

January 20, 2023

Project #14411

Joseph J. Martinez  
 Hydrogeologist – Remediation and Redevelopment Program  
 Wisconsin Department of Natural Resources  
 1027 W. Saint Paul Avenue  
 Milwaukee, WI 53233

**RE.: Emerging Contaminants Evaluation**  
 Village of Whitefish Landfill  
 5201 W. Good Hope Road  
 Milwaukee, WI 53223  
 DNR BRRTS Activity #: 02-41-000254; FID #: 241218670

Dear Mr. Martinez:

On behalf of the Village of Whitefish Bay, The Sigma Group, Inc. (Sigma) is submitting this sampling plan for the evaluation of emerging contaminants at the Good Hope Landfill site ("Site") as requested by the Wisconsin Department of Natural Resources (WDNR) letter dated September 12, 2022. A desktop evaluation of the potential presence of emerging contaminants (per- and poly-fluoroalkyl substances [PFAS] and 1,4-dioxane) at the Site (submitted to WDNR in May 2022) concluded that there is insufficient information available to determine whether a release of PFAS occurred on the site. The desktop evaluation also indicated that 1,4-dioxane is likely present on the site due to the identification of 1,1,1-trichloroethylene (1,1,1-TCA) in the subsurface (according to the ITRC documents 1,4-dioxane was associated with the historical use of 1,1,1-TCA).

Sigma proposed to collect groundwater samples from select locations at the Site to evaluate the presence of emerging contaminants at the former landfill site. Considering the persistence of these compounds when released in the subsurface, analysis of groundwater samples would be an appropriate way to evaluate if release(s) had occurred at the site. Sigma propose to collect groundwater samples from the following well locations for laboratory analysis of PFAS and 1,4-dioxane (see attached site map and data table summarizing groundwater quality).

Proposed Sample Location	Screen Interval (ft-bgs)	Detected Constituents
MW-22	15.9 to 25.9	PCE, TCE, 1,1,1-DCA, 1,1-DCE, Cis-1,2-DCE, Vinyl Chloride
W-MW-11	20.6 to 25.6	PCE, TCE, 1,1,1-DCA, 1,1-DCA, 1,1-DCE, Cis-1,2-DCE, Vinyl Chloride
W-MW-10	23.3 to 28.3	PCE, TCE, 1,1,1-DCA, 1,1-DCA, 1,1-DCE, Cis-1,2-DCE, Vinyl Chloride

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**Groundwater Sampling and Analysis**

Sigma will purge and sample the selected monitoring wells (W-MW-10, W-MW-11, and MW-22) in accordance with Chapter NR 141. The groundwater samples collected will be submitted to the project laboratory for analysis of PFAS and 1,4-Dioxane. The PFAS groundwater samples will be analyzed for the 33 PFAS compounds currently listed by the WDNR by a laboratory certified by the WDNR for PFAS analysis.

The purge groundwater will be placed in 55-gallon drums and staged on-site until receipt of the laboratory analytical results. At that time, proper disposal of the staged purge water will be coordinated.

**Reporting**

Following completion of the proposed sampling activities, Sigma will prepare a letter report to document the completed site activities and present possible strategies to address identified contamination, as appropriate and ultimately move the site towards case closure. Following evaluation of groundwater quality results, Sigma may recommend collection of additional samples in areas where emerging contaminants are identified or suspected and, contaminant extents and potential risks are undefined.

Please let us know if you have any questions or need any additional information.

