions and Construction rom To Upper End t) (ft) 1. Rotary X 2. Rotary	ming Pool Method larged Drillhole y - Mud Circulatio y - Air	Lov n	16. Cl	earwater Sun n Bedrock	np Geology Codes C_ C	8. Type, Caving/Nonca CLAY	25. C Geology wing, Color	Other NR 812 W	From (ft.) 0	n To) (ft.) 17))
6. Cable-tool Bitn. dia	5. Drillhole I Fr Dia.(in.) (f 10.0 surfa	8. 1=Shoreline 2= Swim Dimensions and Construction rom To Upper End t) (ft) 1. Rotary X 2. Rotary 3. Rotary 5. Rotary	ming Pool Method larged Drillhole y - Mud Circulatio y - Air	Lov n	16. Cle wer Ope	earwater Sun	np Geology Codes C_ C S_ S	8. Type, Caving/Nonca CLAY AND	25. C Geology wing, Color	Other NR 812 W	Fror (ft.) 0 17	n To) (ft.) 17 42)
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X Other PERCUSSION 6. Casing Liner Screen Material, Weight, Specification Dia. (in.) From (ft.) To (ft.) To (ft.) 6.0 ST STEEL ASTM A53B IPSCO USA WELDED JOINT surface 39 9. Static Water Level 17.0 feet B ground surface A=Above B=Below 11. Well Is: 12 in. A Grade A=Above B=Below Dia.(in.) Screen type, material & slot size 5.0 from 10 SLOT STAINLESS To 39 To 39 To 42 In Pump Test Pumping level 11. Well Is: 12 in. A Grade A=Above B=Below 7. Grout or Other Sealing Material Method From Kind of Sealing Material # # # 12. Did you notify the owner of the need to permanently abandon and fill all unused wells on this property? Y To acts Signed 13. Initials of Drill Rig Operator (Mandatory unless same as above) Date Signed	5. Drillhole J Fr Dia.(in.) (f 10.0 surfa 6.0	8. 1=Shoreline 2= Swim Dimensions and Construction rom To Upper End t) (ft) 1. Rotary X 2. Rotary 3. Rotary 4. Drill- 17 42 5. Reven 6. Cable-	ming Pool Method larged Drillhole y - Mud Circulatio y - Air	Lov n Hammer dia	16. Cl	n Bedrock	np Geology Codes CC SS	8. Type, Caving/Nonca LAY AND	25. C Geology ving, Color	Other NR 812 W	Fror (ft.) 0	n To) (ft.) 17 42) •
6. Casing Liner Screen Material, Weight, Specification Dia. (in.) From Manufacturer & Method of Assembly (ft.) To (ft.) 6.0 ST STEEL ASTM A53B IPSCO USA WELDED JOINT surface 39 9. Static Water Level 17.0 feet B ground surface A=Above B=Below 11. Well Is: 12 in. A Grade A=Above B=Below Dia.(in.) Screen type, material & slot size 5.0 To 39 5.0 10 SLOT STAINLESS 39 7. Grout or Other Sealing Material Method From To Sacks (ft.) To Sacks (ft.) Method From To Sacks (ft.) Saurface 13. Initials of Well Constructor or Supervisory Driller Date Signed 13. Initials of Drill Rig Operator (Mandatory unless same as above) Date Signed	5. Drillhole I Fr Dia.(in.) (f 10.0 surfa 6.0	8. 1=Shoreline 2= Swim Dimensions and Construction rom To Upper En t) (ft) 1. Rotary Acce 17 3. Rotary 4. Drill- 5. Reven 6. Cable- 7. Temp. Remo	ming Pool Method larged Drillhole y - Mud Circulatio y - Air y - Air and Foam Through Casing H rse Rotary -tool Bitn. Outer Casing outer Casing	Lov n Iammer dia in. c	16. Cl	earwater Sun n Bedrock 	np Geology Codes CCCSS	8. Type, Caving/Nonca LAY AND	25. C Geology ving, Color	Other NR 812 W	Fror (ft.) 0 17	m To) (ft.) 17 42) •
