General Engineering Company P.O. Box 340 916 Silver Lake Drive Portage, WI 53901



608-742-2169 (Office) 608-742-2592 (Fax) gec@generalengineering.net www.generalengineering.net

Engineers • Consultants • Inspectors

July 19, 2016

Ms. Sarah Frederick Wisconsin Department of Natural Resources 625 East County Road Y, Suite 700 Oshkosh, Wisconsin 54901

RE: Request for No Further Action

Schindler Construction Company (Former) 1310 Earl Street Menasha, Wisconsin BRRTS No.: 02-71-000611

Dear Ms. Frederick:

General Engineering Company has recently completed an investigation at the former Schindler Construction property, located at 1310 Earl Street in Menasha, Wisconsin. A brief summary of the previous activities performed by others is also provided within the report.

Soil and groundwater samples collected during the investigative activities either did not contain petroleum compounds or did not contain them at levels exceeding the current standards. Therefore, on behalf of Mr. Thomas Lemke, Jr., General Engineering is respectfully requesting that no further action be required at this site and the site activity be closed under NR 708.09.

General Engineering Company appreciates the opportunity to be of service on this project. Should you have any questions, please contact us.

Sincerely yours,

GENERAL ENGINEERING COMPANY

Brian Youngwirth

Environmental Project Manager

Beth A. Erdman

Environmental Project Manager

c: Mr. Thomas Lemke, Jr.





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APPENDIX D

Portage

• Soil Boring Logs, Abandonment Forms, and Temporary Well Construction Forms





EXECUTIVE SUMMARY

According to the Wisconsin Department of Natural Resources (WDNR) BRRTS database, the WDNR was notified on October 5, 1993 that a diesel spill had occurred on the property from the fuel tank of a truck. The spill reportedly occurred on the southeastern portion of the property and migrated eastward toward Earl Street. An excavation of the affected area and initial investigation were completed during 1994 by Superior Services Inc.(Superior). The majority of affected soil is believed to have been removed however, confirmation sampling and a full investigation of the degree and extent of contamination was not completed. As a result, a responsible party letter was issued to Schindler Construction by the WDNR, dated February 21, 1995. No work has been performed on the site since issuance of the responsible party letter and a deed affidavit was filed on the property in 2000.

On January 15, 2016, a Notice of Contamination was sent to Mr. Thomas Lemke Jr. by the WDNR, requesting verification of ownership of the property. Mr. Lemke, Jr. was issued a responsible party letter by the WDNR, dated May 10, 2016, although he is not the current owner of the property. General Engineering Company was retained by Mr. Lemke to complete the required site investigation activities.

Six soil probes, designated GP-1 to GP-6, were advanced on the subject site on June 29, 2016. The probes were advanced to depths ranging from 10 to 15 feet below ground surface (bgs). The probes were performed within the estimated location of the former spill based on the map provided by Superior as part of their spill response. The soil samples were screened with a Photoionization Detector (PID). Select soil samples were collected from each probe and analyzed for the presence of petroleum volatile organic compounds (PVOCs) and naphthalene. Soil probes GP-1, GP-2, and GP-6 were converted to temporary monitoring wells designated TW-1 through Groundwater samples were collected from the temporary wells and TW-3, respectively. submitted for laboratory analysis for the presence of PVOCs and naphthalene.

The soil sample collected from GP-2 at a depth of about 3 feet contained naphthalene and 1,3,5 trimethylbenzene at concentrations of 132 micrograms per kilogram (µg/kg) and 48 µg/kg respectively, which are below their respective NR 720 soil to groundwater RCLs of 658 µg/kg and 1,382 µg/kg. The samples collected from the remaining locations did not contain PVOCs or naphthalene.

Groundwater samples were collected from temporary monitoring wells TW-1 through TW-3 on July 4, 2016. The samples were submitted for laboratory analysis for the presence of PVOCs and naphthalene. The samples did not contain detectable levels of PVOCs or naphthalene.

Based on the testing, it appears that the majority of the soils affected by the spill were removed at the time of the remedial activities performed in 1994. In addition, the soil and groundwater samples collected from the six soil probes and three monitoring wells completed during this investigation either did not contain PVOCs or naphthalene or did not contain them at levels exceeding their current standards. It is therefore recommended that no further action be required regarding this release under NR 708.09.



Portage



SITE FEATURES AND BACKGROUND

Site Features

The subject site is an approximate 0.682 acre parcel (Parcel Number 740079101) of land, located at 1310 Earl Street, in the City of Menasha, Wisconsin. The property is located on the west side of Earl Street. A Site Location Map is shown in Figure 1, Appendix A.

The property is situated within an area of the City of Menasha that is primarily developed with commercial properties to the north, south, and west. Athletic fields are present to the northeast, east, and southeast of the property beyond Earl Street. The property is a rectangular shaped parcel (with the exception of the eastern boundary along Earl Street). The eastern portion of the property is developed with a commercial structure. The ground surface surrounding the structure is primarily gravel. Surface topography appeared to be relatively level.

The subject site is serviced by the City of Menasha water and sewer utility. A Site Plan is shown on Figure 2, located in Appendix A.

Background

According to the WDNR BRRTS database, the WDNR was notified on October 5, 1993 that a diesel spill had occurred on the property from the fuel tank of a truck. The spill reportedly occurred on the southeastern portion of the property and migrated eastward toward Earl Street. An excavation of the affected area and an initial investigation were completed during 1994 by Superior. The majority of affected soil is believed to have been removed. However, confirmation sampling and a full investigation of the degree and extent of contamination was not completed. As a result, a responsible party letter was issued to Schindler Construction by the WDNR, dated February 21, 1995. No work has been performed on the site since issuance of the responsible party letter and a deed affidavit was filed on the property in 2000.

On January 15, 2016, a Notice of Contamination was sent to Mr. Thomas Lemke Jr. by the WDNR requesting verification of ownership of the property. Mr. Lemke, Jr. was issued a responsible party letter by the WDNR, dated May 10, 2016, although he is not the current owner of the property.

Mr. Thomas L. Lemke, Jr. subsequently requested Generally Engineering Company to prepare a Work Plan and complete the required investigation activities. GEC submitted a Work Plan to the WDNR, dated June 23, 2016. The Work Plan was approved by the WDNR and the investigation activities discussed herein were subsequently performed.

FIELD ACTIVITIES AND PROCEDURES

Scope Summary

Portage

Six soil probes, designated GP-1 to GP-6, were advanced on the subject site on June 29, 2016. The probes were advanced to depths ranging from 10 to 15 feet bgs. The probes were performed within the estimated location of the former spill based on a Superior map included within the WDNR case file and subsequently provided to General Engineering by Ms. Sarah Frederick. The soil samples were screened with a PID. Select soil samples were collected from each probe and analyzed for the presence of PVOCs and naphthalene. Soil probes GP-1, GP-2, and GP-6 were converted to temporary monitoring wells designated TW-1 through TW-3, respectively. Groundwater samples collected from the temporary wells were submitted for laboratory analysis for the presence of PVOCs and naphthalene.





Field Activities

The soil probes/temporary monitoring wells were performed by Kitson Environmental Services of Hellenville, Wisconsin with a truck-mounted geoprobing unit. Representative samples were collected continuously throughout the completion depth of the probes. The soil probes/temporary monitoring well locations are shown on Figure 3, Appendix A. Soil probes not converted to temporary monitoring wells were abandoned. Soil probe abandonment forms are included in Appendix D.

The temporary monitoring well construction consisted of a 10-foot section of 2-inch diameter, machine slotted PVC screen placed at or near the bottom of the borehole. This was surrounded by a properly graded granular filter medium in the annular space, with un-slotted riser pipe extending from the screened section to a few inches below the ground surface. A bentonite seal of approximately 2 feet, was placed above the granular filter medium. The remaining annular space was filled to the ground surface with bentonite chips. Temporary well construction forms are included within Appendix D.

Volatile Emission Vapor Screening

Soil samples collected during the probing activities were screened for volatile organic vapor emissions with a PID. The PID is an electronic instrument that measures the relative concentration of volatile organic vapor emissions in the headspace of a container. The response of the instrument is dependent upon volatility, temperature, and the ionization potential of the compounds measured. The meter serves as one tool in selecting samples for analytical testing and estimating zones of more highly affected soil, as it only gives a relative indication of the presence of volatile vapor emissions. However, the PID cannot quantify concentrations of individual compounds. PID levels were not observed within the collected samples with the exception of the samples collected from GP-2 from depths of about 3 to 8 feet, where low PID levels of about 0.3 instrument units (IU) to 1.5 IU were detected.

DESCRIPTION OF SUBSURFACE CONDITIONS

Soil Conditions

The surface of the site at the test locations consisted of 3 inches to 6 inches of gravel fill, which was underlain by a few inches of possible buried topsoil at GP-1, GP-3, and GP-6. These materials were underlain by natural reddish brown silty clay to the termination depths of the probes.

Groundwater was encountered at depths of about 8 to 9 feet at the time of the probing activities. The depth to groundwater within the temporary wells ranged from 7.55 feet below the top of casing at TW-2 to 9.36 feet below top of casing at TW-1.

Soil and Groundwater Sample Collection Procedure and Preparation

The soil samples for chemical analyses were selected from the probes, based upon visual and olfactory observations, and the PID screenings, to document the encountered soil conditions. Select soil samples were submitted for laboratory analysis for the presence of PVOCs and naphthalene.

The soil samples submitted for laboratory analysis for the presence of PVOC and naphthalene were extracted from the soils utilizing a sterile syringe and approximately 10 to 12 grams of soil were transferred into a clean, laboratory prepared jar with approximately 10 milliliters of methanol.



Portage



La Crosse

The samples were placed on ice, and Chain-of-Custody procedures were initiated. The samples were then submitted to Synergy Laboratory of Appleton, Wisconsin, for laboratory analysis.

Groundwater samples were collected from the temporary wells and submitted for laboratory analysis for the presence of PVOCs and naphthalene. The groundwater samples were collected utilizing a single use disposable bailer. The samples submitted for analysis were placed in laboratory prepared 40-milliliter vials containing Hydrochloric Acid preservative. The sample containers were placed on ice and standard Chain-of-Custody procedures were initiated. The groundwater samples were submitted to Synergy Laboratory in Appleton, Wisconsin.

NR 720 Soil Standards

Chapter 720 of the NR700 series code established residual contaminant levels (RCLs) for soils intended to be protective of the direct contact (upper 4 feet of soil defined by human exposure to substances in soil through inhalation of particulate matter, dermal absorption, incidental ingestion, or inhalation of vapors from the soil) and soil-to-groundwater pathways. The direct contact levels are dependent on the planned use and zoning of the affected property. Although these individual RCLs have been established for a wide range of compounds, the WDNR requires that the cumulative effects of detected compounds be evaluated through use of a WDNR interactive table where individual concentrations can be entered to evaluate whether the target cancer risk has been exceeded. The individual RCLs provided by the WDNR were developed using standard default exposure assumptions. As an alternative, site specific calculations can be performed utilizing the U.S. EPA Regional Screening Level Web Calculator.

Laboratory Soil Results

The soil samples collected from GP-2 at a depth of about 3 feet contained naphthalene and 1,3,5 trimethylbenzene at concentrations of 132 μ g/kg and 48 μ g/kg respectively, which are below their respective NR 720 soil to groundwater RCLs of 658 μ g/kg and 1,382 μ g/kg. The samples collected from the remaining locations did not contain detectable concentrations of PVOCs or naphthalene. A copy of the soil analytical results is included in Appendix C and the results are summarized on Table 1, Appendix B.