Sincerely,

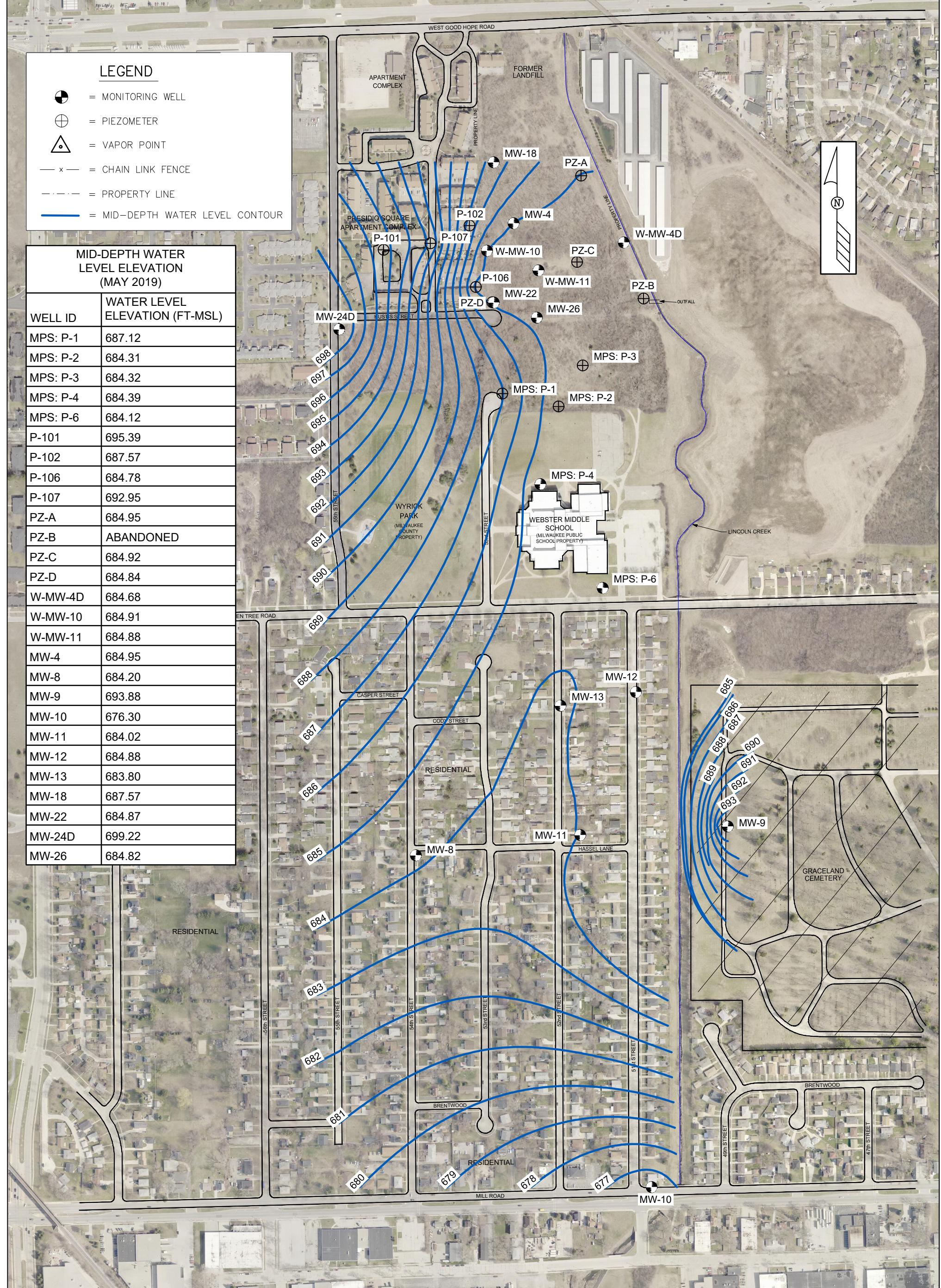
**THE SIGMA GROUP, INC.**



Mafizul Islam, P.E.  
Senior Engineer

Attachments: Figure 3 – Mid-depth Groundwater Elevation Contour Map (May 2019)

Table 6 – Groundwater Quality Data



## NOTES:

1. BOUNDARIES ARE APPROXIMATE.
  2. THIS MAP WAS DEVELOPED FROM A MILWAUKEE COUNTY MAP,  
THIENSVILLE QUADRANGLE TOPOGRAPHIC MAP, AND SURVEY DATA.