Dia. (in.) Manufacturer & Method of Assembly (ft.) (ft.) 6.0 ST STEEL ASTM A53B IPSCO USA WELDED JOINT surface 39 9. Static Water Level 11. Well Is: 12 in. A Grade A=Above B=Below Dia.(in.) Screen type, material & slot size 10 SLOT STAINLESS From 39 To 42 Pumping at 15.0 GP M 1.5 Hrs Capped? Y 7. Grout or Other Sealing Material Method From (ft.) To (ft.) % Sacks (ft.) # Initials of Well Constructor or Supervisory Driller Date Signed 13. Initials of Drill Rig Operator (Mandatory unless same as above) Date Signed	5. Drillhole J Fr Dia.(in.) (f 10.0 surfa 6.0	8. 1=Shoreline 2= Swim Dimensions and Construction rom To Upper End t) (ft) 1. Rotary X 2. Rotary 3. Rotary 4. Drill- 17 42 5. Reven 6. Cable- 7. Temp. Remot X Other PE	Method larged Drillhole y - Mud Circulatio y - Air	Lov n Iammer dia in. c	16. Cl	n Bedrock 	np Geology CodesCCSS	8. Type, Caving/Nonca LAY AND	25. C Geology vving, Color	Other NR 812 W	Fror (ft.) 0 17	n To) (ft.) 17 42))
6.0 ST STEEL ASTM A53B IPSCO USA WELDED JOINT surface 39 9 Static Water Level 11. Well Is: 12 in. A Grade 9. Static Water Level 17.0 feet B ground surface A=Above A=Above B=Below 10. Pump Test Pumping level 35.0 ft. below surface Disinfected? Y 5.0 10 SLOT STAINLESS 39 42 Pumping at 15.0 GP M 1.5 Hrs Capped? Y 7. Grout or Other Sealing Material # # Method From To Sacks (ft.) (ft.) Screen type, material # # 11. Initials of Well Constructor or Supervisory Driller Date Signed 13. Initials of Drill Rig Operator (Mandatory unless same as above) Date Signed BH 4/12/00	5. Drillhole I Fr Dia.(in.) (f 10.0 surfa 6.0 6. Casing Li	8. 1=Shoreline 2= Swim Dimensions and Construction rom To Upper En t) (ft) 1. Rotary 2. Rotary 3. Rotary 4. Drill- 5. Reven 6. Cable- 7. Temp. Remo X Other PE iner Screen Material, Weight,	Method larged Drillhole y - Mud Circulatio y - Air	Lov n Iammer dia in. c	16. Cl	n Bedrock - depth ft. To	np Geology Codes CCC SS	8. Type, Caving/Nonca LAY AND	25. C Geology ving, Color	Other NR 812 W	Fror (ft.) 0 17	m To) (ft.) 17 42)
Dia.(in.) Screen type, material & slot size From To 5.0 10 SLOT STAINLESS From To 39 42 Pumping level 35.0 ft. below surface Pumping at 15.0 GP M 1.5 Hrs Capped? Y 7. Grout or Other Sealing Material # # 12. Did you notify the owner of the need to permanently abandon and fill all unused wells on this property? Y If no, explain Method From To Sacks If no, explain It initials of Well Constructor or Supervisory Driller Date Signed Method surface Initials of Drill Rig Operator (Mandatory unless same as above) Date Signed	5. Drillhole J Fr Dia.(in.) (f 10.0 surfa 6.0 6. Casing Li Dia. (in.)	 8. 1=Shoreline 2= Swim Dimensions and Construction (por To Upper Enity) (ft) 1. Rotary (ft) 1. Rotary (ft) 2. Rotary 3. Rotary 4. Drill- 17 42 5. Reven 6. Cable- 7. Temp. Remot X Other period iner Screen Material, Weight, Manufacturer & Meth 	ming Pool Method larged Drillhole y - Mud Circulatio y - Air	Lov n Iammer dia in. c F (i	16. Cl	n Bedrock n Bedrock depth ft. To To 	np Geology Codes C C S S 	8. Type, Caving/Nonca ELAY AND	25. C	Other NR 812 W	Fror (ft.) 0 17	n To) (ft.) 17 42	