Groundwater Quality Standards

The Enforcement Standards (ESs) and Preventive Action Limits (PALs) are Groundwater Quality Standards, which have been established in NR140 of the Wisconsin Administrative Code. These Standards are referenced when evaluating the need for further study or remedial activities. The PAL is the more stringent guideline, in terms of being lesser in magnitude than the ES, but will typically require less response action when exceeded. The required action is determined by DNR regulations, based on various site-specific considerations.

Laboratory Groundwater Results

Groundwater samples were collected from the temporary monitoring wells on July 4, 2016. The samples were submitted for laboratory analysis for the presence of PVOCs and naphthalene. The samples did not contain detectable levels of PVOCs or naphthalene. A copy of the groundwater analytical results is included in Appendix C and the results are summarized on Table 2, Appendix B.





CONCLUSION, FINDINGS, AND OPINIONS

Conclusion: General Engineering Company has performed an investigation at the Schindler Construction Company (former) located at 1310 Earl Street in Menasha, Wisconsin.

The investigation activities performed included the advancement of six soil probes (GP-1 to GP-6) on June 29, 2016. Soil probes GP-1, GP-2, and GP-6 were converted to temporary monitoring wells (TW-1 to TW-3). One to two soil samples were collected for laboratory analysis from each of the probes locations. Temporary monitoring wells TW-1 to TW-3 were sampled on July 4, 2016. Soil and groundwater samples were submitted for laboratory analysis of PVOCs and naphthalene.

The soil sample collected from GP-2 at a depth of about 3 feet contained naphthalene and 1,3,5 trimethylbenzene at concentrations of 132 micrograms per kilogram (μ g/kg) and 48 μ g/kg respectively, which are below their respective NR 720 soil to groundwater RCLs of 658 μ g/kg and 1,382 μ g/kg. The samples collected from the remaining locations did not contain detectable concentrations of PVOCs or naphthalene.

Groundwater samples were collected from the temporary monitoring wells on July 4, 2016. The samples did not contain detectable levels of PVOCs or naphthalene.

Based on the soil and groundwater analytical results, it appears that the majority of affected soils were removed at the time of the remedial activities performed in 1994. In addition, the soil and groundwater samples collected from the six soil probes and three temporary monitoring wells completed during this investigation either did not contain detectable PVOCs or naphthalene concentrations or did not contain them at levels exceeding their current standards. It is therefore requested that no further action be required regarding this release under NR 708.09.

Upon approval of the request for no further action for the above site, the temporary monitoring wells will be abandoned and abandonment forms submitted to WDNR.

Respectfully Submitted,

GENERAL ENGINEERING COMPANY

Brian Youngwirth

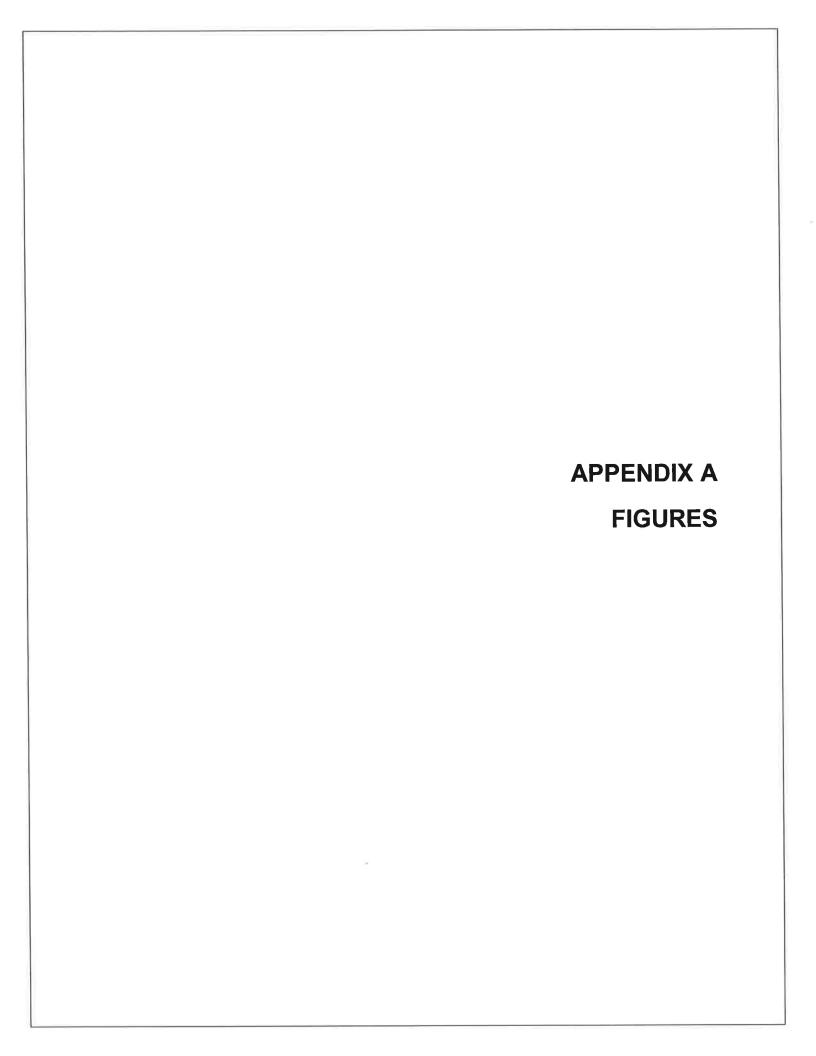
Environmental Project Manager

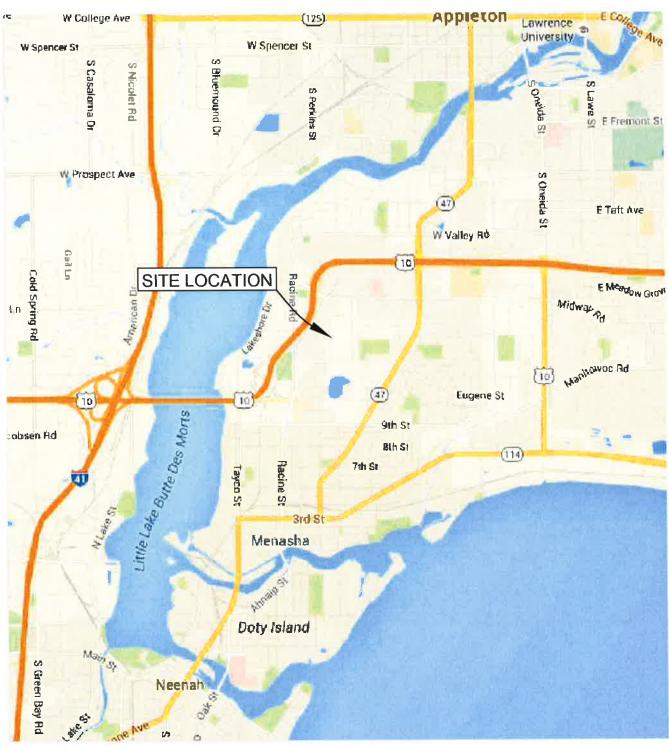
Beth A. Erdman

Environmental Project Manager











General Engineering Company

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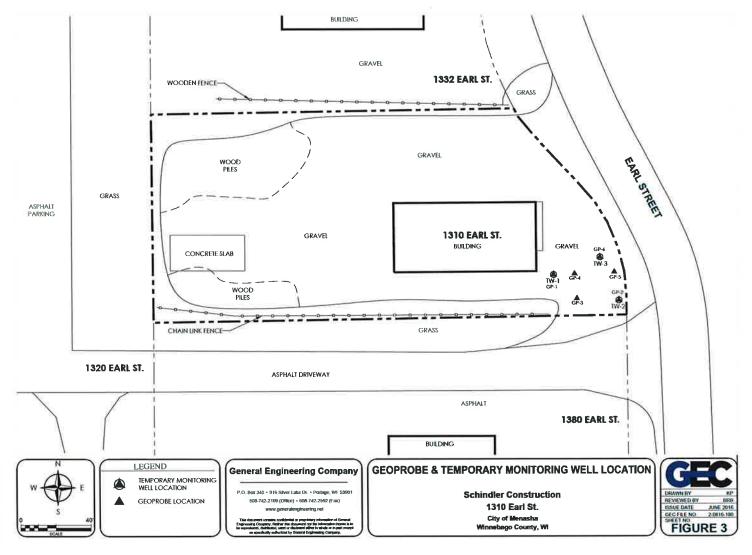
SITE LOCATION MAP

