

February 1, 2021

Project Reference #11516

Mr. Joseph Martinez Wisconsin Department of Natural Resources 2300 N. Dr. Martin Luther King, Jr. Drive Milwaukee, WI 53212

e-mail: Joseph.Martinez@wisconsin.gov

Subject: Hexavalent Chromium Investigation Summary Report

Former Try-Chem Corp, 1333 West Pierce Street, Milwaukee, WI 53204

BRRTS #02-41-409441

Dear Joseph:

The Sigma Group, Inc. (Sigma) has prepared this letter report to document the recent hexavalent chromium investigation activities completed at the Former Try-Chem Corp property (hereinafter, referred to as the "site"). The subsurface investigation work was completed to assess potential subsurface soil and groundwater impacts related to the historic use of the site as requested in the Wisconsin Department of Natural Resources' (WDNR) March 2020 letter¹.

BACKGROUND

The former Try-Chem property has been historically occupied by manufacturing facilities which conducted paint stripping, electroplating, painting, and metal finishing services. The site's industrial / manufacturing history and documented improper materials management have resulted in the presence of soil and groundwater impacts.

Investigation activities completed at the site between 1989 and 2002 indicated that site soils were impacted with elevated concentrations of select volatile organic compounds (VOCs), polynuclear aromatic hydrocarbons (PAHs), and Resource Conservation and Recovery Act (RCRA) metals, with more limited amounts of select polychlorinated biphenyls (PCBs), pesticides, and cyanide. Select chlorinated volatile organic compounds (CVOCs) were the main contaminants of concern. The CVOC constituent methylene chloride, which was used for laboratory processing and is considered to be a common laboratory contaminant, was also identified in several soil samples at concentrations greater than ch. NR 720 groundwater pathway Residual Contaminant Levels (RCLs). In addition, site groundwater was noted to be impacted by elevated concentrations of select CVOCs, arsenic, and cyanide.

¹ Request for Additional Information, Try-Chem Corp., 1333 W. Pierce Street., Milwaukee, WI 53204, DNR BRRTS # 02-41-409441, FID # 241078530 by WDNR (dated March 10, 2020).

Based on the presence of soil and groundwater impacts exceeding WDNR standards, a two-foot clean clay engineered barrier was constructed in 2013 for purposes of eliminating the potential for direct contact associated with residually impacted soil and to limit additional release of residual impacts to the groundwater via infiltration of precipitation. Groundwater monitoring has been conducted on a periodic basis since 2013 to evaluate the impact of the low permeability cap and natural attenuation processes.

Following completion of the site investigation, Sigma submitted a Case Closure report in November 2019 which summarized all site investigation activities completed at the site to date and recommended conditional case closure for the site. The WDNR responded in a letter in March 2020 requesting additional site information to support the case closure request.

HEXAVALENT CHROMIUM INVESTIGATION ACTIVITIES

In response to WDNR request Sigma performed the following investigation activities to assess soil and groundwater conditions at the site related to potential hexavalent chromium contamination.

<u>Utility Clearance.</u> Sigma contacted Digger's Hotline prior to initiating field activities to locate public utility lines at the site. Sigma communicated with utility locators and verified that public utilities would be marked prior to drilling work.

<u>Drilling Activities.</u> On October 14, 2020, Sigma mobilized to the site to advance a total of eight soil borings. Due to borehole refusals and other site constraints, a total of 22 soil borings were advanced at the site in nine locations (soil borings SB-19, SB-20, SB-21a through SB-21c, SB-22, SB-23a through SB-23c, SB-24a through SB-24d, SB-25, SB-26a through SB-26g, and SB-27) to depths of three to 12 feet below ground surface (bgs). Soil boring locations that encountered refusal include letters based on the number of refusals (i.e., SB-21a, SB-21b, SB-21c). The soil boring locations were selected based on the historic processes performed at the site. The locations of all advanced soil borings are shown on **Figure 1**.

The soil borings were completed with a truck mounted Geoprobe® hydraulic drill rig. Soil samples were continuously collected with a 2.5-inch diameter by four-foot long MacroCore® sampler at each soil boring location. The soil samples were described on the basis of color, texture, grain size, and plasticity, and were classified in general accordance with the Unified Soil Classification System (USCS), and also screened in the field with a calibrated photoionization detector (PID) for the presence of VOCs. Soil classifications, descriptions, specific sampling intervals, and PID readings are presented on the soil boring logs in **Attachment 1**.

<u>Soil Sampling.</u> One to two soil samples from soil borings SB-19, SB-20, SB-21c, SB-22, SB-23c, SB-24d, SB-25, SB-26e and SB-27 were containerized in laboratory-supplied jars and vials and submitted for laboratory analysis of total chromium by EPA Method 6010B

and hexavalent chromium by EPA Method 7199. Due to the history of non-compliant waste management and facility operation activities at the site, shallow fill material was identified in certain sections of the site below the clay surface cap. The sample intervals selected for laboratory analysis were based on the depth of previously identified impacts or the presence of fill material as observed at the time of drilling. All soil samples were collected from native soil or fill material from below the two-foot clean clay cap installed at the site in 2013.

Monitoring Well Installation. Monitoring wells MW-12 and MW-13 were installed in soil borings SB-25 and SB-27, respectively, following soil boring advancement on October 14, 2020. Both monitoring wells consisted of one-inch diameter pre-pack PVC well screen (10-feet length) connected to a one-inch diameter solid PVC riser pipe that was lowered to the bottom of each borehole to allow for the collection of groundwater samples (see discussion below). Sigma received WDNR approval (Attachment 2) to install one-inch diameter monitoring wells as ch. NR 141 compliant monitoring wells in an email dated July 31, 2020. The monitoring well construction forms are included in Attachment 3.

<u>Borehole Abandonment.</u> Soil borings SB-19, SB-20, SB-21a through SB-21c, SB-22, SB-23a through SB-23c, SB-24a through SB-24d, and SB-26a through SB-26g were abandoned following soil sample collection in accordance with ch. NR 141 by filling the boreholes with hydrated bentonite chips to ground surface elevation. The borehole abandonment forms are included in **Attachment 4**.

<u>Surveying.</u> On October 14, 2020 following soil boring advancement, Sigma surveyed the locations and elevations of each of the soil borings and monitoring wells with a Trimble R8 GPS receiver. Elevations were referenced to Mean Sea Level (MSL). The soil boring and monitoring well locations are presented in **Figure 1**.

Groundwater Sampling. On October 22, 2020, Sigma measured the depth to groundwater and bottom in existing monitoring wells MW-2A, MW-2R, and MW-4R and new monitoring wells MW-12 and MW-13 with an electronic water level indicator relative to the top of the PVC casing and then collected grab groundwater samples from each monitoring well. The grab groundwater samples were submitted for laboratory analysis of dissolved chromium by EPA Method 6010B and hexavalent chromium by EPA Method 7199. The groundwater samples were collected with a peristaltic pump (utilizing low-flow techniques to limit sediment infiltration) with new tubing at each well. The dissolved chromium samples were also field filtered with a 0.45-micron filter. The groundwater samples were placed into laboratory-supplied glass vials with nitric acid preservative, stored in a cooler with ice, and submitted to the laboratory for analysis.

<u>Investigative Waste.</u> Minimal excess soil was generated during the Geoprobe® soil drilling process. Considering the de minimis amount the excess soil was disposed of as solid waste at a license landfill facility with other used sampling items and personal protective equipment. Purge water generated during well development and sampling was containerized in a labeled 55-gallon drum and kept on site until laboratory results were received and proper groundwater disposal could be coordinated.

HEXAVALENT CHROMIUM INVESTIGATION RESULTS

Geology. The surficial composition of the accessible areas of the site investigated during sampling included vegetated topsoil underlain by a two-foot brown silty to sandy clay cap. Soils encountered below the surface cap generally consisted of silty clay with occasional sandy to gravelly lenses. A one-to-four-foot think layer of fill material consisting of gravelly clay with trace amounts of non-soil inclusions (brick fragments) was identified in the center of the site in the locations of soil borings SB-21, SB-22, SB-23, and SB-25. Borehole refusal was encountered at soil boring locations SB-21, SB-23, SB-24, and SB-26 at depths of three to seven feet bgs. It is likely the refusals were caused by buried footings or floor slabs from the former Try-Chem building. Bedrock was not encountered to the depth evaluated at the soil borings locations. The specific soil characteristics and depths encountered during drilling activities are presented in the soil boring logs included as **Attachment 1**.

<u>Hydrogeology.</u> Water level measurements collected on October 22, 2020 at each of the monitoring wells sampled ranged from approximately four feet bgs (MW-12) to eight feet bgs (MW-2R). Based on the depth to groundwater measurements collected, shallow groundwater is interpreted to flow to the north following topography towards the Menomonee River Valley as shown on **Figure 2**. Groundwater elevation data is presented on **Table 1**.

<u>Soil Quality Results.</u> Laboratory analytical data for soil samples collected from soil borings SB-19 through SB-27 are summarized in **Table 2**. A total of 16 soil samples were submitted for laboratory analysis of total chromium and hexavalent chromium. The data available are presented with a comparison to ch. NR 720 RCLs for the protection of groundwater and direct contact (for both non-industrial and industrial land use) pathways. The Background Threshold Values (BTVs) for RCRA metals are also presented in the data table for reference. A copy of the soil laboratory analytical report is included as **Attachment 5**.

A summary of the analytical results follows:

- Total Chromium Total chromium was detected in every soil sample analyzed. All reported concentrations were well below ch. NR 720 RCLs and all but two of the concentrations (soil samples SB-21c [six to eight feet bgs {6-8}] and SB-24 [2-4]) were below BTVs.
- Hexavalent Chromium Hexavalent chromium was detected in five of the soil samples analyzed. Concentrations of hexavalent chromium greater than its ch. NR 720 non-industrial direct contact RCL were reported in soil samples SB-21c (2-4), SB-21c (6-8), SB-23c (2-4), and SB-25 (2-4). A review of the detected hexavalent chromium soil data indicates a direct correlation between the total chromium concentrations and the hexavalent chromium concentrations. In general, relatively high concentrations of hexavalent chromium were detected in soil samples which also contained relatively high concentrations of total chromium and vice versa. It

is also noteworthy that the hexavalent chromium ch. NR 720 RCL exceedances were reported in soil borings that contained fill material and the soil borings are located in the vicinity of the historical process operations (**Figure 1**). All soil samples were collected from native soil or fill material from below the two-foot clean clay cap installed at the site in 2013.

Groundwater Quality Results. The laboratory analytical data for grab groundwater samples are summarized in **Table 3**. The groundwater elevation data is summarized in **Table 1**. A total of five monitoring wells were sampled for dissolved chromium and hexavalent chromium. Neither analyte was reported in any of the monitoring wells sampled at concentrations greater than the laboratory limit of detection (LOD). A copy of the groundwater laboratory analytical report is included as **Attachment 6**.

CONCLUSIONS

Based on soil and groundwater investigation activities completed in late 2020, site soil appears to be impacted with total chromium. Of the sixteen soil samples analyzed, only two contained total chromium concentrations exceeding the background threshold value. Hexavalent chromium was detected in four soil samples collected from three boring locations representing shallow and deep soil impacts. The detected concentrations are slightly above the ch. NR 720 non-industrial direct contact RCL and the impacted soil borings are located in the vicinity of the historical process operations. Although chromium impacts were detected in soil, no groundwater chromium impacts are present at the site. Considering the limited hexavalent chromium impacts in soil, no additional investigation is warranted.

RECOMMENDATIONS

Given recent developments regarding regulation of emerging contaminants, including Perfluoroalkyl and Polyfluoroalkyl Substances (PFAS), the WDNR has requested additional information regarding potential historic use of PFAS-containing products at the site. Therefore, Sigma proposes to gather and review relevant site historical information including available records regarding materials likely historically used, stored, or handled at the site. The results of this assessment will be presented to the WDNR in a letter report following the completion of the historical information review.

Considering the period of time since the last use of the site for manufacturing purposes, current site status, interviews, Safety Data Sheets (SDSs), and a walkthrough would be unlikely to yield much information. Therefore, Sigma proposes a review of historic resources including documents and reports available from the Milwaukee Public Library, the Wisconsin Historical Society, and the UW-Milwaukee Area Research Center, as well as environmental reports and state RCRA records.

If after completing the site history and records review described above Sigma identifies historic use of PFAS-containing products (or cannot exclude the potential use of these chemicals), Sigma will work with the City of Milwaukee and the WDNR to develop a

scope of work to evaluate potential releases at the site in order to satisfy the requirements of ch. NR 716 with regard to the appropriate emerging contaminants. Should no evidence of the former use of emerging contaminants be obtained, Sigma will update the Case Closure Report to document the completion of the emerging contaminant evaluation and hexavalent chromium investigation.

If you have any questions or need additional assistance, please call us at (414) 643-4200.

Sincerely,

THE SIGMA GROUP, INC.

Steven V. Kikkert, P.E.

Staff Engineer

Mafizul Islam, P.E. Senior Engineer

Enclosures:

Table 1 - Water Level Elevations

Table 2 - Soil Analytical Results

Table 3 – Groundwater Analytical Table

Figure 1 - Borehole Location Map with Approximate Historic Process Locations

Figure 2 – Groundwater Contour Map

Attachment 1 - Soil Boring Logs

Attachment 2 - NR 141 Variance Approval

Attachment 3 - Well Construction Forms

Attachment 4 - Borehole Abandonment Forms

Attachment 5 – Soil Laboratory Analytical Report

Attachment 6 - Groundwater Laboratory Analytical Reports

Cc: Mathew Reimer / City of Milwaukee

Table 1 **Water Level Elevations** 1333 West Pierce Street, Milwaukee, Wisconsin Sigma Project No. 11516

MW-2A									
Ground Elev.:	611.14	(feet MSL)				Screer	ı Interval:	5.1 to 15.1	(feet bgs)
TOC Elev.:	611.21	(feet MSL)						606.0 to 596.0	(feet MSL)
Date	Depth to Groundwater (feet TOC)	Well Depth (feet TOC)	Water Column (feet)	Water Column Difference (feet)	Groundwater Elevation (feet MSL)	Depth to Groundwater (feet bgs)	Physical O	bservations	
5/1/18	7.09	14.95	7.86	-0.04	604.12	7.02	Clear, good	d recovery	
3/8/19	7.14	14.95	7.81	-0.05	604.07	7.07	Clear, good	d recovery	
10/22/20	7.13	14.90	7.77	-0.04	604.08	7.06	Mostly clea	ar, no odor, good recov	ery.

MW-2R									
Ground Elev.:	614.16	(feet MSL)				Screer	n Interval:	7.8 to 17.8	(feet bgs)
TOC Elev.:	613.76	(feet MSL)						606.4 to 596.4	(feet MSL)
	Depth to		Water	Water Column	Groundwater	Depth to			
Date	Groundwater	Well Depth	Column	Difference	Elevation	Groundwater	Physical O	bservations	
	(feet TOC)	(feet TOC)	(feet)	(feet)	(feet MSL)	(feet bgs)			
5/1/18	6.61	17.15	10.54	1.03	607.15	7.01			
3/8/19	7.41	17.15	9.74	-0.80	606.35	7.81	Clear, mod	erate recovery	
10/22/20	7.72	17.15	9.43	-0.31	606.04	8.12	Mostly clea	ır, no odor, moderate ı	recovery.

MW-4R									
Ground Elev.:	614.70	(feet MSL)				Screen	Interval:	4.3 to 14.3	(feet bgs)
TOC Elev.:	614.35	(feet MSL)						610.5 to 600.5	(feet MSL)
	Depth to		Water	Water Column	Groundwater	Depth to			
Date	Groundwater	Well Depth	Column	Difference	Elevation	Groundwater	Physical Ol	bservations	
	(feet TOC)	(feet TOC)	(feet)	(feet)	(feet MSL)	(feet bgs)			
5/1/18	5.37	13.70	8.33	1.06	608.98	5.72			
3/8/19	5.99	13.70	7.71	-0.62	608.36	6.34	Slightly turk	oid, poor recovery	
10/22/20	6.58	13.70	7.12	-0.59	607.77	6.93	Mostly clea	ar, no odor, moderate r	ecovery.

MW-12									
Ground Elev.:	615.58	(feet MSL)				Screen	ı Interval:	4.2 to 14.2	(feet bgs)
TOC Elev.:	616.11	(feet MSL)						611.4 to 601.4	(feet MSL)
	Depth to		Water	Water Column	Groundwater	Depth to			
Date	Groundwater	Well Depth	Column	Difference	Elevation	Groundwater	Physical Ob	servations	
	(feet TOC)	(feet TOC)	(feet)	(feet)	(feet MSL)	(feet bgs)			
10/22/20	4.15	14.75	10.60	NA	611.96	3.63	Slightly turb	id, no odor, slow reco	overy.

MW-13									
Ground Elev.:	617.83	(feet MSL)				Screer	Interval:	4.2 to 14.2	(feet bgs)
TOC Elev.:	618.42	(feet MSL)						613.7 to 603.7	(feet MSL)
	Depth to		Water	Water Column	Groundwater	Depth to			
Date	Groundwater	Well Depth	Column	Difference	Elevation	Groundwater	Physical Ob	oservations	
	(feet TOC)	(feet TOC)	(feet)	(feet)	(feet MSL)	(feet bgs)			
10/22/20	6.54	14.75	8.21	NA	611.88	5.95	Slightly turb	oid, no odor, slow reco	overy.

Notes:

- 1. All monitoring wells surveyed by The Sigma Group, Inc. on June 7, 2012 with Trimble R8 receiver. Monitoring wells MW-12 and MW-13 surveyed by Sigma on October 14, 2020 following installation.
- 2. feet MSL = feet above Mean Sea Level
- 3. feet bgs = feet below ground surface4. feet TOC = feet below top of casing

Table 2 Soil Analytical Results 1333 West Pierce Street, Milwaukee, Wisconsin

Sigma Project No.11516

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Soil Sample	e Location:	SB	-19	SB	-20	SB-	-21c	SB	3-22	SB-	23c	SB-24d	SB	-25	SB-26e	SE	3-27	Groundwater	Non-Industrial	Industrial Direct	
Sample Depth	n (feet bgs):	2 - 4	8 - 10	2 - 4	10 - 12	2 - 4	6 - 8	2 - 4	6 - 8	2 - 4	6 - 8	2 - 4	2 - 4	6 - 8	2 - 4	2 - 4	6 - 8	Pathway	Direct Contact	Contact	Threshold
Sample Colle	ection Date:	10/1	4/20	10/1	4/20	10/1	4/20	10/1	4/20	10/1	4/20	10/14/20	10/1	4/20	10/14/20	10/1	4/20	RCL ⁴	RCL ⁵	RCL ⁶	Value 7
Photoionization Detector	ppm	2.2	3.0	0.0	4.0	0	0	0	0.4	0.4	0.4	0	0.5	0	0.0	0.0	0.1	NS	NS	NS	NS
Metals																					
Total Chromium	mg/kg	9.1*	16*	10*	21*	42*	720	21*	15*	19*	17*	17*	110	15*	23*	25*	15*	360,000	NS	NS	44
Hexavalent Chromium	mg/kg	<0.15	<0.50	<0.15	<0.15	[0.46]	[1.8]	<0.15	<0.15	[0.47]	<0.15	<0.15	[0.45]	<0.15	<0.15	0.17 J	<0.15	NS	0.301	6.36	NS

Notes:

1. Analytical units: mg/kg = milligrams per kilogram (equivalent to parts per million, ppm)

2. NA = not analyzed NS = no standard established

- 3. Groundwater Pathway RCL = Residual Contaminant Level for protection of groundwater (dilution factor of 2) as presented on the WDNR's RCL Spreadsheet (dated December 2018) referenced in WDNR guidance document PUB-RR-890 "Soil Residual Contaminant Level Determinations Using the US EPA Regional Screening Level Web Calculator", dated June 2014.
- 4. Non-Industrial Direct Contact RCL = Residual Contaminant Level for protection of direct contact at a <u>non-industrial</u> property as presented on the WDNR's RCL Spreadsheet (dated December 2018) with default input parameters as referenced in WDNR guidance document PUB-RR-890 "Soil Residual Contaminant Level Determinations Using the US EPA Regional Screening Level Web Calculator", dated June 2014.
- 5. Industrial Direct Contact RCL = Residual Contaminant Level for protection of direct contact at an industrial property as presented on the WDNR's RCL Spreadsheet (dated December 2018) with default input parameters as referenced in WDNR guidance document PUB-RR-890 "Soil Residual Contaminant Level Determinations Using the US EPA Regional Screening Level Web Calculator", dated June 2014.
- 6. Background Threshold Value = Non-outlier trace element maximum levels in Wisconsin surface soils from USGS report "Distribution and Variation of Arsenic in Wisconsin Surface Soils, With Data on Other Trace Elements" (revised February 2013).
- 7. Laboratory flags: "J" = Analyte detected between Limit of Detection and Limit of Quantitation = Analyte detected
- 8. Exceedances:

BOLD = Concentration exceeds Groundwater Pathway RCL

[] = Concentration exceeds Non-Industrial Direct Contact RCL (any depth)

= Concentration exceeds Industrial Direct Contact RCL (any depth)

= Concentration is below Background Threshold Value so RCL exceedances are not marked

Table 3 Groundwater Analytical Table 1333 West Pierce Street, Milwaukee, Wisconsin

Sigma Project No. 11516

Well Lo	cation:	MW-2A	MW-2R	MW-4R	MW-12	MW-13		
	Date:	10/22/20	10/22/20	10/22/20	10/22/20	10/22/20	NR 140 ES	NR 140 PAL
Water Elevation* (fee	et MSL):	604.08	606.04	607.77	611.96	611.88		
Dissolved Metals								
Chromium	μg/L	<2.5	<2.5	<2.5	<2.5	<2.5	100	10
Hexavalent Chromium	μg/L	<0.25	< 0.25	< 0.25	< 0.25	<0.25	NS	NS

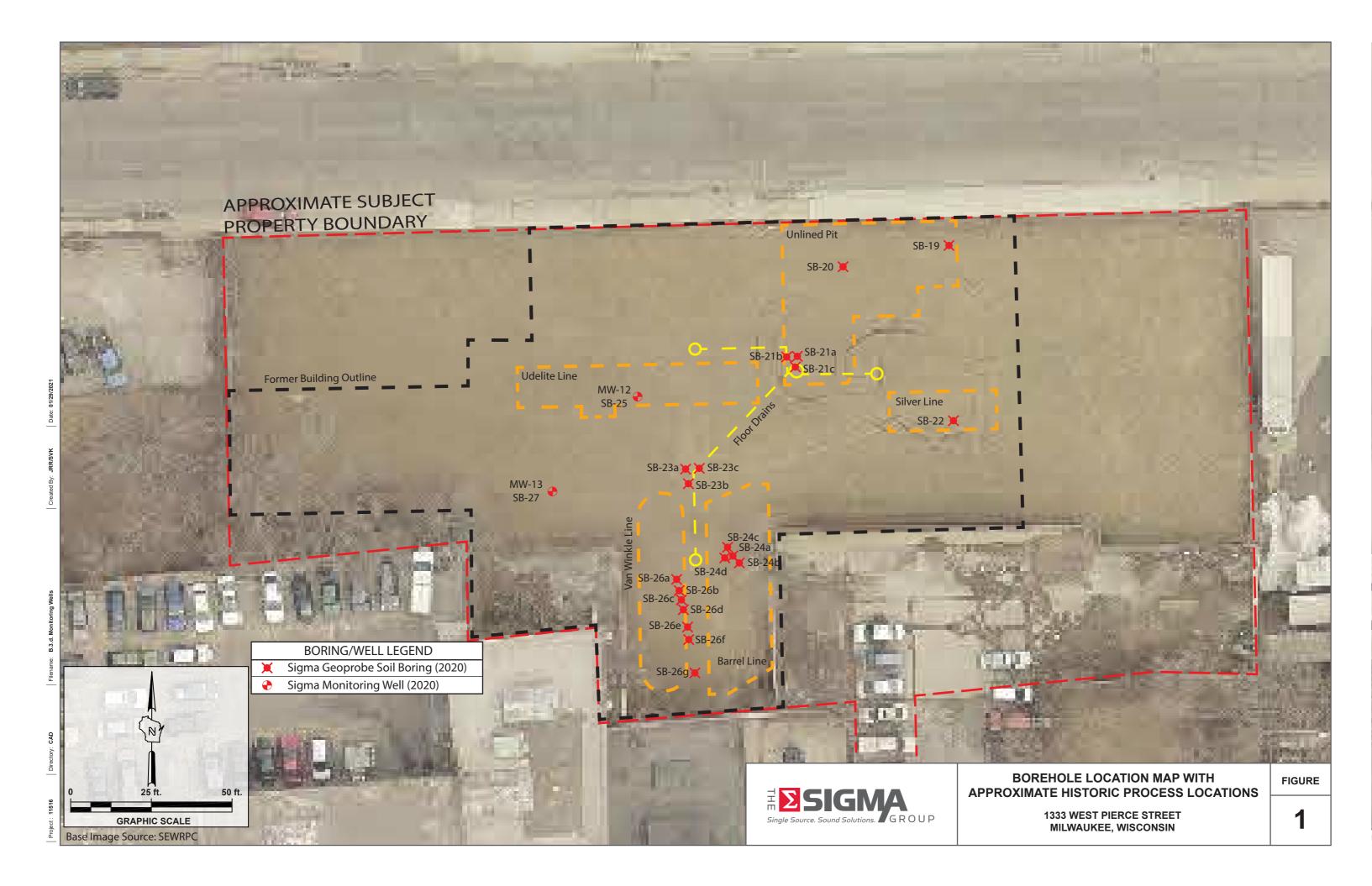
Notes:

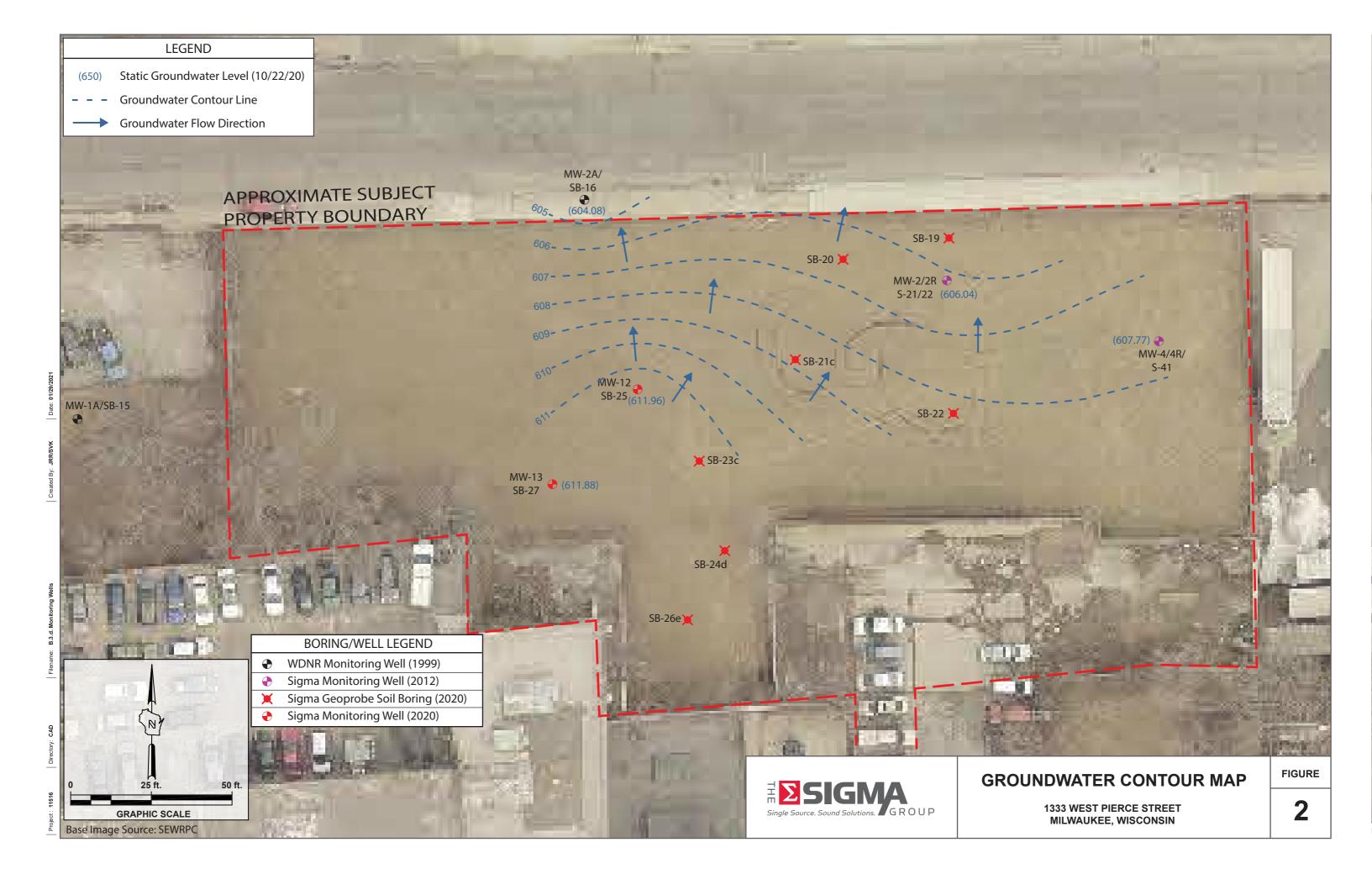
- 1. NR 140 ES = Wisconsin Administrative Code, Chapter NR 140 Enforcement Standard
- 2. NR 140 PAL = Wisconsin Administrative Code, Chapter NR 140 Preventive Action Limit
- 3. NS = no standard
- 4. μ g/L = micrograms per liter (equivalent to parts per billion, ppb)
- 5. NA = Not Analyzed

6. Exceedances: BOLD = Concentration exceeds NR 140 ES

ITALICS = Concentration exceeds NR 140 PAL

7. Special notes: * = monitoring well screen submerged below water table





ATTACHMENT 1 SOIL BORING LOGS

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

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SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