Dia.(in.) Screen type, material & slot size From To 9. Static Water Level 11. Well Is: 12 in. A Grade Dia.(in.) Screen type, material & slot size From 39 42 Pumping level 35.0 ft. below surface Developed? Y B=Below Dia.(in.) Screen type, material & slot size From 39 42 Pumping level 35.0 ft. below surface Developed? Y B=Below 7. Grout or Other Sealing Material # # 12. Did you notify the owner of the need to permanently abandon and fill all unused wells on this property? Y If no, explain Method From To Sacks If no, explain 13. Initials of Well Constructor or Supervisory Driller Date Signed BH 4/12/00 Initials of Drill Rig Operator (Mandatory unless same as above) Date Signed	5. Drillhole I Fr Dia.(in.) (f 10.0 surfa 6.0 6. Casing Li Dia. (in.) 6.0	8. 1=Shoreline 2= Swim Dimensions and Construction rom To Upper Eni t) (ft) 1. Rotary 2. Rotary 3. Rotary 3. Rotary 4. Drill- 5. Reven 6. Cable- 7. Temp. Remo X Other PE iner Screen Material, Weight, Manufacturer & Meth ST STEEL ASTM A53B IF WELDED JOINT	ming Pool Method larged Drillhole y - Mud Circulatio y - Air	Lov n Iammer dia in. c F ((16. Ch	earwater Sum n Bedrock depth ft. To (ft.) 39	np Geology Codes C C 	8. Type, Caving/Nonca LAY AND	25. C Geology ving, Color	Other NR 812 W	aste Source Fror (ft.) 0 17	n To) (ft.) 17 42	
9. Static Water Level 11. Well Is: 12 in. A Grade 12. Dia.(in.) Screen type, material & slot size From To 5.0 10 SLOT STAINLESS 39 42 Method From To Sacks (ft.) (ft.) (ft.) (ft.) surface surface If no, explain 13. Initials of Drill Rig Operator (Mandatory unless same as above) Date Signed	5. Drillhole I Fr Dia.(in.) (f 10.0 surfa 6.0 6. Casing Li Dia. (in.) 6.0	8. 1=Shoreline 2= Swim Dimensions and Construction rom To Upper Eni (ft) 1. Rotary X 2. Rotary 3. Rotary 4. Drill- 17 42 5. Rever 6. Cable- 7. Temp. Remo X Other PE iner Screen Material, Weight, Manufacturer & Meth ST STEEL ASTM A53B IF WELDED JOINT	ming Pool Method larged Drillhole y - Mud Circulatio y - Air	Lov n Iammer dia in. c F (: Surt	16. Cl	n Bedrock depth ft. To (ft.) 39	np Geology Codes C C _	8. Type, Caving/Nonca ELAY AND	25. C Geology ving, Color	Other NR 812 W	aste Source Fror (ft.) 0 17	n To) (ft.) 17 42	
A=Above A=Above A=Above A=Above Dia.(in.) Screen type, material & slot size From To To Pumping level 35.0 ft. below surface Developed? Y B=Below 5.0 10 SLOT STAINLESS 39 42 Pumping at 15.0 GP M 1.5 Hrs Capped? Y 7. Grout or Other Sealing Material # # It no, explain 12. Did you notify the owner of the need to permanently abandon and fill all unused wells on this property? Y It no, explain 13. Initials of Well Constructor or Supervisory Driller Date Signed Method surface Initials of Drill Rig Operator (Mandatory unless same as above) Date Signed	5. Drillhole I Fr Dia.(in.) (f 10.0 surfa 6.0 6. Casing Li Dia. (in.) 6.0	8. 1=Shoreline 2= Swim Dimensions and Construction rom To Upper En t) (ft) 1. Rotary 2. Rotary 3. Rotary 3. Rotary 4. Drill- 5. Rever 6. Cable- 7. Temp. Remo X Other PE iner Screen Material, Weight, Manufacturer & Meth ST STEEL ASTM A53B IF WELDED JOINT	ming Pool Method larged Drillhole y - Mud Circulatio y - Air	Lov n Iammer dia in. c F (; suri	16. Ch	n Bedrock depth ft. To (ft.) 39	np Geology Codes C C 	8. Type, Caving/Nonca LAY AND	25. C	Other NR 812 W	aste Source Fror (ft.) 0 17	n To) (ft.) 17 42	