Schinder Construction 1310 Earl St. City of Menasha Winnebago County, Wi



BUILDING

GRAVEL



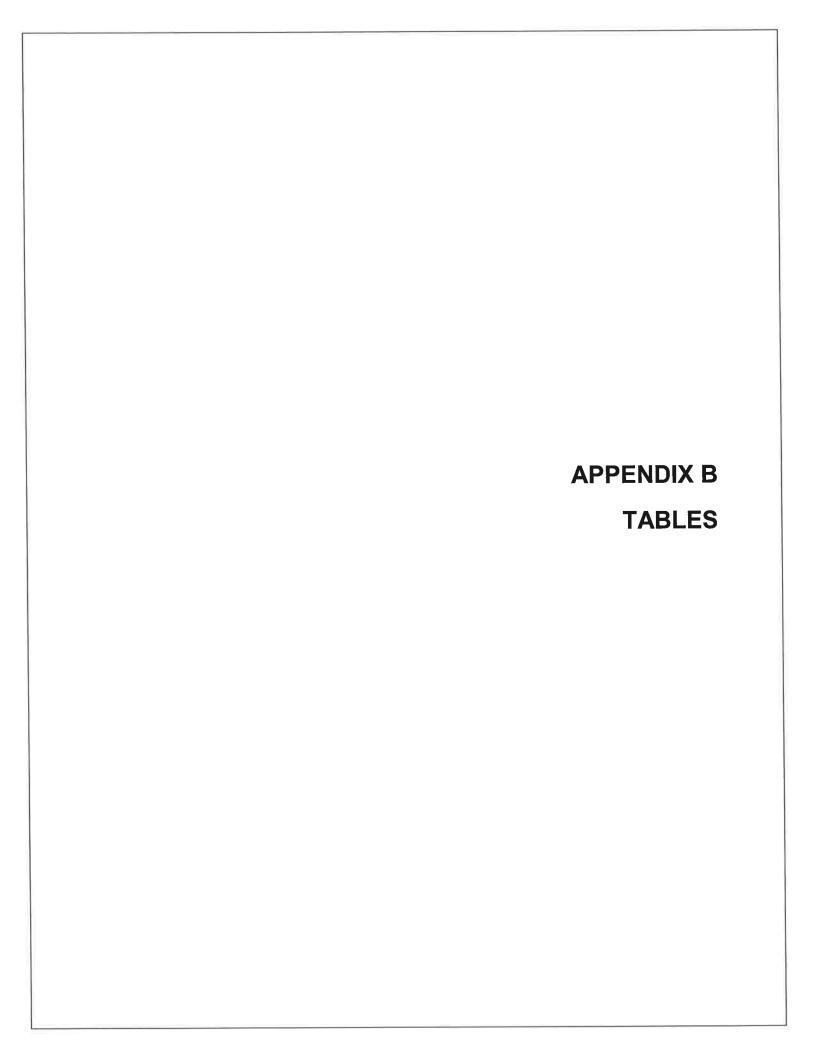


TABLE 1 SUMMARY OF SOIL ANALYTICAL RESULTS SCHINDLER CONSTRUCTION COMPANY MENASHA, WISCONSIN

Sample No.			Not-To-	Soil to	GP-1	GP-2	G	P-3	GF	-4	-	3P-5	GP-6
Sampling Date	NC RCL (ug/kg)	C RCL (ug/kg)	Exceed D-C RCL	Groundwater	06/29/18	06/29/16	06/2	29/16	06/2	9/18	06	W29/16	06/29/16
Sample Depth (feet)		(ug/kg)	RCL (ug/kg)	1-3	3	1-3	10-12	1-3	B-10	1-3	8-10	1-3	
PETROLEUM VOLATIL	E ORGANIC	сомрои	NDS (PVOC)	(ug/kg)	BERTEN	ON THE CASE OF		3 7.68	Z ZMAN	CHARLET	95+5±5±11		
Benzene	111,000	1,490	1,490	5.1	<25	<25	<25	<25	<25	<25	<25	<25	<25
Ethylbenzene	4,200,000	7,470	7,470	1,570	<25	<25	<25	<25	<25	<25	<25	<25	<25
Methyl tert-butyl ether	23,800,000	59,400	59,400	27	<25	<25	<25	<25	<25	<25	<25	<25	<25
Naphthalene	188,000	5,150	5,150	658	<25	132	<25	<25	<25	<25	<25	<25	<25
Toluene	5,300,000	NE	818,000	1,107	<25	<25	<25	<25	<25	<25	<25	<25	<25
1,2,4-Trimethylbenzene	89,800	NE	89,800	1,382	<25	<25	<25	<25	<25	<25	<25	<25	<25
1,3,5-Trimethylbenzene	782,000	NE	192,000	1,382	<25	48	<25	<25	<25	<25	<25	<25	<25
Kylenes, -m, -p Kylenes, -o	890,000	NE	258,000	3,940	<75	<75	<75	<75	<75	<75	<75	<75	<75

mg/kg = milligrams per kilogram
RCL = Residual Conteminant Level
NC = Non Cancer
C = Cancer
CC = Cancer
DC = Direct Contact
NA = Parameter not analyzed
NE = NR 720 RCL not astablished
J = Analyte detected above laboratory limit of detection but below limit of quantitation.
Bold indicates analytical results exceed NR 720 NC RCL.
Italic indicated analytical results exceed NR 720 Not-To- Exceed D-C RCL.

TABLE 2 SUMMARY OF GROUNDWATER ANALYTICAL RESULTS SCHINDLER CONSTRUCTION COMPANY MENASHA, WISCONSIN

Monitoring Well	NR	140	TW-1	TW-2	TW-3	
Sampling Date	ES	PAL	7/4/2016	7/4/2016	7/4/2016	
PETROLEUM VOLATI	LE ORG	SANIC	COMPOUND	S (PVOC) (µc	(/L)	
Benzene	5	0.5	<0.46	<0.46	<0.46	
Ethylbenzene	700	140	< 0.73	<0.73	<0.73	
Methyl tert-butyl ether	60	12	< 0.49	<0.49	<0.49	
Naphthalene	100	10	<2.6	<2.6	<2.6	
Toluene	1000	200	<0.39	<0.39	<0.39	
1,2,4 -Trimethylbenzene	480	96	<0.68	<0.68	<0.68	
1,3,5 -Trimethylbenzene	400	30	<0.83	<0.83	<0.83	
Xylenes, -m, -p Xylenes, -o	10000	1000	<2.06	<2.06	<2.06	

ES = Enforcement Standard

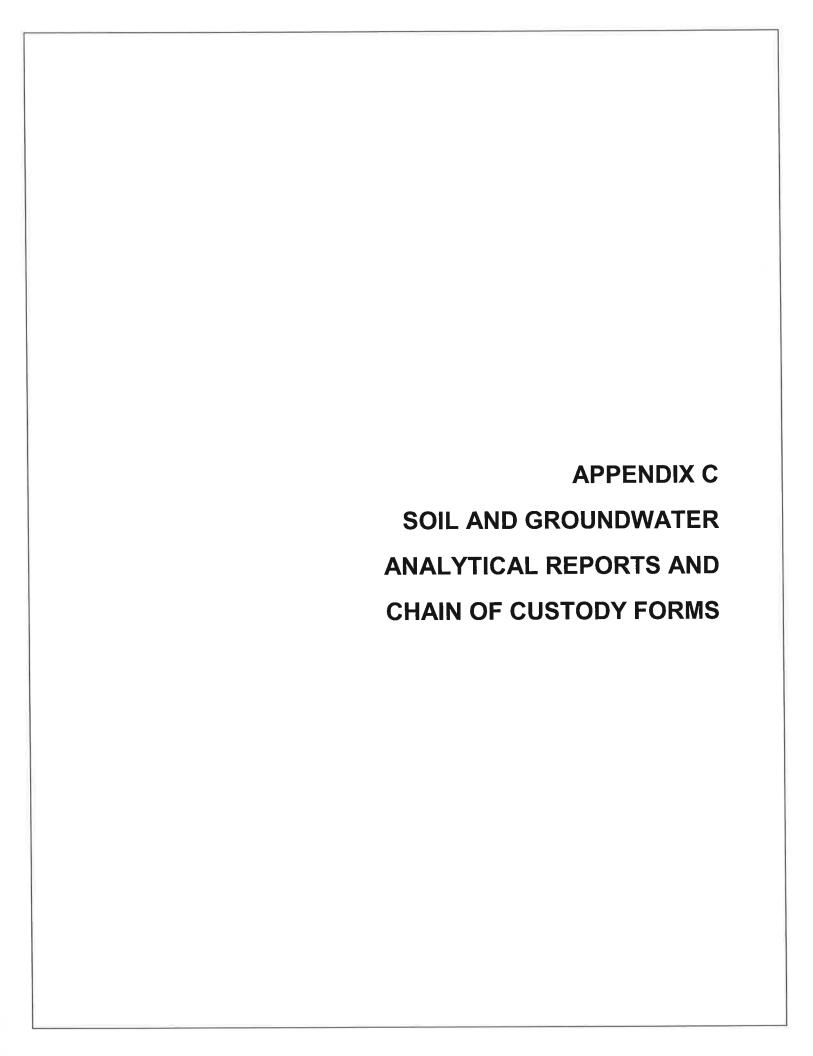
PAL = Preventive Action Limit μ g/L = micrograms per liter

NA = Parameter not analyzed

NE = NR 140 ES not established

J = Analyte detected above laboratory limit of detection but below limit of quantitation.

Bold indicates analytical results above NR 140 ES



CHAIN OF STODY RECORD

Synergy

Environmental Lab, Inc.

Quote No.:

Account No.: # '0'1 qe

Project #:

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

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Rush Analysis Date Required (Rushes accepted only with prior authorization) Sample Handling Request Normal Turn Around

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Company 65	Company / / / /		SO	
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City State Zip Poder Will 5390	City State Zip	۱) ا) عول ع	(z.z)	
Phone 60x (9) 8010	Phone	TINT SE \$021 \$051	•8 Aq (065: 1ALS	<u>.</u>
FAX	FAX	100 G	N (E:	<u>E</u>
Lab I.D. Sample I.D. Date Time	tion Comp Grab Y/N Containers (Matrix) Preservation	DHO (W GPO (W LEAD NITRAT OIL & G PAH (E) PCB PCB PVOC (JATOT VOO OV (E) OOV VRDB-8	
SOSIZOA CONTUNITATION	ALM N D CV NCL	<i>X</i>		
B T		_		
> 531	7 7 51 7 7	<		
Comments/Special Instructions (*Specify gr	Comments/Special Instructions ("Specify groundwater "GW", Drinking Water "DW", Waste Water "WW", Soil "S", Air "A", Oil, Sludge etc.)	", Air "A", Oil, Sludge etc.)		
Sample Integrity - To be completed by receiving lab.	eiving lab. Relimfulshed By: (slign)/	Date Received By: (sign)	Time Date	e
Method of Shipment: Clean				
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Time: 8:00

Received in Laboratory By:

2

Cooler seal intact upon receipt: Yes

CHAIN OF JSTODY RECORD

Synergy

Environmental Lab, Inc.

Quote No.:

Account No. : Lab 1.D. #

Project #:

Sampler: (signature)

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

4	
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Chain #	

Page

10100	City State Zip								VCENE				
Phone FAX Collection	Filtered	S o oN	Sample		(Mod DRO S	atirtin/atar	(EPA 8270)	C (EPA 8021)	C + NAPHTH	AL SUSPEND : OW (EPA 54	(EPA 8260)		PID.
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50-1 8:10 - X X X X X X X X X X X X X X X X X X	^××												
Comments/Special Instructions (*Specify groundwater "GW", Drinking Water "DW", Waste Water "WW". Soil "S". Air "A", Oil, Sludge etc.	V, Drinking W	/ater "DW". W	Yaste Water	WW. Soil "S	Air "A"	io ;	e egbu		->				
Sample Integrity - To be completed by receiving lab.	Reilingdished By:	(ubis) -A		Ailfly 6/39	A C	~	Received By: (sign)	By: (si	gn)			Time	Date
Method of Shipment: dwy_off Temp. of Temp. Blank "C On Ice: X Cooler seal intact upon receipt: X Yes No	Received in Laboratory By:	boratory By:	3			1 1 1/			Time	Time: 2,20	0	Date:	Date: (g(1911)

Synergy Environmental Lab, INC.

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

BRIAN YOUNGWIRTH GENERAL ENGINEERING 916 SILVER LAKE DRIVE PORTAGE, WI 53901

Report Date 11-Jul-16

Duningt Name	SCHINDLED CONSTRUCTION	Invoice #	F31320
Project Name	SCHINDLER CONSTRUCTION	Invoice #	E31320

Project #

Lab Code	5031320A
Sample ID	TW-1
Sample Matrix	Water
Sample Date	7/4/2016

	Result	Unit	LOD L	OQ D	il	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	< 0.46	ug/l	0.46	1.5	1	GRO95/8021		7/8/2016	CJR	1
Ethylbenzene	< 0.73	ug/l	0.73	2.3	1	GRO95/8021		7/8/2016	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.49	ug/l	0.49	1.6	1	GRO95/8021		7/8/2016	CJR	1
Naphthalene	< 2.6	ug/l	2.6	8.3	1	GRO95/8021		7/8/2016	CJR	1
Toluene	< 0.39	ug/l	0.39	1.2	1	GRO95/8021		7/8/2016	CJR	1
1,2,4-Trimethylbenzene	< 0.68	ug/l	0.68	2.2	1	GRO95/8021		7/8/2016	CJR	1
1,3,5-Trimethylbenzene	< 0.83	ug/l	0.83	2.6	1	GRO95/8021		7/8/2016	CJR	1
m&p-Xylene	< 1.4	ug/l	1.4	4.4	1	GRO95/8021		7/8/2016	CJR	1
o-Xylene	< 0.66	ug/l	0.66	2.1	1	GRO95/8021		7/8/2016	CJR	1