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T a a a 1	N Grid O	VA		NA stimated: □) or Bor	SB-20		Feet N	MSL			13.5 I Local C				2.3	inches
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NE		of S		/4 of Section 31,	T 7 N, R 22 E	Lon	g	0	•	"		Feet			1	☐ E Feet ☐ W
Facili	y ID			County		County Co		Civil T	own/Ci	ity/ or V	Village					
241	07853	30		Milwaukee		41		Milw	aukee	2						
Sar	nple											Soil	Prope	rties		
	(E) &	33	Ę	Soil/R	ock Description						e e					
_ e	Att.	onu	n Fe	And Ge	ologic Origin For				g		ssiv	9 <u>.</u>		5		ints
nbe Tyl	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Eac	ch Major Unit		CS	Graphic Log	Well Diagram	PID/FID	Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	200	RQD/ Comments
Number and Type	Ler Rec		Del				S N		We Dia		Cor	Mo	Liquid Limit	Plastic Index	P 2	RQ Co
1 GP	48 36	P U	-	Brown TOPSOIL	, soft, moist, trace	;		711/	1	0.0						
		S	E_1	organics. Brown SILTY CL	AV stiff day	/										
		Н	F 1	DIOWII SIL I CL	ZA I, Suii, diy.		CL-MI									
			<u>-</u> 2	Brown SILTY CL												
			Ė	and trace brown, y		and and				0.0						Lab sampled (2-4') for
			_3	gravel, dry, well g	graded.		CL-MI									total Chromium
			E													and
2	48	P	-4	Brown SILTY CI	AV stiff day					0.0						Hexavalent Chromium.
GP	38	U	E	Brown SIL11 CL	ZA I, Sum, ary.					0.0						
		S H	5				CL-MI									
			-													
			-6	Brownish gray SI	TTY CLAY with	black				0.2						
			F	streaks, medium s	oft, wet, slight od	or.				0.2						
			- 7		, , ,		CL-MI									
			Ė													
3	48	P	-8	Gray SILTY CLA	Y with black stre	aks and				1.1						
GP	40	U	E	trace sand, wet, m	edium stiff.											
		S H	- 9													
			E				CL-MI									
			-10							4.0						Lab sampled
			-													(10-12') for total
			-11	Tan to gray GRA	VELLY SAND, v	vet, well	CWC	S. S								Chromium and
			-12	graded.			SWG									Hexavalent
			-12	EOB at 12' bgs. I bentonite.	Borehole abandon	ed with										Chromium. End of boring.
I here	ov certi	fy that	the info	rmation on this form is tr	Tile and correct to the h	est of my k	nowled	re.		1		I				<u> </u>
Signat	-	// _			ln:	ne Sigma									Т-1	41.4.642.4200
۰۰۰۰ ی	l	Un	'W	Want	11.	ie Sigina 00 W Canal			, WI 53	3233						414-643-4200 414-643-4210

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

			<u>Ro</u>	oute To:	Watershed/W Remediation			Waste Other	_	ement								
															Pag		of	1
Facility/F Try C	-		ne							Monitor 2-41-4				Boring	Numbe		-21a	
			Name o	f crew chi	ief (first, last) a	nd Firm			rilling S		+U3 44		te Drillii	ng Com	pleted	3D		ing Method
Micha The S	ael M	Iurra a Gr	ay oup, Ir	ıc.					10/14	4/2020)		1	0/14/2	2020		Ge	eoprobe
WI Uniqu	ue We	ell No).		Vell ID No.	Common V		Final St	atic Wa	ter Leve			e Elevat	ion		Bo	rehole	Diameter
Local Gr	N			rtimatadı	NA or Bor		-21a		Feet 1	MSL			15.5 I Local G				2.3	inches
State Pla		gm			2,522,268		n 🔲 C/N	L	at	°	<u>'</u>		Local G	IIIu Loc	auon			□Е
NE		of S	E 1	/4 of Sect	tion 31,	т 7 N,	, r 22 e	Loi		°	<u> </u>			Feet]	Feet W
Facility I 24107		Λ		I .	County Milwaukee			County C	ode	Civil To Milw		-	Village					
Samp		0			Milwaukee			41		VIIIW	aukee			Soil	Prope	rties		
T [*]	_				Soil/F	Rock Descrip	otion								Порс			
, &	ed (ii	unts	Fee			eologic Origi							sive					ıts
Number and Type	Recovered (in)	Blow Counts	Depth In Feet			ch Major Un			CS	Graphic Log	Well Diagram	PID/FID	npres	sture tent	it ii	Plasticity Index	0)/ nmer
Nun and	Rec	Blov	Dep						S O		Well Diagr	PID	Compressive Strength	Moisture Content	Liquid Limit	Plastic Index	P 200	RQD/ Comments
	48 36	P U	E		n TOPSOIL	, soft, mo	ist, trace			7/3 7/1		0.0						
	50	S H	0.5	organi	ICS.					717 71								
		п	1.0	Brown	n SILTY CI	ΔV with	trace ora	avel										
			1.5	dry, st		ZAI WIIII	trace gra	avei,										
			F															
			2.0						CL-M			0.0						
			2.5															
			=3.0															
			3.5															
			3.5		Well grade													
2 .	48	P	-4.0	black,	, brown, gra	y, and ora	nge, dry					0.0						
GP :	23	U S	4.5															
		Н	5.0															
			F															
			5.5															
			E-6.0									0.0						
			6.5															
			7.0															
			7.0	Itelus	al at 7' bgs.	Borehole	abando	ned										Refusal.
				with b	pentonite.													
Ч																		
T.1	4:0		4		A. I. C	1	- 4 4 4											
Signature	-	y tnat	ine into	rmation of	on this form is to												<i>T</i> :	414 642 122
	l	Un	W	Whent	!		111	e Sigma 00 W Cana			, WI 53	233						414-643-4200 414-643-4210

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

			<u>Ro</u>		Vastewater □ /Redevelopment ⊠	Waste :	_	ement								
F '1'	/D :	. 3.1				Tr : /	D :./	.		1		D :	Pag		of	1
	y/Proje Chen		ne			License/ BRR						Boring	Numbe		-21b	
			Name o	f crew chief (first, last) a	nd Firm	Date Dri			10717		te Drilli	ng Con	pleted	51		ing Method
Mic	hael I	Murr	ay													
			oup, Ir		_			1/2020				0/14/2	2020			eoprobe
WI Uı	nique W).	DNR Well ID No.	Common Well Name	1			el		e Elevat		/CI	Bo		Diameter . 1
Local	Grid O	VA	☐ (es	NA stimated: or Box	SB-21b		Feet I	VISL_			15.5 I Local C				2.3	inches
	Plane	ııgııı		,115 N, 2,522,265		La	ıt	o	<u> </u>		Locar C	nia Loc				□Е
NE	1/4	of S		/4 of Section 31,	т 7 N, R 22 E	Long	g	o 	<u> </u>			Feet	\Box S]	Feet W
Facilit	-			County		County Co	ode	Civil T			Village					
	07853	30	1	Milwaukee		41		Milw	aukee	2	ı		_			
Sar	nple											Soil	Prope	rties		-
	Length Att. & Recovered (in)	ıts	eet		Rock Description						, se					
r pe	Att	Cour	In F		eologic Origin For		\sigma	သ	E E	Д	essi	re It		ity		ents
Number and Type	Length Att. Recovered (Blow Counts	Depth In Feet	Ea	ch Major Unit		SC	Graphic Log	Well Diagram	PID/FID	Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	200	RQD/ Comments
a S			- ' '	D. Monacy	2		Ď	Grap Log	Ŋ Di		Str	ğΰ	Lic	Pla	P 2	N 02
GP	48 36	P U S	0.5	Brown TOPSOIL organics.	, soft, moist, trace			1/ 1/ 1/		0.0						
		S H	-	organies.				11. 11								
			1.0	Brown SII TV CI	LAY with trace gra	avel										
			1.5	dry, stiff.	2711 With trace gir	1101,										
			F 1													
			= 2.0				CL-MI			0.0						
			2.5				CL-IVII									
			E 20													
			3.0													
			3.5	FILL: Well grade	d clay to gravel, m	 nix of										
			-4.0	black, brown, gra	y, and orange, dry											
GP GP	48 23	P U								0.0						
		S H	4.5													
		Н	5.0													
			Ė , ,													
			<u>-5.5</u>													
			-6.0							0.0						
			6.5							""						
			E 7.0													
			7.0	Refusal at 7' bgs.	Borehole abandor	ned		XXXX								Refusal.
				with bentonite.												
_	1															
I herel	ny certit	fy that	the info	rmation on this form is t	rue and correct to the h	est of my b	nowled	re	<u> </u>	1	1				<u> </u>	1
Signat		//	11110	10 = 1 4	ln:										Tr.1	414 642 4200
0	l	Un	W	Whent	111	e Sigma ()0 W Canal	St Mil	, waukee	, WI 53	3233						414-643-4200 414-643-4210

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

													Pag	ge 1	of	1
	y/Projec		ne			License/			_			Boring	Numb		21	
	Chen		Nama	of crew chief (first, last) a	and Firms	BRR7			10944		te Drilli	na Can	nnlatad		-21c	ling Method
	chael N			of crew chief (first, fast) a	ina rimi	Date Dri	ning Si	arted		Dai	le Drilli	ng Con	npieted			iing Method
	Sigm			nc.			10/14	1/2020)		1	0/14/	2020		G	eoprobe
	nique W	ell No		DNR Well ID No.	Common Well Name	Final Sta			el		e Elevat			Во		Diameter
Land	N Grid Or	IA	☐ (e	NA stimated: □) or Bo	SB-21c		Feet I	MSL			15.6 l Local C				2.3	inches
	Olla Ol Plane	igiii		0,112 N, 2,522,268		La	t	°	<u>'</u>	<u>"</u>	Local	JIIU LO	□ N	r		□Е
NE	1/4	of S		1/4 of Section 31,	т 7 и, к 22 е	Long	g	°	•	"		Feet				Feet W
Facili	-			County		County Co		Civil T		•	Village					
	07853	0	I	Milwaukee		41		Milw	aukee	2		~ '1				1
Sar	nple											Soil	Prope	erties		_
	t. & (iii)	nts	eet		Rock Description						ve					
er /pe	Ατι ered	Com	In F		eologic Origin For		S	.2	<u> </u>		ressi th	ıre	_	ity		lents
Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Ea	ch Major Unit		SC	Graphic Log	Well Diagram	PID/FID	Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	200	RQD/ Comments
7 g	3 ≈ 48	P		Drown TODCOII	, soft, moist, trace		D	77.77		0.0	S C	Σŭ	22	P I	Ъ	<u> </u>
GP	36	U S	F	organics.	, son, moisi, nace			1/ 1/1/]	0.0						
		Н	-1	Brown SILTY C	LAY with trace grav	vel.										
			E	dry, stiff.	si i wim mace gia	. 01,										
			-2				CL-MI			0.0						Lab sampled
			E _													(2-4') for total
			_3													Chromium and
			<u>-</u> -4	FILL: Well grade	d clay to gravel, mi	ix of										Hexavalent
2 GP	48 31	P U	-4	black, brown, gra	y, and orange, dry.					0.0						Chromium.
GI	31	S	_5													
		Н	E													
			E_6													
			E							0.0						Lab sampled (6-8') for
			_7													total Chromium
			E	Wet at 7.5' bgs.												and
3	48	Р	<u>-</u> 8		CLAY, soft, wet.					0.0						Hexavalent Chromium.
GP	37	P U	E	Dark gray SIET I	CEITT, BOIL, Well											
		S H	-9				CL-MI									
			E													
			10		ray SILTY CLAY v	with				0.0						
			-	trace sand, soft, v	vet.		CI VO									
			-11				CL-MI									
			-12													
			12	EOB at 12' bgs. I bentonite.	Borehole abandone	d with										End of boring.
I here	by certif	y that	the info	ormation on this form is t	rue and correct to the be-	st of my kr	nowled	ge.								

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

			<u>Ro</u>	watershed/W Remediation/	astewater □ Redevelopment ⊠	Waste l	_	ement								
T	/D :	. 3.7				lr· °						D :	Pag		of	1
	ty/Projecty/Projecty/Projecty		ne			License/I			_			Boring	Numbe		-22	
			Name o	f crew chief (first, last) an	nd Firm	Date Dri			10344		te Drilli	ng Con	npleted			ling Method
	chael N			, ,			Ü					C	•			C
The	Sigm	a Gro	oup, Ir					4/2020				0/14/	2020			eoprobe
WI Uı	nique W			DNR Well ID No.	Common Well Name SB-22	Final Sta	tic Wa Feet I		el		Elevat		/CT	Bo		Diameter inches
Local	Grid Or	IA igin	☐ (e:	NA stimated: or Bor		<u> </u>	reet	VISL			16.9 l Local C				2.3	inches
	Plane	0		,096 N, 2,522,316		La	t	<u> </u>	<u>'</u>				□N	[□Е
NE		of S	E 1	/4 of Section 31,	т 7 N, R 22 E	Long		°	<u>'</u>			Feet	:			Feet W
Facilit	ty ID .07853	0		County		County Co	de	Civil T		•	Village					
	nple	0		Milwaukee		41		Milw	aukee	.		Coil	Prope	nutios.		
Sai	T			G :1/D	1.0							3011	Гюре	lities		1
	Length Att. & Recovered (in)	ınts	Depth In Feet		ock Description ologic Origin For						ive					90
oer ype	th A	స్	l In		h Major Unit		S	nic	am.	l E	oress gth	ture	ا ت ت	city		/ nent
Number and Type	Length Att. Recovered (Blow Counts	eptl	Duc	n wagor Cint		USC	Graphic Log	Well Diagram	PID/FID	Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	200	RQD/ Comments
1	48	Р	-	Brown TOPSOIL	soft, moist, trace		-	77. 77		0.0	S	20		P	P	
GP	37	U S		organics.												
		H	-1	Brown SILTY CL												
			F 2	white, gray, well g stiff, dry.	graded, sand and g	ravel,										
			_2	Still, dry.			CL-M			0.0						Lab sampled
			_3													(2-4') for total
			F "													Chromium and
	4.0		4				L									Hexavalent Chromium.
GP GP	48 32	P U		FILL: Orange, red SILTY CLAY wit	l, brown, black, an	id gray gravel				1.0						Cinomium.
		S H	_5	and trace brick fra												
			E	graded.												
			<u>-</u> 6							0.4						Lab sampled
			-													(6-8') for total
			- 7													Chromium
			E													and Hexavalent
3 GP	48 36	P U	- 8	Gray CLAYEY S	LT with trace san	d,				0.0						Chromium.
GP	30	S H	_9	medium soft, wet.												
		Н	- 1													
			-10				ML									
										0.0						
			-11													
L	-		-12	EOB at 12' bgs. E	Porehole abandone	d with			<u> </u>							End of
				bentonite.	orenote abandone	a willi										boring.
	-	y that	the info	ormation on this form is tr		est of my kr	nowled	ge.								
Signat	ture	Zlu	7/	Whent		e Sigma (W/I 53	2222						414-643-4200 414-643-4210

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

			<u>Ro</u>		Wastewater □ n/Redevelopment ⊠	Waste :	_	ement								
													Pag		of	1
	y/Proje Chen		me			License/		Monitor 2-41-4	-			Boring	Numbe		-23a	
			Name o	f crew chief (first, last)	and Firm	Date Dri	-		10244		e Drilli	ng Com	pleted	50-		ing Method
	chael N		ay oup, Ir	ne			10/14	1/2020	1		1	0/14/2	2020		Ge	eoprobe
	nique W			DNR Well ID No.	Common Well Name	Final Sta				Surface	Elevat		2020	Bo	rehole	Diameter
Lagal		JA		NA	SB-23a		Feet I	MSL			17.3 I				2.3	inches
	Grid Oı Plane	ngın		stimated:) or Bo ,081 N, 2,522,23		La	at	o	<u>'</u>		Local G	ria Loc	cation			□Е
NE		of S	SE 1	/4 of Section 31,	т 7 N, R 22 E	Lon		°	<u>'</u>			Feet	\Box s]	Feet W
Facilit 241	y ID 07853	80		County Milwaukee		County Co	ode	Civil To Milw		-	/illage					
	nple	,,,		Willwaukee	,	71		IVIIIW	aukcc			Soil	Prope	rties		
	1	r s	#	Soil	Rock Description						0		•			
. e	Att.	ount	n Fee	And C	Geologic Origin For				u		ssive	e		<u>></u>		nts
Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	E	ach Major Unit		SCS	Graphic Log	Well Diagram	PID/FID	Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	200	RQD/ Comments
			De	D TODGOL) i	Grap	Well Diagi	0.0	Co	Co	Lic	Pla	P 2	C _o
GP	48 34	P U S	0.5	organics.	L, soft, moist, trace			1/ 7/1/		0.0						
		Н	E					<u> </u>								
			1.0		LAY with trace gra											
			1.5	dry.	w mottling, mediun	n stiff,										
			2.0				CL-M			0.4						
			2.5													
			= 3.0				L									
			F		ck, brown, and yello with GRAVEL, mo											
			3.5	medium soft, we		5151,										
2	48	P	=4.0		ILTY CLAY with					0.5						
GP	36	U S	E-4.5	mottling and trac	ce gravel, moist, me	edium										
		Н	5.0	Suii.			CL-M									
			5.5													
			F													
			F		RAVEL, wet, loose	e,	GPS	000		0.4						
			6.5	poorly graded. Gray SILTY CI	AY with trace grav	el and	CL-M									
			7.0	sand, wet, stiff.												Refusal.
				Refusal at 7' bgs with bentonite.	. Borehole abando	ned										
L				with bentonite.												
			<u> </u>				<u> </u>									
I herel Signat	-	ty that	the info	ormation on this form is	true and correct to the b											
Jigiial	l	Ulu	W	Whent		ne Sigma ()0 W Canal			, WI 53	233						414-643-4200 414-643-4210

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

			<u>Ro</u>		Wastewater □ n/Redevelopment ⊠	Waste Other	_	ement								
													Pag		of	1
	ty/Proje		ne			License/		Monitor 2-41-4	_			Boring	Numbe		-23b	
	Cheng Drille		Name o	f crew chief (first, last) a	and Firm	Date Dri	-		1 09 44		te Drilli	ng Con	npleted	SD.		ing Method
Mi	chael l	Murr					10/14	4/2020)		1	0/14/2	2020		G	eoprobe
	nique W	ell N		DNR Well ID No.	Common Well Name		atic Wa	ter Leve			e Elevat	ion		Bo	rehole	Diameter
T 1		VA.		NA NA	SB-23b		Feet I	MSL			17.7 I				2.3	inches
	Grid On Plane	rıgın		stimated: \square) or Bo ,077 N, 2,522,235		La	at	°	<u> </u>		Local C	ria Loc	cation			□ E
NE		of S		/4 of Section 31,	т 7 N, R 22 Е	Lon		o 	<u>'</u>			Feet			J	Feet W
Facili	-	20		County		County Co	ode	Civil To		-	Village					
	07853	1	<u> </u>	Milwaukee		41		Milw	aukee	; 		Coil	Prope			
Sai	nple			Sail/	Dools Decomination								riope	lues		
	tt. & d (in	ınts	Feet		Rock Description eologic Origin For						ive					S
ber Type	th A vere	Col	h In		ich Major Unit		CS	hic	ram	Œ	press gth	ture ent	t id	icity		/ men1
Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet		J		OS O	Graphic Log	Well Diagram	PID/FID	Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
1	48	P	Ē		, soft, moist, trace	:		1/1/2 1/1/2	<u>, </u>	0.0	0 01					
GP	34	U S	0.5	organics.				1/ 1/1/								
		Н	1.0													
			E		LAY with trace gray with trace gray mottling, mediun											
			1.5	dry.	, metamg, metam	ii suiii,										
			2.0				CL-M			0.4						
			2.5													
			= 3.0				L									
			F		k, brown, and yello with GRAVEL, mo											
			3.5	medium soft, wel		oist,										
2 GP	48 36	P U	-4.0		ILTY CLAY with					0.5						
OI	30	S	4.5	mottling and trac stiff.	e gravel, moist, me	edium										
		Н	5.0	Suii.			CL-M									
			5.5													
			F													
			6.0		RAVEL, wet, loose	е,	GPS	000		0.4						
			6.5	poorly graded.	AY with trace grav	el and										
			7.0	sand, wet, stiff.	AT with trace grav	Ci and										
			7.5				CL-M									
			F													
_			-8.0	Refusal at 8' bgs. with bentonite.	Borehole abando	ned										Refusal.
I here	by certi	fy tha	the info	ormation on this form is	true and correct to the b	est of my ki	nowled	ge.			1					
Signa	-	IA.		N-11	In:	e Sigma (Tel	414-643-4200
	l	Ull		Whent		00 W Canal			, WI 53	233						414-643-4210

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

			Ro	oute To:	Watershed/W Remediation/			Waste Other	_	ement								
															Pag	ge 1	of	1
	y/Proje		ne					License/			_			Boring	Numbe		22.	
	Cheng Drille		Name o	of crew ch	nief (first, last) an	nd Firm		Date Dri		2-41-4 tarted	10944		e Drillii	ng Con	npleted		-23c Drill	ling Method
Mic	hael N	Murra	ay												•			
	Sigm			1C.	Well ID No.	Common W	Vell Name	Final Sta		1/2020 ter Leve		Surface	1 Elevat	0/14/	2020	Ro		Diameter
WI OI	•	VA	,.	DIVIC	NA		-23c		Feet I		J1		17.3 I		1SL	Bo		inches
	Grid Oı	rigin) or Bor			La	·+	0	,	,,]	Local G	rid Lo	cation			
State NE	Plane	of S		1,081 IN, 1/4 of Sec	, 2,522,238 etion 31,		7 N R 22 E	Lon		0	,			Foot	□ N □ S		1	☐ E Feet ☐ W
Facilit	y ID		<u>.</u>		County	1 / 11,		County Co	ode	Civil T			illage	rcci				rect - w
	07853	80	1		Milwaukee			41		Milw	aukee	;	ı	- 11				T
Sar	nple						_							Soil	Prope	rties		-
	tt. & d (in)	ınts	Feet			ock Descript cologic Origin							ive					SO.
ber Jype	th Ai	Cou				ch Major Uni			CS	hic	ram	Æ	press gth	ture	<u></u>	icity		/ ment
Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet		2		-		OS O	Graphic Log	Well Diagram	PID/FID	Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
1	48 34	P U	<u> </u>		n TOPSOIL	, soft, moi	st, trace		<u> </u>	17. 17.		0.0	0 01					
GP	34	S	-1	organ						1/ 1/								
		Н	<u> </u>		n SILTY CL n and yellow													
			_2	dry.	ii and yenow	mouning,	medium	SIIII,	CL-M			0.4						Lab sampled
			E									0.1						(2-4') for total
			_3		: Gray, black													Chromium and
			-4		DY CLAY w um soft, well		/EL, moi	st,	\perp									Hexavalent
2 GP	48 39	P U	- 4		nish gray SI		Y with b	/ lack				0.5						Chromium.
		S H	_ 5	mottl	ing and trace				CL-M									
		11	E	stiff.														
			-6	Gray	SANDY GR	AVEL, w	et, loose,		GPS			0.4						Lab sampled
			Ē,	poorl	y graded.													(6-8') for total
			- 7		SILTY CLA wet, stiff.	Y with tra	ace grave	l and										Chromium and
	40		-8	Sana,	wet, still.													Hexavalent Chromium.
3 GP	48 29	P U	Ė									0.0						Cinomium.
		S H	_9						CL-M									
			Ė						CL-WI									
			10									0.0						
			-11															
			<u> </u>															
L			-12	FOR	at 12' bgs. E	Rorehole a	handoned	1 with	-									End of
				bento		Joienoie a	oandone	4 VV 1111										boring.
		C .3	4 : 2	<u>.</u>	4:6:													
herel Signat		y that	the info	10 1	on this form is tr													41.4.642.422
	1	Um	W_	Way	1		1110	Sigma W Canal			WI 53	233						414-643-4200 414-643-4210

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

Route To: Watershed/Wastewater [Remediation/Redevelopm		Waste N Other	_	ement								
										e 1	of	1
Facility/Project Name		License/F BRRT			_			Boring	Numbe		-24a	
Try Chem Boring Drilled By: Name of crew chief (first, last) and Firm		Date Dril			10944		te Drillii	ng Com	pleted	SD.		ing Method
Michael Murray The Sigma Group, Inc.			10/14	1/2020			1	0/14/2	2020		Ge	eoprobe
WI Unique Well No. DNR Well ID No. Common W	Vell Name	Final Stat				Surfac	e Elevat		2020	Bo	rehole	Diameter
	-24a	I I	Feet N	MSL			519.1 I Local G				2.3	inches
Local Grid Origin \square (estimated: \square) or Boring Location State Plane 380,055 N, 2,522,248 E S/C		Lat	t	°	<u> </u>		Local G	iria Loc	ation			□Е
NE 1/4 of SE 1/4 of Section 31, T 7 N,	r 22 e	Long		°	<u>'</u>			Feet]	Feet W
Facility ID County 241078530 Milwaukee		County Co.	de	Civil To Milw		-	Village					
Sample Willwaukee		41		WIIIW	aukcc	; 		Soil	Prope	rties		
Soil/Rock Descript	tion								11000			
And Geologic Origin					_		ssive	0		<u>></u>		nts
Soil/Rock Descript And Geologic Origin Each Major Uni Soil/Rock Descript And Geologic Origin Each Major Uni	it		SCS	Graphic Log	Well Diagram	PID/FID	Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	200	RQD/ Comments
			n	Grap	Well Diagr	0.0	Co	Mc Co	Liquid Limit	Plastic Index	P 2	C. C.
H 28 P U S H -0.5 Brown TOPSOIL, soft, moi organics. Light brown SANDY CLAY GRAVEL, dry, well graded. -1.5 -2.0 Refusal at 3' bgs. Borehole with bentonite. -3.5 -4.0	Y with w., stiff.		CLS			0.0						Refusal.
I hereby certify that the information on this form is true and corre	ct to the be	st of my kn	owled	ge.								<u> </u>
	Firm The	e Sigma C	Group)	WI 53	233						414-643-4200 414-643-4210

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

Rout		astewater Redevelopment	Waste Mother	_	ement								
											e 1	of	1
Facility/Project Name			License/I BRR7			-			Boring	Numbe		-24b	
Try Chem Boring Drilled By: Name of o	crew chief (first, last) a	nd Firm	Date Dril			10944		te Drillii	ng Com	pleted	SD.		ing Method
Michael Murray The Sigma Group, Inc	:			10/14	1/2020	ı		1	0/14/2	2020		G	eoprobe
WI Unique Well No.	DNR Well ID No.	Common Well Name						e Elevat	ion		Bo	rehole	Diameter
NA	NA NA	SB-24b]	Feet N	MSL			518.9 I				2.3	inches
	mated:) or Bor 053 N, 2,522,250		La	t	o	<u>'</u>		Local G	iria Loc	auon N			□Е
NE 1/4 of SE 1/4	of Section 31,	т 7 и, R 22 Е	Long		o 	<u>'</u>			Feet	\Box s		J	Feet W
Facility ID 241078530	County Milwaukee		County Co	de	Civil To Milw		-	Village					
Sample	Milwaukee		41		MIIIW	aukee	;		Soil	Prope	rties		
<u> </u>	Soil/R	ock Description								Порс	1005		
Att. & ad (ii) and the second		ologic Origin For						sive					ıts
Number and Type Length Att. & Recovered (in) Blow Counts		h Major Unit		CS	Graphic Log	Well Diagram	PID/FID	Compressive Strength	Moisture Content	uid iit	Plasticity Index	200	RQD/ Comments
				ΩS		Well Diagr		Cor Stre	Moi	Liquid Limit	Plastic Index	P 2(RQJ
GP 28 U = -0.5 H = -0.5 = -1.0 = -1.5 = -2.0 = -2.5 = -3.0 = -3.0 = -1.5 = -3.0	Brown TOPSOIL organics. Light brown SAN GRAVEL, dry, we with bentonite.	DY CLAY with well graded, stiff.	vhite	CLS			0.0						Refusal.
Illumbar and G. d. ad. i. C.				1 1									
I hereby certify that the information of the second	nation on this form is tr	l										т 1	414 (42 4200
Ellun 1	Many		e Sigma (0 W Canal S			WI 53	233						414-643-4200 414-643-4210

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

Rou		astewater Redevelopment	Waste Mother	_	ement								
										Pag		of	1
Facility/Project Name			License/I			_			Boring	Numbe		2.4	
Try Chem	1: 0/6 1	17:	BRRT			10944		5 111			SB	-24c	
Boring Drilled By: Name of	crew chief (first, last) ar	nd Firm	Date Dril	lling St	arted		Da	te Drilli	ng Con	npleted		Drill	ing Method
Michael Murray The Sigma Group, Inc.	C.	10 W. 11 W.	1		1/2020				0/14/2	2020			eoprobe
WI Unique Well No.	DNR Well ID No.	Common Well Name	I			el		e Elevat		I OT	Bo		Diameter
NA Local Grid Origin ☐ (est	NA timated: □) or Born	SB-24c	_	Feet N	VISL				Feet Norid Loc			2.3	inches
	057 N, 2,522,247		La	t	0	<u> </u>		Local	JIIU LOC				
NE 1/4 of SE 1/	4 of Section 31,	T 7 N, R 22 E	Long		°	<u> </u>			Feet	□ N □ S]	☐ E Feet ☐ W
Facility ID	County		County Co		Civil To		-	Village					
241078530	Milwaukee		41		Milw	aukee	2						
Sample									Soil	Prope	rties		
& &	Soil/R	ock Description						0					
ed (And Ge	ologic Origin For				_	_	SSIV			_		ıts
Cyp. (Typ. / Cc. /	Eac	h Major Unit		CS	hic	ram		pres	ture	id t	icity K		mer
Number and Type Length Att. & Recovered (in) Blow Counts Depth In Feet		3		SO	Graphic Log	Well Diagram	PID/FID	Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
1 48 P	Brown TOPSOIL,	soft moist trace		-	717 717	<i>></i> 1	0.0	0 81	Z O	I	<u>H</u> <u>H</u>	<u>н</u>	<u> </u>
GP 28 U0.5 H -0.5 -1.0 -1.5 -2.0 -2.5 -3.0 -4.0	Light brown SAN GRAVEL, dry, we Refusal at 3' bgs. with bentonite.	DY CLAY with well graded, stiff.		CLS			0.0						Refusal.
I hereby certify that the infor Signature	rmation on this form is tr	Firm The	est of my kn e Sigma (Group)	WI 53	3233						414-643-4200 414-643-4210

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

	·		astewater Redevelopment	Waste :	_	ement								
											Pag		of	1
Facility/Project Name Try Chem				License/		Monitor 2-41-4	-			Boring	Numbe		-24d	
Boring Drilled By: Nam	ne of crew chie	ef (first, last) a	nd Firm	Date Dri			+U2 44		te Drillii	ng Com	pleted	3D		ing Method
Michael Murray The Sigma Group	Inc				10/14	1/2020)		1	0/14/2	2020		G	eoprobe
WI Unique Well No.		ell ID No.	Common Well Name	e Final Sta				Surfac	e Elevat			Bo	rehole	Diameter
NA Local Grid Origin	(estimated: [NA	SB-24d		Feet 1	MSL			519.2 F Local G				2.3	inches
	80,054 N,			La	ıt	o 			Local	III LOC	□ N			□Е
NE 1/4 of SE	1/4 of Section		т 7 N, R 22 E	Lon		°	<u> </u>		****	Feet	\Box s]	Feet W
Facility ID 241078530		ounty Milwaukee		County Co	ode	Civil To Milw		-	Village					
Sample	17	mwaakee		111		TVIII W	dukee			Soil	Prope	rties		
<u> </u>	5	Soil/R	ock Description						0					
Att.	Ď -	And Ge	ologic Origin For				u		ssive	9		<u>5</u>		nts
Number and Type Length Att. & Recovered (in) Blow Counts	l Indi	Eac	h Major Unit		SCS	Graphic Log	Well Diagram	PID/FID	Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	200	RQD/ Comments
1 48 P L	*	TORCOIL	soft, moist, trace		Ď	Grap	W	0.0	Co	C M	Lic	Pla	Ь	2 S S
GP 28 U 5 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	organic .5 .0 Light b GRAV .5 .0 Refusa	orown SAN EL, dry, w	DY CLAY with vell graded, stiff. Borehole abando	white	CLS			0.0						Lab sampled (2-4') for total Chromium and Hexavalent Chromium.
I hereby certify that the i	nformation on	this form is tr	l											
Signature Allul	Without			ne Sigma (00 W Canal			, WI 53	233						414-643-4200 414-643-4210