Image: Distribution of Sealing Material From to of Sealing Material To the form the fo	5. Drillhole I Fr Dia.(in.) (f 10.0 surfa 6.0 6. Casing Li Dia. (in.) 6.0	8. 1=Shoreline 2= Swim Dimensions and Construction rom To Upper Eni t) (ft) 1. Rotary 2. Rotary 3. Rotary 4. Drill- 5. Reven 6. Cable- 7. Temp. Remo X Other PE iner Screen Material, Weight, Manufacturer & Meth ST STEEL ASTM A53B IF WELDED JOINT	Method larged Drillhole y - Mud Circulatio y - Air	Lov n Iammer dia in. c F (: ()	16. Ch ver Ope 	earwater Sum n Bedrock depth ft. To (ft.) 39	np Geology Codes C C S S 9. Static V 47.0 f	8. Type, Caving/Nonca ELAY AND	25. C	Dither NR 812 W r, Hardness, etc 11. Well Is:	aste Source Fror (ft.) 0 17 17 12 in.	n To) (ft.) 17 42)
Dia.(m.) Solidentitype, material & stor size From To To Solid History of the owner of the need to permanently abandon and fill all unused wells on this property? Y 7. Grout or Other Sealing Material # Method From To Sacks If no, explain Method From To Sacks (ft.) (ft.) Cement If no, explain 13. Initials of Drill Rig Operator (Mandatory unless same as above) Date Signed	5. Drillhole J Fr Dia.(in.) (f 10.0 surfa 6.0 6. Casing Li Dia.(in.) 6.0	8. 1=Shoreline 2= Swim Dimensions and Construction rom To Upper Eni t) (ft) 1. Rotary 2. Rotary 3. Rotary 4. Drill- 5. Rever 6. Cable- 7. Temp. Remo X Other PE iner Screen Material, Weight, Manufacturer & Meth ST STEEL ASTM A53B IF WELDED JOINT	ming Pool Method larged Drillhole y - Mud Circulatio y - Air	Lov n Jammer dia in. c F (; surr	16. Ch ver Ope 	earwater Sum n Bedrock depth ft. To (ft.) 39	np Geology Codes 	8. Type, Caving/Nonca ELAY AND Vater Level eet B ground surfa A=Above B=J	25. C Geology ving, Color	11. Well Is:	aste Source Fror (ft.) 0 17 17 12 in.	n To) (ft.) 17 42 42 A Grad A Grad A=Abov B=Below) de
7. Grout or Other Sealing Material # Method From To (ft.) Kind of Sealing Material (ft.) surface If no, explain 13. Initials of Well Constructor or Supervisory Driller Date Signed BH 4/12/00 Initials of Drill Rig Operator (Mandatory unless same as above) Date Signed	5. Drillhole J Fr Dia.(in.) (f 10.0 surfa 6.0 6. Casing Li Dia. (in.) 6.0	 8. 1=Shoreline 2= Swim Dimensions and Construction rom To Upper Enity (ft) 1. Rotary X 2. Rotary - 3. Rotary - 4. Drill- - 5. Reven - 6. Cable- - 7. Temp. Remotive X 2. Rotary - 4. Drill- - 5. Reven - 6. Cable- - 7. Temp. Remotive X 2. Rotary - 4. Drill- - 5. Reven - 6. Cable- - 7. Temp. Remotive X Other PE iner Screen Material, Weight, Manufacturer & Meth ST STEEL ASTM A53B IF WELDED JOINT 	ming Pool Method larged Drillhole y - Mud Circulatio y - Air	Lov n Iammer dia in. c	16. Cl	earwater Sum n Bedrock depth ft. To 39	np Geology Codes C C 	8. Type, Caving/Nonca ELAY AND Vater Level eet B ground surfa A=Above B=1 Test Level 25.0 ft bala	25. C Geology ving, Color	11. Well Is: Developed? Disinfected?	aste Source Fror (ft.) 0 17 17 12 in. Y	n To) (ft.) 17 42 42 A Grad A=Abov B=Belov)
7. Grout or Other Sealing Material # unused wells on this property? Y Method From (ft.) To (ft.) Sacks Kind of Sealing Material (ft.) (ft.) If no, explain 3. Initials of Well Constructor or Supervisory Driller Date Signed BH 4/12/00 Initials of Drill Rig Operator (Mandatory unless same as above) Date Signed	5. Drillhole I Fr Dia.(in.) (f 10.0 surfa 6.0 6. Casing Li Dia. (in.) 6.0 Dia.(in.) 5.0	 8. 