Lab Code5031320BSample IDTW-2Sample MatrixWaterSample Date7/4/2016

•	Result	Unit	LOD L	OQ D	il	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	< 0.46	ug/l	0.46	1.5	1	GRO95/8021		7/8/2016	CJR	1
Ethylbenzene	< 0.73	ug/l	0.73	2.3	1	GRO95/8021		7/8/2016	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.49	ug/l	0.49	1.6	1	GRO95/8021		7/8/2016	CJR	1
Naphthalene	< 2.6	ug/l	2.6	8.3	1	GRO95/8021		7/8/2016	CJR	1
Toluene	< 0.39	ug/l	0.39	1.2	1	GRO95/8021		7/8/2016	СJR	1
1,2,4-Trimethylbenzene	< 0.68	ug/l	0.68	2.2	1	GRO95/8021		7/8/2016	CJR	1
1,3,5-Trimethylbenzene	< 0.83	ug/l	0.83	2.6	1	GRO95/8021		7/8/2016	CJR	1
m&p-Xylene	< 1.4	ug/l	1.4	4.4	1	GRO95/8021		7/8/2016	CJR	1
o-Xylene	< 0.66	ug/l	0.66	2.1	1	GRO95/8021		7/8/2016	CJR	1

Project Name SCHINDLER CONSTRUCTION Invoice # E31320

Project #

Lab Code5031320CSample IDTW-3Sample MatrixWaterSample Date7/4/2016

Sample Date 1/4/2010										
	Result	Unit	LOD L	OQ D	il	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	< 0.46	ug/l	0.46	1.5	1	GRO95/8021		7/8/2016	CJR	1
Ethylbenzene	< 0.73	ug/l	0.73	2.3	1	GRO95/8021		7/8/2016	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.49	ug/l	0.49	1.6	1	GRO95/8021		7/8/2016	CJR	1
Naphthalene	< 2.6	ug/l	2.6	8.3	1	GRO95/8021		7/8/2016	CJR	1
Toluene	< 0.39	ug/l	0.39	1.2	1	GRO95/8021		7/8/2016	CJR	1
1,2,4-Trimethylbenzene	< 0.68	ug/l	0.68	2.2	1	GRO95/8021		7/8/2016	CJR	1
1,3,5-Trimethylbenzene	< 0.83	ug/l	0.83	2.6	1	GRO95/8021		7/8/2016	CJR	1
m&p-Xylene	< 1.4	ug/l	1.4	4.4	1	GRO95/8021		7/8/2016	CJR	1
o-Xylene	< 0.66	ug/l	0.66	2.1	_1_	GRO95/8021		7/8/2016	CJR	1

[&]quot;J" Flag: Analyte detected between LOD and LOQ

LOD Limit of Detection

LOQ Limit of Quantitation

Code Comment

1 Laboratory QC within limits.

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

Muchwelplul

Authorized Signature

Synergy Environmental Lab, INC.

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

BRIAN YOUNGWIRTH GENERAL ENGINEERING 916 SILVER LAKE DRIVE PORTAGE, WI 53901

Report Date 06-Jul-16

Project Name SCHINDLER CONSTRUCTION

Project #

Lab Code

5031303A GP-1 1-3

Sample ID Sample Matrix Soil

Sample Date	6/29/2016										
		Result	Unit	LOD	LOQ I	Dil	Method	Ext Date	Run Date	Analyst	Code
General											
General											
Solids Percent		78.8	%			1	5021		6/30/2016	NJC	1
Organic											
PVOC + Napl	nthalene										
Benzene		< 0.025	mg/kg	0.014	0.046	1	GRO95/8021		7/5/2016	CJR	1
Ethylbenzene		< 0.025	mg/kg	0.014	0.045	1	GRO95/8021		7/5/2016	CJR	1
Methyl tert-butyl	ether (MTBE)	< 0.025	mg/kg	0.013	0.041	1	GRO95/8021		7/5/2016	CJR	1
Naphthalene		< 0.025	mg/kg	0.0094	0.03	1	GRO95/8021		7/5/2016	CJR	1
Toluene		< 0.025	mg/kg	0.015	0.048	1	GRO95/8021		7/5/2016	CJR	1
1,2,4-Trimethylbe	nzene	< 0.025	mg/kg	0.011	0.036	1	GRO95/8021		7/5/2016	CJR	1
1,3,5-Trimethylbe	nzene	< 0.025	mg/kg	0.012	0.038	1	GRO95/8021		7/5/2016	CJR	1
m&p-Xylene		< 0.05	mg/kg	0.023	0.074	1	GRO95/8021		7/5/2016	CJR	1
o-Xylene		< 0.025	mg/kg	0.024	0.078	1	GRO95/8021		7/5/2016	CJR	1

Invoice # E31303

Invoice # E31303

Project Name SCHINDLER CONSTRUCTION

Project #

Lab Code 5031303B Sample ID GP-2 3' Sample Matrix Soil Sample Date 6/29/2016

Sample Date	6/29/2016										
		Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General											
General											
Solids Percent		80.8	%			1	5021		6/30/2016	NJC	1
Organic											
PVOC + Naph	thalene										
Benzene		< 0.025	mg/kg	0.014	0.046	1	GRO95/8021		7/5/2016	CJR	1
Ethylbenzene		< 0.025	mg/kg	0.014	0.045	1	GRO95/8021		7/5/2016	CJR	1
Methyl tert-butyl e	ther (MTBE)	< 0.025	mg/kg	0.013	0.041	1	GRO95/8021		7/5/2016	CJR	1
Naphthalene		0.132	mg/kg	0.0094		1	GRO95/8021		7/5/2016	CJR	1
Toluene		< 0.025	mg/kg	0.015		1	GRO95/8021		7/5/2016	CJR	1
1,2,4-Trimethylber	nzene	< 0.025	mg/kg	0.011	0.036	1	GRO95/8021		7/5/2016	CJR	1
1,3,5-Trimethylber	izene	0.048	mg/kg	0.012		1	GRO95/8021		7/5/2016	CJR	1
m&p-Xylene		< 0.05	mg/kg	0.023		1	GRO95/8021		7/5/2016	CJR	1
o-Xylene		< 0.025	mg/kg	0.024	0.078	1	GRO95/8021		7/5/2016	CJR	1
Lab Code	5031303C										
Sample ID	GP-3 1-3'										
Sample Matrix	Soil										
Sample Date	6/29/2016										
		Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General											
General											
Solids Percent		81.3	%			1	5021		6/30/2016	NJC	1
Organic											
PVOC + Napl	nthalene										
Benzene		< 0.025	mg/kg	0.014	0.046	1	GRO95/8021		7/5/2016	CJR	1
Ethylbenzene		< 0.025	mg/kg	0.014		- 20	GRO95/8021		7/5/2016	CJR	1
Methyl tert-butyl	ether (MTBE)	< 0.025	mg/kg	0.013			GRO95/8021		7/5/2016	CJR	1
Naphthalene	and (WIIDE)	< 0.025	mg/kg	0.0094			GRO95/8021		7/5/2016	CJR	1
Toluene		< 0.025	mg/kg	0.015			GRO95/8021		7/5/2016	CJR	1
1,2,4-Trimethylbe	nzene	< 0.025	mg/kg	0.011			GRO95/8021		7/5/2016	CJR	1
1,3,5-Trimethylbe		< 0.025	mg/kg	0.012	0.038	1	GRO95/8021		7/5/2016	CJR	1
m&p-Xylene		< 0.05	mg/kg	0.023	3 0.074	1	GRO95/8021		7/5/2016	CJR	1
o-Xylene		< 0.025	mg/kg	0.024	4 0.078	1	GRO95/8021		7/5/2016	CJR	1

Project Name SCHINDLER CONSTRUCTION Invoice # E31303

Project #

 Lab Code
 5031303D

 Sample ID
 GP-3 10-12'

 Sample Matrix
 Soil

Sample Matrix	DOM										
Sample Date	6/29/2016										
		Result	Unit	LOD	LOQ I	Dil	Method	Ext Date	Run Date	Analyst	Code
General											
General											
Solids Percent		77.0	%			1	5021		6/30/2016	NJC	1
Organic											
PVOC + Naph	thalene										
Benzene		< 0.025	mg/kg	0.014	0.046	1	GRO95/8021		7/5/2016	CJR	1
Ethylbenzene		< 0.025	mg/kg	0.014	0.045	1	GRO95/8021		7/5/2016	CJR	1
Methyl tert-butyl e	ther (MTBE)	< 0.025	mg/kg	0.013	0.041	1	GRO95/8021		7/5/2016	CJR	1
Naphthalene		< 0.025	mg/kg	0.0094	0.03	1	GRO95/8021		7/5/2016	CJR	1
Toluene		< 0.025	mg/kg	0.015	0.048	1	GRO95/8021		7/5/2016	CJR	1
1,2,4-Trimethylber	izene	< 0.025	mg/kg	0.011	0.036	1	GRO95/8021		7/5/2016	CJR	1
1,3,5-Trimethylber	ızene	< 0.025	mg/kg	0.012		1	GRO95/8021		7/5/2016	CJR	1
m&p-Xylene		< 0.05	mg/kg	0.023		1	GRO95/8021		7/5/2016	CJR	1
o-Xylene		< 0.025	mg/kg	0.024	0.078	1	GRO95/8021		7/5/2016	CJR	Ĩ
Lab Code	5031303E										
Sample ID	GP-4 1-3'										
Sample Matrix	Soil										
Sample Date	6/29/2016										
		Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General											
General											
Solids Percent		81.2	%			1	5021		6/30/2016	NJC	1
Organic											
PVOC + Napl	nthalene										
Benzene		< 0.025	mg/kg	0.014	0.046	1	GRO95/8021		7/5/2016	CJR	1
Ethylbenzene		< 0.025	mg/kg	0.014	0.045	1	GRO95/8021		7/5/2016	CJR	1
Methyl tert-butyl	ther (MTBE)	< 0.025	mg/kg	0.013	0.041	1	GRO95/8021		7/5/2016	CJR	1
Naphthalene		< 0.025	mg/kg	0.0094	0.03	1	GRO95/8021		7/5/2016	CJR	1
Toluene		< 0.025	mg/kg	0.015			GRO95/8021		7/5/2016	CJR	1
1,2,4-Trimethylbe	nzene	< 0.025	mg/kg	0.011			GRO95/8021		7/5/2016	CJR	1
1,3,5-Trimethylbe	nzene	< 0.025	mg/kg	0.012			GRO95/8021		7/5/2016	CJR	1
m&p-Xylene		< 0.05	mg/kg	0.023			GRO95/8021		7/5/2016	CJR	1
o-Xylene		< 0.025	mg/kg	0.024	0.078	1	GRO95/8021		7/5/2016	СJR	1

Project Name SCHINDLER CONSTRUCTION Invoice # E31303

Project #

o-Xylene

 Lab Code
 5031303F

 Sample ID
 GP-4 8-10'