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

			Ro		Wastewater □ n/Redevelopment ⊠	Waste I Other	_	ement								
													Pag	e 1	of	1
	y/Projec Chem		ne			License/			_			Boring	Numbe		25/1	MW-12
			Name o	f crew chief (first, last)	and Firm	Date Dri			10944		e Drillii	ng Com	pleted	SD		ing Method
	hael N						10/1	1/2020			1	0/1/4//	3030			1
	Sigm ique W		oup, Ir	DNR Well ID No.	Common Well Name	Final Sta		1/2020 ter Leve		Surface	Elevat	0/14/2 ion	2020	Во		Diameter Diameter
	N	ΙA		NA	MW-12		Feet I	MSL		6	15.6 F	Feet N			2.3	inches
Local C State I	Grid Or Plane	igin	(es	stimated:) or Bo ,103 N, 2,522,219	ring Location OE S/C/N	La	ıt	0	•]	Local G	rid Loc	_			
NE NE		of S		/4 of Section 31,	T 7 N, R 22 E	Lon	g	0		"		Feet	□ N]	□ E Feet □ W
Facility		0		County	·	County Co		Civil To		-	illage					
San	07853	0		Milwaukee		41		Milw	aukee			Soil	Prope	rtios		
San	•			Soil/	Rock Description							3011	Тторс	itics		
	vtt. & ed (ir	unts	Feet		eologic Origin For						sive			_		ıts
Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet		ich Major Unit		CS	Graphic Log	Well Diagram	PID/FID	Compressive Strength	Moisture Content	id it	Plasticity Index	200	RQD/ Comments
Nur	Len Rec		Dep				S O		Well Diagi		Con Stre	Moi	Liquid Limit	Plastic Index	P 2(RQJ Con
1 GP	48 43	P U	-	Brown TOPSOII organics.	L, soft, moist, trace	:				0.0						
		S H	1.5		LAY with orange a	and										
				black mottling ar	nd trace sand and g	ravel,	CL-M			0.5						Lab sampled
			3.0	dry, medium stif	l .											(2-4') for total
, H	40	ъ	E		, and brown SAND	ŊΥ				0.0						Chromium and
GP GP	48 44	P U	_4.5	GRAVEL, dry, v	vell graded, stiff.					0.9						Hexavalent Chromium.
		S H														
			-6.0		AY with trace sand	l, wet,				0.0						Lab sampled (6-8') for
			7.5	medium soft.			CL-M									total
3	48	P	- 7.3	Brownish gray S	ANDY SILT, wet,	soft				0.0						Chromium and
ĞP	28	U S	9.0	well graded.	AND I SILI, Wei,	3011,				0.0						Hexavalent Chromium.
		H	Ė				MLS									
			10.5				MILS			0.0						
			-													
4 H	48	P	12.0	Blind Drilled												Blind
GP	48	U S	Ē													Drilled.
		Н	13.5													
			F 15.0													
			15.0													
Ч				EOB at 16' bgs.	1" pre-pack monito	oring			ng ng							End of
				well installed to and 12' filter pac	14.2' bgs with 10' s	creen										boring.
				and 12 mer pac												
	-	y that	the info	ormation on this form is		est of my kr	nowled	ge.						_		
Signatı	ıre	Ph	(0)	nihat		ne Sigma (₩/I 52	222						414-643-4200 414-643-4210

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

			Ro		Vastewater □ √Redevelopment ⊠	Waste Other	Manage	ement								
													Pag		of	1
-	y/Proje		ne			License			_			Boring	Numbe		26	
	Chen		Nama a	of crew chief (first, last)	and Eima	Date Dr	TS #0		10944		te Drilli	na Can	mlatad	<u>28</u>	-26a	ing Method
_		-		of crew chief (first, fast)	and Firm	Date Dr.	illing St	arted		Da	te Drilli	ng Con	ipieted		Drill	ing Method
The	hael N Sigm	a Gr	oup, Ir		C WIIN	E: 1.0		1/2020		C. C.		0/14/2	2020	l D		eoprobe
WI Un	ique W	ieli No JA).	DNR Well ID No.	Common Well Name SB-26a	Final Sta			el		e Elevat 519.1 I		ICT	Bo		Diameter inches
Local	Grid Oı		☐ (es	NA stimated: □) or Bo			Feet N	VISL			Local C				2.3	inches
State I		ıgııı		,047 N, 2,522,231		La	at	°	<u>'</u>	"	Local	JIIG LOC				□Е
NE		of S		/4 of Section 31,	т 7 N, R 22 Е	Lon	σ	0	•	"		Feet			1	Feet W
Facility		01 0		County	1 , 11,11 <u>22 E</u>	County Co		Civil T	own/Ci	ity/ or V	Village	1 001				
241	07853	80		Milwaukee		41		Milw	aukee	•	_					
San	nple					<u> </u>						Soil	Prope	rties		
	•			Soil/	Rock Description											
	tt. & d (in)	ınts	Feel		eologic Origin For						ive					ίδύ (X)
ype	h A 'ere	Coı	I.		ch Major Unit		S	.i.	am	l p	ress	ure	-	city		nen1
Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Lo	ch Major Ollit		SC	Graphic Log	Well Diagram	PID/FID	Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
Zü	<u>1</u>	P	Ω	D TODGOU	0 : , ,		Þ	77.77	≥ □	0.0	S C	Σŭ	Ľ Ľ	Pl In	Ь	<u> </u>
GP	30	U	F	organics.	, soft, moist, trace	;		1/ 1/	1	0.0						
		S H		organics.				11/1/1								
		п	-0.5	Brown SILTY C	LAY with some sa	nd and										
			-	gravel, dry, stiff.	Liti with some sa	ina ana										
			F.,													
			-1.0													
			-													
			-1.5													
			-				CL-MI									
			-2.0							0.0						
			F							0.0						
			Ė													
			-2.5													
			-													
			F ₂₀													
			-3.0		Borehole abando	ned]							Refusal.
				with bentonite.												
Ц																
		fy that	the info	ormation on this form is	true and correct to the b	est of my k	nowled	ge.								
Signati	ire /	1 A.		11-11	Firm Th	ne Sigma	Group)							Tel:	414-643-4200
	l	LM.	W.	Whent	130	00 W Canal	St Mil	waukee	, WI 53	3233						414-643-4210

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

Route To: Watershed/Wastewater Remediation/Redevelopn		Waste Mother	_	ement								
									Pag	e 1	of	1
Facility/Project Name		License/I			_			Boring	Numbe		-26b	
Try Chem Boring Drilled By: Name of crew chief (first, last) and Firm		BRR7			10944		te Drillii	ng Com	pleted	SD-		ing Method
Michael Murray The Sigma Group, Inc.			10/14	l/2020			1	0/14/2	2020		Ge	eoprobe
WI Unique Well No. DNR Well ID No. Common V	Vell Name	Final Sta				Surface	e Elevat		2020	Bo	ehole	Diameter
	-26b]	Feet N	MSL			19.2 I				2.3	inches
Local Grid Origin ☐ (estimated: ☐) or Boring Location State Plane 380,044 N, 2,522,232 E S/C		La	t	o	<u>'</u>		Local G	irid Loc	ation N			□Е
NE 1/4 of SE 1/4 of Section 31, T 7 N,	r 22 e	Long		°	<u>'</u>	"		Feet			I	Feet W
Facility ID County 241078530 Milwaukee		County Co 41		Civil To Milw		-	Village					
Sample Willwaukee		+1		VIIIW	aukee			Soil	Prope	rties		
	tion								riope			
						_	ssive					nts
Number and Type Length Att. & Recovered (ii) Blow Counts Blow Counts Each Major Un Each Major Un	it		CS	Graphic Log	Well Diagram	PID/FID	Compressive Strength	Moisture Content	nid iit	Plasticity Index	200	RQD/ Comments
			ΩS	Grap Log	Well Diagi		Con Stre	Moi Con	Liquid Limit	Plastic Index	P 2(RQJ Con
1 48 P Brown TOPSOIL, soft, moi organics.	st, trace			11 11 11 11 11 11 11 11 11 11 11 11 11		0.0						
				11/2/11								
Brown SILTY CLAY with	some sand	d and										
gravel, dry, stiff.												
-1.0												
		(CL-MI									
						0.0						
Refusal at 3' bgs. Borehole	abandone	ed										Refusal.
with bentonite.												
I hereby certify that the information on this form is true and corre												
Signature Little What		Sigma (W Canal S			WI 53	233						414-643-4200 414-643-4210

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

			<u>Ro</u>	oute To:		Vastewater □ VRedevelopment ⊠	3	Waste Other	Manage	ement								
															Pag		of	1
	y/Proje		ne					License/			_			Boring	Numbe		26-	
	Chen		Namas	f amary ala	nief (first, last) a	nd Eima		BKK Date Dr	TS #0		40944		te Drilli	na Can	mlatad	2B	-26c	ing Method
_	hael N	-		of crew cir	nei (msi, iasi) a	na rum		Date Di	ining St	arteu		Da	ie Dillii	ng Con	ipieteu		ווווען	ing Memod
The	Sigm	a Gr	ay oup, I1	ıc.					10/14	1/2020)		1	0/14/2	2020		Ge	eoprobe
WI Ur	nique W	ell No).		Well ID No.	Common Well Na	me	Final Sta				Surfac	e Elevat			Во		Diameter
		ΙA			NA	SB-26c			Feet 1	MSL		6	519.3 I				2.3	inches
	Grid Or	rigin			O or Bor		·	,	. 4	0	,	"	Local C	irid Loc	cation			
State		~			, 2,522,233			La							□ N			Ε
NE Engilit		of S	E :	/4 of Sec		T 7 N, R 22		Lon		Civil T	/C:		7:11	Feet	□ S]	Feet W
Facilit	у ID 07853	80		1	County Milwaukee			ounty Co 11	oae	Milw		-	village					
	nple		T		Willwaukee			† 1		VIIIW	aukcc	, 		Soil	Prope	rtios		
San	_				G 11/m									Son	Гторс	ines		
	t. &	nts	eet			lock Description							ve					
er 'pe	ı Atı ered	Cou	In F			cologic Origin For			S	.ي	_ E	А	essi	ıre 1t		ity		ents
d Ty	Soil/Rock Description And Geologic Original Each Major United Hills Feet (iii) Each Major United Hills								SC	Graphic Log	Well Diagram	PID/FID	Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
a g	Le	Bl	De						D				St.	žΰ	Ľ.	Pla Inc	Ъ	× 2
GP	48 30	P U	-			, soft, moist, tra	ice			7/1/2 1/1		0.0						
		S	L	organ	iics.					316 3								
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			-3.0	D. C	1 . 211	D 1 1 1	1	1			1							D C 1
				Refus	sal at 3' bgs. bentonite.	Borehole aband	done	a										Refusal.
				Willi	ocinomic.													
_																		
I hereb	y certif	y that	the info	rmation o	on this form is tr	rue and correct to th	e best	of my k	nowled	ge.								
Signat	ure /	A.		11-1	1	Firm	The S	Sigma	Groun)							Tel: 4	414-643-4200
	ellum hi huj							W Canal			, WI 53	233						414-643-4210

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

			<u>Ro</u>	watershed/W Remediation/	Vastewater □ (Redevelopment □	Waste :	_	ement								
E :1:	/D :	. 37				lr· /	D ://	N. C				D :	Pag		of	1
	y/Proje		ne			License/			_			Boring	Numbe		-26d	
	Chen		Name o	of crew chief (first, last) a	nd Firm	BRR' Date Dri			10944		te Drilli	ng Con	nnleted			ing Method
_	hael N	-		or crew ciner (msi, iasi) a	iid i iiiii	Date Dir	illing 5t	arica		Dat	C Dilli	ng Con	приска		Dim	mg wiemod
The		a Gr	oup, Ir	nc. DNR Well ID No.	Common Well Name	Final Sta	10/14/2020 10/14/2020 Final Static Water Level Surface Elevation Borel							Geoprobe chole Diameter		
WIOI	-	VA	•	NA	SB-26d		Feet N		J1		519.1 I		ISI			inches
Local	Grid Or		☐ (es	stimated:) or Bor			1 CCt 1			1	Local C				2.5	IIICIICS
State		U		,038 N, 2,522,233		La	ıt	°					□N	ſ		□Е
NE	1/4	of S		1/4 of Section 31,	т 7 N, R 22 E	Lon	g	o	<u> </u>	"		Feet]	Feet W
Facilit				County		County Co		Civil T	own/Ci	ity/ or \	Village					
241	07853	30		Milwaukee		41		Milw	aukee	e						
San	nple											Soil	Prope	erties		
	r -			Soil/R	ock Description											
	Length Att. & Recovered (in)	Blow Counts	Depth In Feet		cologic Origin For						Compressive Strength					2
ype	h A	Coı	H		ch Major Unit		S	ic.	am		ress	ure	-	city		nen1
Number and Type	Length Att. Recovered (low	epth	Lac	ni Major Onit		SC	Graphic Log	Well Diagram	PID/FID	Compress Strength	Moisture Content	Liquid Limit	Plasticity Index	200	RQD/ Comments
<u> </u>		P	Ω	D TORGOIL	0 :		ר	77. 77. Q 1	≥ □	0.0	Ω <u>Ω</u>	Σŭ	7 7	Pl	Ь	ಷ ೮
1 GP	48 30	U	F	Brown TOPSOIL organics.	, soft, moist, trace			1/ 1/ 1/	1	0.0						
		U S H	_	organics.				11, 11								
		Н	-0.5	Brown SII TV CI	AY with some san	d and										
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			-3.0	Pafisal at 3' has	Borehole abandon	od.			1							Refusal.
				with bentonite.	Borenore abandon	cu										iciusai.
				With contonic.												
_																
T1 '		2_1	4			-4 - C 1	1 •									
		y that	tne info	ormation on this form is to	Tr.											
Signat	ure	Zlu		What	Firm The	Sigma (W Canal	Group St Mil) waukee	, WI 53	3233						414-643-4200 414-643-4210

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

			<u>Ro</u>		Vastewater □ /Redevelopment ⊠	Waste l	_	ement									
Б 11.	· /D :	. 3.7				Ix ·	D :./	.				D :	Pag		of	<u>1</u>	
	ty/Proje Chen		ne			License/I						Boring	Numbe		-26e		
			Name o	f crew chief (first, last) a	nd Firm	Date Dri			10244		te Drilli	ng Con	pleted	שט		ing Method	
Mic	- chael l	Murr					10/14/2020 10/14/2020							eoprobe			
WI U	nique W	Vell No	oup, 11 o.	DNR Well ID No.	Common Well Name	Final Sta				Surface	e Elevat		2020	Во	Borehole Diameter		
	•	NΑ		NA	SB-26e		Feet N				519.4 1		1SL			inches	
	Grid O	rigin		stimated:) or Box		,		0	,	,,	Local C	irid Loc	cation				
State NE	Plane 1/4	of S		,033 N, 2,522,235 1/4 of Section 31,	E S/C/N T 7 N, R 22 E	Long		0	<u>.</u>			Feet	□ N □ S]	☐ E Feet ☐ W	
Facili				County		County Co		Civil T		-	Village						
	07853	30		Milwaukee		41		Milw	aukee	2							
Sar	nple	_										Soil	Prope	rties			
	Length Att. & Recovered (in)	ts	get	Soil/F	Rock Description						e e						
. s	Att.	uno	n Fe	And Go	eologic Origin For		S		_ 		sssiv	e _		ty		snts	
Number and Type	lgth	Blow Counts	Depth In Feet	Eac	ch Major Unit		C	Graphic Log	Well Diagram	PID/FID	Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	200	RQD/ Comments	
Nu	Ler	Blc	De				S N		We Dia		Col	C _O	Liquid Limit	Plastic Index	P 2	RQ Co	
1 GP	48 36	P U	0.5		, soft, moist, trace			717 7		0.0							
OI		S		organics.	LAY with some sar	nd and											
		Н	1.0	gravel, dry, stiff.	LA Y WITH SOME Sal	na ana											
			E	graver, ary, strin													
			1.5														
			2.0				CL-MI			0.0						Lab sampled	
			2.5							0.0						(2-4') for	
			- ⊢													total Chromium	
			3.0													and	
			3.0													Hexavalent Chromium.	
			F		RAVEL, dry, loos	se, well	GWS	76									
2	48	P	-4.0	graded.	- <u>-</u>		 	* ::		0.0							
GP	12	U	4.5	I GRAVELLV SA	s of gray, tan, and I ND, wet, loose, we	biack ell	SWG										
		S H	5.0	graded.	1, 1, 1, 10050, 11) !:::::									
			-5.0	Refusal at 5' bgs.	Borehole abandor	ned										Refusal.	
				with bentonite.													
I here	by certi	fy that	the info	ormation on this form is t	rue and correct to the b	est of mv kr	nowled	ge.	1		1	ı				1	
Signa	-	111		10 1 .	ln:	e Sigma (T.1.	414 642 4200	
<i>6</i>	l	Un	W	Whent	111	e Sigma (0 W Canal :			, WI 53	3233						414-643-4200 414-643-4210	

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

		Rou		Wastewater □ n/Redevelopment ⊠	Waste Other	Manage	ement								
												Pag	e 1	of	1
Facility/Project	Name				License			_			Boring	Numbe		265	
Try Chem Boring Drilled B	By: Nan	ne of	crew chief (first, last)	and Firm		BRRTS #02-41-409441 SB- Date Drilling Started Date Drilling Completed						-26f Drilling Method			
Michael Mu The Sigma	ırray					10/14/2020 10/14/2020						Geoprobe			
WI Unique Well	No.	, 1110	DNR Well ID No.	Common Well Name	Final St						Во	Borehole Diameter			
NA		(+	NA	SB-26f		Feet MSL 619.5 Feet MSL					2.3 inches				
Local Grid Origi State Plane			imated:) or Bo 029 N, 2,522,235		L	Local Grid Locat				cation					
NE 1/4 of			4 of Section 31,	т 7 N, R 22 E	Lor		°	<u>'</u>			Feet]	Feet W
Facility ID 241078530			County Milwaukee		County C	ode	Civil T	own/Ci aukee	-	Village					
Sample		\top	Willwaukee		41		VIIIW	aukee	, 		Soil	Prope	erties		
1		ا پ	Soil/	Rock Description								Порс			-
e Att. 8	ounts	Fee		eologic Origin For						ssive			<i>*</i>		ıts
Number and Type Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Ea	ch Major Unit		CS	Graphic Log	Well Diagram	PID/FID	Compressive Strength	Moisture Content	uit it	Plasticity Index	200	RQD/ Comments
		Dep				S O				Con	Moi	Liquid Limit	Plastic Index	P 2(RQJ Con
1 48 GP 30	P U		Brown TOPSOII organics.	ر, soft, moist, trace	;		1\('\) '\ '\) '\ \ \ \ \ \ \ \ \ \ \ \ \ \	1	0.0						
	S		organics.				11/2 1	4							
	" F	0.5		LAY with some sa	nd and										
	E		gravel, dry, stiff.												
	<u> </u> -:	1.0													
	-														
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	F														
	E,	2.0				CL-M									
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	<u>-</u> [-3	3.0													
	L														
	<u> </u>	3.5	Maria Candonia	NDATEE 1 1	11										
	F		graded.	GRAVEL, dry, loo	se, well	GWS]							
	E,	4.0						Ì							
		+.0	Refusal at 4' bgs. with bentonite.	Borehole abando	ned										Refusal.
			with belitointe.												
	that the	infor	mation on this form is	true and correct to the b	est of my k	nowled	ge.								
Signature	luy	1	Whent		ne Sigma 00 W Canal			у л 52	233						414-643-4200 414-643-4210
	V	(Manal	130	or in Canal	- 1VIII	· · · · · · · · · · · · · · · · · · ·	, 11 1 2 2						1 an.	UTJ-T410

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

Route To: Watershed/Wastewater Remediation/Redevel		Waste l Other	_	ement									
									Pag	e 1	of	1	
Facility/Project Name		License/			_			Boring	Numbe		26~		
Try Chem Boring Drilled By: Name of crew chief (first, last) and Firm			BRRTS #02-41-409441 SB Date Drilling Started Date Drilling Completed						B-26g Drilling Method				
Michael Murray The Sigma Group, Inc.		10/14/2020 10/14/2020						Geoprobe					
WI Unique Well No. DNR Well ID No. Commo	on Well Name	Final Sta	Final Static Water Level Surface Elevation B					Bo	Borehole Diameter				
	SB-26g		Feet MSL				619.5 Feet MSL Local Grid Location					2.3 inches	
Local Grid Origin ☐ (estimated: ☐) or Boring Local State Plane 380,019 N, 2,522,237 E	ation S/C/N	La	t	°	<u> </u>	"	Local G	ria Loc	cation			□Е	
NE 1/4 of SE 1/4 of Section 31, T 7	n, r 22 e	Long		°	<u> </u>	"		Feet	\Box S]	Feet W	
Facility ID County	1	County Co	de	Civil To		-	Village						
241078530 Milwaukee Sample		41		Milw	aukee			Soil	Dropo	rtios			
	crintion							Soil Properti					
	-						sive					ts	
Each Major	_		CS	hic	ram	FID	pres	ture	id t	icity x	0	men.	
Number and Type and Type Length Att. & Recovered (ii) Blow Counts Boil/Rock Des And Geologic C Each Major Each Major			Sn	Graphic Log	Well Diagram	PID/FID	Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments	
1 48 P - Brown TOPSOIL, soft, r	noist, trace			717 71		0.0							
GP 30 U corganics.				71.71									
H -0.5 Brown SILTY CLAY w	ith some san	nd and											
gravel, dry, stiff.	2011 001110 0011												
-1.0													
-2.0			CL-MI			0.0							
-3.5 White SANDY GRAVE	L, dry, loose	e, well		XXXXX									
graded.			GWS	35									
Refusal at 4' bgs. Boreh	ole abandon	ed.		. •								Refusal.	
with bentonite.	ore dodingon	ica											
I hereby certify that the information on this form is true and c	porrect to the La	set of my 1-	000124	70									
Signature / A / C / M	77'										T 1	414 (42 4200	
ellun libut	1110	e Sigma () W Canal (WI 53	233						414-643-4200 414-643-4210	

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

Page 1 of 1 Facility/Project Name License/Permit/Monitoring Number Boring Number	1 MW-13		
Facility/Project Name License/Permit/Monitoring Number Boring Number			
CD 07/	/IW-13		
	ng Method		
Michael Murray	ng Method		
The Sigma Group, Inc. 10/14/2020 10/14/2020 Geo	oprobe		
•	orehole Diameter 2.3 inches		
NA NA MW-13 Feet MSL 617.8 Feet MSL 2.3 in Local Grid Origin (estimated:) or Boring Location Local Grid Local	inches		
State Plane 380,074 N, 2,522,193 E S/C/N Lat " "	□Е		
	eet W		
Facility ID County Code Civil Town/City/ or Village 241078530 Milwaukee 41 Milwaukee			
Sample Soil Properties			
	nts		
Number and Type Length Att. Recovered (Blow Count Blow Count Blow Count Compressiv Compressiv Strength Moisture Content Liquid Limit Plasticity Index P 200	RQD/ Comments		
	RQ		
1 48 P Brown TOPSOIL, soft, moist, trace organics.			
S H -1.5 Brown SILTY CLAY with black and rust			
strooks and some sand and grovel stiff dry	Lab sampled		
	(2-4') for total		
	Chromium and		
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	Hexavalent		
S Dark gray SILTY CLAY, wet, soft.	Chromium.		
	Lab sampled		
Dork gray SILTY CLAY, yet soft	(6-8') for total		
Tan GRAVEL, wet, poorly graded.	Chromium and		
3 48 P Dark brown SIL1Y CLAY, wet, stiff. 0.0 0.0	Hexavalent		
GP 32 S -9.0 Reddish brown CLAYEY SAND, wet, SC very soft, well graded.	Chromium.		
graded.			
	Blind Drilled.		
	Diffied.		
EOB at 16' bgs. 1" pre-pack monitoring	End of		
well installed to 14.2' bgs with 10' screen and 12' filter pack.	boring.		
and 12 inter pack.			
I hereby certify that the information on this form is true and correct to the best of my knowledge.			
F F F F F F F F F F F F F F F F F F F	14-643-4200 14-643-4210		

ATTACHMENT 2 Ch. NR 141 VARIANCE APPROVAL

Steven Kikkert, E.I.T.

From: Martinez, Joseph J - DNR < Joseph.Martinez@wisconsin.gov>

Sent: Friday, July 31, 2020 12:38 PM

To: Steven Kikkert, E.I.T.

Cc: Mafizul Islam, P.E.; Reimer, Mathew

Subject: RE: 0241409441_Try-Chem Corp_Work Plan

Steven,

On July, 2020 the DNR received the work plan titled "Additional Site Investigation Work Plan" without a fee for DNR review and response. The DNR conducted a preliminary review of the document and has the following comments. Contact me if you have any questions or would like to discuss the contents of this email.

- The DNR approves the installation of two one-inch groundwater monitoring wells as allowed under Wis. Admin. Code ch. NR 141.31 for the additional investigation of the above referenced ERP site. The variance is justified to limit the disturbance of the site's clay cap. The DNR understands that the wells will meet Wis. Admin. Code ch. NR 141 construction requirements except for the smaller diameter. When referencing these wells in reports, please refer to them as small diameter wells and not temporary wells.
- The work plan proposes to utilize the results of the proposed hexavalent chromium sampling to determine if additional subsurface characterization for PFAS is necessary. The DNR has determined that this plan is not acceptable. Chromium cannot be used as an indicator of PFAS, nor can PFAS be used as an indicator of chromium. Please submit a revised work plan which satisfies the requests related to PFAS contained in the DNR letter "Request for Additional Information," dated March 10, 2020.

We are committed to service excellence.

Visit our survey at http://dnr.wi.gov/customersurvey to evaluate how I did.

Joseph Martinez

Phone: (414) 263-8705 (please contact cell phone or email during the Covid-19 health crisis)

Temporary Cell Phone: (414) 651-2201

Joseph.Martinez@wisconsin.gov

From: Martinez, Joseph J - DNR Sent: Tuesday, July 14, 2020 11:39 AM

To: 'Steven Kikkert, E.I.T.' <skikkert@thesigmagroup.com>

Cc: Mafizul Islam, P.E. <mislam@thesigmagroup.com>; Reimer, Mathew <Mathew.Reimer@milwaukee.gov>

Subject: RE: 0241409441_Try-Chem Corp_Work Plan

Thank you Steve. I will take a look and get back to you with my thoughts as soon as possible.

We are committed to service excellence.

Visit our survey at http://dnr.wi.gov/customersurvey to evaluate how I did.