**PRESIDIO APARTMENTS/GOOD HOPE ROAD LANDFILL/  
MPS PROPERTY  
MILWAUKEE, WISCONSIN**

DATE: 11/3/20 DR. BY: JRS PR.# 14411

**THE  SIGMA**  
Single Source. Sound Solutions. GROUP

[www.thesigmagroup.com](http://www.thesigmagroup.com)  
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# MID-DEPTH GROUNDWATER ELEVATION CONTOUR MAP (MAY 2019)

SCALE: 1 = 400

## FIGURE 3

**Table 6**  
**Groundwater Quality Data**  
**Village of Whitefish Bay - Former Good Hope Road Landfill Site**  
**Sigma Project No. 14411**

MW-A		Screened Interval: 4 to 14 feet bgs												
Sampling Date Units:	Benzene µg/l	VOCs												TCE µg/l
		Carbon Tetrachloride µg/l	1,1-DCA µg/l	1,1-DCE µg/l	cis-1,2-DCE µg/l	trans-1,2-DCE µg/l	Ethylbenzene µg/l	Methylene Chloride µg/l	Naphthalene µg/l	PCE µg/l	Toluene µg/l	1,1,1-TCA µg/l		
NR 140 ES	5	5	850	7	70	100	700	5	40	5	1,000	200	5	0.2
NR 140 PAL	0.5	0.5	85	0.7	7	20	140	0.5	8	0.5	200	40	0.5	0.02
06/19/97	0.45	<0.23	<0.26	<0.28	<0.28	<0.25	<0.23	NA	NA	<0.27	<0.28	<0.27	<0.20	<0.23
04/21/98	0.44	NR	NR	<0.47	<0.90	NR	NR	NR	NR	<0.41	NR	NR	<0.49	<0.52
12/18/13														
06/25/14	<0.24	<0.33	<0.3	<0.4	<0.38	<0.35	<0.55	<0.5	<1.7	<0.33	<0.69	<0.33	<0.33	<0.18
05/13/19	<0.22	<0.31	<0.36	<0.42	<0.37	<0.34	<0.26	<1.32	<2.1	<0.38	<0.19	<0.33	<0.3	<0.2
WELL DRY - COULD NOT BE SAMPLED														
PZ-A		Screened Interval: 17 to 20 feet bgs												
Sampling Date Units:	Benzene µg/l	VOCs												TCE µg/l
		Carbon Tetrachloride µg/l	1,1-DCA µg/l	1,1-DCE µg/l	cis-1,2-DCE µg/l	trans-1,2-DCE µg/l	Ethylbenzene µg/l	Methylene Chloride µg/l	Naphthalene µg/l	PCE µg/l	Toluene µg/l	1,1,1-TCA µg/l		
NR 140 ES	5	5	850	7	70	100	700	5	40	5	1,000	200	5	0.2
NR 140 PAL	0.5	0.5	85	0.7	7	20	140	0.5	8	0.5	200	40	0.5	0.02