 Sample Matrix
 Soil

 Sample Date
 6/29/2016

Sample Date	6/29/2016										
		Result	Unit	LOD	LOQ D)il	Method	Ext Date	Run Date	Analyst	Code
General											
General											
Solids Percent		77.0	%			1	5021		6/30/2016	NJC	1
Organic											
PVOC + Naph	thalene										
Benzene		< 0.025	mg/kg	0.014	0.046	1	GRO95/8021		7/5/2016	CJR	1
Ethylbenzene		< 0.025	mg/kg	0.014	0.045	1	GRO95/8021		7/5/2016	CJR	1
Methyl tert-butyl e	ther (MTBE)	< 0.025	mg/kg	0.013	0.041	1	GRO95/8021		7/5/2016	CJR	1
Naphthalene		< 0.025	mg/kg	0.0094	0.03	1	GRO95/8021		7/5/2016	CJR	1
Toluene		< 0.025	mg/kg	0.015	0.048	1	GRO95/8021		7/5/2016	CJR	1
1,2,4-Trimethylber	nzene	< 0.025	mg/kg	0.011	0.036	1	GRO95/8021		7/5/2016	CJR	1
1,3,5-Trimethylber	nzene	< 0.025	mg/kg	0.012	0.038	1	GRO95/8021		7/5/2016	CJR	1
m&p-Xylene		< 0.05	mg/kg	0.023	0.074	1	GRO95/8021		7/5/2016	CJR	1
o-Xylene		< 0.025	mg/kg	0.024	0.078	1	GRO95/8021		7/5/2016	CJR	1
Lab Code	5031303G										
Sample ID	GP-5 1-3'										
Sample Matrix	Soil										
Sample Date	6/29/2016										
•		Result	Unit	LOD	LOQ I	Dil	Method	Ext Date	Run Date	Analyst	Code
General											
General											
Solids Percent		81.3	%			1	5021		6/30/2016	NJC	1
Organic											
PVOC + Napl	hthalene										
Benzene		< 0.025	mg/kg	0.014	4 0.046	1	GRO95/8021		7/5/2016	CJR	1
Ethylbenzene		< 0.025	mg/kg	0.014	4 0.045	1	GRO95/8021		7/5/2016	CJR	1
Methyl tert-butyl	ether (MTBE)	< 0.025	mg/kg	0.013	3 0.041	1	GRO95/8021		7/5/2016	CJR	1
Naphthalene	,	< 0.025	mg/kg	0.0094	4 0.03	1	GRO95/8021		7/5/2016	CJR	1
Toluene		< 0.025	mg/kg	0.013	5 0.048	1	GRO95/8021		7/5/2016	CJR	1
1,2,4-Trimethylbe	nzene	< 0.025	mg/kg	0.01	0.036	1	GRO95/8021		7/5/2016	CJR	1
1,3,5-Trimethylbe		< 0.025	mg/kg	0.013	2 0.038	- 1	GRO95/8021		7/5/2016	CJR	1
m&p-Xylene		< 0.05	mg/kg	0.02	3 0.074	1	GRO95/8021		7/5/2016	CJR	1
22.1		< 0.025		0.02	4 0.070	1	CD 005/9021		7/5/2016	CIR	1

1

CJR

7/5/2016

0.024 0.078 1 GRO95/8021

mg/kg

< 0.025

Invoice # E31303

Lab Code Sample ID Sample Matrix Sample Date	5031303H GP-5 8-10' Soil 6/29/2016	Result	Unit	LOD I	LOQ D	il	Method	Ext Date	Run Date	Analyst	Code
General											
General											
Solids Percent		76.9	%			1	5021		6/30/2016	NJC	1
Organic											
PVOC + Naph	thalene										
-	ulaiche	< 0.035	Ль	0.014	0.046	1	GRO95/8021		7/5/2016	CJR	1
Benzene Ethylbenzene		< 0.025 < 0.025	mg/kg mg/kg	0.014	0.045	1	GRO95/8021		7/5/2016	CJR	î
Methyl tert-butyl et	her (MTRE)	< 0.025	mg/kg	0.014	0.043	i	GRO95/8021		7/5/2016	CJR	1
Naphthalene	mer (WIBE)	< 0.025	mg/kg	0.0094	0.03	1	GRO95/8021		7/5/2016	CJR	1
Toluene		< 0.025	mg/kg	0.015	0.048	1	GRO95/8021		7/5/2016	CJR	1
1,2,4-Trimethylben	zene	< 0.025	mg/kg	0.011	0.036	1	GRO95/8021		7/5/2016	CJR	1
1,3,5-Trimethylben		< 0.025	mg/kg	0.012	0.038	1	GRO95/8021		7/5/2016	CJR	- 1
m&p-Xylene		< 0.05	mg/kg	0.023	0.074	1	GRO95/8021		7/5/2016	CJR	1
o-Xylene		< 0.025	mg/kg	0.024	0.078	1	GRO95/8021		7/5/2016	CJR	1
Lab Code	5031303I										
Sample ID	GP-6 1-3'										
Sample Matrix											
Sample Date	6/29/2016										
Sample Date	0/29/2010	Result	Unit	LOD	LOQ I	Ni)	Method	Ext Date	Run Date	Analyst	Code
0 1		Kesuit	Unit	LOD .	LOQ I	711	Method	Ext Dute	Run Dutt	Zanaryst	0000
General											
General											20
Solids Percent		78.4	%			1	5021		6/30/2016	NJC	1
Organic											
PVOC + Napl	nthalene										
Benzene		< 0.025	mg/kg	0.014	0.046	1	GRO95/8021		7/5/2016	CJR	1
Ethylbenzene		< 0.025	mg/kg	0.014	0.045	1	GRO95/8021		7/5/2016	CJR	1
Methyl tert-butyl e	ther (MTBE)	< 0.025	mg/kg	0.013	0.041	1	GRO95/8021		7/5/2016	CJR	1
Naphthalene		< 0.025	mg/kg	0.0094	0.03	1	GRO95/8021		7/5/2016	CJR	1
Toluene		< 0.025	mg/kg	0.015	0.048	1	GRO95/8021		7/5/2016	CJR	1
1,2,4-Trimethylbe		< 0.025	mg/kg	0.011	0.036	1	GRO95/8021		7/5/2016	CJR	1
1,3,5-Trimethylbe	nzene	< 0.025	mg/kg	0.012	0.038	1	GRO95/8021		7/5/2016	CJR	1
m&p-Xylene		< 0.05	mg/kg	0.023	0.074	1	GRO95/8021		7/5/2016	CJR	1

[&]quot;J" Flag: Analyte detected between LOD and LOQ

o-Xylene

SCHINDLER CONSTRUCTION

Project Name Project #

LOD Limit of Detection

0.024 0.078

1 GRO95/8021

Muchaelyllul

LOQ Limit of Quantitation

7/5/2016

CJR

1

Code Comment

< 0.025

Laboratory QC within limits.

mg/kg

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

Authorized Signature

	APPENDIX D
SOIL BO	RING LOGS AND
MONITORING WELL CONSTRUC	CTION LOGS AND
WELL DEVEL	OPMENT FORMS

	Wisconsi nt of Natural		Route To: rces Solid Was Emergenc Wastewate	te y Res	ponse	☐ Haz. Waste ☐ Undergrour ☐ Water Reso ☐ Other	nd Tanks				Borir 4400-1			rmation 7-91 Page 1 of 1
Facility / I	Project Nam	e			License /	Permit /Monit	oring / GEC	Proje	ct No.	Boring N	lumber			
	er Constru				2-0516	6-180								
			e and name of crew chief)	1	Drilling N	/lethod	Borehole I	Diameto	er		G-	1/	TW.	.1
	nvironme	ntal			l Ge	oprobe		2			9	• ,		•
Greg Ki			In a name of a second	In.		on State Plan	ne N,						DND (County Code
1	ing Started		Date Drilling Ended		•				Lat	44.225	57		DIVIN V	
6	5/29/2016		6/29/2016	SE	- NW, 8	Sect. 11,T20)N,R17E			-88.43				71
Local Gri	d Location (If appli	cable)	Cou	unty				Civil Tov	vn / City	/ Villag	е		
Feet S		Feet	: W	lwi	nnebago	D			City of	Menas	sha			
		_	VISUAL SOIL C				Sample	_	Graphic		Blow			
	n Below e/Elev. (ft)		Ground Surface Elev			1014	No.	uscs	Log	Well Diagram	Count	Odor	PID	Remarks
-		6" - G F		ation			1.0	GW	1-	100		_		
1 1	7		rown SILT, moist (Possib	le Bui	ried Topsoi	il)	-	OL	1211					
1—	-1,0-		sh brown, Silty CLAY, moi			.,	-		777	11				
1 7	2								////	- 11				Lab -
2—	-2.0						SS-1		////	11		No	0	sample
-	-								///	- 11				
3-	-3,0							. 1	1///	11				_
,	-4.0 							1	///	111				_
4	-4,U 								///					-
5 -	-5.0 								///	H				
-	0.5	1							116	Н	1			-
6—	-6.0	1					SS-2		///	H	1	No	0	
1	31 -	i							///.	ΙН	1			
7	-7.0	}							777.	Н	1			_
1 1	1	1							7/7					
8	-8.0	Reddi	sh brown, Silty CLAY, moi	ist to v	wet			CL	///	IH	1		1	-
1 7	-	1	•						1///	ΙH				
9	-9.0 —	1							7//					-
1,, -	40.0	Reddi	sh brown, Silty CLAY, wet				ss-3		144	lΗ		No	0	
10	-10.0 =	1	o o, o, o, v.				33-3		///	I A		NO	ľ	-
11	-11.0 -	1							1///	l H				
1 " 4		-							7//	ΙH	1			
12_	-12.0 —	<u> </u>					2011	ļ	7//.	ΙĦ	1	<u> </u>		-
1 4	-	Reddi	ish brown, Silty CLAY, with	n grav	el, wet				J/J	lН				:
13—	-13.0]							Y///	1 H				_
1 1		1					SS-4		1///		1	No	0	:
14.0	-14_0	-							///	H				-
1 1		1							I/I/I	I A				
15 —	-15.0 —		END OF BO	DINI	G: 15 0'		_				1	\vdash	T	
1 4		1	LIND OF BO	17114	J. 1J.U							1	1	
16.0	-16.0	1						1				1		-
1 470	47.0	1					1							0.9
17.0	-17.0 —													39
18.0	-18.0 —	1									1	1		

Portage WI 53901

Lines of demarcation represent approximate boundaries between soil types. Variations may occur between sampling intervals and between boring locations, and the transition may be gradual.