Joseph Martinez

Phone: (414) 263-8705 (please contact cell phone or email during the Covid-19 health crisis)

Temporary Cell Phone: (414) 651-2201 Joseph.Martinez@wisconsin.gov

ATTACHMENT 3 WELL CONSTRUCTION FORMS

State of Wisconsin Department of Natural Resources		_	_				
Route To:	Watershed/Wastewat Remediation/Redeve		anagement	MONITORING WELL Form 4400-113A	L CONSTRU Rev. 7-98		ION
Facility/Project Name	Local Grid Location of			Well Name			
Try Chem	ft F	N.	□ E.	MW	₋₁₂		
Facility License, Permit or Monitoring No.	Local Grid Origin] Nft] Sft] (estimated: □) or `	Well Location	Wis. Unique Well No.	DNR Well N	lumb	 ber
BRRTS #02-41-409441	Lat	Long °	or	NA	NA	1	
Facility ID		ft. N,2,522,219		Date Well Installed			
241078530	Section Location of W			10/14/			
Type of Well	NE 1/4 of SE 1	/4 of Sec. <u>31</u> , T. <u>7</u>	$N.R.$ 22 $\square W$	Well Installed By: (Pers	on's Name a	nd F	irm)
Well Code 11/mw Distance from Waste/ Enf. Stds.	Location of Well Relat	rive to Waste/Source	Gov. Lot Number	Michael	Murray		
Source ft. Apply	u □ Upgradient d □ Downgradient	s ☐ Sidegradient n ☐ Not Known		The Sigma 0	Group, Inc.		
A. Protective pipe, top elevation	ft. MSL		1. Cap and lock?				No
B. Well casing, top elevation 61	6.11 ft. MSL ——		2. Protective cover p			4	.0 in.
<u>.</u>			a. Inside diameterb. Length:		_	1.	.0 in.
	515.6 ft. MSL		c. Material:		Steel		
D. Surface seal, bottom 612.6 ft. MSL	or3.0 ft.						
12. USCS classification of soil near screen:	200		d. Additional prot	ection?	☐ Yes		No
	V □ SP □		If yes, describe	:			
SM SC ML MH CB	C ⊠ CH □		3. Surface seal:		Bentonite		
	es 🛮 No				Concrete	_	
				well casing and protective		П	
14. Drilling method used: Rotar Hollow Stem Aug	-		4. Material between	wen casing and protective	Bentonite	\bowtie	3.0
	er 🛛						
		₩ ₩	5. Annular space sea	l: a. Granular/Chippe	ed Bentonite	П	3 3
	ir 🗆 0 1		-	nud weight Bentonite			
Drilling Mud □ 0 3 Nor	e ⊠99			nud weight Ben			
16. Drilling additives used? ☐ Ye	es 🖾 No		d% Benton		ement grout		5 0
	2119			volume added for any of			0.1
Describe			f. How installed:		Tremie mie pumped		
17. Source of water (attach analysis, if required):			1101	Gravity		
			6. Bentonite seal:	a. Bentor	nite granules		
		X X /	b. □ 1/4 in. ⊠		ntonite chips		
E. Bentonite seal, top 615.6 ft. MSL	or0.0 ft. <						
				l: Manufacturer, product	name & mes	h siz	e
F. Fine sand, top ft. MSL	or ft. \		a	ft ³		—	
G. Filter pack, top 613.1 ft. MSL	or <u>2.5</u> ft. \			al: Manufacturer, product		sh si	ize
G. Filter pack, top it. MSL	Jr rt.		a	Red Flint #40 Mesh	. Harrie & me	311 31.	LC
H. Screen joint, top 611.4 ft. MSL	or4.2 ft		b. Volume added		i	_	
• •			9. Well casing:	Flush threaded PVC	schedule 40		23
I. Well bottom 601.4 ft. MSL	or <u>14.2</u> ft. \			Flush threaded PVC	schedule 80		24
600.6	15.0			****	Other		
J. Filter pack, bottom 600.6 ft. MSL	or15.0 ft. _		10. Screen material:	PVC			
K. Borehole, bottom599.6 ft. MSL	160 A		a. Screen Type:	Com	Factory cut		
K. Borehole, bottom 599.6 ft. MSL	or n.			Cor	ntinuous slot		
L. Borehole, diameter in.			b. Manufacturer				
E. Borenote, diameter in.			c. Slot size:			0.01	10 in.
M. O.D. well casing 1.25 in.			d. Slotted length:		_	10.	<u>.0</u> ft.
-		1	1. Backfill material (None		
N. I.D. well casing <u>1.00</u> in.				Slough	Other	\boxtimes	
T1 1 20 4 4 2 2 2 4 2							
I hereby certify that the information on this form Signature	Eima						
~	-	The Sigma Group	ee W/I 53233		Tel: 414		

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

State of Wisconsin Department of Natural Resources		_		_				
Route To:	Watershed/Waste Remediation/Red		Waste Man	agement \square	MONITORING WELI Form 4400-113A	L CONSTRU Rev. 7-98		ION
Facility/Project Name	Local Grid Location		Other 🗀		Well Name			
Try Chem	f	N.	ft	□ E.	MW	<i>I</i> _13		
Facility License, Permit or Monitoring No.	Local Grid Origin	et. S. ——————————————————————————————————		ell Location	Wis. Unique Well No.	DNR Well N	lumb	er
BRRTS #02-41-409441	Lat°	Lone	g	or	NA NA	NA		
Facility ID		074 ft. N,			Date Well Installed			
241078530	Section Location of	of Waste/Source	_,=,=_,==	_ II. E 5/C/N	10/14/			
Type of Well			т 7	N, R. $22 \square W$	Well Installed By: (Pers	son's Name a	nd F	irm)
Well Code 11/mw	Location of Well F	Relative to Waste/S		Gov. Lot Number	Michael	Murray		
Distance from Waste/ Source Enf. Stds. Apply ☐ In the standard of the stan	u 🗆 Upgradier		degradient		The Sigma	Group, Inc.		
A. Protective pipe, top elevation	ft. MSL —	•		. Cap and lock?		⊠ Yes		No
B. Well casing, top elevation61	8.42 ft. MSL —		2.	a. Inside diameter:			4.	.0 in.
C. Land surface elevation	517.8 ft. MSL <			b. Length:		_	1.	.0 ft.
		T-100-100	in unit un	c. Material:		Steel		04
D. Surface seal, bottom 614.8 ft. MSL	or3.0 ft. \	575753 575753						
12. USCS classification of soil near screen:		DALEAN CONS	Nicolicolic		ection?			No
	V □ SP □	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\		If yes, describe:	:			
SM SC ML MH CB	L⊠ CH□		3.	. Surface seal:		Bentonite		
	es 🛮 No					Concrete		
14. Drilling method used: Rotar					well casing and protective		П	
Hollow Stem Aug	-		· ·	. Material between	well casing and protective	Bentonite	\boxtimes	3.0
	er 🛛 🗀							
			5	Annular space sea	l: a. Granular/Chippe	ed Bentonite	П	3 3
15. Drilling fluid used: Water □ 0 2 A	ir 🗆 0 1		X	-	ud weight Bentonite			
Drilling Mud □ 0 3 Nor	e ⊠99				ud weight Ben			
16. Drilling additives used? ☐ Ye	s ⊠No			l% Benton		ement grout		50
10. Drining additives used:	S MINO		×		volume added for any of			
Describe			f	f. How installed:		Tremie		
17. Source of water (attach analysis, if required			Š		Tre	mie pumped Gravity		
, , , , , ,				D	- Donto	-		
			, o.	Bentonite seal:		nite granules ntonite chips		
E. Bentonite seal, top 617.8 ft. MSL	or0.0 ft.				576 III. 🗀 172 III. Bei	-		
E. Bentonic scal, top it. Wise	or it.		,7.		: Manufacturer, product			
F. Fine sand, top ft. MSL	or ft.			a				
		/ 12 1		b. Volume added	ft ³	ŀ		
G. Filter pack, top 615.3 ft. MSL	or ft.		8.	. Filter pack materia	al: Manufacturer, product	t name & me	sh si	ze
(12.6	4.2			a	Red Flint #40 Mesh		_	
H. Screen joint, top 613.6 ft. MSL	or <u>4.2</u> ft.			b. Volume added				
603.6 0 1/01	14.2		9.	. Well casing:	Flush threaded PVC			
I. Well bottom 603.6 ft. MSL	or14.2 ft.				Flush threaded PVC			
J. Filter pack, bottom 602.8 ft. MSL	n 15.0 ft		10	Screen material:	PVC	Other	Ш	
J. Filter pack, bottom 602.8 ft. MSL	or n.		\ 10.	a. Screen Type:	1,0	Factory cut	M	11
K. Borehole, bottom 601.8 ft. MSL	or 16.0 ft.	\ \ <i>\\\\\\</i>		a. Screen Type.	Cor	ntinuous slot		
1111102								
L. Borehole, diameter 2.3 in.			4	b. Manufacturer				
				c. Slot size:		_	0.01	10_ in.
M. O.D. well casing 1.25 in.				d. Slotted length:		_		<u>.0</u> ft.
			`11.	. Backfill material (None		
N. I.D. well casing <u>1.00</u> in.					Slough	Other	\boxtimes	
I hereby certify that the information on this form Signature	is true and correct Firm							
o.g.maio	1.1111	The Sigma Gro		W/I 53233		Tel: 414		

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

ATTACHMENT 4 BOREHOLE ABANDONMENT FORMS

Well / Drillhole / Borehole Filling & SealingForm 3300-5 (R 4/08) Page 1 c

	nly of Fill a	nd Seal	Route				¬		✓-		<i>(</i> 2.)				
SB-			I —	Drinking \			_	ed/Wastewater	∠ Re	emediatio	n/Rede	velopment			
			<u> </u>	Waste Ma	anageme		Other _	-f							
1. Well Location Infor	WI Unique We	ell # of	Hicap #			2. Facility		normation							
oouy	Removed We		oup	NA		Try Chem									
Milwaukee	NA					Facility ID (FI									
Lattitude / Longitude (Degr		es) I	Method Cod	le (see ins	structions	24107853	0								
0 ' "'						License/Perm	it/Monitoring	j #							
1////	1.		l 	ls.		BRRTS #	02-41-409	441							
	SE SE	Section	Township	Range	² ⊠ E	Original Well (Owner								
or Gov't Lot #		31	7	22	□ w	NA									
Well Street Address						Present Well (
1333 W. Pierce Stre	et					City of Mi Mailing Addre		at Ourpor							
Well City, Village or Town			Well ZI	P Code		809 N. Bro		it Owner							
Milwaukee			532	204		_City of Presen				State	ZIP	Code			
Subdivision Name			Lot #			Milwauke				WI	53	3202			
NA			N					en, Casing &	Sealing Mat						
Reason For Removal From	n Service W	/I Unique We		acement \	Well	Pump and piping removed? Yes No									
No Further Use		41	NA			Liner(s) removed?									
3. Well / Drillhole / Bo	renoie intor	Original Con	struction Da	ate		Screen removed? Yes No									
Monitoring Well	10/14/2020									Yes [No	⊠ N/A			
Water Well	Water Well							Was casing cut off below surface? Yes No							
Drillhole / Borehole If a Well Construction Report is available, please attach.						Did sealing material rise to surface? Yes No									
available, please attaon.						Did materia	al settle afte	r 24 hours?		Yes	∑ No	∐ N/A			
Construction Type: Drilled	Driven (Candpaint)	ı	Dug		If yes, was hole retopped?						⊠ N/A			
	☐ Dilveil (Sandpoint)	l	Dug			•	used, were they	hydrated	l vaa T	¬ No	□ N/A			
Other (Specify)								n safe source ng Sealing Mate		Yes	No	IN/A			
Formation Type:							tor Pipe-Gra	= =		ctor Pipe	-Pumpe	4			
Unconsolidated Forma	ation		Bedrock				ed & Poured	•		(Explain)	1 dilipot	4			
Total Well Depth From Gro	ound Surface (fl) Casing	Diameter (ir	1.)		-	ite Chips)	-		,					
12.0	,	NA	,	,		Sealing Mater	ials								
Lower Drillhole Diameter (ii	n)		Depth (ft.)			⊣ ┌─	ement Grout	t	Cla	ay-Sand S	Slurry (1	1 lb./gal. wt.			
2.3	,		Dopui (ii.)			Sand-C	ement (Con	crete) Grout	☐ Be	ntonite-S	and Slu	rry "			
		NA	a –			Concret	te		⊠ Be	ntonite C	hips				
Was well annular space gro		Yes 🗵		Unkno	own			Monitoring We	II Boreholes O	nly:					
If yes, to what depth (feet)	?	Depth to Wa	iter (feet)				te Chips		Bentonite - C						
NA		NA				☐ Granula	r Bentonite		Bentonite - S			5 "			
5. Material Used to Fi	II Well / Drill	hole				From (ft.)	To (ft.)		, Sacks Sea ne (circle on			Ratio d Weight			
2/9" Dantarita						Carefora	12.0								
3/8" Bentonite						Surface	12.0								
6. Comments						<u>'</u>									
7. Supervision of Wor	rk								DNI	R Use C	nly				
Name of Person or Firm Do		ealing	Licens	e#	D	ate of Filling &	Sealing (mn	n/dd/yyyy) Date			ed By				
The Sigma Group, Inc	D					10/14/2020									
					Т	Telephone Number Comments									
1300 W. Canal Street						414-643-420									
City			State	ZIP Co		Signature of F	Person Doing	g Work	11-1	Date	Signed				
Milwaukee			WI	532	33	1		X V IMMII	· IWMin	^	10/15/2	U2U			

Well / Drillhole / Borehole Filling & SealingForm 3300-5 (R 4/08) Page 1 c

— \/			Route	to:									
☐ Verification Or		ind Seal		Drinking Water		☐ Watersh	ed/Wastewater	⊠ Rem	ediation/Re	development			
SB-	<i>2</i> 0			Waste Manage	ement	Other _							
1. Well Location Infor	mation				2. Facility	/ Owner In	nformation						
County	WI Unique We		Hicap #		Facility Name	!							
Milwaylea		11		NA	Try Chem								
Milwaukee Lattitude / Longitude (Degr	NA ees and Minute	26)	Method Cod	e (see instructi	Facility ID (FI	,							
o i ii i)	victioa coa	c (see instructi	2410/853								
0 1 11 1					License/Perm	•	-						
		Section	Township	Range 🖂	0 : : ! ! ! ! !	02-41-409	441						
or Gov't Lot #		31	7	22	E Original Well	Owner							
Well Street Address					Present Well	Owner							
Well Street Address					City of M	ilwaukee							
1333 W. Pierce Stre	et				Mailing Addre	ss of Prese	nt Owner						
Well City, Village or Town			Well ZI		809 N. Br								
Milwaukee Subdivision Name			Lot #	3204	City of Preser	nt Owner		St		IP Code			
			Lot #	NA	Milwaukee WI 53202								
NA Reason For Removal From	Service W	/I Unique We	ell # of Repla	cement Well	4. Pump, Liner, Screen, Casing & Sealing Material								
No Further Use			NA		Pump and piping removed? Yes No								
3. Well / Drillhole / Bo	rehole Infor	mation			Liner(s) removed? Screen removed? Yes No								
Monitoring Well		Original Con	struction Da	te	Screen rer				res ☐ N				
Water Well		10/14/20	20		Casing left	•			res □ N				
		If a Well C	Construction	Report is		-	ow surface?	=	res ☐ N	=			
Drillhole / Borehole	:h. '		•	se to surface?		′es ⊠ N	=						
Construction Type:						Did material settle after 24 hours? If yes, was hole retopped? Yes No Yes No X							
Drilled	Driven ((Sandpoint)	[Dug	-	If bentonite chips were used, were they hydrated							
Other (Specify)							vn safe source		es N	o N/A			
Formation Type:					Required Met	hod of Placi	ng Sealing Mater	ial					
Unconsolidated Forma	tion		Bedrock			ctor Pipe-Gra	•		r Pipe-Pum	ped			
						ed & Poured	d	U Other (Ex	plain)				
Total Well Depth From Gro	ound Surface (fl	t) Casing	Diameter (in	.)	,	nite Chips)							
12.0			NA		Sealing Mater								
Lower Drillhole Diameter (in	n.)	Casing	Depth (ft.)			ement Grou			-	(11 lb./gal. wt			
2.3			NA		— Concre		crete) Grout		onite-Sand Sonite Chips	Siurry " "			
Was well annular space gro	outed?] Yes	No [Unknown			d Monitoring Wel						
If yes, to what depth (feet)?		Depth to Wa		-	-	ite Chips		Bentonite - Cerr					
NA		NA	, ,			ar Bentonite		Bentonite - San					
5. Material Used to Fi	II Well / Drill	hole			From (ft.)	To (ft.)		, Sacks Sealar ne (circle one)		lix Ratio lud Weight			
3/8" Bentonite					Surface	12.0							
6. Comments													
o. commonto													
7. Supervision of Wor								DNR U	Jse Only				
Name of Person or Firm Do	oing Filling & Se	ealing	Licens	e#	Date of Filling &	Sealing (mn	n/dd/yyyy) Date f	Received	Noted By				
The Sigma Group, Inc.					10/14/2020								
Street or Route					Telephone Number Comments								
1300 W. Canal Street					414-643-4200 P Code Signature of Person Doing Work // 4 Date Signed								
City Milwaukee			State WI	ZIP Code 53233	olgriature of F	- 612011 DOIN	g work	Mr. An. L	1	iea 5/2020			

Well / Drillhole / Borehole Filling & SealingForm 3300-5 (R 4/08) Page 1 c

— \/			Route	to:									
☐ Verification Or SB-		and Sear	I —	Drinking Water		☐ Watersh	ed/Wastewater	⊠ F	Remediatior	ı/Redev	elopment		
				Waste Managem		Other _							
1. Well Location Infor					2. Facility	/ Owner Ir	nformation						
County	WI Unique W Removed We		Hicap #	NA	Facility Name Try Chem								
Milwaukee	NA			NA	Facility ID (FII								
Lattitude / Longitude (Degr	ees and Minut	es)	Method Cod	e (see instruction		,							
0 1 11 1	N				License/Perm								
0 1 11 1	W				BRRTS #	•							
1/4 / 1/4 NE 1/4 :	SE	Section	Township	Range X E	0 : : 134/ 11/		771			-			
or Gov't Lot #		31	7	22 🛱 v									
Well Street Address					Present Well	Owner							
1333 W. Pierce Stre	et				City of Mi Mailing Addre		-1 0						
Well City, Village or Town			Well ZI	P Code			it Owner						
Milwaukee			5	3204	809 N. Bro City of Presen				State	ZIP (
Subdivision Name			Lot #		Milwauke				WI		202		
NA				NA			on Casing &	Spaling Ma			202		
Reason For Removal From	Service \	VI Unique We	ell # of Repla	cement Well	4. Pump, Liner, Screen, Casing & Sealing Material Pump and piping removed? Yes No								
No Further Use			NA										
3. Well / Drillhole / Bo	rehole Info	rmation			Liner(s) removed? Yes No Screen removed?								
Monitoring Well		Original Cor	struction Da	ite									
Water Well		10/14/20	20		Gaeing lott in piace.								
		If a Well (Construction	Report is	1			L X	Yes	No	N/A N/A N/A		
Drillhole / Borehole	e		please attac		Did Scaling material rise to surface:								
Construction Type:					If yes, was hole retopped? Yes No						∐ N/A ⊠ N/A		
Drilled	Driven	(Sandpoint)	[Dug			used, were they	hydrated		,			
Other (Specify)	_					•	vn safe source		Yes	No	N/A		
							ng Sealing Mater						
Formation Type:						tor Pipe-Gra	avity	Condu	uctor Pipe-F	umped	I		
Unconsolidated Forma	ition		Bedrock		Screene	ed & Poured	i	Other	(Explain)				
Total Well Depth From Gro	und Surface (ft) Casing	Diameter (ir	1.)	(Bentor	ite Chips)				_			
7.0			NA		Sealing Mater	ials							
Lower Drillhole Diameter (ii	n.)	Casing	Depth (ft.)		Neat Ce	ement Grou	t				1 lb./gal. wt.)		
2.3	,		NA		Sand-C	ement (Con	crete) Grout	∐ в	entonite-Sa	nd Slur	ry " "		
	Г				Concret				entonite Ch	ips			
Was well annular space gro			No [Unknown	For Monitoring Wells and Monitoring Well Boreholes Only:								
If yes, to what depth (feet)?	?	Depth to Wa	` '			te Chips		Bentonite - 0					
NA		NA NA	١		Granula	r Bentonite		Bentonite - S					
5. Material Used to Fi	II Well / Dril	lhole			From (ft.)	To (ft.)		, Sacks Sea ne (circle o			Ratio I Weight		
3/8" Bentonite					Surface	7.0							
6. Comments													
o. comments													
7. Supervision of Wor	rk							DN	IR Use Or	ıly			
Name of Person or Firm Do	oing Filling & S	ealing	Licens	e#	Date of Filling &	Sealing (mn	n/dd/yyyy) Date f	Received	Noted	Ву			
The Sigma Group, Inc	.				10/14/2020								
Street or Route					Telephone Numb	per	Comn	nents		· · · · · ·			
1300 W. Canal Street				414-643-420									
City	State ZIP Coo									•			
Milwaukee			\X/T	53233	1		. N V IMILI	- 111 /lai	^ 1	10/15/20	コンロ		

Well / Drillhole / Borehole Filling & SealingForm 3300-5 (R 4/08) Page 1 c

☐ Verification Or		nd Seal	Route	to: Drinking Wa	nter	Г	☐ Watersh	ed/Wastewater	⊠ Re	emediatio	n/Redev	velopment			
SB-	21b			Waste Mana		nt \Box	Other _	ou, rradiomato.		ouidio	.,	· o.opo			
1. Well Location Infor				Wasto Wart	agorrior	2. Facility		nformation							
County	WI Unique We		Hicap #			Facility Name									
	Removed Wel	I		NA		Try Chem									
Milwaukee	NA	, 1.				Facility ID (FID	or PWS)								
Lattitude / Longitude (Degre		s) I	Method Cod	le (see instru	uctions	241078530	0								
						License/Permi	it/Monitorino	g #							
	1.	Section	Township	Dange		BRRTS #0		441							
	SE S	31	7	Range	≦ E	Original Well (Owner								
or Gov't Lot #		31	,	22	_ w	NA									
Well Street Address						Present Well (
1333 W. Pierce Stree	et					City of Mi Mailing Addres		at Ourner							
Well City, Village or Town			Well ZI	P Code		_		it Owner							
Milwaukee			5	3204		809 N. Bro City of Presen				State	ZIP (Code			
Subdivision Name			Lot #			Milwauke				WI		3202			
NA				NA				en, Casing &	Sealing Mate			7202			
Reason For Removal From	Service W	I Unique We	ll # of Repla	acement We	II	Pump and piping removed? Yes No						N/A			
No Further Use			NA			Liner(s) removed?									
3. Well / Drillhole / Bo						Screen rem			П	Yes	No	⊠ N/A ⊠ N/A			
Monitoring Well	☐ Monitoring Well Original Construction Date 10/14/2020							Casing left in place? Yes No							
Water Well		10/14/20	20				•	ow surface?		Yes	_ No	N/A			
Drillbala / Barabala If a Well Construction Report is						Was casing cut off below surface? Did sealing material rise to surface? Yes No Yes No									
Drillhole / Borehole available, please attach.						Did material settle after 24 hours?									
Construction Type:						If yes, was hole retopped?						N/A			
Drilled	Driven (Sandpoint)	[Dug		I -		used, were they	hydrated						
Other (Specify)						with water f	from a knov	n safe source		Yes	No	N/A			
Formation Type:					_	Required Meth	nod of Placi	ng Sealing Mate	rial						
							tor Pipe-Gra	avity	Conduc	tor Pipe-	Pumpe	b			
Unconsolidated Forma	tion		Bedrock			Screene	ed & Poured	i	Other (Explain)					
Total Well Depth From Gro	und Surface (ft) Casing I	Diameter (ir	า.)		(Benton	ite Chips)								
7.0		1	NA			Sealing Mater	ials								
Lower Drillhole Diameter (in	n.)	Casing I	Depth (ft.)				ement Grou			-		1 lb./gal. wt.			
2.3			NA					crete) Grout	_	ntonite-Sa		rry " "			
\\\\			No [Concret				ntonite Ch	nips				
Was well annular space gro If yes, to what depth (feet)?		」Yes 丛 Depth to Wa		Unknowr	1			Monitoring We							
NA	f	NA					te Chips ir Bentonite	H	Bentonite - Ce Bentonite - Sa						
NA		INA				U Granula			, Sacks Seal			Ratio			
5. Material Used to Fil	II Well / Drilli	nole				From (ft.)	To (ft.)		ne (circle on			d Weight			
3/8" Bentonite						Surface	7.0								
3/8 Bentonne						Surface	7.0			-					
6. Comments								'							
7. Supervision of Wor	·k								DNF	R Use O	nly				
Name of Person or Firm Do	ing Filling & Se	aling	Licens	e #	Da	ate of Filling &	Sealing (mn	n/dd/yyyy) Date	Received	Note	d By				
The Sigma Group, Inc.					10/14/2020										
Street or Route					Telephone Number Comments										
1300 W. Canal Street						414-643-420				-					
City			State	ZIP Code		Signature of P	erson Doin	g Work	nº1		Signed				
Milwaukee			WI	53233		1		X VIMI	· IW Much	^	10/15/2	U20			

Well / Drillhole / Borehole Filling & SealingForm 3300-5 (R 4/08) Page 1 c

— \/			Route	to:										
☐ Verification Or		ind Seal		Drinking Wate	r		☐ Watershe	ed/Wastewater	\boxtimes	Remediati	on/Redev	velopment		
SB-	21c			Waste Manage	emer	nt 🗀	Other _							
1. Well Location Infor	mation		•			2. Facility	Owner Ir	nformation						
County	WI Unique W		Hicap #			Facility Name								
Milwaylea	Removed We	11		NA		Try Chem								
Milwaukee Lattitude / Longitude (Degr	NA ees and Minute	26)	Method Cod	e (see instruct	ions)	Facility ID (FID	,							
o ı ııı			violitod Ooc	0 (000 111011 001		241078530								
0 1 11 1						License/Permi								
		Section	Township	Range		BRRTS #0 Original Well 0		441						
or Gov't Lot #		31	7	22	E W	NA	JWI IEI							
Well Street Address					VV	Present Well (Owner							
Well Street Address						City of Mi	lwaukee							
1333 W. Pierce Stre	et					Mailing Addres	ss of Preser	nt Owner						
Well City, Village or Town				P Code		809 N. Bro								
Milwaukee Subdivision Name			Lot #	3204		City of Presen	t Owner			State		Code		
			LOI #	NA		Milwauke				WI	53	3202		
NA Reason For Removal From	Service W	/I Unique We	ll # of Repla	cement Well	4. Pump, Liner, Screen, Casing & Sealing Material							⊠ N/A		
No Further Use			NA			Pump and piping removed? Yes No								
	ell / Drillhole / Borehole Information						Liner(s) removed?							
Monitoring Well	Monitoring Well Original Construction Date						oved?		<u> </u>	Yes Yes	No No	⊠ N/A ⊠ N/A		
Water Well		10/14/20			Casing left	•		<u>L</u>	Yes	No	N/A			
	If a Well Construction Report is							ow surface?	L	res ⊠ Yes	No	□ N/A		
Drillhole / Borehole	Drillhole / Borehole available, please attach.						material ris Il settle afte	e to surface?	[Yes	⊠ No	□ N/A		
Construction Type:						If yes, was hole retopped?								
Drilled	Driven ((Sandpoint)	[Dug		If bentonite chips were used, were they hydrated								
Other (Specify)								n safe source		Yes	No	N/A		
Formation Type:						Required Meth	nod of Placi	ng Sealing Mate	ial					
Unconsolidated Forma	tion		Bedrock				tor Pipe-Gra	•		ductor Pipe		b		
						1	ed & Poured	I	☐ Othe	er (Explain))			
Total Well Depth From Gro	ound Surface (f	t) Casing I	Diameter (ir	1.)		,	ite Chips)							
12.0		1	NA			Sealing Materials								
Lower Drillhole Diameter (in	n.)	Casing I	Depth (ft.)				ment Grout			-		1 lb./gal. wt.)		
2.3		1	NA			Concret		crete) Grout		Bentonite- Bentonite (ту		
Was well annular space gro	outed?] Yes 🗵	No [Unknown				Monitoring Wei			Julps			
If yes, to what depth (feet)?		Depth to Wa				Bentonii			Bentonite -		Grout			
NA		NA	, ,				r Bentonite		Bentonite -					
5. Material Used to Fi	II Well / Drill	hole				From (ft.)	To (ft.)	No. Yards or Volun	, Sacks So ne (circle o			Ratio d Weight		
3/8" Bentonite						Surface	12.0							
										+				
6. Comments														
7. Supervision of Wor									D	NR Use	Only			
Name of Person or Firm Do	oing Filling & Se	ealing	Licens	e #	Da	ate of Filling & S	Sealing (mn	n/dd/yyyy) Date	Received	Not	ed By			
The Sigma Group, Inc.					10/14/2020									
Street or Route					Telephone Number Comments									
1300 W. Canal Street					414-643-4200 IP Code Signature of Person Doing Work / 4 Date Signed									
City Milwaukee			State WI	ZIP Code 53233		olynature of P	erzon Doiné	g work	Mish		e Signea 10/15/2			

Well / Drillhole / Borehole Filling & SealingForm 3300-5 (R 4/08) Page 1 c

— \/			Route	to:									
□ Verification O		and Seal		Drinking Water		☐ Watersh	ed/Wastewater	⊠ Rem	nediation/R	edevelop	ment		
SB-	-22			Waste Manage	ement [Other _							
1. Well Location Info	rmation				2. Facility	/ Owner Ir	nformation						
County	WI Unique W		Hicap #		Facility Name								
	Removed We	ell		NA	Try Chen								
Milwaukee	NA		Mathad Cad	a /aaa inatmusti	Facility ID (FI	D or PWS)							
Lattitude / Longitude (Deg	rees and Minut 'N	.es)	wethod Cod	e (see instructi	2410/853								
	'W				License/Pern	nit/Monitoring	g #						
1/4 / 1/4 NE 1/4		Section	Township	Range -		02-41-409	441						
	SE	31	7	Range Z	E Original Well	Owner							
or Gov't Lot #		J1	,		W NA Present Well	O							
Well Street Address													
1333 W. Pierce Stre	eet				City of M Mailing Addre		nt Owner						
Well City, Village or Town			Well ZI	P Code	809 N. Bi		iii Ownei						
Milwaukee			5	3204	City of Prese			Si	tate	ZIP Code			
Subdivision Name			Lot #		Milwauke				WI	53202			
NA				NA	4. Pump, Liner, Screen, Casing & Sealing Material								
Reason For Removal From	m Service V	VI Unique We	ell # of Repla	cement Well						No 🔀	N/A		
No Further Use			NA		Pump and piping removed? Yes No Liner(s) removed? Yes No								
3. Well / Drillhole / B	orehole Info		: D		Liner(s) removed? Yes No Screen removed? Yes No								
Monitoring Well		Original Con		ite	Casing lef				Yes 🗍	No 🏻	=		
Water Well		10/14/20	20			g cut off belo		Yes	No 🔀				
	If a Well Construction Report is							=	=	No 🗀	N/A		
	Drillhole / Borehole available, please attach.						Did sealing material rise to surface?						
Construction Type:					If yes, v	If yes, was hole retopped?							
Drilled	Driven	(Sandpoint)	[Dug	- I	If bentonite chips were used, were they hydrated							
Other (Specify)						•	vn safe source	_	Yes	No	N/A		
					Required Me	hod of Placi	ng Sealing Mater	ial					
Formation Type:						ctor Pipe-Gra	avity	Conducto	or Pipe-Pur	nped			
Unconsolidated Form	ation		Bedrock		Screen	ed & Poured	t	U Other (E)	(plain)				
Total Well Depth From Gr	ound Surface (1	ft) Casing	Diameter (in	ı.)	(Bento	nite Chips)							
12.0			NA		Sealing Mate	rials							
Lower Drillhole Diameter ((in.)	Casing	Depth (ft.)			ement Grou			Sand Slur				
2.3			NA				crete) Grout		onite-Sand	•	"		
		7		1	Concre				onite Chips	;			
Was well annular space g				Unknown			d Monitoring Wel						
If yes, to what depth (feet))?	Depth to Wa	, ,			ite Chips		Bentonite - Cen					
NA		NA NA	<u> </u>		Granui	ar Bentonite		Bentonite - San		M: D-4	u• _		
5. Material Used to F	ill Well / Dril	lhole			From (ft.)	To (ft.)		, Sacks Seala ne (circle one)		Mix Rat Mud Wo			
2/9!! Dont - :: t-					C	12.0							
3/8" Bentonite					Surface	12.0							
6. Comments													
<u> </u>													
7. Supervision of Wo	ork							DNR	Use Only	,			
Name of Person or Firm D		ealing	Licens	e #	Date of Filling &	Sealing (mn	n/dd/yyyy) Date I		Noted B				
The Sigma Group, Inc.					10/14/2020								
Street or Route					Telephone Number Comments								
1300 W. Canal Street	1300 W. Canal Street				414-643-4200								
City			State	ZIP Code	IP Code Signature of Person Doing Work								
Milwaukee			wı	53233			I VIMII.	1/11/hut	10/	15/2020			