1=Shoreline 2= Swim Dimensions and Construction rom To Upper Enity (ft) 1. Rotary x - 2. Rotary 3. Rotary 4. Drill-17 42 -7. Reven 6. Cable7. Temp. Remove X Other PE iner Screen Material, Weight, Manufacturer & Meth ST STEEL ASTM A53B IF WELDED JOINT Screen type, material & 10 SLOT STAINL 	ming Pool Method larged Drillhole y - Mud Circulatio y - Air y - Air and Foam Through Casing F rse Rotary -tool Bit Outer Casing byed ? ERCUSSION Specification hod of Assembly PSCO USA slot size LESS	Lov n lammer dia in. c F (: sur:	16. Cl. ver Ope 	earwater Sum n Bedrock depth ft. To 39 39	np Geology Codes C C S S 9. Static V 17.0 f 10. Pumping Pumping	8. Type, Caving/Nonca ELAY AND Vater Level eet B ground surfa A=Above B=1 Test level 35.0 ft. belo	25. C Geology ving, Color 	 Ther NR 812 W There is a straight of the straight of	aste Source Fror (ft.) 0 17 17 17 17 17 17 17 17 17 17 17 17 17	n To) (ft.) 17 42 42 A2 A2 A2 A2 A2 A2 A3 A3 A3 A3 A3 A3 A3 A3 A3 A3 A3 A3 A3))
Method From To Sacks If no, explain Kind of Sealing Material (ft.) (ft.) Cement 13. Initials of Well Constructor or Supervisory Driller Date Signed surface Initials of Drill Rig Operator (Mandatory unless same as above) Date Signed	5. Drillhole I Fr Dia.(in.) (f 10.0 surfa 6.0 6. Casing Li Dia. (in.) 6.0 Dia.(in.) 5.0	 8. 1=Shoreline 2= Swim Dimensions and Construction rom To Upper Enit (ft) 1. Rotary x 2. Rotary - 3. Rotary - 4. Drill- - 5. Rever - 6. Cable- - 7. Temp. Remo X Other PE iner Screen Material, Weight, Manufacturer & Meth ST STEEL ASTM A53B IF WELDED JOINT Screen type, material & 10 SLOT STAINLE 	ming Pool Method larged Drillhole y - Mud Circulatio y - Air	Lov n Iammer dia in. c F(() sur Sur Fro	16. Cl. ver Ope lia face 500 39	earwater Sum n Bedrock depth ft. (ft.) 39 39	np Geology Codes 	8. Type, Caving/Nonca ELAY AND Vater Level eet B ground surfa A=Above B=1 Fest level 35.0 ft. belo ng at 15.0 GP M u notify the owner of the	25. C Geology ving, Color uce Below ow surface 1.5 Hrs need to per	Iter NR 812 W r, Hardness, etc II. Well Is: Developed? Disinfected? Capped? rmanently aband	aste Source Fror (ft.) 0 17 17 17 17 17 17 17 17 17 17 17 17 17	n To) (ft.) 17 42 42 A Grad A Grad A=Abov B=Belov)
Surface Initials of Drill Rig Operator (Mandatory unless same as above) Date Signed	5. Drillhole I Fi Dia.(in.) (f 10.0 surfa 6.0 6. Casing Li Dia.(in.) 6.0 7. Grout or O	8. 1=Shoreline 2= Swim Dimensions and Construction rom To Upper Enit t) (ft) 1. Rotary 2. Rotary 3. Rotary 4. Drill- 5. Reven 6. Cable- 7. Temp. Remo X Other PE iner Screen Material, Weight, Manufacturer & Mett ST STEEL ASTM A53B IF WELDED JOINT Screen type, material & : 10 SLOT STAINL Other Sealing Material	ming Pool Method larged Drillhole y - Mud Circulatio y - Air	Lov n Iammer dia in. c F (i suri frc	16. Ch ver Ope lia face m 39	earwater Sum n Bedrock depth ft. To 39 70 42 	np Geology Codes C_ C S_ S 9. Static V 17.0 f 10. Pump in Pumping Pumping Pumping	8. Type, Caving/Nonca ELAY AND Vater Level eet B ground surfa A=Above B=1 Fest level 35.0 ft. below ag at 15.0 GP M u notify the owner of the ls on this property? Y	25. C Geology ving, Color 	11. Well Is: Developed? Disinfected? Capped?	aste Source Fror (ft.) 0 17 17 12 in. Y Y Y lon and fill a	n To) (ft.) 17 42 42 A Grad A=Abov B=Belov)