Brian Youngwirth Firm

General Engineering Company

916 Silver Lake Dr., P.O. BOX 340

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

Signature

State of Wisconsin Department of Natural Resources

Route To:	
☐ Solid Waste	☐ Haz. Waste
Emergency Response	Underground Tanks
☐ Wastewater	■ Water Resources
_	Other

Soil Boring Log Information Form 4400-122 7-91

Page 1 of 1

Facility / Project Nam				License /Permit /Monit	toring / GEC	Proje	ct No.	Boring N	lumber			
Schindler Constru			2-0516-180	· · · ·								
		and name of crew chief)		Drilling Method	Borehole [Diamet	er		G-	2/	ΓW-	·2
Kitson Environme Greg Kitson	ntai			Geoprobe		2						
Date Drilling Started		Date Drilling Ended	Bori	I ing Location State Plar	ne N, i	E		1			DNR C	ounty Code
6/29/2016		6/29/2016	l	- NW, Sect. 11,T20			Lat	44.225				71
					UN,KIIL		Long	-88.438				
Local Grid Location			Cou	nty				wn / City		е		
Feet S	Feet	VV	Wii	nnebago			City o	f Menas	ha			
Depth Below		VISUAL SOIL CL	ASS	SIFICATION	Sample		Graphic	Weil	Blow	Odor	PID	Remarks
Surface/Elev. (ft)		Ground Surface Eleva	tion:		No.	USCS	Log	Diagram	Count	Odoi	-10	Wellians.
-	6" - GR					GW	27					
1 -1.0	Reddis	h brown, Silty CLAY , moist	i				111					_
								1 11				4
2 -2.0					SS-1					Yes	1.5	4
1 1 1							177					
-3.0-	1						///	4 11				Lab sample
	1						V//	4 11				
4	ł						V//.	4 H			-	
	1						Y///	l H				4
5 -5.0	1						Y///	4 H				
	1						W.	l H		Very	١.,	-
6	1				SS-2		VZZ.	1 🗆		Slight	1.3	1
	1						17//	ΙH				
7	1						Y///	1 A				-
88.0	1					CL	1//	1 H				
	Reddis	sh brown, Silty CLAY, mois	t to v	vet .			1/1	1 H				-
99.0_	1						V//					
					22.0		V//	ΙН				l d
10 -10.0 -	Reddis	sh brown, Silty CLAY, wet			SS-3		VZ	4 H		Very Slight	0.3	-
1 1 :	1						177	1 🗆		J		1 7
11	-						1///	1 H	1			
	1						1///	1 A	1			-
-12.0	Reddis	sh brown, Silty CLAY, with	grav	el, wet		1	1//	7 日	1			1 7
-	-	-					V/I/	JΗ	1			-
-13.0	1				SS-4		1///	18	1	No	١,	1 7
14.0	1				33-4		1///	4 H	1	'"	ľ	177
14.0	-						V/I	4 H				-
15 -15.0 -	1						111	 	-	<u> </u>	_	
-	+	END OF BOI	RING	G: 15.0'					1			-
16.0	1					1					1	_
1 1	_						1		1			1
17.0 17.0	-					1			1	1	1	=
1	7											
18.018.0	_						1				1	=
	7											-
I hereby certify that the	ne inforr	nation on this form is true	and c	correct to the best of my	knowledge		**			-		
Signature	· ·	0.1		Brian Youngwirt		Ge		Engine	-	_	-	
1/5	ua	Jougn						er Lake Dr			10	
		0 0						Portage W	/1 5390	1		

Soil Boring Log Information State of Wisconsin Route To: Form 4400-122 Solid Waste Department of Natural Resources Haz. Waste **Emergency Response** Underground Tanks ☐ Wastewater Water Resources Other Page 1 of 1 License /Permit /Monitoring / GEC Project No. **Boring Number** Facility / Project Name 2-0516-180 Schindler Construction Boring Drilled By (Firm name and name of crew chief) **Drilling Method Borehole Diameter** GP-3 Kitson Environmental Geoprobe Greg Kitson **DNR County Code Boring Location State Plane** Ε Date Drilling Started Date Drilling Ended 44.22557 71 6/29/2016 6/29/2016 SE - NW, Sect. 11,T20N,R17E -88.438128 Long Civil Town / City / Village Local Grid Location (If applicable) County Feet S Feet W Winnebago City of Menasha VISUAL SOIL CLASSIFICATION Graphic Well Depth Below Diagram Surface/Elev. (ft) **Ground Surface Elevation:** uscs Count GW 3" - GRAVEL OL Dark brown SILT (Possible Buried Topsoil) Reddish brown, Silty CLAY, moist Lab SS-1 No -2.0 sample -3.0 -4.0 -5.0 SS-2 0 No -6.0 CL -7.0 Reddish brown, Silty CLAY, moist to wet -9.0 10 -10.0 **SS-3** No 0 Lab 11 -11.0 sample 12 -12.0 End of Geoprobe@ 12.0'

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

Signature

Brian Youngwirth Firm

General Engineering Company
916 Silver Lake Dr., P.O. BOX 340
Portage WI 53901

13

-13.0-

Soil Boring Log Information State of Wisconsin Route To: Solid Waste Form 4400-122 Department of Natural Resources ☐ Solid Waste ☐ Emergency F ☐ Wastewater Haz. Waste **Emergency Response** Underground Tanks Water Resources Other Page 1 of 1 License /Permit /Monitoring / GEC Project No. **Boring Number** Facility / Project Name 2-0516-180 Schindler Construction Boring Drilled By (Firm name and name of crew chief) **Drilling Method** Borehole Diameter GP-4 Kitson Environmental Geoprobe Greg Kitson DNR County Code Date Drilling Started **Boring Location State Plane** Е Date Drilling Ended 44.22557 71 6/29/2016 6/29/2016 SE - NW, Sect. 11,T20N,R17E -88.438128 Long Civil Town / City / Village Local Grid Location (If applicable) County Feet S Feet W City of Menasha Winnebago VISUAL SOIL CLASSIFICATION Graphic Well **Depth Below** Odor Remarks Dlagram Surface/Elev. (ft) Count **Ground Surface Elevation:** No. uscs 6" - GRAVEL GW Reddish brown, Silty CLAY, moist Lab **SS-1** No -2.0 sample -3.0 **-4**.0 -5.0

SS-2

SS-3

CL

0

0

Lab

sample

No

No

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

Signature

Brian Youngwirth Firm

General Engineering Company
916 Silver Lake Dr., P.O. BOX 340
Portage WI 53901

-6.0

-7.0

-9_0

-10.0

-11.0

-12.0

-13.0

10

13

Reddish brown, Silty CLAY, wet

End of Geoprobe@ 10.0'

State of Wiscons Department of Natur		Route To: rces Solid Wast Emergency Wastewate	/ Respo	Haz. Waste Undergroun Water Reso	nd Tanks				Borir 4400-1			rmation 7-91 Page 1 of 1
Facility / Project Na	me			_icense /Permit /Monit	oring / GE	C Proje	ct No.	Boring N	umber			
Schindler Consti				2-0516-180								
Kitson Environm		e and name of crew chief)	ľ		Borehole		er			GP	-5	
Greg Kitson	Cittai			Geoprobe		2						
Date Drilling Starte	d	Date Drilling Ended	Borin	g Location State Plan	ie N,	E					DNR (County Code
6/29/2016	3	6/29/2016	SE -	NW, Sect. 11,T20	N,R17E		Lat	44.225 -88.438				71
Local Grid Location	ı (If appli	cable)	Coun	tv			Long Civil To	-00.430 wn / City /		e		
Feet S	Feet		1	nebago				f Menas				
Depth Below	_	VISUAL SOIL CL			Sample	_	Graphic	Well	Blow			
Surface/Elev. (ft)		Ground Surface Eleva		. IOAIION	No.	USCS	Log	Diagram	Count	Odor	PID	Remarks
4	-6" - G I	RAVEL				GW	9					
	Reddis	sh brown, Silty CLAY, mois	t		=		777	ł				-
1—					1		V///	1				
1 7	7						V//)					
2 -2.0-	1				SS-1		(///			No	0	Lab
1 -	-				1		1/1/					sample _
3 -3.0-	-											
3 -3.0-							7//					-
1	1						1997					-
4	_				-	1	Y///					=
-	-					1	///					-
55.0-						1	1//					_
1 1	1					1	V///					-
6 -6.0-						l	1///	1		No	١٠	
1 3	1					CL	1//					
4	3					l	///	1				
-7,0-	7				SS-2	1	1///	1				7
1 1	1						1//	1				
-8.0	Reddi	sh brown, Silty CLAY, wet			_		V//	4			1	
1 1	+						1//	1				
9— -9.0-	-]						1//	1		No	0	Lab sample
1 1	1						1//	1				
10 -10.0							1//		ـــــ		<u> </u>	
1 1	-	End of Geop	robe	e@ 10.0'								

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

Signature

Brian Youngwirth Firm

General Engineering Company
916 Silver Lake Dr., P.O. BOX 340
Portage WI 53901

-12.0 =

-13.0-

State of Wisconsin
Department of Natural Resources

Route To:
Solid Waste Haz
Emergency Response Und
Wastewater Wa

Haz. Waste
Underground Tanks
Water Resources
Other

Soil Boring Log Information Form 4400-122 7-91

Page 1 of 1

					Пошег								rage 1011
	Project Nam				License /Permit /Moni	toring / GE	C Proje	ct No.	Boring N	umber			
	ler Constru				2-0516-180								
-			and name of crew chief)		Drilling Method	Borehole I	Diamet	er		GP	-6 /	TW	1-3
	Environme	ntal			Geoprobe		2			JI	J 1	. • •	
Greg K			D. (D. W	-		L						lava :	
Date Dril	lling Started		Date Drilling Ended	Bori	ing Location State Pla	ne N,	E	N .	44 225	-7		DNR C	County Code
•	6/29/2016		6/29/2016	SE	- NW, Sect. 11,T2	0N,R17E		Lat	44.2255				71
l ocal Gr	id Location (lf applie	l	Cou			-	Long Civil To	-88.438 wn / City /		Δ		
Feet S	id Location (Feet		1	-				-	_	-		
					nnebago			City of	Menas	na			
	th Below		VISUAL SOIL CL	.ASS	SIFICATION	Sample		Graphic	Well	Blow	Odor	PID	Remarks
Surfac	e/Elev. (ft)		Ground Surface Eleva	tion:		No.	uscs	Log	Diagram	Count	3201		amarka
-	100	4" - GR					GW	2-					
-		Dark bi	rown, Clayey SILT, moist	(Poss	sible Buried Topsoil)		OL	77/					-
1-7	-1,0	D	t have on the second			_		1//					
1-	-	Reddis	h brown, Silty CLAY, mois	t				1///					-
1	1												Lab -
2—-	-2.0 —-					SS-1		1///	H		No	0	sample _
	1							1/1/					oumpie _
-	-								H				-
3—	-3,0							1///	Ш				
-	7							1//	H				-
	-4.0 -							V/U	Ш				
7-	7.0							\mathcal{U}/\mathcal{I}	I FI				-
-	-							1///	H				*
5—	-5.0 —					1		1//					_
-								$V/\!/\!\!/$	ΙH				-
1	_							1///					
6	-6.0					SS-2		V//	H		No	0	_
	100						CL	1//					
-	/-						-	V///	H				-
7	-7.0 							1//	ΙЦ				-
-								1//	H				_
8.	-8.0 —							1/1/	ΙН				
, J	-5,0	Reddis	sh brown, Silty CLAY, mois	t to w	/et	O.M. II.		Y///	1 FI				18
:=	-							Y///	1 🖰				-
9_	-9.0 —							1//	 				
(i=								1/1/	ΙH				-
1	Ī							1///					3
10 —	-10.0 —	Reddie	sh brown, Silty CLAY, wet			SS-3		1///] H		No	0	-
1		, todals	2.0 mi, Only OLAT, Wet					1//					-
0								111	H				
11-	-11.0—	1						1//	l H	l		1	7
	1							1//	ΙH				1
12—	-12.0							111					
'	-120		End of Geop	rob	e@ 12.0'								3.5
	-							1					**
13—	-13.0 —							1					
	-	1					1	1					-
1	_	1						1				1	
14 —-	-14.0												-
I hereby	certify that the	e inforn	nation on this form is true a	and co	orrect to the best of my l	nowledge	-			-	•		
Signatur	e		0 1		Brian Youngwirt		Ge	neral E	nginee	ring (Comp	any	
	115	· ·	Jougn		7	1			r Lake Dr.	_	-	-	
	10		. 0 0					F	ortage WI	53901			

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.