Well / Drillhole / Borehole Filling & SealingForm 3300-5 (R 4/08) Page 1 c

	nly of Fill a	nd Seal	Route				_							
SB-2		na ooai	1 📙	Drinking W		_	_	ed/Wastewater	∠ Re	mediatio	n/Redev	/elopment		
				Waste Mar	nagemer		_ Other _							
1. Well Location Information	mation WI Unique We	all # of	Hicap #			2. Facility /	Owner II	ntormation						
County	Removed Wel		Tilicap #			Try Chem								
Milwaukee	NA			NA	١	Facility ID (FI								
Lattitude / Longitude (Degre	ees and Minute	es) [Method Cod	de (see insti	ructions)	241078530	,							
0 1 11 1	N					License/Permi		g #						
0 1 111	· · · · · · · · · · · · · · · · · · ·		1			BRRTS #0	02-41-409	441						
1/4 / 1/4 NE 1/4 S	SE S	Section	Township	Range	ΣE	Original Well (Owner							
or Gov't Lot #		31	7	22	W	NA								
Well Street Address	•			•		Present Well (
1333 W. Pierce Stree	et					City of Mi Mailing Addres		at Ourman						
Well City, Village or Town			Well Z	IP Code		_		it Owner						
Milwaukee			5	3204		809 N. Bro City of Presen				State	ZIP (Code		
Subdivision Name			Lot #			Milwauke				WI		3202		
NA				NA				en, Casing &	Sealing Mate			202		
Reason For Removal From	Service W	I Unique We		acement W	ell	Pump and	pipina remo	ved?		Yes	No	N/A		
No Further Use			NA			Liner(s) removed?								
3. Well / Drillhole / Bo		nation Original Con	struction D	ate		Screen removed? Yes No								
Monitoring Well	Monitoring Well 10/14/2020									Yes	No	⊠ N/A		
Water Well	Water Well						Was casing cut off below surface? Yes No							
Drillhole / Borehole If a Well Construction Report is available, please attach.						Did sealing material rise to surface?								
Otiti T			Did materia	al settle afte	r 24 hours?		Yes 🔀	No	∐ N/A					
Construction Type: Drilled	Drivon (Sandpoint)		Dug		If yes, was hole retopped? Yes No If bentonite chips were used, were they hydrated						⊠ N/A		
	□ Diliveii (oanupoint)	I	Dug			•		hydrated	Yes	No	N/A		
Other (Specify)					_			n safe source ng Sealing Mate		163] 140	IN/A		
Formation Type:		_					tor Pipe-Gra	= =		tor Pipe-	Pumpe	1		
Unconsolidated Format	tion		Bedrock				ed & Poured	•		Explain)				
Total Well Depth From Grou	und Surface (ft) Casing	Diameter (i	า.)		(Benton	ite Chips)		•					
7.0		'	NA			Sealing Mater	ials							
Lower Drillhole Diameter (in	າ.)		Depth (ft.)			Neat Ce	ement Grou	t	Cla	y-Sand S	lurry (1	1 lb./gal. wt.		
2.3	,	-	NA .			Sand-C	ement (Con	crete) Grout	☐ Ber	ntonite-Sa	ınd Sluı	ry " "		
			No [Concret				ntonite Ch	ips			
Was well annular space gro				Unknow	/n			Monitoring We						
If yes, to what depth (feet)?	′	Depth to Wa					te Chips	H	Bentonite - Ce					
NA		NA				Granula	r Bentonite		Bentonite - Sa , Sacks Seal			Ratio		
5. Material Used to Fil	I Well / Drilli	nole				From (ft.)	To (ft.)		ne (circle on			d Weight		
3/8" Bentonite						Surface	7.0							
3/8 Demonite						Surface	7.0							
6. Comments														
7. Supervision of Wor	'k								DNF	Use O	nlv			
Name of Person or Firm Doi		aling	Licens	se #	Da	ate of Filling &	Sealing (mn	n/dd/yyyy) Date		Note				
The Sigma Group, Inc.					10/14/2020									
					Telephone Number Comments									
1300 W. Canal Street					414-643-4200 de Signature of Person Doing Work // A Date Signed									
City			State	ZIP Cod		Signature of P	erson Doin	g Work	nº1.		•			
Milwaukee			l WI	5323	4	I .		X V IMMI	· IW Mul	_	10/15/2	U2U		

Well / Drillhole / Borehole Filling & SealingForm 3300-5 (R 4/08) Page 1 c

	nly of Fill a	nd Seal	Route	to: Drinking Wa	otor		7 Watershi	ed/Wastewater	M _P	modiatio	n/Podo	velopment			
SB-Z	23b			Waste Man		,	Other	cu/vvasiewaiei		Silieulalio	II/INEGE	velopinent			
1. Well Location Inform			<u> </u>	vvaste iviai i	agemei	2. Facility		nformation							
County	WI Unique We		Hicap #			Facility Name	- C 111101 11								
-	Removed Wel	I		NA		Try Chem									
Milwaukee	NA	. 1.				Facility ID (FI									
Lattitude / Longitude (Degre		es) [f	Method Cod	le (see instr	uctions)	241078530	0								
0 1 11 1						License/Permi	it/Monitoring	g #							
1//1/	1.	D4:	Township	lD		BRRTS #0	02-41-409	441							
	SE S	Section	'	Range	ΣE	Original Well (Owner								
or Gov't Lot #		31	7	22 [W	NA									
Well Street Address						Present Well (
1333 W. Pierce Stree	et					City of Mi Mailing Addres		at Ourman							
Well City, Village or Town			Well ZI	P Code		_		it Owner							
Milwaukee			5	3204		809 N. Bro City of Presen				State	7IP (Code			
Subdivision Name			Lot #			Milwauke				WI		3202			
NA				NA				en Casing &	Sealing Mate		J.	3202			
Reason For Removal From	Service W	'I Unique We	ll # of Repla	acement We	ell	4. Pump, Liner, Screen, Casing & Sealing Material Pump and piping removed? Yes No						N/A			
No Further Use			NA					vea?	H	Yes	No	N/A			
3. Well / Drillhole / Bo						Liner(s) ren Screen rem			H	Yes	No	⊠ N/A			
Monitoring Well	Monitoring Well Original Construction Date 10/14/2020							Casing left in place? Yes No							
Water Well		10/14/20	20				•	ow surface?	$\overline{}$	Yes [No	N/A			
Drillbala / Parabala If a Well Construction Report is						Was casing cut off below surface? Did sealing material rise to surface? Yes No Yes No									
Drillhole / Borehole available, please attach.						Did material settle after 24 hours?									
Construction Type:							as hole reto			Yes	No	N/A			
Drilled	Driven (Sandpoint)	[Dug		-		used, were they	hydrated						
Other (Specify)						with water t	from a knov	n safe source		Yes	No	N/A			
Formation Type:					_	Required Meth	nod of Placi	ng Sealing Mate	rial						
Unconsolidated Format	4:		Dadasalı				tor Pipe-Gra	•	Conduc	ctor Pipe-	Pumpe	b			
Unconsolidated Format	uon		Bedrock			1	ed & Poured	i	U Other (Explain)					
Total Well Depth From Gro	und Surface (ft) Casing	Diameter (ir	า.)		(Benton	ite Chips)								
8.0		ı	NA			Sealing Mater	ials								
Lower Drillhole Diameter (in	ո.)	Casing	Depth (ft.)				ement Grou			-		1 lb./gal. wt.			
2.3			NA					crete) Grout		ntonite-S		rry " "			
Mas well appular appearar	outod2	Yes 🗵	No [Unknow	n	Concret				ntonite C	hips				
Was well annular space gro If yes, to what depth (feet)?		Depth to Wa		_ UTIKITOW	11		g <i>vveils and</i> te Chips	Monitoring We	Bentonite - C		out				
NA		NA					ıe Criips ır Bentonite	H	Bentonite - Sa						
									, Sacks Seal			Ratio			
5. Material Used to Fil	II Well / Drill	hole				From (ft.)	To (ft.)		ne (circle on			d Weight			
3/8" Bentonite						Surface	8.0								
3/6 Bentonite						Surface	0.0								
6. Comments										·					
7. Supervision of Wor	·k								DNF	R Use O	nly				
Name of Person or Firm Do		aling	Licens	e #	Da	ate of Filling &	Sealing (mn	n/dd/yyyy) Date			d By				
The Sigma Group, Inc.					10/14/2020										
Street or Route T					Telephone Number Comments										
1300 W. Canal Street					414-643-4200										
City			State	ZIP Code		Signature of P	erson Doin		11-1		Signed				
Milwaukee			WI	53233	3	1		I I IIII	"/W/Min	*	10/15/2	020			

Well / Drillhole / Borehole Filling & SealingForm 3300-5 (R 4/08) Page 1 c

— \/ - = if - = ti - = 0 =			Route	to:										
□ Verification On		nd Seal		Drinking Water	. [☐ Watersh	ed/Wastewater	⊠ Ren	nediation/F	Redevel	opment			
SB-2	23c			Waste Manage	ement [Other _								
1. Well Location Inform	nation				2. Facility	/ / Owner li	nformation							
	WI Unique We Removed Well		Hicap #		Facility Nam	е								
Milwaukee	NA			NA	Try Chei									
Lattitude / Longitude (Degre		s) [1	 Method Cod	e (see instructi	Facility ID (F	,								
o ' "'				o (000o uo	2410785		4							
0 1 "'\						mit/Monitoring								
		Section	Township	Range X	0 : : ! ! ! !	#02-41-409	441							
or Gov't Lot #		31	7	22	E Original Well	OWIE								
Well Street Address					Present Wel	l Owner								
					City of N	Iilwaukee								
1333 W. Pierce Stree	et		[144 H = H		Mailing Addr	ess of Prese	nt Owner							
Well City, Village or Town			Well ZI		809 N. B									
Milwaukee Subdivision Name			Lot #	3204	City of Prese	ent Owner		S		ZIP Co				
			LOI #	NA	Milwauk				WI	532	02			
NA Reason For Removal From	Service W	I Unique We	 ell # of Repla	cement Well	4. Pump, Liner, Screen, Casing & Sealing Material Pump and piping removed? Yes No									
No Further Use			NA											
	/ell / Drillhole / Borehole Information						Liner(s) removed? Screen removed? Yes No							
Monitoring Well	Monitoring Well Original Construction Date													
		10/14/20	20			ft in place?			Yes		⊠ N/A ⊠ N/A			
Water Well		If a Well C	Construction	Report is		ng cut off bel			Yes	No [X N/A □ N/A			
Drillhole / Borehole	Drillhole / Borehole If a Well Construction Report is available, please attach.						e to surface?		Yes 🖂	No [⊟ N/A			
Construction Type:						Did material settle after 24 hours? If yes, was hole retopped? Ves No I								
Drilled	Driven (S	Sandpoint)		Dug	1	If bentonite chips were used, were they hydrated								
Other (Specify)				_			n safe source	_	Yes	No [N/A			
					Required Me	thod of Placi	ng Sealing Mater	ial						
Formation Type: Unconsolidated Format			Dada da			ictor Pipe-Gr	•	Conducto	or Pipe-Pu	mped				
Unconsolidated Format	ion		Bedrock			ned & Poured	i	U Other (E	xplain)					
Total Well Depth From Grou	ınd Surface (ft)	Casing	Diameter (in	ı.)	(Bento	onite Chips)								
12.0		l I	NA		Sealing Mate									
Lower Drillhole Diameter (in	.)	Casing	Depth (ft.)			Cement Grou			-Sand Slur					
2.3			NA		Concr	Cement (Cor	icrete) Grout		onite-Sand	•				
Was well annular space gro	uted?	Yes 🗵	No [Unknown			Monitoring Wel			5				
If yes, to what depth (feet)?		Depth to Wa			\neg	nite Chips		Bentonite - Cer		t				
NA		NA	, ,			lar Bentonite		Bentonite - Sar		-				
5. Material Used to Fill	Well / Drillh	nole			From (ft.)	To (ft.)		Sacks Seala ne (circle one		Mix R Mud \	atio Neight			
3/8" Bentonite					Surface	12.0								
6. Comments														
7. Supervision of World								DNR	Use Only	/				
Name of Person or Firm Doi	ng Filling & Sea	aling	License	e #	Date of Filling &	Sealing (mn	n/dd/yyyy) Date f	Received	Noted E	Ву				
The Sigma Group, Inc.					10/14/2020									
Street or Route					Telephone Nun		Comn	nents						
1300 W. Canal Street					414-643-4200 P Code Signature of Person Doing Work // A Date Signed									
City Milwaukee			State WI	ZIP Code 53233	oignature of	reison Doin	g Work	Market L	' I	gned /15/202	20			

Well / Drillhole / Borehole Filling & SealingForm 3300-5 (R 4/08) Page 1 c

— \/ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \			Route	to:										
☐ Verification O		and Seal		Drinking Wate	er		☐ Watershe	ed/Wastewater	\boxtimes	Remediati	on/Rede	/elopment		
SB-	24 a			Waste Manag	emer	nt 🗀	Other _							
1. Well Location Info	rmation					2. Facility	Owner Ir	nformation						
County	WI Unique W Removed We		Hicap #			Facility Name								
Milwayless		3 11		NA		Try Chem								
Milwaukee Lattitude / Longitude (Degr	NA rees and Minut	·es)	Method Cod	e (see instruc	tions'	Facility ID (FID	,							
	'N	.03)	victiod ood	c (See instruc	uono	2410/8530		,,						
	'W					License/Permi								
	SE	Section	Township	Range	1	BRRTS #0 Original Well 0		441						
or Gov't Lot #		31	7	22	E W	NA	JWI IEI							
Well Street Address					VV	Present Well (Owner							
Well Street Address						City of Mi	lwaukee							
1333 W. Pierce Stre	eet		[144 H =			Mailing Addres	ss of Preser	nt Owner						
Well City, Village or Town				P Code		809 N. Bro								
Milwaukee Subdivision Name			Lot #	3204		City of Presen	t Owner			State		Code		
			LOI #	NA		Milwauke				WI	53	3202		
NA Reason For Removal Fron	n Service V	VI Unique We	ell # of Repla			4. Pump, Liner, Screen, Casing & Sealing Material								
No Further Use			NA			Pump and piping removed? Yes No								
	Well / Drillhole / Borehole Information						Liner(s) removed?							
Monitoring Well	Monitoring Well Original Construction Date						oved?		L	Yes Yes	No No	⊠ N/A ⊠ N/A		
Water Well		10/14/2020					Cabing lost in place.							
	If a Well Construction Report is								L F	res ⊠ Yes	No No	⊠ N/A □ N/A		
Drillhole / Borehole available, please attach.								e to surface?	<u> </u>	Yes	⊠ No	□ N/A		
Construction Type:						Did material settle after 24 hours? If yes, was hole retopped? Yes No I								
Drilled	Driven	(Sandpoint)	[Dug		If bentonite chips were used, were they hydrated								
Other (Specify)								n safe source		Yes	No	N/A		
Formation Type:						Required Meth	nod of Placi	ng Sealing Mater	ial					
Unconsolidated Forma	ation		Bedrock				tor Pipe-Gra	•		ductor Pipe	•	t t		
						-	ed & Poured	I	U Othe	r (Explain)				
Total Well Depth From Gro	ound Surface (ft) Casing	Diameter (ir	1.)		,	ite Chips)							
4.0			NA			Sealing Materi					<u>.</u>			
Lower Drillhole Diameter (i	in.)	Casing	Depth (ft.)				ment Grout			-		1 lb./gal. wt.)		
2.3			NA			Concret		crete) Grout		Bentonite-9 Bentonite (ту		
Was well annular space gr	routed?	Yes 🗵	No [Unknown				Monitoring Wel			Jiih2			
If yes, to what depth (feet)		Depth to Wa				Bentonit			Bentonite -		Grout			
NA		. NA	,				r Bentonite		Bentonite -					
5. Material Used to F	ill Well / Dril	lhole				From (ft.)	To (ft.)	No. Yards or Volun	, Sacks Se ne (circle d			Ratio d Weight		
3/8" Bentonite						Surface	4.0							
6. Comments														
7. Supervision of Wo										NR Use (
Name of Person or Firm Do		ealing	Licens	e#		•	Sealing (mn	n/dd/yyyy) Date I	Received	Not	ed By	7		
The Sigma Group, Inc	c.				10/14/2020 Telephone Number Comments									
Street or Route						elephone Numb		Comn	nents					
1300 W. Canal Street		State ZIP Code				414-643-4200 ZIP Code Signature of Person Doing Work / A Date Signed								
Milwaukee			WI	53233		Signature of F	CIBOII DOIII	J WOIK / J	Push	Jul Dal	2/10/15 2/10/15			

Well / Drillhole / Borehole Filling & SealingForm 3300-5 (R 4/08) Page 1 c

— \/ :c			Route	to:							
☐ Verification Or		and Seal		Drinking Water	. [☐ Watersh	ed/Wastewater	⊠ Rer	mediation/F	Redevelo	pment
SB-	24b			Waste Manage	ement [Other _					·
1. Well Location Infor	mation			<u> </u>		/ / Owner li	nformation				
County	WI Unique W		Hicap #		Facility Nam						
	Removed We	ell		NA	Try Cher	n					
Milwaukee	NA NA	, .			Facility ID (F	ID or PWS)					
Lattitude / Longitude (Degr		es) [Method Cod	e (see instructi	2410785	30					
0 1 11 1					License/Peri	mit/Monitorino	g #				
	1	Continu	Taumahin	Dange —		#02-41-409	441				
	SE	Section	Township	Range 🖂	E Original Wel	l Owner					
or Gov't Lot #		31	7	22	w NA						
Well Street Address					Present Wel						
1333 W. Pierce Stre	ot.					/filwaukee					
Well City, Village or Town			Well ZI	P Code		ess of Prese	nt Owner				
Milwaukee				3204	809 N. B City of Prese			lc	State	ZIP Cod	<u> </u>
Subdivision Name			Lot #					٦			
NA				NA	Milwauk		en, Casing &	Saaling Mata	WI	5320	2
Reason For Removal From	n Service V	VI Unique We	ell # of Repla								7
No Further Use			NA		1	d piping remo	oved?	\vdash	Yes	No D	=
3. Well / Drillhole / Bo	rehole Infor	mation			Liner(s) re			H	Yes	No D	
Monitoring Well		Original Con	struction Da	te	Screen re			님	Yes	No D	=
		10/14/20	20			ft in place?			Yes		:
Water Well		If a Woll C	Construction	Poport is		ng cut off bel			Yes	No D	=
Drillhole / Borehol	le		please attac			•	se to surface?		Yes	No L	│ N/A
Construction Type:		•				rial settle afte		님	Yes X	No D	│ N/A │ N/A
Drilled	□ Driven	(Sandpoint)	Г	Dug	1	was hole reto			165	INO [7 14/2
	Z Billon	(Canapoint)	L	Dug			used, were they vn safe source		Yes 🗌	No	N/A
Other (Specify)							ng Sealing Mater		103	140	
Formation Type:						uctor Pipe-Gr	-		or Pipe-Pu	mned	
Unconsolidated Forma	ation		Bedrock			ned & Poured	•	Other (E	•	mpou	
Total Well Depth From Gro	ound Surface (f	ft) Casing	Diameter (in	1		onite Chips)	-		жрісіі і ј		
4.0	ouria ouriado (i	· -	,	•)	Sealing Mate						
			NA			Cement Grou	t	Clay	-Sand Slur	ny (11 lh	/aal wt
Lower Drillhole Diameter (i	n.)	Casing	Depth (ft.)			Cement (Cor			tonite-Sand		
2.3			NA		Concr		ioroto, Grout		tonite Chips	•	
Was well annular space gr	outed?	Yes 🗵	No [Unknown			d Monitoring Wel			,	
If yes, to what depth (feet)		Depth to Wa	iter (feet)		\neg	nite Chips		Bentonite - Ce		:	
NA		. NA	. ,			lar Bentonite		Bentonite - Sai			
5. Material Used to Fi	II Well / Drill	lhole			From (ft.)	To (ft.)		, Sacks Seala ne (circle one		Mix Ra Mud W	
			<u> </u>								
3/8" Bentonite					Surface	4.0					
6. Comments											
7. Supervision of Wor			lı ·	"	ID		/		Use Only		
Name of Person or Firm Do		ealing	License	2 #		• •	n/dd/yyyy) Date I	received	Noted E	sy	
The Sigma Group, Inc). 				10/14/2020 Telephone Nun		00	nonto			
					1 '		Comn	EIIIS			
1300 W. Canal Street			State	ZIP Code	414-643-42	200 Person Doin	g Work /	200	Date Si	nnad	
Milwaukee			WI	53233	Oignature 01	I GISOH DOM	y Work / J	Mar Sant	/ I	gnea /15/2020)

Well / Drillhole / Borehole Filling & SealingForm 3300-5 (R 4/08) Page 1 c

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

Route to:

☐ Verification Only of			Drinking Water		☐ Watershe	ed/Wastewater	⊠ Reme	diation/Redevelopment
SB-24c		I —	Waste Managem	nent 🗀	Other _			<u> </u>
1. Well Location Information			<u> </u>	2. Facility	/ Owner Ir	nformation		
County WI Unio	que Well # of	Hicap #		Facility Name				
Remov	ed Well		NA	Try Chem				
Milwaukee NA		<u> </u>		Facility ID (FII	D or PWS)			
Lattitude / Longitude (Degrees and	Minutes)	vietnoa Coa	e (see instruction	^{ns)} 24107853	0			
IN				License/Perm	it/Monitoring	g #		
0 ' "'W	10 "	l 	I.D.	BRRTS #	02-41-409	441		
1/4 / 1/4 NE 1/4 SE	Section	Township	Range X E	Original Well	Owner			
or Gov't Lot #	31	7	22	v NA				
Well Street Address	'	!	-1	Present Well	Owner			
1222 W. Bioroo Stroot				City of M				
1333 W. Pierce Street Well City, Village or Town		Well ZII	P Code	Mailing Addre	ss of Preser	nt Owner		
Milwaukee			3204	809 N. Br			1-	
Subdivision Name		Lot #	5204	City of Preser			Sta	
		Lot #	NA	Milwauke				VI 53202
NA Reason For Removal From Service	WI Unique We	ell # of Repla		4. Pump, L	iner, Scre	en, Casing & S	ealing Materia	
No Further Use		NA		Pump and	piping remo	ved?	<u></u> Y€	
3. Well / Drillhole / Borehole	Information	IVA		Liner(s) rer	moved?		Ŭ Y€	
	Original Con	struction Da	te	Screen ren	noved?		Ŭ Y€	
Monitoring Well	10/14/20			Casing left	in place?		Ye	
Water Well				Was casing	g cut off belo	ow surface?	Ye	es 🗌 No 🔀 N/A
Drillhole / Borehole		Construction please attac		Did sealing	material ris	e to surface?	∑ Y€	es No N/A
	avallable,	piease attac	711.	Did materia	al settle afte	r 24 hours?	Y€	es 💹 No 🔲 N/A
Construction Type:		_		If yes, w	as hole reto	pped?	Y6	es 🗌 No 🔀 N/A
☐ Drilled ☐ ☐ ☐	riven (Sandpoint)	L	Dug	If bentonite	chips were	used, were they h		
Other (Specify)						n safe source	⊠ Ye	es No N/A
Formation Type:						ng Sealing Materia		
Unconsolidated Formation		Bedrock			tor Pipe-Gra	•		Pipe-Pumped
Officorisolidated Formation		Deulock			ed & Poured	i		lain)
Total Well Depth From Ground Sur	face (ft) Casing	Diameter (in	.)	(Bentor	nite Chips)			
4.0	1	NA		Sealing Mater	ials			
Lower Drillhole Diameter (in.)	Casing	Depth (ft.)		Neat Ce	ement Grout	t		and Slurry (11 lb./gal. wt.)
2.3		NA		Sand-C	ement (Con	crete) Grout		nite-Sand Slurry " "
				Concre				nite Chips
Was well annular space grouted?			Unknown	\neg	-	Monitoring Well	-	
If yes, to what depth (feet)?	Depth to Wa	` '			te Chips		Bentonite - Ceme	
NA	NA			☐ Granula	ar Bentonite		Bentonite - Sand	
5. Material Used to Fill Well	/ Drillhole			From (ft.)	To (ft.)		Sacks Sealan e (circle one)	Mix Ratio or Mud Weight
3/8" Bentonite				Surface	4.0			
6. Comments								
7. Supervision of Work							DNR II	se Only
Name of Person or Firm Doing Fillin	g & Sealing	License	e #	Date of Filling &	Sealing (mn	n/dd/yyyy) Date R		Noted By
The Sigma Group, Inc.	_ 0			10/14/2020	٠,	/		'
Street or Route				Telephone Numb	per	Comme	ents	'
1300 W. Canal Street				414-643-420				
City		State	ZIP Code	Signature of F		g Work // 🔏	Mel.	Date Signed
Milwaukee		WI	53233			Mluy	In hunt	10/15/2020

Well / Drillhole / Borehole Filling & SealingForm 3300-5 (R 4/08) Page 1 c

— v ::: :: 0			Route	to:								
☐ Verification O		and Seal		Drinking Wa	ater		☐ Watershe	ed/Wastewater	⊠ F	Remediatio	n/Redev	elopment
SB-	24d			Waste Man	agemer	nt 🗀	Other _					
1. Well Location Info	rmation		•			2. Facility	Owner Ir	nformation				
County	WI Unique W		Hicap #			Facility Name						
) (1 1	Removed We	ell		NA		Try Chem						
Milwaukee Lattitude / Longitude (Deg	NA roos and Minut	toc)	Mothod Cod	de (see instr	uctions	Facility ID (FI	,					
	'N	les)	ivieti lod Cot	ie (see iristi	uctions	2410/8530						
	'W					License/Permi						
	SE	Section	Township	Range N		BRRTS #0		441				
or Gov't Lot #	JE .	31	7	22	E	Original Well (Jwner					
					w	NA Present Well 0	Owner					
Well Street Address						City of Mi						
1333 W. Pierce Stre	eet					Mailing Addres		nt Owner				
Well City, Village or Town			Well Z	IP Code		809 N. Bro						
Milwaukee				3204		City of Presen	t Owner			State	ZIP (Code
Subdivision Name			Lot #			Milwauke	e			WI	53	3202
NA Reason For Removal From	n Comitos IV	WI Unique We	II # of Donl	NA	.II	4. Pump, Li	iner, Scre	en, Casing &	Sealing Ma	iterial		
	ii Service v	WI Offique We		acement we	: 111	Pump and	piping remo	ved?		Yes [No	N/A
No Further Use 3. Well / Drillhole / Bo	orehole Info	rmation	NA			Liner(s) ren	noved?			Yes [No	⊠ N/A
	orenole illioi	Original Cor	struction Da	ate		Screen rem	noved?			Yes	No	⊠ N/A
Monitoring Well		10/14/20				Casing left	in place?			_ Yes _	No	N/A
Water Well						Was casing	g cut off belo	ow surface?		Yes	No	⊠ N/A
Drillhole / Boreho	le		Construction please atta			Did sealing	material ris	e to surface?	≥	Yes L	∐ No	N/A
Construction Type:							al settle afte		Ļ	∐ Yes [∑	∐ No	∐ N/A
Construction Type: Drilled	□ Driven	(Sandpoint)		Dug			as hole reto		L	_ Yes _	No	⊠ N/A
	□ Diliveii	(Sariupoliti)	l	Dug			•	used, were they	hydrated	Yes	No	N/A
Other (Specify)					_			n safe source ng Sealing Mater		7 ies [IN/A
Formation Type:		_					tor Pipe-Gra	-		uctor Pipe	-Pumper	1
Unconsolidated Forma	ation		Bedrock				ed & Poured	•		(Explain)	· upot	•
Total Well Depth From Gro	ound Surface (ft) Casing	Diameter (i	n.)		-	ite Chips)			(1 /		
4.0	,	,	NA .	,		Sealing Mater	ials					
Lower Drillhole Diameter (in)		Depth (ft.)				ement Grout	t	□ c	lay-Sand S	3lurry (1	1 lb./gal. wt.)
•	,					Sand-C	ement (Con	crete) Grout	□в	entonite-S	and Slur	ry "
2.3			NA			Concret			⊠в	entonite C	hips	
Was well annular space gr	routed?	Yes 🗵	No L	Unknow	n	For Monitoring	g Wells and	Monitoring Wel	l Boreholes (Only:		
If yes, to what depth (feet))?	Depth to Wa	ater (feet)			Bentoni	te Chips		Bentonite -	Cement G	out	
NA		NA NA	١			Granula	r Bentonite		Bentonite -			
5. Material Used to F	ill Well / Dril	lhole				From (ft.)	To (ft.)	No. Yards or Volun	, Sacks Se ne (circle o			Ratio Weight
2/01/D							4.0					
3/8" Bentonite						Surface	4.0					
6. Comments												
	_											
7. Supervision of Wo		'a alina	h:	- 4		ata of E335 0 (Coolin /	0/dd/\0.00\D-1		Note		
Name of Person or Firm De		eaiiig	Licens	e∈ #	Da	•	sealing (mn	n/dd/yyyy) Date I	received	Note	ed By	
The Sigma Group, Inc	c.				T	10/14/2020 elephone Numb	ner	Comn	nents			
1300 W. Canal Street						414-643-420		Comm	ioi ito			
City			State	ZIP Code		Signature of P		a Work // /	10	, Date	Signed	
Milwaukee			WI	53233			2011	I I luu	W. An	" X	10/15/2	

Well / Drillhole / Borehole Filling & SealingForm 3300-5 (R 4/08) Page 1 c

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

Route to:

☐ Verification Only of Fi	ll and Seal		Orinking Water		☐ Watershe	ed/Wastewater	⊠ Reme	diation/Redevelopment
SB-26a		I —	Vaste Managem	nent 🗀	Other _			<u> </u>
1. Well Location Information			<u> </u>	2. Facility	/ Owner Ir	nformation		
County WI Unique	e Well # of	Hicap #		Facility Name				
Removed	Well		NA	Try Chem	1			
Milwaukee NA		4 11 10 1	,	Facility ID (FII	D or PWS)			
Lattitude / Longitude (Degrees and M	nutes) in	vietnoa Coae	e (see instruction	24107853	0			
IN				License/Perm	it/Monitoring	j #		
° ' "'W	10 "	-	l n	BRRTS #	02-41-409	441		
1/4 / 1/4 NE 1/4 SE	Section	Township	Range X E	Original Well	Owner			
or Gov't Lot #	31	7	22					
Well Street Address	'		'	Present Well	Owner			
1222 W. Diorgo Stroot				City of M				
1333 W. Pierce Street Well City, Village or Town		Well ZIF	P Code	Mailing Addre	ss of Preser	nt Owner		
Milwaukee			3204	809 N. Br			1-	
Subdivision Name		Lot #	5204	City of Preser			Sta	
		Lot #	NA	Milwauke				VI 53202
NA Reason For Removal From Service	WI Unique We	II # of Repla		4. Pump, L	iner, Scre	en, Casing & S	ealing Materia	
No Further Use		NA		Pump and	piping remo	ved?	<u></u> Y€	
3. Well / Drillhole / Borehole In	formation	INA		Liner(s) rer	moved?		Ŭ Y€	
	Original Con	struction Dat	te	Screen ren	noved?		Ŭ Y€	
Monitoring Well	10/14/20			Casing left	in place?		Ye	
Water Well				Was casing	g cut off belo	ow surface?	Ye	es 🗌 No 🔯 N/A
Drillhole / Borehole		construction please attac		Did sealing	material ris	e to surface?	∑ Y€	es No N/A
	available,	picase attac	11.	Did materia	al settle afte	r 24 hours?	Ŭ Y€	es No No N/A
Construction Type:		_	_	If yes, w	as hole reto	pped?	Y6	es 🗌 No 🔀 N/A
☐ Drilled ☐ Driv	ren (Sandpoint)	L	Dug	If bentonite	chips were	used, were they h		
Other (Specify)						n safe source	⊠ Ye	es No N/A
Formation Type:						ng Sealing Materia		
Unconsolidated Formation		Bedrock			tor Pipe-Gra	•		Pipe-Pumped
Uniconsolidated Formation		Deurock			ed & Poured	I	U Other (Exp	lain)
Total Well Depth From Ground Surface	e (ft) Casing I	Diameter (in	.)	(Bentor	nite Chips)			
3.0	1	NΑ		Sealing Mater	ials			
Lower Drillhole Diameter (in.)	Casing I	Depth (ft.)		☐ ☐ Neat Ce	ement Grout	t		and Slurry (11 lb./gal. wt.)
2.3		NA		Sand-C	ement (Con	crete) Grout		nite-Sand Slurry " "
			1	Concre				nite Chips
Was well annular space grouted?			Unknown		-	Monitoring Well	=	
If yes, to what depth (feet)?	Depth to Wa	, ,			ite Chips		Bentonite - Ceme	
NA	NA			☐ Granula	ar Bentonite		Bentonite - Sand	
5. Material Used to Fill Well / D	rillhole			From (ft.)	To (ft.)		Sacks Sealan e (circle one)	Mix Ratio or Mud Weight
3/8" Bentonite				Surface	3.0			
6. Comments								
7. Supervision of Work							DNR II	se Only
Name of Person or Firm Doing Filling	& Sealing	License	#	Date of Filling &	Sealing (mn	n/dd/yyyy) Date R		Noted By
The Sigma Group, Inc.	5			10/14/2020	5 (,,,,,		'
Street or Route				Telephone Numb	per	Comme	ents	1
1300 W. Canal Street				414-643-420				
City		State	ZIP Code	Signature of F		g Work // _a	No.1.	Date Signed
Milwaukee		WI	53233	_	,	l Eliny	Whent	10/15/2020