Initials of Drill Rig Operator (Mandatory unless same as above) Date Signed	5. Drillhole I Fr Dia.(in.) (f 10.0 surfa 6.0 6. Casing Li Dia.(in.) 6.0 7. Grout or C Method	 8. 1=Shoreline 2= Swim Dimensions and Construction rom To Upper Enity (ft) 1. Rotary X 2. Rotary 3. Rotary 3. Rotary 4. Drill-17 17 42 -5. Rever 6. Cable 7. Temp. Remo X Other PE iner Screen Material, Weight, Manufacturer & Meth ST STEEL ASTM A53B IF WELDED JOINT Screen type, material & 10 SLOT STAINL Other Sealing Material Kind of Sealing Material 	ming Pool Method larged Drillhole y - Mud Circulatio y - Air y - Air and Foam Through Casing F rse Rotary -tool Bitn . Outer Casing ved ? ERCUSSION Specification hod of Assembly PSCO USA slot size LESS	Lov n Iammer dia in. c F(: surri from (ft.)	16. Ch ver Ope lia face 0m 39 To (ff.)	earwater Sum n Bedrock depth ft. depth ft. 39 	np Geology Codes 	8. Type, Caving/Nonca ELAY AND Vater Level eet B ground surfa A=Above B=1 Test level 35.0 ft. belo ig at 15.0 GP M in notify the owner of the is on this property? Y ain	25. C Geology ving, Color 	11. Well Is: Developed? Disinfected? Capped? rmanently aband	aste Source Fror (ft.) 0 17 17 12 in. Y Y Y Ion and fill :	n To) (ft.) 17 42 42 A Grad A=Abov B=Belov all	de ve w
	5. Drillhole I Fr Dia.(in.) (f 10.0 surfa 6.0 6. Casing Li Dia. (in.) 6.0 7. Grout or C Method	8. 1=Shoreline 2= Swim Dimensions and Construction rom To Upper Enity (ft) 1. Rotary	ming Pool Method larged Drillhole y - Mud Circulatio y - Air y - Air and Foam Through Casing F rse Rotary -tool Bitn. Outer Casing end ? ERCUSSION Specification hod of Assembly PSCO USA slot size LESS	Lov n Iammer dia in. c F(() suri from (ft.) surface	16. Cli ver Ope 	earwater Sum n Bedrock depth ft. To 39 39 42 # Sacks Cement	np Geology Codes C_ C S_ S 9. Static V 17.0 f 10. Pump 7 Pumping Pumping Pumping 12. Did you unused well If no, expl 13. Initials of	8. Type, Caving/Nonca ELAY AND Vater Level eet B ground surfa A=Above B=1 Test level 35.0 ft. belo ig at 15.0 GP M u notify the owner of the is on this property? Y ain of Well Constructor or Su	25. C Geology ving, Color 	 Dther NR 812 W Hardness, etc Hardness, etc II. Well Is: Developed? Disinfected? Capped? rmanently aband Driller BH 	aste Source Fror (ft.) 0 17 17 17 17 17 17 17 17 17 17 17 17 17	n To) (ft.) 17 42 42 A Grad A=Abov B=Belov all gned 4/12/00)

e e segura e se s	
Well-Construction Report For	State of Wisconsin Department of Natural Resources
Property Owner Operation 2010 Telephone Number	2 / 2 / 2 / 2 / 2 / 2 / 2 / 2 / 2 / 2 /
Mailing Address for Baun	
City ISDX 13B	Zip Code [2] I. Location [Please type or print using a black pen.]
Tomah Wi.	54/660 of Biaron Grid or Street Address or Boad Name and Number (if synilable)
County of Well County Well Location Well Com Location	$\frac{1}{28} \frac{2}{27} \frac{2}{7} \frac{2}{7} \frac{1}{7} \frac{1}{7} \frac{3}{7} \frac{1}{7} $
Well Constructor (Business Name) Registration # 2.	M M D D Y Y Subdivision Name Lot # Block #
DE Robert Rush + Son's 5837	in correct 40-acre parcel of section. Gov't Lot # or \underline{NW} ¼ of \underline{NE} ¼ of
42 Address Bry 190	$\begin{array}{c c c c c c c c c c c c c c c c c c c $
City State Zip Code Block Killer Falls 11/7 51/615	$_{\rm W}$ $_{\rm E}$ $_{\rm E}$ $_{\rm E}$ Replacement \square Reconstruction
Brace pice range core officies	of unique well # constructed in 19
	s Reason for new, replaced or reconstructed well?