Verification Only o	f Fill and Seal	Ro	ute to DNR Bu	11/2/2000	174-1-14					
		_	Drinking Wa	ter	L	Vatershed/Wa	stewater	Remed	diation/Redevelo _l	pment
			Waste Mana	igemen	t C	Other:				
1. Well Location Inform		البيادا سر				Owner Info	mation		100	44 U
	VI Unique Well#o Removed Well	f Hica	ap #		Facility Name	Sch	indler Cor	nstructi	on	
Latitude / Longitude (see ins	tructions)	Format Cod	e Method C	ode	Facility ID (FI	D or PWS)	9			
44.225570	N N	X DD	GPS	800		B -3				
-88.438128	w		SCR OTH		License/Perm	it/Monitoring # GE0	# 2-0816-	180		
1/4/1/4 SE 1/4 NW	Section	Townshi	ip Range	ΧE	Original Well	Owner				
or Gov't Lot #	11	20	N 17	$\exists w$			indler Co	nstruct	ion	
Well Street Address 1310 Earl St.					Present Well		indler Cons	truction		
Well City, Village or TOWN		V	Vell ZIP Code		FIRE CONTRACTOR 4255	ess of Present	Owner			
City o	f Menasha				2721 Man					
Subdivision Name		L	ot#		City of Preser Green Ba	nt Owner Y		State WI	ZIP Code	
Reason for Removal from S	ervice WI Unic	ue Well# o	f Replacement	Well	4 Pump Li	ner Screen	Casing & Se	aling Mate	orial	
Sampling completed					Pump and	piping remove	ed?	Ļ	Yes No	N/A
3. Filled & Sealed Well	/ Drillhole / Bore	ehole Info	rmation	2	Liner(s) re			Ļ	- Yes - No }	× N/A
Monitoring Well	Original Cor	nstruction D	ate (mm/dd/yy	уу)	Liner(s) pe			L	∐Yes ∐No ¦	X _{N/A}
Water Well	6/29/16				Screen rer			<u> </u>	」Yes □ No □	X N/A
			Report is availa	able,	Casing left	in place?				X _{N/A}
X Borehole / Drillhole	please atta	ch,	=		Was casin	g cut off belov	v surface?	L	-1	×N/A
Construction Type:						material rise		<u> X</u>		⊣N/A
Drilled Driven (Sandpoint) Dug					1	al settle after		<u> </u>	Yes X No	N/A
X Other (specify): _Geo	oprobe					was hole reto	• •	⊥ 	_ Yes	∐N/A
Formation Type:					with water	from a known	ised, were they had safe source?	ydraieu X	Yes No	LJ _{N/A}
Unconsolidated Forma	ation	Bedrock			Required Me	thod of Placin	g Sealing Materi	al		
Total Well Depth From Grou	und Surface (ft.)	Casing Diar	meter (in.)		Conduc	tor Pipe-Grav	ity Conduct	tor Pipe-Pun	nped	
						ed & Poured nite Chips)	X Other (E	:xplain): <u>G</u> l	ravity	
Lower Drillhole Diameter (in	1.)	Casing Dep	th (ft.)		Sealing Mate					
					Neat C	ement Grout		Concret	te	
Was well annular space grout	ted?	Yes T	No Uni	known	Sand-C	ement (Conci	rete) Grout	X Bentoni	te Chips	
		Yes	J L.		For Monitorin	ng Wells and N	Aonitoring Well E	Boreholes Oi	nly:	
If yes, to what depth (feet)?	Depth	to Water (f	feet)		Benton	ite Chips	Be	ntonite - Cei	ment Grout	
					Granula	ar Bentonite	Be	ntonite - Saı	nd Slurry	
5. Material Used to Fill	Well / Drillhole	16 31			From (ft.)	To (ft.)	No Yards, Sac Volume (ci		or Mix Ratio Mud Wei	
3/8" Bentonite Chips					Surface	12	3 bags			
6. Comments			er ner				74	110-2		
7 Supervision of Mark		HB - 0	K, EISSY U. 4	II ÇEL	7 850 1	- 40 10 10		DNR Us	e Only	
7. Supervision of Work Name of Person or Firm Do	oing Filling & Sealir	ng Licens	e# Da	te of Fil	lling & Sealing	or Verification	Date Receive		Noted By	
Brian Youngwirth	3				_{/yy)} 6/29/1					
Street or Route					elephone Num		Comments		-	
916 Silver Lake Dr.				(608) 742	2 -2 169				
City		State	ZIP Code		(A) = 57	Person Doing			Date Signed	
Portage		WI	53901		12.	· as	DAG.			

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.

Verification Only	of Fill and	Seal	Ro	ute to DNR B	ureau:						
				Drinking W	ater		Vatershed/Wa	stewater	Reme	diation/Redevel	opment
 :				Waste Mar	nagemen	t C	Other:				
1. Well Location Inform		all # of	N. C.			2. Facility /		mation		All the French	
County	WI Unique W Removed We		Hica	ap #		Facility Name	Schi	indler Con	structi	on	
Winnebago	THE PERSON NAMED IN COLUMN NAM					Facility ID (FII	O or PWS)				
Latitude / Longitude (see in	structions)	Fo	rmat Cod		Code S008		B-4				
44.225570		N	XDD		R002	License/Perm	it/Monitoring #	<i>‡</i>			
-88.438128		w		। ∐от	H001			C# 2-0816-	180		
1/4 / 1/4 SE 1/4 NW	Sec	ion	Townshi	ip Range	ΧE	Original Well					
or Gov't Lot #	11	l	20	N 17	\square w			indler Co	nstruct	ion	
Well Street Address 1310 Earl St.			•			Present Well		indler Cons	truction		
Well City, Village or TOWF)		V	Vell ZIP Code)		ss of Present	Owner			
City	of Menasha	W				2721 Man					
Subdivision Name		•	L	_ot #		City of Preser Green Ba	nt Owner y		State WI	ZIP Code	
Reason for Removal from	Service W	I Unique	e Well#c	of Replacemen	nt Well			Casing & Sea	alina Mate		X _{N/A}
Sampling completed		-			1		piping remove	ed?	F	_Yes	N/A N/A
3. Filled & Sealed Wel						Liner(s) re			F	□Yes □No □Yes □No	N/A N/A
Monitoring Well	_		truction D	ate (mm/dd/y	/yyy)	Liner(s) pe Screen rer			F	Yes No	X N/A
Water Well		9/16			n v.c.	Casing left in place?					
X Borehole / Drillhole		/ell Con e attach		Report is ava	ilabie,		g cut off below	v surface?		J _{Yes} □ _{No}	X _{N/A}
Construction Type:						4	g cat on below g material rise		[]	Yes No	□ _{N/A}
	Driven (Sandp	oint)		Dug		1	al settle after 2			Yes X No	□N/A
X Other (specify): _Ge	` '	011117	L] 2 4 9		If yes,	was hole reto	pped?		☐Yes ☐No	□ N/A
Formation Type:	соргове							ised, were they h	ydrated x	Yes \square_{No}	$\square_{N/A}$
Unconsolidated Formation Bedrock						from a known thod of Placing	g Sealing Materia		100 -110		
Total Well Depth From Ground Surface (ft.) Casing Diameter (in.)					tor Pipe-Grav	· _ ·	or Pipe-Pur	mped			
Total Well Depart Total Cit	Juna Gariago	(,	aomig Diam	()			ed & Poured nite Chips)	X Other (E	xplain): <u>G</u>	ravity	
Lower Drillhole Diameter (in.)	C	asing Dep	oth (ft.)		Sealing Mate					
						Neat C	ement Grout	[Concre	te	
Was well annular space gro	uted?		es Tu	No □U	nknown	Sand-C	Cement (Concr	rete) Grout	X Bentoni	ite Chips	
			es	J		For Monitorin	ng Wells and N	Aonitoring Well B	oreholes O	nly:	
If yes, to what depth (feet)?	Depth t	o Water (feet)		Benton	ite Chips	Ber	ntonite - Ce	ment Grout	
						Granula	ar Bentonite		ntonite - Sa		
5. Material Used to Fil	l Well / Drill	hole				From (ft.)	To (ft.)	No. Yards, Sack Volume (cir		or Mix Rat Mud W	
3/8" Bentonite Chips						Surface	12	3 bags	/		
6. Comments			- 31=			THE STA	I IS MIN Y	11111111111	Malley 6		MIO
8											
7. Supervision of Wo		Onella						n Date Receive	DNR Us	Noted By	
Name of Person or Firm D	Joing Hilling &	sealing	Licens			illing & Sealing yyy) 6/29/1		n iDate Received	•	INOIGU DY	
Brian Youngwirth Street or Route						elephone Nun		Comments			
916 Silver Lake Dr.					[608) 742					
City			State	ZIP Code		Signature of	Person Doing	Work	Ī	Date Signed	
Portage			WI	5390	1	1-8	ian as	Journal			

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.

Verification Only	of Fill and	l Seal	R	oute t	o DNR Bureau:							
					rinking Water		Watershed/W	astewater	Remed	diation/Redevelopment		
				w	aste Managemer	t 🗌	Other:					
1. Well Location Inforn				-W.	(5 - 173		Owner Info	ormation	4 1- Tu			
County Winnebago	WI Unique \ Removed W		Hi	cap#		Facility Nam	[®] Sch	nindler Cor	nstructi	on		
Latitude / Longitude (see in	etructions)	10	ormat Co	odo	Method Code	Facility ID (F	ID or PWS)					
44.225570	istructions)	N	XDD		GPS008		B-:					
-88.438128	W DDM DTH001					License/Permit/Monitoring # GEC # 2-0816-180						
1/4 / SE 1/4 NW	Se	ction	Towns	hip	Range X F	E Original Well Owner						
or Gov't Lot # 11 20 N 17 W						Schindler Construction						
Well Street Address 1310 Earl St.						Present Wel		nindler Cons	truction			
Well City, Village or TOWN				Well	ZIP Code	Mailing Addr	ess of Presen	t Owner		=======================================		
City o	of Menash	а				2721 Mai	nitowoc Rd					
Subdivision Name				Lot #		City of Prese Green Ba	ent Owner By		State WI	ZIP Code		
Reason for Removal from	Service	NI Uniqu	ıe Well#	of Re	placement Well	4 Pump I	iner Scree	n Casing & Se	aling Mate	rial		
Sampling completed		,		_		Pump and	d piping remov	red?	<u> </u>	Yes No XN/A		
3. Filled & Sealed Well						Liner(s) re				Yes No XN/A		
Monitoring Well	Origi	nal Con	struction	Date	(mm/dd/yyyy)	Liner(s) perforated? Yes No X N/A Screen removed? Yes No X N/A						
Water Well		29/16				Screen removed? Casing left in place? Yes No N// Yes No X N//						
X Borehole / Drillhole		Well Cor		n Repo	ort is available,							
Construction Type:	pice	isc allac				1	ng cut off belo		X	Yes No N/A		
	Oriven (Sand	naint\	Г	Dug	_	Did sealing material rise to surface? Did material settle after 24 hours? Did material settle after 24 hours? MYes No N/A						
	•	point)	L		3	()	, was hole reto		Ė	Yes No N/A		
X Other (specify): _Ge	oprobe					If bentoni	te chips were	used, were they h	ydrated 🔽	Yes No NA		
Formation Type:	_4:] _D	1.				n safe source?		JYes □No □N/A		
Unconsolidated Form		// lo	Bedroc				etnod of Placir ctor Pipe-Grav	ng Sealing Materia	al or Pipe-Pun	anad		
Total Well Depth From Gro	ound Surface	: (π.) C	asing Di	amete	r (in.)	Screen	ned & Poured nite Chips)	X Other (E		•		
Lower Drillhole Diameter (i	n.)		asing De	epth (ft	:.)	Sealing Mat		·				
495491.65911	•				,	☐ Neat C	Cement Grout		Concret	е		
Was well annular space grou	ıted?		Yes [√ No	Unknown	Sand-	Cement (Cond	rete) Grout	X Bentonit	te Chips		
			[3	X No		For Monitori	ng Wells and	Monitoring Well B	oreholes Or	nly:		
If yes, to what depth (feet)	?	Depth	to Water	(feet)		Bento:	nite Chips	☐ Ber	ntonite - Cer	ment Grout		
						Granu	lar Bentonite	Ber	ntonite - Sar	nd Slurry		
5. Material Used to Fil	l Well / Dri	llhole	Lillian.	188		From (ft.)	To (ft.)	No. Yards, Sacl Volume (cir		r Mix Ratio or Mud Weight		
3/8" Bentonite Chips						Surface	12	3 bags				
C C									-			
6. Comments				E 7 E								
	100											
7. Supervision of Wor Name of Person or Firm D		2 Sealing	Licer	nse #	Date of Fil	ling & Coolin	g or Verificatio	n Date Receive	DNR Us	e Only Noted By		
Brian Youngwirth		ocami		.эо п		ryy) 6/29/1		Date Necolve				
Street or Route						elephone Nur		Comments				
916 Silver Lake Dr.					(608) 74	2 -2 169					
City			State	ZIP	Code	1.5	Person Doing		D	ate Signed		
Portage			WI		53901	15	rian a	Somme				

State	of	Wi	sco	nsir	ı		
D			E & I - 4	1	ь.	 	