Well / Drillhole / Borehole Filling & SealingForm 3300-5 (R 4/08) Page 1 c

— \/ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \			Route	to:								
☐ Verification Only		nd Seal		Drinking Water	r] Watershe	ed/Wastewater	\boxtimes	Remediation	on/Redev	/elopment
SB-2	lob			Waste Manage	ement	t \Box	Other _					
1. Well Location Inform	ation					2. Facility /	Owner Ir	nformation				
	VI Unique Well Removed Well	l#of	Hicap #			Facility Name						
Milwaukee	NA			NA		Try Chem						
Lattitude / Longitude (Degree		3 1	Method Cod	e (see instruct	ions)	Facility ID (FID	,					
° ' "'N				o (000 iiioii uoi	1	241078530		#				
° ' "'V						License/Permi	-					
1/4 / 1/4 NE 1/4 SI	- 1-	ection	Township	Range X	_	BRRTS #0 Original Well C		441				
or Gov't Lot #	_	31	7	22	E (NA	JWI ICI					
Well Street Address					E	Present Well C	Owner					
						City of Mi	lwaukee					
1333 W. Pierce Street			1.A./ 11.711	DO 1		Mailing Addres	s of Preser	nt Owner				
Well City, Village or Town			Well ZI			809 N. Bro						
Milwaukee Subdivision Name			Lot #	3204	(City of Present	t Owner			State		Code
			LOC#	NA	Ļ	Milwaukee				WI	53	3202
NA Reason For Removal From S	Service WI	Unique We	ll # of Repla	cement Well	_	4. Pump, Li	ner, Scre	en, Casing &	Sealing Ma			
No Further Use			NA			Pump and p	oiping remo	ved?	Ĺ	_ Yes [No	M/A N/A
3. Well / Drillhole / Bore	hole Inform	nation				Liner(s) rem			Ļ	_ Yes [No No	N/A N/A
Monitoring Well	C	riginal Con	struction Da	te		Screen rem			L	_ Yes [Yes [No No	⊠ N/A ⊠ N/A
		10/14/20	20			Casing left i	•			Yes	=	=
Water Well		If a Well C	Construction	Report is		Was casing			L	res [☑ Yes [No No	N/A N/A N/A
Drillhole / Borehole			please attac			Did sealing Did materia		e to surface?		Yes	No No	□ N/A
Construction Type:							as hole reto		Ī	Yes	No	N/A
Drilled	Driven (S	andpoint)		Dug		=		used, were they	hvdrated		_	
Other (Specify)							•	n safe source		Yes [No	N/A
					—- <u>[</u>	Required Meth	od of Placii	ng Sealing Mater	ial			
Formation Type: Unconsolidated Formatic	_		Dadaa da				tor Pipe-Gra	•	Cond	luctor Pipe	-Pumped	t l
Unconsolidated Formation	on		Bedrock				ed & Poured	I	U Other	r (Explain)		
Total Well Depth From Grour	nd Surface (ft)	Casing I	Diameter (in	ı.)	-	(Bentoni	ite Chips)					
3.0		1	NA			Sealing Materi						
Lower Drillhole Diameter (in.))	Casing I	Depth (ft.)				ment Grout			-		1 lb./gal. wt.)
2.3			NA			Concrete		crete) Grout		Bentonite-S Bentonite C		ry " "
Was well annular space grou	ted?	Yes 🗵	No [Unknown				Monitoring Wel			лііръ	
If yes, to what depth (feet)?		epth to Wa				Bentonit			Bentonite -		rout	
NA		NA	. ,				r Bentonite		Bentonite -			
5. Material Used to Fill	Well / Drillh	ole				From (ft.)	To (ft.)	No. Yards or Volum	, Sacks Se ne (circle o			Ratio d Weight
3/8" Bentonite						Surface	3.0					
										+		
6. Comments												
7. Supervision of Work									DI	NR Use C	Only	
Name of Person or Firm Doin	g Filling & Sea	lling	License	e #	Dat	te of Filling & S	Sealing (mm	n/dd/yyyy) Date f	Received	Note	ed By	
The Sigma Group, Inc.						10/14/2020						
Street or Route						ephone Numb		Comn	nents			
1300 W. Canal Street			04 1	710.0		414-643-420		- \A(1 \)		In :	- 0:	
City Milwaukee			State WI	ZIP Code 53233		Signature of P	erson Doin	g Work	11:1	/ Date	e Signed 10/15/2	

Well / Drillhole / Borehole Filling & SealingForm 3300-5 (R 4/08) Page 1 c

	nly of Fill a	nd Seal	Route				_		<u> </u>			
SB-2		ina ooai	\perp	Drinking Wa			_	ed/Wastewater	⊠ Rer	nediation	/Redev	/elopment
				Waste Mana	agemer		Other _					
1. Well Location Infor	mation WI Unique We	all # of	Hicap #			2. Facility /	Owner Ir	ntormation				
County	Removed We		I licap #			Try Chem						
Milwaukee	NA			NA		Facility ID (FI						
Lattitude / Longitude (Degre	ees and Minute	es) l	Method Cod	le (see instru	uctions)		,					
0 1 11 1	N					License/Permi		j #				
0 1 " 1	· · · · · · · · · · · · · · · · · · ·		1	1_		BRRTS #0	02-41-409	441				
1/4 / 1/4 NE 1/4 S	SE S	Section	Township	Range	ΞE	Original Well (Owner					
or Gov't Lot #		31	7	22	_ w	NA						
Well Street Address			•			Present Well (
1333 W. Pierce Stree	et					City of Mi Mailing Addres		at Ouman				
Well City, Village or Town			Well Z	P Code		_		it Owner				
Milwaukee			5	3204		809 N. Bro City of Presen			S	State	ZIP (Code
Subdivision Name			Lot #			Milwauke				WI		3202
NA				NA				en, Casing &	Sealing Mate		55	.202
Reason For Removal From	Service W	/I Unique We		acement We	ell		piping remo			Yes	No	⊠ N/A
No Further Use		41	NA			Liner(s) ren				Yes _	No	⊠ N/A
3. Well / Drillhole / Bo	renoie intori	mation Original Con	struction D:	ate		Screen rem				Yes _	No	N/A
Monitoring Well		10/14/20		110		Casing left	in place?			Yes	No	⊠ N/A
Water Well						Was casing	cut off belo	ow surface?		Yes	No	N/A
Drillhole / Borehole	е		Construction please atta			Did sealing	material ris	e to surface?	\boxtimes	Yes	No	N/A
		avallable,	piodoo dila	011.		Did materia	l settle afte	r 24 hours?		Yes 🔀	No	∐ N/A
Construction Type: Drilled	Drivon (Candpaint)	1	Dug		I -	as hole reto			Yes	No	⊠ N/A
	☐ Dilveil (Sandpoint)	I	Dug				used, were they	, –	Yes	No	□ N/A
Other (Specify)					_			n safe source ng Sealing Mate		res	INO	IN/A
Formation Type:		_					tor Pipe-Gra			or Pipe-F	umped	1
Unconsolidated Forma	tion		Bedrock				ed & Poured	•	Other (E	•	шрос	•
Total Well Depth From Gro	und Surface (ft) Casing	Diameter (ii	า.)		(Benton	ite Chips)		,	. ,		
3.0		`	NA			Sealing Mater	ials					
Lower Drillhole Diameter (ir	n.)		Depth (ft.)			- T	ement Grout	t	Clay	-Sand Sl	urry (1	1 lb./gal. wt.
2.3	,		NA /			Sand-C	ement (Con	crete) Grout	Ben	tonite-Sa	nd Slur	ry " "
						Concret				tonite Chi	ps	
Was well annular space gro			No [Unknowr	1			Monitoring We				
If yes, to what depth (feet)?	?	Depth to Wa					te Chips		Bentonite - Ce		ut	
NA		NA				☐ Granula	r Bentonite	N- Vd-	Bentonite - Sa		NAine	Datia
5. Material Used to Fil	II Well / Drill	hole				From (ft.)	To (ft.)		, Sacks Seala ne (circle one			Ratio Weight
3/8" Bentonite						Surface	3.0					
3/8 Bentonne						Surface	3.0					
6. Comments												
7. Supervision of Wor	'k								DNR	Use On	lv	
Name of Person or Firm Do		ealing	Licens	e #	Da	ate of Filling &	Sealing (mn	n/dd/yyyy) Date		Noted		
The Sigma Group, Inc						10/14/2020						
Street or Route					Te	elephone Numb	er	Comr	nents			
1300 W. Canal Street			I		_	414-643-420				I=		
City			State WI	ZIP Code		Signature of P	erson Doing	g Work	not s	/	Signed 0/15/2	
Milwaukee			ı wı	1 33/33		1		A PINMI	11 Maluf	1 1	บบาว/2	uzu

Well / Drillhole / Borehole Filling & SealingForm 3300-5 (R 4/08) Page 1 c

Page 1 of 2

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Route to:

☐ Verification Only of F			Drinking Water		☐ Watershe	ed/Wastewater	⊠ Reme	diation/Redevelopment
SB-26d		I —	Waste Managem	nent 🗀	Other _			<u> </u>
1. Well Location Information			<u> </u>	2. Facility	/ Owner Ir	nformation		
County WI Uniq	ue Well # of	Hicap #		Facility Name				
Remove	d Well		NA	Try Chem				
Milwaukee NA		<u> </u>		Facility ID (FII	D or PWS)			
Lattitude / Longitude (Degrees and I	viinutes) [Method Cod	e (see instruction	^{ns)} 24107853	0			
IN				License/Perm	it/Monitoring	g #		
° ' "'W	10 "	I 	l n	BRRTS #	02-41-409	441		
1/4 / 1/4 NE 1/4 SE	Section	Township	Range X E	Original Well	Owner			
or Gov't Lot#	31	7	22 🔲 v	v NA				
Well Street Address	'	!		Present Well	Owner			
1222 W. Diorgo Street				City of M				
1333 W. Pierce Street Well City, Village or Town		Well 7I	P Code	Mailing Addre	ss of Preser	nt Owner		
Milwaukee			3204	809 N. Br			1-	
Subdivision Name		Lot #	3204	City of Preser			Sta	
		Lot #	NA	Milwauke				VI 53202
NA Reason For Removal From Service	WI Unique We	ell # of Repla		4. Pump, L	iner, Scre	en, Casing & S	ealing Materia	
No Further Use	iii oiiiqas iiis	NA		Pump and	piping remo	ved?	<u></u> Y€	
3. Well / Drillhole / Borehole	Information	INA		Liner(s) rer	moved?		Ŭ Y€	
	Original Con	struction Da	ate	Screen ren	noved?		Ŭ Y€	
Monitoring Well	10/14/20			Casing left	in place?		Ye	
Water Well				Was casing	g cut off belo	ow surface?	Ye	es 🔲 No 🔯 N/A
Drillhole / Borehole		Construction please attac		Did sealing	material ris	e to surface?	∑ Y€	es No N/A
	available,	picase attac	JII.	Did materia	al settle afte	r 24 hours?	Ŭ Y€	es No No N/A
Construction Type:		-	_	If yes, w	as hole reto	pped?	Y6	es 🗌 No 🔀 N/A
☐ Drilled ☐ Di	riven (Sandpoint)	L	Dug	If bentonite	chips were	used, were they h		
Other (Specify)						n safe source	⊠ Ye	es No N/A
Formation Type:						ng Sealing Materia		
Unconsolidated Formation		Bedrock			tor Pipe-Gra	•		Pipe-Pumped
Officerisolidated Formation		Deurock			ed & Poured	i		lain)
Total Well Depth From Ground Surfa	ace (ft) Casing	Diameter (ir	n.)	(Bentor	nite Chips)			
3.0	r	NA		Sealing Mater	ials			
Lower Drillhole Diameter (in.)	Casing	Depth (ft.)		Neat Ce	ement Grout	t	☐ Clay-S	and Slurry (11 lb./gal. wt.)
2.3		NA		Sand-C	ement (Con	crete) Grout		nite-Sand Slurry " "
			¬	Concre				nite Chips
Was well annular space grouted?	Yes 🗵		Unknown	\neg	-	Monitoring Well	-	
If yes, to what depth (feet)?	Depth to Wa	, ,			te Chips		Bentonite - Ceme	
NA	NA	<u> </u>		☐ Granula	ar Bentonite		Bentonite - Sand	
5. Material Used to Fill Well /	Drillhole			From (ft.)	To (ft.)		Sacks Sealan e (circle one)	Mix Ratio or Mud Weight
3/8" Bentonite				Surface	3.0			
6. Comments								
7. Supervision of Work							DNR II	se Only
Name of Person or Firm Doing Filling	g & Sealing	Licens	e#	Date of Filling &	Sealing (mn	n/dd/yyyy) Date R		Noted By
The Sigma Group, Inc.	. 5			10/14/2020	5 (,,,,,		'
Street or Route				Telephone Numb	per	Comme	ents	1
1300 W. Canal Street				414-643-420				
City		State	ZIP Code	Signature of F		g Work // _A	Nol:	Date Signed
Milwaukee		WI	53233	_	,	l Eliny	Whent	10/15/2020

Well / Drillhole / Borehole Filling & SealingForm 3300-5 (R 4/08) Page 1 c

— \/			Route	to:								
☐ Verification Or		and Seal		Drinking Wat	er		☐ Watershe	ed/Wastewater	\boxtimes	Remediation	on/Rede	/elopment
SB-	26e			Waste Mana	gemer	nt 🗀	Other _					
1. Well Location Infor	mation					2. Facility	Owner Ir	nformation				
County	WI Unique We		Hicap #			Facility Name						
Milwaukee	NA	:11		NA		Try Chem						
Lattitude / Longitude (Degr		es)	Method Cod	e (see instru	ctions	Facility ID (FID	,					
o ' "''				. (000	, , , , ,	2410/8530		#				
0 1 11 1						License/Permi						
		Section	Township	Range	1_	BRRTS #0 Original Well 0		441				
or Gov't Lot #		31	7	22] E] w	NA	JWI ICI					
Well Street Address					VV	Present Well (Owner					
						City of Mi	lwaukee					
1333 W. Pierce Stre	et		14/-11 71	D.O1-		Mailing Addres	ss of Preser	nt Owner				
Well City, Village or Town				P Code		809 N. Bro						
Milwaukee Subdivision Name			Lot #	3204		City of Presen				State		Code
NA			2017	NA		Milwauke		0! 0	O II M-	WI	53	3202
Reason For Removal From	n Service W	VI Unique We	ell # of Repla	acement Well				en, Casing &	Sealing Ma		٦.,	N
No Further Use			NA			Pump and p		ved?	Ļ	Yes [Yes [No No	⊠ N/A ⊠ N/A
3. Well / Drillhole / Bo	rehole Infor	mation				Liner(s) ren Screen rem			F	res [No	N/A
Monitoring Well		Original Con		ate		Casing left			F	Yes	⊣ No	N/A
Water Well		10/14/20	20				•	ow surface?		Yes	No	N/A
	la.		Construction			_		e to surface?		Yes	⊣ No	□ N/A
Drillhole / Borehol	le	available,	please atta	ch.		Did materia			Ī	Yes	No.	N/A
Construction Type:	_		_	_		If yes, wa	as hole reto	pped?		Yes [No	N/A
Drilled	Driven ((Sandpoint)		Dug		If bentonite	chips were	used, were they			_	
Other (Specify)								/n safe source		Yes [No	N/A
Formation Type:								ng Sealing Mater			_	
Unconsolidated Forma	ation		Bedrock				tor Pipe-Gra	•		luctor Pipe		d
		t) Casina		. \		-	ed & Poured ite Chips)	1	☐ Otne	r (Explain)		
Total Well Depth From Gro	ourid Suriace (i	.	Diameter (ir	1.)		,	. ,					
		_	NA			Sealing Materi	ais ment Grout		\Box	Nav-Sand	Slurny (1	1 lb./gal. wt.)
Lower Drillhole Diameter (i	n.)	Casing	Depth (ft.)					crete) Grout		Bentonite-S		
2.3			NA			Concret		,		Bentonite C		.,
Was well annular space gr	outed?	☐ Yes 🗵	No [Unknown		For Monitoring	g Wells and	Monitoring Wel	l Boreholes	Only:	•	
If yes, to what depth (feet)	?	Depth to Wa	iter (feet)			Bentonii	te Chips		Bentonite -	Cement G	rout	
NA		NA	L			☐ Granula	r Bentonite		Bentonite -			
5. Material Used to Fi	II Well / Drill	hole				From (ft.)	To (ft.)	No. Yards or Volun	, Sacks Se ne (circle c			Ratio d Weight
3/8" Bentonite						Cymfee	<i>5</i> 0					
3/8 Bentonite						Surface	5.0					
6. Comments										•		
7. Supervision of Wo	rk								Di	NR Use C	Only	
Name of Person or Firm Do		ealing	Licens	e #	Da	ate of Filling & S	Sealing (mn	n/dd/yyyy) Date f			ed By	
The Sigma Group, Inc		-				10/14/2020	- '				-	
Street or Route					Te	elephone Numb	er	Comn	nents	'		
1300 W. Canal Street						414-643-420						
City			State	ZIP Code		Signature of P	erson Doing		nº 1	Date	e Signed	
Milwaukee			WI	53233		1		I VIMII.	"IWM	Jul	10/15/2	020

Well / Drillhole / Borehole Filling & SealingForm 3300-5 (R 4/08) Page 1 c

□ Verificatio	on Only of Fill	and Seal	Route	e to:					_						
	B-26f	and ocai		Drinki	•				_	ed/Wastew	vater	⊠ Reme	diation/F	Redev	elopment
				Waste	e Man	nager			Other _					_	
1. Well Location	MI Unique W	Vell # of	Hicap #					2. Facility / Facility Name	Owner Ir	iformatio	on				
County	Removed We		I lloup #		NA			Try Chem							
Milwaukee	NA							Facility ID (FID							
Lattitude / Longitud	e (Degrees and Minu	tes)	Method Co	de (see	e instr	ructio	ons)	241078530	0						
0 1	" ' N							License/Permi	_						
1/4 / 1/4 NE	" ' W 1⁄4 SE	Section	Township	Ra	ange r			BRRTS #0		141					
or Gov't Lot #	/* 3E	31	7		22 r		-	Original Well O	Owner						
Well Street Address					L		W	Present Well 0	Owner						
1333 W. Pierc	e Street							City of Mi							
Well City, Village or			Well Z	IP Cod	de			Mailing Addres		nt Owner					
Milwaukee				53204				809 N. Bro City of Presen				Sta	te	ZIP (ode.
Subdivision Name			Lot #					Milwauke					VI		202
NA				NA				4. Pump, Li		en, Casi	ng & Sealin			33	202
Reason For Remov		WI Unique W	•	aceme	ent We	ell	Î	Pump and i	piping remo	ved?		Ye	es 🗌	No	⊠ N/A
No Further Use	le / Borehole Info	rmation	NA					Liner(s) ren				Ye	es 🗌	No	⊠ N/A
			nstruction D	ate				Screen rem	noved?			Ye	=	No	⊠ N/A
Monitoring	vveli	10/14/20	020					Casing left	in place?			Ye	es 📗	No	N/A
Water Wel	II	If a Mall	Construction	. Dono	ort io			_	cut off belo			∐ Ye	=	No	N/A
Drillhole / I	Borehole		Constructior , please atta) I I IS				material ris			∑ Ye		No No	N/A N/A
Construction Type:									il settle after as hole reto		?	☐ Ye		No	⊠ N/A
Drilled	Driven	(Sandpoint)		D	Oug			·-			e they hydrat	ed			
Other (Specify)								from a know			∑ Y€	es 🗌	No	N/A
Formation Type:	·					_		Required Meth	nod of Placii	ng Sealing	Material				
Unconsolidated	d Formation		Bedrock						tor Pipe-Gra ed & Poured	•		Conductor Other (Exp		mped	
Total Well Depth Fr	rom Ground Surface ((ft) Casing	Diameter (i	n.)				(Benton Sealing Materi	ite Chips)						
Lower Drillhole Diar	motor (in)	Casina	NA Depth (ft.)						ement Grout		[Clav-S	and Slui	rrv (11	l lb./gal. wt.)
2.3	neter (iii.)	Casing						Sand-Co	ement (Con	crete) Gro	out [_ `	nite-San	• •	
	Г		NA F					Concret	е		[Bentor	nite Chip	S	
Was well annular sp		_	No [Un	nknow	/n		For Monitoring		Monitorin					
If yes, to what depti	h (feet)?	Depth to W	` '					Bentoni	•			nite - Ceme		t	
NA		N/	1						r Bentonite	No. V	/ards, Sack	nite - Sand		Miv	Ratio
5. Material Use	d to Fill Well / Dril	llhole						From (ft.)	To (ft.)		olume (cir				Weight
3/8" Bentonite								Surface	4.0						
								Surrace							
6. Comments															
0															
	51M 1											DND II	•		
7. Supervision	of Work Firm Doing Filling & S	Sealing	Licens	se #			Da	te of Filling & \$	Sealing (mm	/dd/\\\\\	Date Receive	DNR U	Se Onl		
The Sigma Gro	0 0	- Julii Ig	Licers				1	10/14/2020	- Janing (11111	.,, y y y y)	Salo ridoeive		, 10160 1	- 3	
Street or Route	-F, me.						_	lephone Numb	er		Comments				
1300 W. Canal	Street							414-643-420	0						
City			State	- 1	Code			Signature of P	erson Doing	Work //	A. I	7-11	Date Si	•	
Milwaukee			WI	5	53233	3				11	Mul.	Wheat	10	/15/20	020

Well / Drillhole / Borehole Filling & SealingForm 3300-5 (R 4/08) Page 1 c

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

Route to:

☐ Verification Only of Fil	l and Seal		Orinking Water		☐ Watersh	ed/Wastewater	⊠ Reme	diation/Redevelopment
SB-26g		I —	Vaste Managem	nent	Other _			
1. Well Location Information			<u> </u>	2. Facility	/ Owner Ir	nformation		
County WI Unique		Hicap #		Facility Name				
Removed	Well		NA	Try Chem	1			
Milwaukee NA				Facility ID (FII				
Lattitude / Longitude (Degrees and Min	nutes) N	Method Code	e (see instruction	ns) 24107853	0			
° ' ' ' N				License/Perm		g #		
° ' ' W				BRRTS #	02-41-409	441		
1/4 / 1/4 NE 1/4 SE	Section	Township	Range X	0				
or Gov't Lot #	31	7	22 v	-				
Well Street Address			v	Present Well	Owner			
Well Street Address				City of Mi	ilwankee			
1333 W. Pierce Street				Mailing Addre		nt Owner		
Well City, Village or Town		Well ZIF	P Code	809 N. Br	oadway			
Milwaukee		53	3204	City of Presen			Sta	te ZIP Code
Subdivision Name		Lot #		Milwauke				WI 53202
NA			NA			en, Casing & S		
Reason For Removal From Service	WI Unique We	ll # of Repla	cement Well				☐ Ye	
No Further Use		NA			piping remo	vea?	=	es No N/A S N/A
3. Well / Drillhole / Borehole In	formation			Liner(s) rer			☐ Ye	= =
Monitoring Well	Original Con	struction Da	te	Screen ren			☐ Ye	= =
	10/14/20	20		Casing left	in place?			
Water Well	If - \A/- II C	\	D	Was casino	g cut off belo	ow surface?	∐ Y€	
Drillhole / Borehole		Construction please attac		Did sealing	material ris	e to surface?	∑ Ye	
		<u></u>		Did materia	al settle afte	r 24 hours?		es No N/A
Construction Type:	(0 1)	_	7.5	If yes, w	as hole reto	pped?	Y€	es No N/A
☐ Drilled ☐ Drive	en (Sandpoint)	L	Dug	If bentonite	chips were	used, were they h		
Other (Specify)						n safe source	∑ Ye	es No N/A
Formation Type:						ng Sealing Materia		
Unconsolidated Formation		Bedrock			tor Pipe-Gra	•		Pipe-Pumped
Uniconsolidated Formation		Deurock		Screene	ed & Poured	i		lain)
Total Well Depth From Ground Surface	e (ft) Casing I	Diameter (in	.)	(Bentor	nite Chips)			
4.0	1	NA		Sealing Mater	rials		_	
Lower Drillhole Diameter (in.)	Casing I	Depth (ft.)		Neat Ce	ement Grou	t	☐ Clay-S	and Slurry (11 lb./gal. wt.)
2.3				Sand-C	ement (Con	crete) Grout	Bentor	nite-Sand Slurry " "
		NA	1	─ ☐ Concret	te		Bentor	nite Chips
Was well annular space grouted?	Yes 🗵	No L	Unknown	For Monitorin	g Wells and	Monitoring Well	Boreholes Only:	
If yes, to what depth (feet)?	Depth to Wa	ter (feet)		Bentoni	ite Chips		Bentonite - Ceme	ent Grout
NA	NA			Granula	ar Bentonite		Bentonite - Sand	Slurry
5. Material Used to Fill Well / D	rillholo			From (ft.)	To (ft.)		Sacks Sealan	
o. Material Osea to 1 iii Weil 7 B				T TOIL (IC.)	10 (11.)	or Volume	e (circle one)	or Mud Weight
3/8" Bentonite				Surface	4.0			
6. Comments								
7. Supervision of Work							DNR U	se Only
Name of Person or Firm Doing Filling 8	Sealing	License	#	Date of Filling &	Sealing (mn	n/dd/yyyy) Date R	eceived	Noted By
The Sigma Group, Inc.				10/14/2020				
Street or Route				Telephone Numb	per	Comme	ents	
1300 W. Canal Street				414-643-420	00			
City		State	ZIP Code	Signature of F	Person Doin	g Work / A	nel 1	Date Signed
Milwaukee		WI	53233			Mluy	1 Sout	10/15/2020

ATTACHMENT 5 SOIL LABORATORY ANALYTICAL REPORTS



Environment Testing America

ANALYTICAL REPORT

Eurofins Calscience Irvine 17461 Derian Ave Suite 100 Irvine, CA 92614-5817

Tel: (949)261-1022

Laboratory Job ID: 440-273372-1

Laboratory Sample Delivery Group: Try-Chem

Client Project/Site: 11516

For:

Sigma Group Inc., The 1300 West Canal Street Milwaukee, Wisconsin 53233

Attn: Steven Kikkert

Authorized for release by: 10/21/2020 12:16:18 PM

Danielle Roberts, Senior Project Manager

(949)260-3249

Danielle.Roberts@Eurofinset.com

.....LINKS

Review your project results through

Total Access

Have a Question?



Visit us at:

www.eurofinsus.com/Env

The test results in this report meet all 2003 NELAC, 2009 TNI, and 2016 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

Client: Sigma Group Inc., The Project/Site: 11516

Laboratory Job ID: 440-273372-1 SDG: Try-Chem

Table of Contents

Cover Page	1
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Lab Chronicle	12
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QC Association Summary	18
Definitions/Glossary	20
Certification Summary	21
Chain of Custody	22
Receipt Checklists	24

6

8

9

11

12

1.

Sample Summary

Client: Sigma Group Inc., The

Project/Site: 11516

Job ID: 440-273372-1

SDG: Try-Chem

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
440-273372-1	SB-19 (2-4)	Solid	10/14/20 08:38	10/16/20 09:45
440-273372-2	SB-19 (8-10)	Solid	10/14/20 08:45	10/16/20 09:45
440-273372-3	SB-20 (2-4)	Solid	10/14/20 08:52	10/16/20 09:45
440-273372-4	SB-20 (10-12)	Solid	10/14/20 09:04	10/16/20 09:45
440-273372-5	SB-21c (2-4)	Solid	10/14/20 09:11	10/16/20 09:45
440-273372-6	SB-21c (6-8)	Solid	10/14/20 10:18	10/16/20 09:45
440-273372-7	SB-22 (2-4)	Solid	10/14/20 10:31	10/16/20 09:45
440-273372-8	SB-22 (6-8)	Solid	10/14/20 10:33	10/16/20 09:45
140-273372-9	SB-23c (2-4)	Solid	10/14/20 10:43	10/16/20 09:45
440-273372-10	SB-23c (6-8)	Solid	10/14/20 11:01	10/16/20 09:45
440-273372-11	SB-24d (2-4)	Solid	10/14/20 11:29	10/16/20 09:45
440-273372-12	SB-25 (2-4)	Solid	10/14/20 11:34	10/16/20 09:45
440-273372-13	SB-25 (6-8)	Solid	10/14/20 11:38	10/16/20 09:45
440-273372-14	SB-26e (2-4)	Solid	10/14/20 12:36	10/16/20 09:45
440-273372-15	SB-27 (2-4)	Solid	10/14/20 13:08	10/16/20 09:45
440-273372-16	SB-27 (6-8)	Solid	10/14/20 13:11	10/16/20 09:45

Case Narrative

Client: Sigma Group Inc., The

Job ID: 440-273372-1 Project/Site: 11516 SDG: Try-Chem

Job ID: 440-273372-1

Laboratory: Eurofins Calscience Irvine

Narrative

Job Narrative 440-273372-1

Comments

No additional comments.

Receipt

The samples were received on 10/16/2020 9:45 AM; the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 0.5° C.