4. Well serves # of homes and/or High Capacity	
(ex: barn, restaurant, church, school, industry, etc.) High Capacity	Property? I Yes X ^{No} Z Drilled Driven Point Jetted Other
Well Located in Floodplain? U Yes X No AA 9. Downs	pout/Yard Hydrant MA 17. Wastewater Sump
NA 1. Landfill Na 11. Foundation	ation Drain to Clearwater $\underline{N/A}$ 19. Animal Yard or Shelter
18 2. Building Overhang 12. Founda 72 3. Sentic or Holding Tenk 13. Building	ation Drain to Sewer \underline{NA} 20. Silo – Type
$\frac{87}{4}$ 4. Sewage Absorption Unit	Iron or Plastic \Box Other MA 22. Manure Pipe \Box Gravity \Box Pressure
<u>NA</u> 5. Nonconforming Pit <u>A</u> 14. Building <u>NA</u> 6. Buried Home Heating Oil Tank <u>NA</u> Cast	g Sewer □ Gravity □ Pressure □ Cast Iron or Plastic □ Other Iron or Plastic □ Other
$\frac{\Lambda A}{\Lambda}$ 7. Buried Petroleum Tank $\frac{\Lambda A}{\Lambda}$ 15. Collect	or or Street Sewer Other NR 112 Waste Source
6 Drillhole Dimensions Method of constructing upper enlarged	ater Sump <u>1071</u> 24.
From To Dia, (in.) (ft.) (ft.)	USE ONLY Type, Caving/Noncaving, Color, Hardness, Etc. (ft.) (ft.)
\square 1. Rotary — Mud Circulation	-S- Sand surface 43
3. Rotary – Foam	
4. Reverse Rotary 5. Cable-tool Bit in. dia.	
6. Temp. Outer Casing in. dia.	
Removed? L Yes L No If no, explain	
7. Other	
7. Casing, Liner, Screen Material, Weight, Specification From To	
Dia. (in.) Mfg. & Method of Assembly (ft.) (ft.)	
6 Black Plain End-Steel surrace 41	
ASTM A 53-B 18.97	
Wolded 2660 PST	10. Static Water Level 12. Well Is:
- Meracio - a 600 / 02	$\frac{12}{12} \text{ ft. below ground surface} \qquad \frac{12}{12} \text{ in.} \square \text{ Below} \text{ Grade}$
Dia. (in.) screen type and material / screen From To	11. Pump Test Developed? Yes No
6' staintess W Neop Pack. 40 43	Pumping Level 26 ft. below surface Pumping at 6 GPM for 6 hours Capped? Yes \Box No
o. Grout or Other Sealing Material # Method From To Sacks	13. Did you permanently seal all unused, noncomplying, or unsafe wells?
Kind of Sealing Material (ft.) (ft.) Cement	Yes No If no, explain
surface	MonAllust JAR 9/3/8/
	Signature of Drill Rig Operator Date Signed,
Make additional comments on reverse side about geology, etc.	WELL CONSTRUCTION REPORT
	DNB Form 3300-77A Rev 9-881'2'2

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Property ,							Madison, WI 53707		Jonth 12	E	
Owner LC	DVELESS, P	TAT		Numb	er –	-	1. Well Location	L		Г	
Mailing 22 Address	956 ELGIN	AVE					T of BYRON		Fire#		
City TOM	AH		State V	VI Zip C	Code 5	4660	Street Address or Road Name CRESENT RD	e and Number			
County of W 42 M	Vell Location	Co W	Well Permit No	Well	Completion Da July 24, 20	ate 007	Subdivision Name	Lot#	Block #		
Well Constr	uctor		License #	Facility II	O (Public)		Gov't Lot or SW 1/4 of 1	NE 1/4 of Section	24 T 18	N;R 1	
Address			3022	Public W	ell Plan Approv	/al#	Latitude Deg. Longitude Deg	Min. Min.	, ,	ä	
City State Zip Code					Approval		2. Well Type 1	(See item 12 b	elow) Lat/L	ong Me	
SPARIA WI 54656 Hicap Permanent Well # Common Well #					Capacity		_ 1=New 2=Replacement 3=Reconstruction of previous unique well # constructed in				
Well Serv	res # of h	omes and or	week asked in	lustry, sta	High Capa	city:	Reason for replaced or recons	structed Well?			