MONITORING WELL CONSTRUCTION

Department of Natural Resources		Form 4400-113		.90
Route ⁻ Env. R		az. Waste Was nderground Tanks	tewater 🔲 Other 🔲	
Facility / Project Name	Local Grid Location of	Well	Well Name	
Schindler Construction	Feet S Feet W		TW-1	
License /Permit /MES No.	Grid Origin Location		Wis. Unique No.	
2-0516-180			N/A	
Type Of Well	Section Location of Wa	aste / Source	Date Well Installed	
Water Table Observatid 1 Piezometer 1	SE - NVV, Section 1		6/29/2016	
Distance Well is From Waste/Source Boun	u Upgradient	s Sidegradient	Well Installed By: (Persons Name & Fir Greg Kitson	rm)
Is Well a Point of Enforcement Std. Applica	d downgradient	n Not Shown	Kitson Environmental	
100 110			•	
A. Protective pipe, top elevation	ft, MSL	1. Cap and Lock? 2. Protective cover		No
D. Mell anning Armalaustina	_ \	a, Inside diame	eter: în	
B. Well casing, top elevation	— ft. MSL	b Length: C. Material	ft Stee	4
C, Land surface elevation	ft, MSL	ł	Other	
D. Surface seal, bottom	t. \	d. Additional p		No ———
40 11000 01 11 11 11	7111	3. Surface seal:		30
12. USCS Classification of soil near screen: GP GM GW SW		N	Concrete Other	1
SM SC ML CL				
Bedrock		4. Material between	n well casing and protective pipe: Bentonite X	30
13.Sieve analysis attached? Yes	X №		Annular space sea	50
•	Rotary50	<u> </u>		
Hollow stem Geoprobe	auger 41 Other X	5. Annular space s	State of the State	33 35
		c Lbs/ga	al mud weightBentonite slurry	31
15, Drilling fluid used: Water 02 Drilling Mud 03	Air 50 None X 41		ntoniteBentonite-cement grout 5	50
		f. How installed:	Tremie	1
16. Drilling additives used? Yes Describe	X No		· · · —	2 8
17. Source of water (attach analysis)		6. Bentonite seal:	a. Bentonite Granules	33
		b1¼ inX	3/8 in. 1/2 in Bentonite pellets X Other	32
E. Bentonite seal, top ft. MSL	or 0.5 ft.		terial: Manufacture, product name and mesh si	ize
F. Fine sand, topft. MSL	or <u>0.0 ft</u>	a. None v. Volume added	ft3	
G. Filter pack, top ft. MSL	or <u>0.0 ft.</u>		aterial: Manufacture, product name and mesh s	size
H. Screen joint, top ft. MSL	or	a. None v. Volume added	ft3	
I. Well bottom ft. MSL	or15.0_ft.	9.Well casing:		23 24
J. Filter pack , bottomft. MSL	or15.0 ft.	\	Other	24
K. Borehole, bottom ft. MSL	or	10. screen Mate a: Screen type		11
L. Borehole, diameter 1.25 in			50 [T-2]	1
M. O.D. Well casing 1.66 in	L.	b: Manufacture c: Slot size:		
N. I.D. Well casing 1.28 in		d. Slotted leng		
		11.Backfill Mate	rial: None X 1	14

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

Signature

O A IFIRM General English

General Engineering Company
916 Silver Lake Dr., P>O> Box 340
Portage, WI 53901

State of Wisconsin
Department of Natural Resources

MONITORING WELL CONSTRUCTION

Department of Natural Resources	Form 4400-113A Rev. 4-9	90
Route To: Env. Respon	Solid Waste Haz. Waste Wastewater Horse & Repair Underground Tanks Other	
Facility / Project Name	Local Grid Location of Well Well Name	
Schindler Construction	Feet S Feet W TW-2	
License /Permit /MES No.	Grid Origin Location Wis. Unique No.	
2-0516-180	N/A	
Type Of Well	Section Location of Waste / Source Date Well Installed	\neg
Water Table Observation 11 Piezometer 12	SE - NW, Section 11, T20N, R17E 6/29/2016	
Distance Well is From Waste/Source Boundary	Location to Well Relative to Waste/Source Well Installed By: (Persons Name & Firm U Dygradient s Sidegradient Greg Kitson	m)
Is Well a Point of Enforcement Std. Application	d downgradient n Not Shown	
Yes No	Kitson Environmental	
A. Protective pipe, top elevation	1. Cap and Lock? Yes No	Ю
P. Well assists for algorithm	a, Inside diameter:	
B. Well casing, top elevation	_ft. MSL b. Length: ft C. Material Stee 4	4
C. Land surface elevation	ft, MSLOther	
D. Surface seal, bottom	d. Additional protection? If yes, describe: PVC Cap	
12. USCS Classification of soil near screen:	3. Surface seal: Bentonite X 30	
GP GM GW SW SW	SP Other	1
SM SC ML CL X	CH -	
Bedrock	4. Material between well casing and protective pipe: Bentonite X 30	0
13.Sieve analysis attached? Yes X	No Annular space sea	
14. Drilling method used: Rotan	y50	
Hollow stem auge Geoprobe Othe	b Lbs/gal mud weight Bentonite-sand sturry 35	
15. Drilling fluid used: Water 02 Ai	cLbs/gal mud weightBentonite slurry 3	
	ir50 d8 Bentonite	U
16. Drilling additives used? Yes	f. How installed; Tremie 1 No Tremie pumped 2	1 2
Describe	Gravity X 8	
17. Source of water (attach analysis)	, 6. Bentonite seal: a. Bentonite Granules 3:	33
	b, 1/2 in, X 3/8 in, 1/2 in Bentonite pellets X 3/2	32
E. Bentonite seal, top ft. MSL or	0.5 ft. 77. Fine sand material: Manufacture, product name and mesh siz	ze
F. Fine sand, top ft, MSL or	a. None v. Volume added ft3	
G. Filter pack, topft, MSL or	0.0 ft. 8. Filter pack material: Manufacture, product name and mesh size	ize
H. Screen joint, topft, MSL or	a. None v. Volume added ft3	
I. Well bottomft. MSL or	1,3,4,3,6,7	23
J. Filter pack , bottomft. MSL or	Flush threaded PVC schedule 80 2.	24
K. Borehole, bottomft. MSL or	10. screen Material: a: Screen type: Factory Cut 10. screen Material:	ia.
L. Borehole, diameter 1.25 in	/ electrical	1
M. O.D. Well casing 1.66 in	b: Manufacture Diedrich	
N. I.D. Well casing 1.28 in	c: Slot size: d, Slotted length: 0.01 In. 10 It.	
	11.Backfill Material: None X Other Other	4

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

Signature

General Eng

Brian Jougn

MONITORING WELL CONSTRUCTION State of Wisconsin Form 4400-113A Department of Natural Resources Solid Waste Haz. Waste Wastewater Route To: Other Env. Response & Repair Underground Tanks Local Grid Location of Well Well Name Facility / Project Name TW-3 Schindler Construction Feet W **Grid Origin Location** Wis. Unique No. License /Permit /MES No. N/A 2-0516-180 Section Location of Waste / Source Date Well Installed Type Of Well Water Table Observation 6/29/2016 11 SE - NW, Section 11, T20N, R17E Piezometer 12 Well Installed By: (Persons Name & Firm) Location to Well Relative to Waste/Source Distance Well is From Waste/Source Boundary Greg Kitson Sidegradient u Dpgradient Is Well a Point of Enforcement Std. Application downgradient Not Shown nГ Kitson Environmental Yes Yes No 1. Cap and Lock? \mathbf{X} A. Protective pipe, top elevation ft. MSL 2. Protective cover pipe: a. Inside diameter: B. Well casing, top elevation ft, MSL b: Length: ft C. Material Stee Other C. Land surface elevation ft. MSL d. Additional protection? X Yes No PVC Cap If yes, describe: D. Surface seal, bottom 3. Surface seal: 30 Bentonite 12. USCS Classification of soil near screen: Concrete 1 GW [SW SP GP GM SM SC ML [CL CH 4. Material between well casing and protective pipe: Bedrock Bentonite X 30 13. Sieve analysis attached? X No Annular space sea Yes Other 14. Drilling method used: Rotary 50 Hollow stem auger 5. Annular space seal a. Granular Bentonite X 35 Geoprobe Other X b. ___ Lbs/gal mud weight Bentonite-sand slurry c. Lbs/gal mud weightBentonite slurry d.____ % BentoniteBentonite-cement grou 50 15. Drilling fluid used: Water 02 ΑirΓ ----Drilling Mud None X 41 _ Ft3 volume added for any of the above f. How installed: Tremi 16. Drilling additives used? ☐ Yes X No Tremie pumpe 2 Describe 17. Source of water (attach analysis) 6. Bentonite seal: a. Bentonite Granules 33 1/2 in Bentonite pellets X 32 ---b. 1/4 in. X 3/8 in. 7. Fine sand material: Manufacture, product name and mesh size E. Bentonite seal, top ft, MSL or 0.5 ft. a. None F. Fine sand, top 0.0 ft. v. Volume added ft. MSL or 8, Filter pack material: Manufacture, product name and mesh size G. Filter pack, top ft. MSL or 0.0 ft. a. None H. Screen joint, top ft. MSL or 2.0 ft. v. Volume added

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

ft. MSL or

ft. MSL or

ft. MSL or

1.25 in

1.66 in

1.28 in

12.0 ft.

12.0 ft.

Brian Jougn

I. Well bottom

J. Filter pack, bottom

K. Borehole, bottom

L. Borehole, diameter

M. O.D. Well casing

N. I.D. Well casing

Signature

9.Well casing:

10. screen Material:

a: Screen type:

b: Manufacture

d. Slotted length:

11.Backfill Material:

c: Slot size:

Flush threaded PVC schedule 40X

Factory Cut X

Other

tt.

14

None X

Other

Continuous slot

0.01

10

Flush threaded PVC schedule 80

Diedrich

23