HPLC/IC

Method 7199: The following sample was diluted due to the nature of the sample matrix: SB-19 (8-10) (440-273372-2). Elevated reporting limits (RLs) are provided. The sample has brown color matrix.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

General Chemistry

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Job ID: 440-273372-1

Client: Sigma Group Inc., The Project/Site: 11516 SDG: Try-Chem Client Sample ID: SB-19 (2-4) Lab Sample ID: 440-273372-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chromium	9.1		0.99	0.50	mg/Kg	5		6010B	Total/NA

Client Sample ID: SB-19 (8-10)	Lab Sample ID: 440-273372-2
	-

Analyte	Result Qualifier	RL	MDL Unit	Dil Fac D	Method	Prep Type
Chromium	16	1.0	0.50 mg/Kg		6010B	Total/NA

Client Sample ID: SB-20 (2-4) Lab Sample ID: 440-273372-3

Analyte	Result Qualifier	RL	MDL Unit	Dil Fac D	Method	Prep Type
Chromium	10	1.0	0.50 mg/Kg		6010B	Total/NA

Client Sample ID: SB-20 (10-12) Lab Sample ID: 440-273372-4

Analyte	Result Qualifier	RL	MDL Unit	Dil Fac D	Method	Prep Type
Chromium	21	0.99	0.49 mg/Kg	5	6010B	Total/NA

Client Sample ID: SB-21c (2-4) Lab Sample ID: 440-273372-5

Analyte	Result Qua	alifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cr (VI)	0.46	0	.30	0.15	mg/Kg	3	_	7199	Total/NA
Chromium	42	0	.99	0.50	mg/Kg	5		6010B	Total/NA

Client Sample ID: SB-21c (6-8) Lab Sample ID: 440-273372-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cr (VI)	1.8		0.30	0.15	mg/Kg	3	_	7199	Total/NA
Chromium	720		1.0	0.50	mg/Kg	5		6010B	Total/NA

Client Sample ID: SB-22 (2-4) Lab Sample ID: 440-273372-7

Analyte	Result Qualifie	r RL	MDL	Unit	Dil Fac	D	Method	P	rep Type
Chromium	21	0.99	0.49	mg/Kg	5	_	6010B	T	otal/NA

Client Sample ID: SB-22 (6-8) Lab Sample ID: 440-273372-8

Analyte	Result Qualifier	RL	MDL Unit	Dil Fac D	Method	Prep Type
Chromium	15	1.0	0.50 mg/Kg		6010B	Total/NA

Client Sample ID: SB-23c (2-4) Lab Sample ID: 440-273372-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cr (VI)	0.47		0.30	0.15	mg/Kg	3	_	7199	Total/NA
Chromium	19		0.99	0.50	mg/Kg	5		6010B	Total/NA

Client Sample ID: SB-23c (6-8) Lab Sample ID: 440-273372-10

Analyte	Result Qualifier	RL	MDL Unit	Dil Fac D	Method	Prep Type
Chromium	 17	1.0	0.51 mg/Kg	5	6010B	Total/NA

Client Sample ID: SB-24d (2-4) Lab Sample ID: 440-273372-11

Analyte	Result Qualifier	RL	MDL Unit	Dil Fac	D Method	Prep Type
Chromium	17	0.99	0.49 mg/Kg	5	6010B	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: Sigma Group Inc., The Project/Site: 11516

Job ID: 440-273372-1

SDG: Try-Chem

Client Sample ID: SB-25 (2-4)				Lab Sample ID: 44	0-273372-12
Analyte	Result Qualifier	RL	MDL Unit	Dil Fac D Method	Prep Type

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cr (VI)	0.45		0.30	0.15	mg/Kg	3	_	7199	Total/NA
Chromium	110		1.0	0.51	mg/Kg	5		6010B	Total/NA

Analyte	Result Qualifier	RL	MDL Unit	Dil Fac D Method	Prep Type
Chromium	15	0.99	0.49 mg/Kg	5 6010B	Total/NA

Client Sample ID: SB-26e (2-4) Lab Sample ID: 440-273372-14

Analyte	Result Qualifier	RL	MDL Unit	Dil Fac D	Method	Prep Type
Chromium	23	1.0	0.50 mg/Kg	5	6010B	Total/NA

Client Sample ID: SB-27 (2-4) Lab Sample ID: 440-273372-15

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cr (VI)	0.17	J	0.30	0.15	mg/Kg	3		7199	Total/NA
Chromium	25		1.0	0.51	mg/Kg	5		6010B	Total/NA

Lab Sample ID: 440-273372-16 Client Sample ID: SB-27 (6-8)

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D Met	hod	Prep Type
Chromium	15		1.0	0.50	mg/Kg	5	601	0B	Total/NA

2

Job ID: 440-273372-1 SDG: Try-Chem

Project/Site: 11516 SDG: Try-Chem

Client Sample ID: SB-19 (2-4)

Lab Sample ID: 440-273372-1

0-273372-1 Matrix: Solid

Date Collected: 10/14/20 08:38 Date Received: 10/16/20 09:45

Client: Sigma Group Inc., The

Method: 7199 - Chromium, Hexavalent (IC) Analyte Result Qualifier RL **MDL** Unit D Dil Fac Prepared Analyzed Cr (VI) 0.30 10/17/20 01:48 10/20/20 23:33 ND 0.15 mg/Kg

Method: 6010B - Metals (ICP) RL MDL Unit Analyte Result Qualifier D Dil Fac Prepared Analyzed 10/20/20 08:50 **Chromium** 9.1 0.99 0.50 mg/Kg 10/20/20 17:54

Client Sample ID: SB-19 (8-10)

Date Collected: 10/14/20 08:45

Lab Sample ID: 440-273372-2

Matrix: Solid

Date Received: 10/16/20 09:45

Method: 7199 - Chromium, Hexavalent (IC) Analyte Result Qualifier RL **MDL** Unit Prepared Analyzed Dil Fac Cr (VI) ND 1.0 0.50 mg/Kg 10/17/20 01:48 10/21/20 00:38 10

Method: 6010B - Metals (ICP) Analyte Result Qualifier RL MDL Unit Dil Fac Prepared Analyzed 10/20/20 08:50 10/20/20 18:04 Chromium 1.0 0.50 mg/Kg 5 16

Client Sample ID: SB-20 (2-4)

Lab Sample ID: 440-273372-3

Date Collected: 10/14/20 08:52

Date Received: 10/16/20 09:45

Matrix: Solid

Method: 7199 - Chromium, Hexavalent (IC) Analyte Result Qualifier RL **MDL** Unit Prepared Analyzed Dil Fac Cr (VI) ND 0.30 0.15 mg/Kg 10/17/20 01:48 10/21/20 00:51 Method: 6010B - Metals (ICP) Analyte Result Qualifier RL **MDL** Unit D Prepared Analyzed Dil Fac Chromium 10 1.0 0.50 mg/Kg 10/20/20 08:50 10/20/20 18:06

Client Sample ID: SB-20 (10-12)

Date Collected: 10/14/20 09:04

Lab Sample ID: 440-273372-4

Matrix: Solid

Date Collected: 10/14/20 09:04 Date Received: 10/16/20 09:45

 Method: 7199 - Chromium, Hexavalent (IC)

 Analyte
 Result Cr (VI)
 Qualifier ND
 RL ND
 MDL mit mg/Kg
 D mg/Kg
 Prepared 10/17/20 01:48
 Analyzed Noll Fac 10/21/20 01:04
 Dil Fac 10/21/20 01:04

 Method: 6010B - Metals (ICP)

 Analyte
 Result Chromium
 Qualifier
 RL Qualifier
 MDL MDL MDL MIT
 Unit MDL MIT
 D MIT
 Prepared MIT
 Analyzed MIT
 D MIT
 Factorium

Client Sample ID: SB-21c (2-4)

Date Collected: 10/14/20 09:11

Lab Sample ID: 440-273372-5

Matrix: Solid

Date Received: 10/16/20 09:45

Method: 7199 - Chromium, Hexavalent (IC) Analyte Result Qualifier RI **MDL** Unit D Prepared Analyzed Dil Fac Cr (VI) 0.46 0.30 0.15 mg/Kg 10/17/20 01:48 10/21/20 02:28

 Method: 6010B - Metals (ICP)

 Analyte
 Result Qualifier
 RL Qualifier
 MDL Unit mg/Kg
 D Prepared 10/20/20 08:50 10/20/20 18:16
 Analyzed Dil Fac 10/20/20 18:16
 D D DI Fac 10/20/20 18:16

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Client: Sigma Group Inc., The Job ID: 440-273372-1 SDG: Try-Chem

Client Sample ID: SB-21c (6-8)

Lab Sample ID: 440-273372-6

Matrix: Solid

Date Collected: 10/14/20 10:18 Date Received: 10/16/20 09:45

Project/Site: 11516

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	1.8		0.30	0.15	mg/Kg		10/17/20 01:48	10/21/20 02:41	3
Method: 6010B - Metals (ICP)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	720		1.0	0.50	mg/Kg		10/20/20 08:50	10/20/20 18:19	5

Lab Sample ID: 440-273372-7 Client Sample ID: SB-22 (2-4)

Date Collected: 10/14/20 10:31 **Matrix: Solid**

Date Received: 10/16/20 09:45

Analyte	Result Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	ND ND	0.30	0.15	mg/Kg		10/17/20 01:48	10/21/20 02:54	3
- -								
Method: 6010B - Metals Analyte	(ICP) Result Qualifier	RL	MDI	Unit	D	Prepared	Analvzed	Dil Fac

Date Collected: 10/14/20 10:33 **Matrix: Solid**

Date Received: 10/16/20 09:45

Method: 7199 - Chromium, Hexa	avalent (IC	;)							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	ND		0.30	0.15	mg/Kg		10/17/20 01:48	10/21/20 03:07	3
Method: 6010B - Metals (ICP)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	15		1.0	0.50	mg/Kg		10/20/20 08:50	10/20/20 18:24	5

Client Sample ID: SB-23c (2-4) Lab Sample ID: 440-273372-9

Date Collected: 10/14/20 10:43	Matrix: Solid
Date Received: 10/16/20 09:45	

Method: 7199 - Chromium, He	kavalent (IC)							
Analyte	Result Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	0.47	0.30	0.15	mg/Kg		10/17/20 01:48	10/21/20 03:20	3
Method: 6010B - Metals (ICP)								
Analyte	Result Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	19	0.99	0.50	mg/Kg		10/20/20 08:50	10/20/20 18:26	5

Client Sample ID: SB-23c (6-8) Lab Sample ID: 440-273372-10 **Matrix: Solid**

Date Collected: 10/14/20 11:01 Date Received: 10/16/20 09:45

Method: 7199 - Chromium, Hexa	avalent (IC	<u> </u>							
Analyte	•	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	ND		0.30	0.15	mg/Kg		10/17/20 01:48	10/21/20 03:33	3
Method: 6010B - Metals (ICP)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	17		1.0	0.51	mg/Kg		10/20/20 08:50	10/20/20 18:29	5

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Job ID: 440-273372-1 SDG: Try-Chem

Project/Site: 11516

Client Sample ID: SB-24d (2-4) Date Collected: 10/14/20 11:29

Client: Sigma Group Inc., The

Date Received: 10/16/20 09:45

Lab Sample ID: 440-273372-11

Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	ND		0.30	0.15	mg/Kg		10/17/20 01:48	10/21/20 03:46	3
Method: 6010B - Metals (ICP)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
			0.99		mg/Kg		10/20/20 08:50	10/20/20 18:31	5

Client Sample ID: SB-25 (2-4) Lab Sample ID: 440-273372-12 Date Collected: 10/14/20 11:34

Date Received: 10/16/20 09:45

Matrix: Solid

Method: 7199 - Chromium, Hexavalent (IC)

Analyte Result Qualifier RL **MDL** Unit Prepared Analyzed 0.30 10/17/20 01:48 Cr (VI) 0.45 0.15 mg/Kg 10/21/20 03:59

Method: 6010B - Metals (ICP) Analyte Result Qualifier RL MDL Unit Prepared Analyzed Dil Fac 10/20/20 08:50 10/20/20 18:34 Chromium 110 1.0 0.51 mg/Kg 5

Lab Sample ID: 440-273372-13 Client Sample ID: SB-25 (6-8) Date Collected: 10/14/20 11:38 **Matrix: Solid**

Date Received: 10/16/20 09:45

Method: 7199 - Chromium, Hexavalent (IC) Analyte Result Qualifier RL **MDL** Unit Prepared Analyzed Dil Fac Cr (VI) ND 0.30 0.15 mg/Kg 10/17/20 01:48 10/21/20 04:12 Method: 6010B - Metals (ICP) Analyte Result Qualifier RL **MDL** Unit D Prepared Analyzed Dil Fac

Chromium 15 0.99 0.49 mg/Kg 10/20/20 08:50 10/20/20 18:41

Client Sample ID: SB-26e (2-4) Lab Sample ID: 440-273372-14 Date Collected: 10/14/20 12:36 **Matrix: Solid**

Date Received: 10/16/20 09:45

Method: 7199 - Chromium, Hexavalent (IC) Analyte Result Qualifier RL **MDL** Unit D Prepared Analyzed Dil Fac ND 0.30 10/17/20 01:48 10/21/20 04:25 Cr (VI) 0.15 mg/Kg

Method: 6010B - Metals (ICP) Analyte Result Qualifier RL **MDL** Unit Prepared Analyzed Dil Fac 0.50 mg/Kg 23 1.0 10/20/20 08:50 10/20/20 18:44 **Chromium**

Lab Sample ID: 440-273372-15 Client Sample ID: SB-27 (2-4) Date Collected: 10/14/20 13:08 Matrix: Solid

Date Received: 10/16/20 09:45

Method: 7199 - Chromium, Hexavalent (IC) Result Qualifier Analyte RI **MDL** Unit Prepared Analyzed Dil Fac Cr (VI) 0.17 J 0.30 0.15 mg/Kg 10/17/20 01:48 10/21/20 05:04

Method: 6010B - Metals (ICP) Analyte Result Qualifier RL **MDL** Unit D Prepared Analyzed Dil Fac 1.0 10/20/20 08:50 10/20/20 18:46 **Chromium** 25 0.51 mg/Kg

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Client Sample Results

Client: Sigma Group Inc., The Job ID: 440-273372-1
Project/Site: 11516 SDG: Try-Chem

Client Sample ID: SB-27 (6-8)

Lab Sample ID: 440-273372-16

Date Collected: 10/14/20 13:11

Date Received: 10/16/20 09:45

Matrix: Solid

Method: 7199 - Chromium, Hexa	avalent (IC	;)							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	ND		0.30	0.15	mg/Kg		10/17/20 01:48	10/21/20 05:17	3
Method: 6010B - Metals (ICP)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	15		1.0	0.50	mg/Kg		10/20/20 08:50	10/20/20 18:49	5

Method Summary

Client: Sigma Group Inc., The

Project/Site: 11516 SDG: Try-Chem

Method	Method Description	Protocol	Laboratory
7199	Chromium, Hexavalent (IC)	SW846	TAL IRV
6010B	Metals (ICP)	SW846	TAL IRV
3050B	Preparation, Metals	SW846	TAL IRV
3060A	Alkaline Digestion (Chromium, Hexavalent)	SW846	TAL IRV

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL IRV = Eurofins Calscience Irvine, 17461 Derian Ave, Suite 100, Irvine, CA 92614-5817, TEL (949)261-1022

Job ID: 440-273372-1

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Client: Sigma Group Inc., The Project/Site: 11516

SDG: Try-Chem Client Sample ID: SB-19 (2-4) Lab Sample ID: 440-273372-1

Matrix: Solid

Job ID: 440-273372-1

Date Collected: 10/14/20 08:38 Date Received: 10/16/20 09:45

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	3060A			2.50 g	100 mL	627854	10/17/20 01:48	RW	TAL IRV
Total/NA	Analysis	7199		3			628064	10/20/20 23:33	MN	TAL IRV
Total/NA	Prep	3050B			2.02 g	50 mL	627942	10/20/20 08:50	NE1	TAL IRV
Total/NA	Analysis	6010B		5			628187	10/20/20 17:54	P1R	TAL IRV

Client Sample ID: SB-19 (8-10)

Lab Sample ID: 440-273372-2 Date Collected: 10/14/20 08:45 Matrix: Solid

Date Received: 10/16/20 09:45

Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Prep	3060A			2.49 g	100 mL	627854	10/17/20 01:48	RW	TAL IRV
Analysis	7199		10			628064	10/21/20 00:38	MN	TAL IRV
Prep	3050B			1.99 g	50 mL	627942	10/20/20 08:50	NE1	TAL IRV
Analysis	6010B		5			628187	10/20/20 18:04	P1R	TAL IRV
	Type Prep Analysis Prep	Type Method Prep 3060A Analysis 7199 Prep 3050B	Type Method Run Prep 3060A Analysis 7199 Prep 3050B	Type Method Run Factor Prep 3060A 3060A 10 Analysis 7199 10 Prep 3050B 10	Type Method Run Factor Amount Prep 3060A 2.49 g Analysis 7199 10 Prep 3050B 1.99 g	Type Method Run Factor Amount Amount Prep 3060A 2.49 g 100 mL Analysis 7199 10 Prep 3050B 1.99 g 50 mL	Type Method Run Factor Amount Amount Number Prep 3060A 2.49 g 100 mL 627854 Analysis 7199 10 628064 Prep 3050B 1.99 g 50 mL 627942	Type Method Run Factor Amount Amount Number or Analyzed Prep 3060A 2.49 g 100 mL 627854 10/17/20 01:48 Analysis 7199 10 628064 10/21/20 00:38 Prep 3050B 1.99 g 50 mL 627942 10/20/20 08:50	Type Method Run Factor Amount Amount Number or Analyzed Analyst Prep 3060A 2.49 g 100 mL 627854 10/17/20 01:48 RW Analysis 7199 10 628064 10/21/20 00:38 MN Prep 3050B 1.99 g 50 mL 627942 10/20/20 08:50 NE1

Client Sample ID: SB-20 (2-4)

Lab Sample ID: 440-273372-3 Date Collected: 10/14/20 08:52 Matrix: Solid

Date Received: 10/16/20 09:45

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	3060A			2.48 g	100 mL	627854	10/17/20 01:48	RW	TAL IRV
Total/NA	Analysis	7199		3			628064	10/21/20 00:51	MN	TAL IRV
Total/NA	Prep	3050B			2.01 g	50 mL	627942	10/20/20 08:50	NE1	TAL IRV
Total/NA	Analysis	6010B		5			628187	10/20/20 18:06	P1R	TAL IRV

Client Sample ID: SB-20 (10-12)

Lab Sample ID: 440-273372-4 Date Collected: 10/14/20 09:04 **Matrix: Solid**

Date Received: 10/16/20 09:45

_	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	3060A			2.50 g	100 mL	627854	10/17/20 01:48	RW	TAL IRV
Total/NA	Analysis	7199		3			628064	10/21/20 01:04	MN	TAL IRV
Total/NA	Prep	3050B			2.03 g	50 mL	627942	10/20/20 08:50	NE1	TAL IRV
Total/NA	Analysis	6010B		5			628187	10/20/20 18:14	P1R	TAL IRV

Client Sample ID: SB-21c (2-4)

Lab Sample ID: 440-273372-5 Date Collected: 10/14/20 09:11 **Matrix: Solid**

Date Received: 10/16/20 09:45

_	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	3060A			2.51 g	100 mL	627854	10/17/20 01:48	RW	TAL IRV
Total/NA	Analysis	7199		3			628064	10/21/20 02:28	MN	TAL IRV
Total/NA	Prep	3050B			2.02 g	50 mL	627942	10/20/20 08:50	NE1	TAL IRV
Total/NA	Analysis	6010B		5			628187	10/20/20 18:16	P1R	TAL IRV

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10/21/2020

Job ID: 440-273372-1

Matrix: Solid

Client: Sigma Group Inc., The Project/Site: 11516

SDG: Try-Chem Client Sample ID: SB-21c (6-8) Lab Sample ID: 440-273372-6

Date Collected: 10/14/20 10:18 Date Received: 10/16/20 09:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA Total/NA	Prep Analysis	3060A 7199		3	2.49 g	100 mL	627854 628064	10/17/20 01:48 10/21/20 02:41		TAL IRV
Total/NA Total/NA	Prep Analysis	3050B 6010B		5	2.01 g	50 mL	627942 628187	10/20/20 08:50 10/20/20 18:19		TAL IRV TAL IRV

Client Sample ID: SB-22 (2-4)

Date Collected: 10/14/20 10:31 Date Received: 10/16/20 09:45

Lab Sample ID: 440-273372-7 Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	3060A			2.48 g	100 mL	627854	10/17/20 01:48	RW	TAL IRV
Total/NA	Analysis	7199		3			628064	10/21/20 02:54	MN	TAL IRV
Total/NA	Prep	3050B			2.03 g	50 mL	627942	10/20/20 08:50	NE1	TAL IRV
Total/NA	Analysis	6010B		5			628187	10/20/20 18:21	P1R	TAL IRV

Client Sample ID: SB-22 (6-8)

Date Collected: 10/14/20 10:33

Date Received: 10/16/20 09:45

Lab Sample ID: 440-273372-8 Matrix: Solid

Lab Sample ID: 440-273372-9

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	3060A			2.49 g	100 mL	627854	10/17/20 01:48	RW	TAL IRV
Total/NA	Analysis	7199		3			628064	10/21/20 03:07	MN	TAL IRV
Total/NA	Prep	3050B			2.00 g	50 mL	627942	10/20/20 08:50	NE1	TAL IRV
Total/NA	Analysis	6010B		5			628187	10/20/20 18:24	P1R	TAL IRV

Client Sample ID: SB-23c (2-4)

Date Collected: 10/14/20 10:43

Date Received: 10/16/20 09:45

_	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	3060A			2.50 g	100 mL	627854	10/17/20 01:48	RW	TAL IRV
Total/NA	Analysis	7199		3			628064	10/21/20 03:20	MN	TAL IRV
Total/NA	Prep	3050B			2.02 g	50 mL	627942	10/20/20 08:50	NE1	TAL IRV
Total/NA	Analysis	6010B		5			628187	10/20/20 18:26	P1R	TAL IRV

Client Sample ID: SB-23c (6-8)

Date Collected: 10/14/20 11:01

Date Received: 10/16/20 09:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3060A		- 1 40101	2.50 g	100 mL	627854	10/17/20 01:48	RW	TAL IRV
Total/NA Total/NA	Analysis Prep	7199 3050B		3	1.97 g	50 mL	628064 627942	10/21/20 03:33 10/20/20 08:50		TAL IRV TAL IRV
Total/NA	Analysis	6010B		5	ŭ		628187	10/20/20 18:29	P1R	TAL IRV

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Matrix: Solid

Matrix: Solid

Job ID: 440-273372-1

SDG: Try-Chem

Client Sample ID: SB-24d (2-4) Lab Sample ID: 440-273372-11 Date Collected: 10/14/20 11:29

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	3060A			2.50 g	100 mL	627854	10/17/20 01:48	RW	TAL IRV
Total/NA	Analysis	7199		3			628064	10/21/20 03:46	MN	TAL IRV
Total/NA	Prep	3050B			2.03 g	50 mL	627942	10/20/20 08:50	NE1	TAL IRV
Total/NA	Analysis	6010B		5			628187	10/20/20 18:31	P1R	TAL IRV

Client Sample ID: SB-25 (2-4) Lab Sample ID: 440-273372-12 Date Collected: 10/14/20 11:34 Matrix: Solid

Date Received: 10/16/20 09:45

Batch Batch Dil Initial Batch Final Prepared Method Number or Analyzed **Prep Type** Type **Factor Amount** Amount Analyst Run Lab Total/NA Prep 3060A 2.49 g 100 mL 627854 10/17/20 01:48 RW TAL IRV Total/NA 7199 Analysis 3 628064 10/21/20 03:59 MN TAL IRV Total/NA Prep 3050B 1.96 g 50 mL 627942 10/20/20 08:50 NE1 TAL IRV Total/NA 628187 Analysis 6010B 5 10/20/20 18:34 P1R TAL IRV

Client Sample ID: SB-25 (6-8) Lab Sample ID: 440-273372-13

Date Collected: 10/14/20 11:38 Date Received: 10/16/20 09:45

Client: Sigma Group Inc., The

Date Received: 10/16/20 09:45

Project/Site: 11516

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	3060A			2.50 g	100 mL	627854	10/17/20 01:48	RW	TAL IRV
Total/NA	Analysis	7199		3			628064	10/21/20 04:12	MN	TAL IRV
Total/NA	Prep	3050B			2.03 g	50 mL	627942	10/20/20 08:50	NE1	TAL IRV
Total/NA	Analysis	6010B		5			628187	10/20/20 18:41	P1R	TAL IRV

Client Sample ID: SB-26e (2-4) Lab Sample ID: 440-273372-14

Date Collected: 10/14/20 12:36 Date Received: 10/16/20 09:45

_	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	3060A			2.48 g	100 mL	627854	10/17/20 01:48	RW	TAL IRV
Total/NA	Analysis	7199		3			628064	10/21/20 04:25	MN	TAL IRV
Total/NA	Prep	3050B			1.99 g	50 mL	627942	10/20/20 08:50	NE1	TAL IRV
Total/NA	Analysis	6010B		5			628187	10/20/20 18:44	P1R	TAL IRV

Client Sample ID: SB-27 (2-4) Lab Sample ID: 440-273372-15

Date Collected: 10/14/20 13:08 Date Received: 10/16/20 09:45

_	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	3060A			2.49 g	100 mL	627854	10/17/20 01:48	RW	TAL IRV
Total/NA	Analysis	7199		3			628064	10/21/20 05:04	MN	TAL IRV
Total/NA	Prep	3050B			1.98 g	50 mL	627942	10/20/20 08:50	NE1	TAL IRV
Total/NA	Analysis	6010B		5			628187	10/20/20 18:46	P1R	TAL IRV

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Matrix: Solid

Matrix: Solid

Matrix: Solid

Lab Chronicle

Client: Sigma Group Inc., The Job ID: 440-273372-1
Project/Site: 11516 SDG: Try-Chem

Client Sample ID: SB-27 (6-8)

Lab Sample ID: 440-273372-16

Date Collected: 10/14/20 13:11

Date Received: 10/16/20 09:45

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	3060A			2.50 g	100 mL	627854	10/17/20 01:48	RW	TAL IRV
Total/NA	Analysis	7199		3			628064	10/21/20 05:17	MN	TAL IRV
Total/NA	Prep	3050B			1.99 g	50 mL	627942	10/20/20 08:50	NE1	TAL IRV
Total/NA	Analysis	6010B		5			628187	10/20/20 18:49	P1R	TAL IRV

Laboratory References:

TAL IRV = Eurofins Calscience Irvine, 17461 Derian Ave, Suite 100, Irvine, CA 92614-5817, TEL (949)261-1022

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Client: Sigma Group Inc., The Project/Site: 11516

Job ID: 440-273372-1 SDG: Try-Chem

Method: 7199 - Chromium, Hexavalent (IC)

Lab Sample ID: MB 440-627854/1-A

Matrix: Solid

Analysis Batch: 628064

MB MB

Result Qualifier RL **MDL** Unit Analyzed Dil Fac Analyte Prepared 0.30 10/17/20 01:48 10/20/20 20:27 Cr (VI) ND 0.15 mg/Kg

LCS LCS

MS MS

MSD MSD

MSI MSI

1010

Result Qualifier

37.6

Result Qualifier

37.0

Result Qualifier

39.4

Result Qualifier

Unit

Unit

Unit

Unit

mg/Kg

mg/Kg

mg/Kg

mg/Kg

Spike

Added

40.0

Spike

Added

40.2

Spike

Added

40.0

Spike

Added

1090

Lab Sample ID: LCS 440-627854/2-A

Matrix: Solid

Cr (VI)

Analysis Batch: 628064

Analyte

Lab Sample ID: 440-273372-1 MS

Sample Sample

Sample Sample

Sample Sample

ND

Result Qualifier

MR MR

ND

Result Qualifier

ND

Result Qualifier

ND

Result Qualifier

Matrix: Solid Analysis Batch: 628064

Analyte Cr (VI)

Lab Sample ID: 440-273372-1 MSD

Matrix: Solid

Cr (VI)

Analysis Batch: 628064

Analyte

Lab Sample ID: 440-273372-1 MSI

Matrix: Solid

Analysis Batch: 628064

Analyte

Cr (VI)

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 440-627942/1-A ^5 **Matrix: Solid**

Analysis Batch: 628187

Analyte

Lab Sample ID: LCS 440-627942/2-A ^5

Matrix: Solid

Chromium

Analysis Batch: 628187

Analyte Chromium

Added 49.3

Spike

RL

1.0

Result Qualifier 46.7

LCS LCS

MDL Unit

0.50 mg/Kg

Unit mg/Kg %Rec

Prepared

95 80 - 120

Prep Type: Total/NA

Prep Batch: 627854

Client Sample ID: Lab Control Sample Prep Type: Total/NA

Prep Batch: 627854

%Rec. D %Rec Limits 80 - 120

Client Sample ID: Method Blank

Client Sample ID: SB-19 (2-4)

Prep Type: Total/NA Prep Batch: 627854

%Rec.

Limits %Rec

75 - 125

92

%Rec

Client Sample ID: SB-19 (2-4)

Prep Type: Total/NA Prep Batch: 627854

%Rec. **RPD**

Limits **RPD** Limit 75 - 125

Client Sample ID: SB-19 (2-4)

Prep Type: Total/NA Prep Batch: 627854

%Rec.