P vi=Munic 0=01	(e IM N=NonCom I	g. Darin, restaurant, ch P=Private Z=Other X=NonF	Pot A=Anode L=Loop	p H=Drillhole	Property?	N	1 1=Drilled 2=Driven Poin	t 3=Jetted 4=Other	r		
Is the well	located upsloj	pe or sideslope and no	ot downslope from	m any conta	mination source	ces, includin	g those on neighboring propert	ies?			
istance in fee	et from well to	o nearest: (including p	proposed)	9. 1	Downspout/ Ya	ira Hydrant		17. Wastewater Si	ump		
1	l. Landfill			10.	Frivy	nim to Ol	-	18. Paved Animal	Barn Pen		
13 2	2. Building	Overhang		11.	Foundation Dr	ain to Cleary	valer	19. Animal Yard (or Shelter		
3	3. 1=Sep	otic 2= Holding Tar	nk	12.	Foundation Dr	ain to Sewer		20. Silo			
4	. Sewage A	bsorption Unit		13.	Building Drain 1=Cast In	on or Plastic	2=Other	21. Barn Gutter			
5	5. Nonconfo	rming Pit		14.	Building Sewe	r 1=Grav	rity 2=Pressure	22. Manure Pipe	1=Gravity 2	2=Press	
6	5. Buried Ho	ome Heating Oil Ta	ank		1=Ca	ast Iron or P	lastic 2=Other	23. Other manure	Storage		
7	. Buried Pe	troleum Tank		15.	Collector Sewe	er: units	in . diam.	24. Ditch			
8	1=Sho	reline 2= Swimmin	pool	16.	Clearwater Sur	np	2	25. Other NR 812	Waste Source		
D						-					
Drilinole D	imensions at	A C D D D D D D D D D D D D D D D D D D	/			IC I	8 0 1		13	A DE LE COLOR	
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UNIVERSITY OF WISCONSIN GEOLOGICAL & NATURAL HISTORY SURVEY 3817 Mineral Point Rd., Madison, Wisconsin 53705 We Ow Ad Dr En Lo

Rec'd: 9/8/86

Drilling method: auger Samples from 10'to 40'

Studied by: Kathleen Massie-Ferch

Formations: Big Flats Formation

from

Published: 12/21/89

to

Well	name	James Brownell Test Hole #55					5 County: Juneau R. 2 E.									
		Town o	f Cutl	er			Completed6/21/84									
Owne	r						Field	check.	WG&NHS	-J. B	rownell	1	· + - + - ·	+		
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Dril Engi	ler neer.	Wis. G	eologi	cal & Na	atural :	Histo Surve	Use ory Static ey Spec.	tic w.l~2' c. cap			N	-+	 			
Loca	tion:	S₩¼,S₩	4, SW4,	SE ¹ ₄ , SW ¹ ₄ ,	Sec. 1	8, T1	.8N, R2E		Quad.	Shenn	ington	S 7½'	ec. 18			
Drill Hole							Ca	Casing & Liner Pipe or Curbing								
Dia.	from	to	Dia.	from	to	Dia.	Wgt.& Kind	from	to	Dia.	Wgt.&	Kind	from	to		
?	0	531					none									

Grout

Remarks: Test hole was located on the northeast corner of the intersection of 2nd Avenue & 22nd St. Driller reports very poorly consolidated greenish quartz sandstone from 25' to 53'.

LOC	G OF WELL				acced a section to				
	Dopthe	Graphic	Rock	Color	Grain Size		Miscellaneous Characteristics		
	Depuis	Section	Туре	0101	Mode	Range	MISCEITANEOUS CHAFACTERISTICS		
B -	-+ 10		01-01				Coleman Much silt Little cond		
IF	at 10		Clay	Brown			Calcareous. Much silt. Little sand.		
GL	at 20		Sand	Strg bn	M	Vfn/VC	2-3% non-quartz grains. Mch qtz st. Tr cl,F-lim cem(remnant).		
A	at 30		Sand	Strg bn	M	Vfn/VC	2-3% non-qtz grains. Mch qtz st. Tr cl,F-lim cem(remnant).		
S	at 40		Sand	Strg bn	Fn/M	Vfn/VC	4-5% non-qtz grains. Mch qtz st. Tr clay, F-lim cem(remnant),		
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