06/19/97	<b>2.1</b>	<0.23	<0.26	<0.28	0.64	<0.25	0.59	NA	NA	<b>1.0</b>	0.74	<0.27	<b>2</b>	<b>0.79</b>
04/21/98	<0.44	NR	NR	<0.47	2.7	NR	NR	NR	NR	<0.41	NR	NR	<0.49	<0.52
12/18/13	<0.24	<0.33	<0.3	<0.4	<0.38	<0.35	<0.55	<0.5	<1.7	<0.33	<0.69	<0.33	<0.33	<0.18
06/25/14	0.44 J	<0.33	<0.3	<0.4	<0.38	<0.35	<0.55	<0.5	<1.7	<0.33	<0.69	<0.33	<0.33	<b>0.30 J</b>
05/13/19	<0.22	<0.31	<0.36	<0.42	<0.37	<0.34	<0.26	<1.32	<2.1	<0.38	<0.19	<0.33	<0.3	<0.2
WELL DAMAGED - COULD NOT BE SAMPLED														
MW-B		Screened Interval: 4 to 14 feet bgs												
Sampling Date Units:	Benzene µg/l	VOCs												TCE µg/l
		Carbon Tetrachloride µg/l	1,1-DCA µg/l	1,1-DCE µg/l	cis-1,2-DCE µg/l	trans-1,2-DCE µg/l	Ethylbenzene µg/l	Methylene Chloride µg/l	Naphthalene µg/l	PCE µg/l	Toluene µg/l	1,1,1-TCA µg/l		
NR 140 ES	5	5	850	7	70	100	700	5	40	5	1,000	200	5	0.2
NR 140 PAL	0.5	0.5	85	0.7	7	20	140	0.5	8	0.5	200	40	0.5	0.02
06/19/97	<0.41	<0.23	<0.26	<0.28	0.34	<0.25	<0.23	NA	NA	<0.27	<0.28	<0.27	<0.20	<0.23
04/21/98	<0.44	NR	NR	<0.47	<0.90	NR	NR	NR	NR	<0.47	NR	NR	<0.49	<0.52
12/18/13														
WELL DAMAGED - COULD NOT BE SAMPLED														
PZ-B		Screened Interval: 18.5 to 23.5 feet bgs												
Sampling Date Units:	Benzene µg/l	VOCs												TCE µg/l
		Carbon Tetrachloride µg/l	1,1-DCA µg/l	1,1-DCE µg/l	cis-1,2-DCE µg/l	trans-1,2-DCE µg/l	Ethylbenzene µg/l	Methylene Chloride µg/l	Naphthalene µg/l	PCE µg/l	Toluene µg/l	1,1,1-TCA µg/l		
NR 140 ES	5	5	850	7	70	100	700	5	40	5	1,000	200	5	0.2
NR 140 PAL	0.5	0.5	85	0.7	7	20	140	0.5	8	0.5	200	40	0.5	0.02
06/19/97	<0.41	<0.23	<0.26	<0.28	0.48	<0.25	<0.23	NA	NA	<0.27	<0.28	<0.27	<0.20	<0.23
04/21/98	<0.44	NR	NR	<0.47	<0.90	NR	NR	NR	NR	<0.41	NR	NR	<0.47	<0.52
12/18/13														
WELL DAMAGED - COULD NOT BE SAMPLED														