Limits

%Rec 75 - 125 92

Client Sample ID: Method Blank Prep Type: Total/NA

Prep Batch: 627942

Analyzed Dil Fac

Client Sample ID: Lab Control Sample

10/20/20 08:50 10/20/20 17:46

Prep Type: Total/NA **Prep Batch: 627942**

%Rec. Limits

QC Sample Results

Job ID: 440-273372-1 Client: Sigma Group Inc., The Project/Site: 11516

SDG: Try-Chem

Method: 6010B - Metals (ICP) (Continued)

Lab Sample ID: 440-273372-1 MS						(Client Sample ID: SB-19 (2-4)			
Matrix: Solid									Prep Ty	pe: Total/NA
Analysis Batch: 628187									Prep B	atch: 627942
	Sample	Sample	Spike	MS	MS				%Rec.	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Chromium	9.1		50.0	62.8		mg/Kg		107	75 - 125	

Lab Sample ID: 440-273372 Matrix: Solid	2-1 MSD						(Client S	ample ID: Prep Ty		• •
Analysis Batch: 628187									Prep Ba	itch: 62	27942
_	Sample	Sample	Spike	MSD	MSD				%Rec.		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Chromium	9 1		49.3	60.7		ma/Ka		105	75 - 125	3	20

Client: Sigma Group Inc., The

Job ID: 440-273372-1 Project/Site: 11516 SDG: Try-Chem

HPLC/IC

Prep Batch: 627854

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-273372-1	SB-19 (2-4)	Total/NA	Solid	3060A	
440-273372-2	SB-19 (8-10)	Total/NA	Solid	3060A	
440-273372-3	SB-20 (2-4)	Total/NA	Solid	3060A	
440-273372-4	SB-20 (10-12)	Total/NA	Solid	3060A	
440-273372-5	SB-21c (2-4)	Total/NA	Solid	3060A	
440-273372-6	SB-21c (6-8)	Total/NA	Solid	3060A	
440-273372-7	SB-22 (2-4)	Total/NA	Solid	3060A	
440-273372-8	SB-22 (6-8)	Total/NA	Solid	3060A	
440-273372-9	SB-23c (2-4)	Total/NA	Solid	3060A	
440-273372-10	SB-23c (6-8)	Total/NA	Solid	3060A	
440-273372-11	SB-24d (2-4)	Total/NA	Solid	3060A	
440-273372-12	SB-25 (2-4)	Total/NA	Solid	3060A	
440-273372-13	SB-25 (6-8)	Total/NA	Solid	3060A	
440-273372-14	SB-26e (2-4)	Total/NA	Solid	3060A	
440-273372-15	SB-27 (2-4)	Total/NA	Solid	3060A	
440-273372-16	SB-27 (6-8)	Total/NA	Solid	3060A	
MB 440-627854/1-A	Method Blank	Total/NA	Solid	3060A	
LCS 440-627854/2-A	Lab Control Sample	Total/NA	Solid	3060A	
440-273372-1 MS	SB-19 (2-4)	Total/NA	Solid	3060A	
440-273372-1 MSD	SB-19 (2-4)	Total/NA	Solid	3060A	
440-273372-1 MSI	SB-19 (2-4)	Total/NA	Solid	3060A	

Analysis Batch: 628064

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-273372-1	SB-19 (2-4)	Total/NA	Solid	7199	627854
440-273372-2	SB-19 (8-10)	Total/NA	Solid	7199	627854
440-273372-3	SB-20 (2-4)	Total/NA	Solid	7199	627854
440-273372-4	SB-20 (10-12)	Total/NA	Solid	7199	627854
440-273372-5	SB-21c (2-4)	Total/NA	Solid	7199	627854
440-273372-6	SB-21c (6-8)	Total/NA	Solid	7199	627854
440-273372-7	SB-22 (2-4)	Total/NA	Solid	7199	627854
440-273372-8	SB-22 (6-8)	Total/NA	Solid	7199	627854
440-273372-9	SB-23c (2-4)	Total/NA	Solid	7199	627854
440-273372-10	SB-23c (6-8)	Total/NA	Solid	7199	627854
440-273372-11	SB-24d (2-4)	Total/NA	Solid	7199	627854
440-273372-12	SB-25 (2-4)	Total/NA	Solid	7199	627854
440-273372-13	SB-25 (6-8)	Total/NA	Solid	7199	627854
440-273372-14	SB-26e (2-4)	Total/NA	Solid	7199	627854
440-273372-15	SB-27 (2-4)	Total/NA	Solid	7199	627854
440-273372-16	SB-27 (6-8)	Total/NA	Solid	7199	627854
MB 440-627854/1-A	Method Blank	Total/NA	Solid	7199	627854
LCS 440-627854/2-A	Lab Control Sample	Total/NA	Solid	7199	627854
440-273372-1 MS	SB-19 (2-4)	Total/NA	Solid	7199	627854
440-273372-1 MSD	SB-19 (2-4)	Total/NA	Solid	7199	627854
440-273372-1 MSI	SB-19 (2-4)	Total/NA	Solid	7199	627854

Metals

Prep Batch: 627942

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-273372-1	SB-19 (2-4)	Total/NA	Solid	3050B	

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Page 18 of 24

QC Association Summary

Client: Sigma Group Inc., The Job ID: 440-273372-1 Project/Site: 11516 SDG: Try-Chem

Metals (Continued)

Prep Batch: 627942 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-273372-2	SB-19 (8-10)	Total/NA	Solid	3050B	
440-273372-3	SB-20 (2-4)	Total/NA	Solid	3050B	
440-273372-4	SB-20 (10-12)	Total/NA	Solid	3050B	
440-273372-5	SB-21c (2-4)	Total/NA	Solid	3050B	
440-273372-6	SB-21c (6-8)	Total/NA	Solid	3050B	
440-273372-7	SB-22 (2-4)	Total/NA	Solid	3050B	
440-273372-8	SB-22 (6-8)	Total/NA	Solid	3050B	
440-273372-9	SB-23c (2-4)	Total/NA	Solid	3050B	
440-273372-10	SB-23c (6-8)	Total/NA	Solid	3050B	
440-273372-11	SB-24d (2-4)	Total/NA	Solid	3050B	
440-273372-12	SB-25 (2-4)	Total/NA	Solid	3050B	
440-273372-13	SB-25 (6-8)	Total/NA	Solid	3050B	
440-273372-14	SB-26e (2-4)	Total/NA	Solid	3050B	
440-273372-15	SB-27 (2-4)	Total/NA	Solid	3050B	
440-273372-16	SB-27 (6-8)	Total/NA	Solid	3050B	
MB 440-627942/1-A ^5	Method Blank	Total/NA	Solid	3050B	
LCS 440-627942/2-A ^5	Lab Control Sample	Total/NA	Solid	3050B	
440-273372-1 MS	SB-19 (2-4)	Total/NA	Solid	3050B	
440-273372-1 MSD	SB-19 (2-4)	Total/NA	Solid	3050B	

Analysis Batch: 628187

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-273372-1	SB-19 (2-4)	Total/NA	Solid	6010B	627942
440-273372-2	SB-19 (8-10)	Total/NA	Solid	6010B	627942
440-273372-3	SB-20 (2-4)	Total/NA	Solid	6010B	627942
440-273372-4	SB-20 (10-12)	Total/NA	Solid	6010B	627942
440-273372-5	SB-21c (2-4)	Total/NA	Solid	6010B	627942
440-273372-6	SB-21c (6-8)	Total/NA	Solid	6010B	627942
440-273372-7	SB-22 (2-4)	Total/NA	Solid	6010B	627942
440-273372-8	SB-22 (6-8)	Total/NA	Solid	6010B	627942
440-273372-9	SB-23c (2-4)	Total/NA	Solid	6010B	627942
440-273372-10	SB-23c (6-8)	Total/NA	Solid	6010B	627942
440-273372-11	SB-24d (2-4)	Total/NA	Solid	6010B	627942
440-273372-12	SB-25 (2-4)	Total/NA	Solid	6010B	627942
440-273372-13	SB-25 (6-8)	Total/NA	Solid	6010B	627942
440-273372-14	SB-26e (2-4)	Total/NA	Solid	6010B	627942
440-273372-15	SB-27 (2-4)	Total/NA	Solid	6010B	627942
440-273372-16	SB-27 (6-8)	Total/NA	Solid	6010B	627942
MB 440-627942/1-A ^5	Method Blank	Total/NA	Solid	6010B	627942
LCS 440-627942/2-A ^5	Lab Control Sample	Total/NA	Solid	6010B	627942
440-273372-1 MS	SB-19 (2-4)	Total/NA	Solid	6010B	627942
440-273372-1 MSD	SB-19 (2-4)	Total/NA	Solid	6010B	627942

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Definitions/Glossary

Client: Sigma Group Inc., The Job ID: 440-273372-1

Project/Site: 11516 SDG: Try-Chem

Qualifiers

HPLC/IC

Qualifier **Qualifier Description**

Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis

%R Percent Recovery CFL Contains Free Liquid CFU Colony Forming Unit CNF Contains No Free Liquid

Duplicate Error Ratio (normalized absolute difference) DER

Dil Fac **Dilution Factor**

DL Detection Limit (DoD/DOE)

DL, RA, RE, IN Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample

DLC Decision Level Concentration (Radiochemistry)

Estimated Detection Limit (Dioxin) **EDL** LOD Limit of Detection (DoD/DOE) LOQ Limit of Quantitation (DoD/DOE)

MCL EPA recommended "Maximum Contaminant Level" MDA Minimum Detectable Activity (Radiochemistry) MDC Minimum Detectable Concentration (Radiochemistry)

MDL Method Detection Limit MLMinimum Level (Dioxin) MPN Most Probable Number Method Quantitation Limit MQL

NC Not Calculated

ND Not Detected at the reporting limit (or MDL or EDL if shown)

NEG Negative / Absent POS Positive / Present

PQL Practical Quantitation Limit

PRES Presumptive QC **Quality Control**

Relative Error Ratio (Radiochemistry) **RER**

Reporting Limit or Requested Limit (Radiochemistry) RL

RPD Relative Percent Difference, a measure of the relative difference between two points

TEF Toxicity Equivalent Factor (Dioxin) **TEQ** Toxicity Equivalent Quotient (Dioxin)

Too Numerous To Count **TNTC**

Accreditation/Certification Summary

Client: Sigma Group Inc., The

Job ID: 440-273372-1 Project/Site: 11516 SDG: Try-Chem

Laboratory: Eurofins Calscience Irvine

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
California	State	2706	06-30-21

Chain of Custody Record

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Environment Testing TestAmerica

Client Contact	Project M	anager: M∈	2 fi 20 1	Iclan	W	Site	e Con	ntact			1)ate:					COC No	· 1		
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Phone: 414 - 642 - 4200	TA	T if different fr	rom Below]]	2 5]]]]]	11	- }		Walk-in C			
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Chain of Custody Record

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Environment Testing TestAmerica

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Login Sample Receipt Checklist

Client: Sigma Group Inc., The

Job Number: 440-273372-1

SDG Number: Try-Chem

Login Number: 273372 List Source: Eurofins Irvine

List Number: 1

Creator: Lagunas, Jorge L

Oreator. Lagunas, Jorge L		
Question	Answer	Comment
Radioactivity wasn't checked or is = background as measured by a survey meter.</td <td>True</td> <td></td>	True	
The cooler's custody seal, if present, is intact.	N/A	Not present
Sample custody seals, if present, are intact.	N/A	Not Present
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	False	Refer to Job Narrative for details.
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

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ATTACHMENT 6 GROUNDWATER LABORATORY ANALYTICAL REPORTS



Environment Testing America

ANALYTICAL REPORT

Eurofins Calscience Irvine 17461 Derian Ave Suite 100 Irvine, CA 92614-5817

Tel: (949)261-1022

Laboratory Job ID: 440-273689-1

Laboratory Sample Delivery Group: 11516 Client Project/Site: City of Milwaukee

For:

Sigma Group Inc., The 1300 West Canal Street Milwaukee, Wisconsin 53233

Attn: Steven Kikkert

Authorized for release by: 10/30/2020 2:37:31 PM

Danielle Roberts, Senior Project Manager (949)260-3249

Danielle.Roberts@Eurofinset.com

area Robinso

LINKS

Review your project results through

Total Access

Have a Question?



Visit us at:

www.eurofinsus.com/Env

The test results in this report meet all 2003 NELAC, 2009 TNI, and 2016 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Laboratory Job ID: 440-273689-1 SDG: 11516

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Sample Summary

Client: Sigma Group Inc., The Project/Site: City of Milwaukee

Job ID: 440-273689-1

SDG: 11516

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
440-273689-1	MW-2A	Water	10/22/20 13:30	10/23/20 11:22	
440-273689-2	MW-2R	Water	10/22/20 13:25	10/23/20 11:22	
440-273689-3	MW-4R	Water	10/22/20 13:20	10/23/20 11:22	
440-273689-4	MW-12	Water	10/22/20 13:15	10/23/20 11:22	
440-273689-5	MW-13	Water	10/22/20 13:10	10/23/20 11:22	

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Case Narrative

Client: Sigma Group Inc., The Project/Site: City of Milwaukee

Job ID: 440-273689-1

SDG: 11516

Job ID: 440-273689-1

Laboratory: Eurofins Calscience Irvine

Narrative

Job Narrative 440-273689-1

Comments

No additional comments.

Receipt

The samples were received on 10/23/2020 11:22 AM; the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 3.0° C.

HPLC/IC

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Metals

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

General Chemistry

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

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Detection Summary

Client: Sigma Group Inc., The Project/Site: City of Milwaukee	Job ID: 440-273689-1 SDG: 11516
Client Sample ID: MW-2A	Lab Sample ID: 440-273689-1
No Detections.	
Client Sample ID: MW-2R	Lab Sample ID: 440-273689-2
No Detections.	
Client Sample ID: MW-4R	Lab Sample ID: 440-273689-3
No Detections.	
Client Sample ID: MW-12	Lab Sample ID: 440-273689-4
No Detections.	
Client Sample ID: MW-13	Lab Sample ID: 440-273689-5
No Detections.	

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This Detection Summary does not include radiochemical test results.

Client Sample Results

Client: Sigma Group Inc., The Project/Site: City of Milwaukee							•	Job ID: 440-27 SDG	'3689-1 : 11516
Client Sample ID: MW-2A Date Collected: 10/22/20 13:30 Date Received: 10/23/20 11:22						La	b Sample	ID: 440-273 Matrix	8689-1 : Water
Method: 7199 - Chromium, Hexa	valent (IC								
Analyte		Qualifier	RL	MDL		<u>D</u>	Prepared	Analyzed	Dil Fac
Cr (VI)	ND		2.0	0.25	ug/L			10/23/20 11:03	1
Method: 6010B - Metals (ICP) - D	iccolyad								
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	ND		0.0050	0.0025		=	10/28/20 09:39		1
					J.				
Client Sample ID: MW-2R Date Collected: 10/22/20 13:25 Date Received: 10/23/20 11:22						La	b Sample	ID: 440-273 Matrix	: Water
Method: 7199 - Chromium, Hexa	valent (IC	;)							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	ND		2.0	0.25	ug/L			10/23/20 10:50	1
_ 									
Method: 6010B - Metals (ICP) - D		O !! fi	DI.	MDI	l lasiá		Dunnanad	A a l a al	Dil Faa
Analyte Chromium	ND	Qualifier		0.0025		D	Prepared 10/28/20 09:43	Analyzed 10/28/20 12:39	Dil Fac
Chromium	ND		0.0050	0.0025	mg/L		10/26/20 09:43	10/20/20 12:39	1
Client Sample ID: MW-4R Date Collected: 10/22/20 13:20 Date Received: 10/23/20 11:22						La	b Sample	ID: 440-273 Matrix	8689-3 : Water
Method: 7199 - Chromium, Hexa	valent (IC	3)							
Analyte	•	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	ND		2.0	0.25	ug/L			10/23/20 10:37	1
Method: 6010B - Metals (ICP) - D						_	_		
Analyte Chromium		Qualifier	RL	MDL		D	Prepared	Analyzed	Dil Fac
Chromium	ND		0.0050	0.0025	mg/L		10/28/20 09:43	10/28/20 12:41	1
Client Sample ID: MW-12 Date Collected: 10/22/20 13:15 Date Received: 10/23/20 11:22						La	b Sample	ID: 440-273 Matrix	8689-4 : Water
Method: 7199 - Chromium, Hexay	valent (IC	3)							
Method: 7199 - Chromium, Hexa	•	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	•	•		MDL 0.25		<u>D</u>	Prepared	Analyzed 10/23/20 10:24	Dil Fac
Analyte Cr (VI)	Result ND	•				<u>D</u>	Prepared		Dil Fac
Analyte Cr (VI) Method: 6010B - Metals (ICP) - D	Result ND issolved	Qualifier	2.0	0.25	ug/L			10/23/20 10:24	1
Analyte Cr (VI) Method: 6010B - Metals (ICP) - D Analyte	Result ND issolved Result	•	2.0	0.25 MDL	ug/L Unit	<u>D</u>	Prepared	10/23/20 10:24 Analyzed	Dil Fac Dil Fac
Analyte Cr (VI) Method: 6010B - Metals (ICP) - D	Result ND issolved	Qualifier	2.0	0.25	ug/L Unit			10/23/20 10:24 Analyzed	1
Analyte Cr (VI) Method: 6010B - Metals (ICP) - D Analyte	Result ND issolved Result	Qualifier	2.0	0.25 MDL	ug/L Unit	<u>D</u>	Prepared 10/28/20 09:43	10/23/20 10:24 Analyzed 10/28/20 12:44 ID: 440-273	Dil Fac
Analyte Cr (VI) Method: 6010B - Metals (ICP) - D Analyte Chromium Client Sample ID: MW-13 Date Collected: 10/22/20 13:10 Date Received: 10/23/20 11:22	Result ND issolved Result ND	Qualifier Qualifier	2.0	0.25 MDL	ug/L Unit	<u>D</u>	Prepared 10/28/20 09:43	10/23/20 10:24 Analyzed 10/28/20 12:44 ID: 440-273	Dil Fac 1 8689-5
Analyte Cr (VI) Method: 6010B - Metals (ICP) - D Analyte Chromium Client Sample ID: MW-13 Date Collected: 10/22/20 13:10	Result ND ISSOIVED ND	Qualifier Qualifier	2.0	0.25 MDL	ug/L Unit mg/L	<u>D</u>	Prepared 10/28/20 09:43	10/23/20 10:24 Analyzed 10/28/20 12:44 ID: 440-273	Dil Fac 1 8689-5
Analyte Cr (VI) Method: 6010B - Metals (ICP) - D Analyte Chromium Client Sample ID: MW-13 Date Collected: 10/22/20 13:10 Date Received: 10/23/20 11:22 Method: 7199 - Chromium, Hexan	Result ND ISSOIVED ND	Qualifier Qualifier	2.0 RL 0.0050	0.25 MDL 0.0025	ug/L Unit mg/L Unit	D_	Prepared 10/28/20 09:43	Analyzed 10/28/20 12:44 ID: 440-273 Matrix	Dil Fac 1 8689-5 : Water
Analyte Cr (VI) Method: 6010B - Metals (ICP) - D Analyte Chromium Client Sample ID: MW-13 Date Collected: 10/22/20 13:10 Date Received: 10/23/20 11:22 Method: 7199 - Chromium, Hexar Analyte Cr (VI)	Result ND issolved Result ND valent (IC Result	Qualifier Qualifier	2.0 RL 0.0050	0.25 MDL 0.0025	ug/L Unit mg/L Unit	D_	Prepared 10/28/20 09:43	Analyzed 10/23/20 10:24 Analyzed 10/28/20 12:44 ID: 440-273 Matrix Analyzed	Dil Fac 1 8689-5 : Water
Analyte Cr (VI) Method: 6010B - Metals (ICP) - D Analyte Chromium Client Sample ID: MW-13 Date Collected: 10/22/20 13:10 Date Received: 10/23/20 11:22 Method: 7199 - Chromium, Hexar Analyte Cr (VI) Method: 6010B - Metals (ICP) - D	Result ND issolved Result ND valent (IC Result ND	Qualifier Qualifier Qualifier Qualifier	2.0 RL 0.0050	0.25 MDL 0.0025 MDL 0.25	Unit mg/L Unit ug/L	D_	Prepared 10/28/20 09:43	Analyzed 10/28/20 10:24 Analyzed 10/28/20 12:44 ID: 440-273 Matrix Analyzed 10/23/20 10:12	Dil Fac 1 3689-5 : Water Dil Fac 1
Analyte Cr (VI) Method: 6010B - Metals (ICP) - D Analyte Chromium Client Sample ID: MW-13 Date Collected: 10/22/20 13:10 Date Received: 10/23/20 11:22 Method: 7199 - Chromium, Hexar Analyte Cr (VI)	Result ND issolved Result ND valent (IC Result ND	Qualifier Qualifier	2.0 RL 0.0050	0.25 MDL 0.0025	Unit mg/L Unit ug/L Unit	D_	Prepared 10/28/20 09:43	Analyzed Analyzed 10/28/20 12:44 ID: 440-273 Matrix Analyzed 10/23/20 10:12 Analyzed	Dil Fac 1 8689-5 : Water

Page 6 of 15 10/30/2020

Method Summary

Client: Sigma Group Inc., The Project/Site: City of Milwaukee Job ID: 440-273689-1

SDG: 11516

Method	Method Description	Protocol	Laboratory
7199	Chromium, Hexavalent (IC)	SW846	TAL IRV
6010B	Metals (ICP)	SW846	TAL IRV
3005A	Preparation, Total Recoverable or Dissolved Metals	SW846	TAL IRV

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL IRV = Eurofins Calscience Irvine, 17461 Derian Ave, Suite 100, Irvine, CA 92614-5817, TEL (949)261-1022

Client: Sigma Group Inc., The Project/Site: City of Milwaukee

Lab Sample ID: 440-273689-1

Job ID: 440-273689-1

Matrix: Water

SDG: 11516

Client Sample ID: MW-2A Date Collected: 10/22/20 13:30

Date Received: 10/23/20 11:22

_	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	7199		1			628510	10/23/20 11:03	MN	TAL IRV
Dissolved	Prep	3005A			25 mL	25 mL	629001	10/28/20 09:39	M1G	TAL IRV
Dissolved	Analysis	6010B		1			629054	10/28/20 12:31	KE	TAL IRV

Client Sample ID: MW-2R Lab Sample ID: 440-273689-2

Date Collected: 10/22/20 13:25 **Matrix: Water** Date Received: 10/23/20 11:22

Batch **Batch** Dil Initial Final Batch Prepared Method Factor Amount Analyst **Prep Type** Type Run Amount Number or Analyzed Lab 7199 628510 10/23/20 10:50 MN Total/NA Analysis TAL IRV Dissolved 3005A 25 mL 25 mL 629001 10/28/20 09:43 M1G TAL IRV Prep Dissolved Analysis 629054 10/28/20 12:39 KE 6010B 1 TAL IRV

Lab Sample ID: 440-273689-3 Client Sample ID: MW-4R

Date Collected: 10/22/20 13:20 **Matrix: Water**

Date Received: 10/23/20 11:22

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	7199		1			628510	10/23/20 10:37	MN	TAL IRV
Dissolved	Prep	3005A			25 mL	25 mL	629001	10/28/20 09:43	M1G	TAL IRV
Dissolved	Analysis	6010B		1			629054	10/28/20 12:41	KE	TAL IRV

Lab Sample ID: 440-273689-4 **Client Sample ID: MW-12**

Date Collected: 10/22/20 13:15 Date Received: 10/23/20 11:22

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	7199		1			628510	10/23/20 10:24	MN	TAL IRV
Dissolved	Prep	3005A			25 mL	25 mL	629001	10/28/20 09:43	M1G	TAL IRV
Dissolved	Analysis	6010B		1			629054	10/28/20 12:44	KE	TAL IRV

Client Sample ID: MW-13 Lab Sample ID: 440-273689-5

Date Collected: 10/22/20 13:10 **Matrix: Water**

Date Received: 10/23/20 11:22

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	7199		1			628510	10/23/20 10:12	MN	TAL IRV
Dissolved	Prep	3005A			25 mL	25 mL	629001	10/28/20 09:43	M1G	TAL IRV
Dissolved	Analysis	6010B		1			629054	10/28/20 12:54	KE	TAL IRV

Laboratory References:

TAL IRV = Eurofins Calscience Irvine, 17461 Derian Ave, Suite 100, Irvine, CA 92614-5817, TEL (949)261-1022

Eurofins Calscience Irvine

Matrix: Water

Client: Sigma Group Inc., The Project/Site: City of Milwaukee Job ID: 440-273689-1

Prep Type: Total/NA

Client Sample ID: MW-2A

Prep Type: Total/NA

Client Sample ID: Method Blank

SDG: 11516

Method: 7199 - Chromium, Hexavalent (IC)

Lab Sample ID: MB 440-628510/17

Matrix: Water

Analysis Batch: 628510

Prep Type: Total/NA

Result Qualifier RL **MDL** Unit Analyzed Dil Fac Analyte D Prepared 2.0 0.25 ug/L 10/23/20 09:59 Cr (VI) ND

Lab Sample ID: LCS 440-628510/16 **Client Sample ID: Lab Control Sample**

MB MB

Matrix: Water

Analysis Batch: 628510

Spike LCS LCS %Rec. Added Result Qualifier D %Rec Limits Analyte Unit 50.0 49.5 90 - 110 Cr (VI) ug/L 99

Lab Sample ID: MRL 440-628510/15 **Client Sample ID: Lab Control Sample Matrix: Water** Prep Type: Total/NA

Analysis Batch: 628510

Spike MRL MRL %Rec. Added Result Qualifier Limits Analyte Unit D %Rec Cr (VI) 1.00 0.987 J 50 - 150 ug/L

Lab Sample ID: 440-273689-1 MS Client Sample ID: MW-2A **Prep Type: Total/NA**

Matrix: Water

Analysis Batch: 628510

Spike MS MS %Rec. Sample Sample Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits Cr (VI) ND 50.0 50.4 ug/L 101 85 - 115

Lab Sample ID: 440-273689-1 MSD

Matrix: Water

Analysis Batch: 628510

MSD MSD RPD Sample Sample Spike %Rec. Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits Limit Cr (VI) ND 50.0 50.2 ug/L 100 85 - 115 20

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 440-629001/1-A Client Sample ID: Method Blank **Matrix: Water Prep Type: Total Recoverable Prep Batch: 629001**

Analysis Batch: 629054 MR MR

RL

MDL Unit Analyte Result Qualifier Prepared Analyzed Dil Fac 0.0050 0.0025 mg/L 10/28/20 09:39 10/28/20 12:21 Chromium ND

Lab Sample ID: LCS 440-629001/2-A

Matrix: Water

Analysis Batch: 629054

LCS LCS Spike

%Rec. Analyte Added Result Qualifier Unit %Rec Limits Chromium 1.00 0.871 mg/L 87 80 - 120

Eurofins Calscience Irvine

Client Sample ID: Lab Control Sample

Prep Type: Total Recoverable

Prep Batch: 629001

QC Sample Results

Client: Sigma Group Inc., The Job ID: 440-273689-1 Project/Site: City of Milwaukee SDG: 11516

Method: 6010B - Metals (ICP) (Continued)

Lab Sample ID: 440-273689	-1 MS							Clie	nt Sampl	e ID: MW-2A
Matrix: Water									Prep Typ	e: Dissolved
Analysis Batch: 629054									Prep Ba	atch: 629001
-	Sample	Sample	Spike	MS	MS				%Rec.	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Chromium	ND		1.00	0.869		mg/L		87	75 - 125	

Lab Sample ID. 440-27 3003	- I WIOD							Cile	nii Sampii	e ID. W	VV-ZA
Matrix: Water									Prep Type	e: Diss	olved
Analysis Batch: 629054									Prep Ba	atch: 62	29001
-	Sample	Sample	Spike	MSD	MSD				%Rec.		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Chromium	ND		1.00	0.864		mg/L		86	75 - 125	1	20
	Matrix: Water Analysis Batch: 629054 Analyte	Analysis Batch: 629054 Sample Analyte Result	Matrix: Water Analysis Batch: 629054 Sample Sample Analyte Result Qualifier	Matrix: Water Analysis Batch: 629054 Sample Sample Spike Analyte Result Qualifier Added	Matrix: Water Analysis Batch: 629054 Sample Sample Spike MSD Analyte Result Qualifier Added Result	Matrix: Water Analysis Batch: 629054 Sample Sample Spike MSD MSD Analyte Result Qualifier Added Result Qualifier	Matrix: Water Analysis Batch: 629054 Sample Sample Spike MSD MSD Analyte Result Qualifier Added Result Qualifier Unit	Matrix: Water Analysis Batch: 629054 Sample Sample Spike MSD MSD Analyte Result Qualifier Added Result Qualifier Unit D	Matrix: Water Analysis Batch: 629054 Sample Sample Spike MSD MSD Analyte Result Qualifier Added Result Qualifier Unit D %Rec	Matrix: Water Analysis Batch: 629054 Sample Sample Spike MSD MSD Analyte Result Qualifier Added Result Qualifier Unit D %Rec Limits	Matrix: Water Analysis Batch: 629054 Sample Sample Spike MSD MSD Analyte Result Qualifier Added Result Qualifier Unit D %Rec Limits RPD

QC Association Summary

Client: Sigma Group Inc., The Job ID: 440-273689-1 Project/Site: City of Milwaukee SDG: 11516

HPLC/IC

Analysis Batch: 628510

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-273689-1	MW-2A	Total/NA	Water	7199	
440-273689-2	MW-2R	Total/NA	Water	7199	
440-273689-3	MW-4R	Total/NA	Water	7199	
440-273689-4	MW-12	Total/NA	Water	7199	
440-273689-5	MW-13	Total/NA	Water	7199	
MB 440-628510/17	Method Blank	Total/NA	Water	7199	
LCS 440-628510/16	Lab Control Sample	Total/NA	Water	7199	
MRL 440-628510/15	Lab Control Sample	Total/NA	Water	7199	
440-273689-1 MS	MW-2A	Total/NA	Water	7199	
440-273689-1 MSD	MW-2A	Total/NA	Water	7199	

Metals

Prep Batch: 629001

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-273689-1	MW-2A	Dissolved	Water	3005A	
440-273689-2	MW-2R	Dissolved	Water	3005A	
440-273689-3	MW-4R	Dissolved	Water	3005A	
440-273689-4	MW-12	Dissolved	Water	3005A	
440-273689-5	MW-13	Dissolved	Water	3005A	
MB 440-629001/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 440-629001/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
440-273689-1 MS	MW-2A	Dissolved	Water	3005A	
440-273689-1 MSD	MW-2A	Dissolved	Water	3005A	

Analysis Batch: 629054

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-273689-1	MW-2A	Dissolved	Water	6010B	629001
440-273689-2	MW-2R	Dissolved	Water	6010B	629001
440-273689-3	MW-4R	Dissolved	Water	6010B	629001
440-273689-4	MW-12	Dissolved	Water	6010B	629001
440-273689-5	MW-13	Dissolved	Water	6010B	629001
MB 440-629001/1-A	Method Blank	Total Recoverable	Water	6010B	629001
LCS 440-629001/2-A	Lab Control Sample	Total Recoverable	Water	6010B	629001
440-273689-1 MS	MW-2A	Dissolved	Water	6010B	629001
440-273689-1 MSD	MW-2A	Dissolved	Water	6010B	629001

Definitions/Glossary

Client: Sigma Group Inc., The Job ID: 440-273689-1 Project/Site: City of Milwaukee SDG: 11516

Qualifiers

HPLC/IC

Qualifier **Qualifier Description**

Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation These commonly used abbreviations may or may not be present in this report.

Listed under the "D" column to designate that the result is reported on a dry weight basis

%R Percent Recovery **CFL** Contains Free Liquid CFU Colony Forming Unit CNF Contains No Free Liquid

Duplicate Error Ratio (normalized absolute difference) **DER**

Dil Fac **Dilution Factor**

DL Detection Limit (DoD/DOE)

DL, RA, RE, IN Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample

Decision Level Concentration (Radiochemistry) DLC

Estimated Detection Limit (Dioxin) **EDL** LOD Limit of Detection (DoD/DOE) LOQ Limit of Quantitation (DoD/DOE)

MCL EPA recommended "Maximum Contaminant Level" MDA Minimum Detectable Activity (Radiochemistry) MDC Minimum Detectable Concentration (Radiochemistry)

MDL Method Detection Limit MLMinimum Level (Dioxin) MPN Most Probable Number Method Quantitation Limit MQL

NC Not Calculated

ND Not Detected at the reporting limit (or MDL or EDL if shown)

NEG Negative / Absent POS Positive / Present

PQL Practical Quantitation Limit

PRES Presumptive QC **Quality Control**

RER Relative Error Ratio (Radiochemistry)

Reporting Limit or Requested Limit (Radiochemistry) RL

RPD Relative Percent Difference, a measure of the relative difference between two points

TEF Toxicity Equivalent Factor (Dioxin) **TEQ** Toxicity Equivalent Quotient (Dioxin)

TNTC Too Numerous To Count

Accreditation/Certification Summary

Client: Sigma Group Inc., The Project/Site: City of Milwaukee

Job ID: 440-273689-1

SDG: 11516

Laboratory: Eurofins Calscience Irvine

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
California	State	2706	06-30-21

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Chain of Custody Record

🥴 eurofins

Environment Testing TestAmerica

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Phone: 414-6	43-4200		-							8												Lab Sampling:		
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Login Sample Receipt Checklist

Client: Sigma Group Inc., The Job Number: 440-273689-1

SDG Number: 11516

Login Number: 273689 List Source: Eurofins Irvine

List Number: 1

Creator: Skinner, Alma D

Creator: Skinner, Alma D		
Question	Answer	Comment
Radioactivity wasn't checked or is = background as measured by a survey meter.</td <td>True</td> <td></td>	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

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