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MW-C		Screened Interval: 5 to 15 feet bgs												
Sampling Date Units:	Benzene µg/l	VOCs												TCE µg/l
		Carbon Tetrachloride µg/l	1,1-DCA µg/l	1,1-DCE µg/l	cis-1,2-DCE µg/l	trans-1,2-DCE µg/l	Ethylbenzene µg/l	Methylene Chloride µg/l	Naphthalene µg/l	PCE µg/l	Toluene µg/l	1,1,1-TCA µg/l		
NR 140 ES	5	5	850	7	70	100	700	5	40	5	1,000	200	5	0.2
NR 140 PAL	0.5	0.5	85	0.7	7	20	140	0.5	8	0.5	200	40	0.5	0.02
06/19/97	<2.0	<1.2	<1.3	<1.4	270	3.4	<1.2	NA	NA	73	<1.4	<1.4	540	14
04/21/98	0.58	NR	NR	<0.47	51	NR	NR	NR	NR	81	NR	NR	13	3.1
WELL DRY														
12/18/13														
06/25/14	<0.24	<0.33	<0.3	<0.4	<0.38	<0.35	<0.55	<0.5	<1.7	<0.33	<0.69	<0.33	<0.33	<0.18
05/11/16	<0.44	<0.51	<1.1	<0.65	3.4	<0.54	<0.71	<1.3	<1.6	<0.49	<0.44	<0.84	1.21 J	0.26 J
06/29/17	<0.17	<0.21	<0.42	<0.46	<0.41	<0.35	<0.2	<0.94	<2.17	<0.48	<0.67	<0.35	<0.45	<0.19
05/22/18	<0.22	<0.31	<0.36	<0.42	4.5	<0.34	<0.26	<1.32	<2.1	0.52 J	<0.19	<0.33	2.29	0.34 J
05/13/19	<0.22	<0.31	<0.36	<0.42	0.82 J	<0.34	<0.26	<1.32	<2.1	0.4 J	<0.19	<0.33	1.02	<0.2
05/21/20	<0.33	<0.31	<0.46	<0.5	0.81 J	<0.37	<0.32	<1.32	<1.1	0.39 J	<0.26	<0.3	0.93 J	<0.2
PZ-C		Screened Interval: 21 to 26 feet bgs												
Sampling Date Units:	Benzene µg/l	VOCs												TCE µg/l
		Carbon Tetrachloride µg/l	1,1-DCA µg/l	1,1-DCE µg/l	cis-1,2-DCE µg/l	trans-1,2-DCE µg/l	Ethylbenzene µg/l	Methylene Chloride µg/l	Naphthalene µg/l	PCE µg/l	Toluene µg/l	1,1,1-TCA µg/l		
NR 140 ES	5	5	850	7	70	100	700	5	40	5	1,000	200	5	0.2
NR 140 PAL	0.5	0.5	85	0.7	7	20	140	0.5	8	0.5	200	40	0.5	0.02
06/19/97	<0.41	<0.23	0.89	0.62	110	2.3	<0.23	NA	NA	0.27	<0.28	<0.27	1.5	150
04/21/98	<0.44	NR	NR	0.8	200	NR	NR	NR	NR	<0.41	NR	NR	16	230
07/15/98	<0.44	NR	NR	<0.47	82	NR	NR	NR	NR	<0.41	NR	NR	0.89	150
12/18/13	<0.24	<0.33	<0.3	<0.4	4.5	<0.35	<0.55	<0.5	<1.7	<0.33	<0.69	<0.33	<0.33	8.8
06/25/14	<0.24	<0.33	<0.3	<0.4	37	<0.35	<0.55	<0.5	<1.7	<0.33	<0.69	<0.33	<0.33	34
09/29/15	<0.44	<0.51	<1.1	<0.65	6	<0.54	<0.71	<1.3	<1.6	<0.49	<0.44	<0.84	<0.47	11.3
05/11/16	<0.44	<0.51	<1.1	<0.65	25.2	<0.54	<0.71	<1.3	<1.6	<0.49	<0.44	<0.84	<0.47	27.9
06/29/17	<0.17	<0.21	<0.42	<0.46	20.9	<0.35	<0.2	<0.94	<2.17	<0.48	<0.67	<0.35	<0.45	37
05/22/18	<0.22	<0.31	<0.36	<0.42	22.1	<0.34	<0.26	<1.32	<2.1	<0.38	<0.19	<0.33	<0.3	24.9
05/13/19	<0.22	<0.31	0.72 J	0.56 J	63	<0.34	<0.26	<1.32	<2.1	<0.38	<0.19	<0.33	0.64 J	85
05/21/20	<0.33	<0.31	0.63 J	0.57 J	51	0.43 J	<0.32	<1.32	<1.1	<0.33	<0.26	<0.3	0.71 J	74

Table 6  
Groundwater Quality Data  
Village of Whitefish Bay - Former Good Hope Road Landfill Site  
Sigma Project No. 14411

MW-D	Screened Interval: 7 to 17 feet bgs													
	Sampling Date	VOCs												
Units:		Benzene	Carbon Tetrachloride	1,1-DCA	1,1-DCE	cis-1,2-DCE	trans-1,2-DCE	Ethylbenzene	Methylene Chloride	Naphthalene	PCE	Toluene	1,1,1-TCA	TCE
µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l
NR 140 ES	5	5	850	7	70	100	700	5	40	5	1,000	200	5	0.2
NR 140 PAL	0.5	0.5	85	0.7	7	20	140	0.5	8	0.5	200	40	0.5	0.02
06/19/97	<100	<58	<b>120</b>	<70	<b>26,000</b>	<b>62</b>	<b>1,800</b>	NA	NA	<b>4,500</b>	<b>660</b>	<b>400</b>	<b>9,900</b>	<b>520</b>
06/27/02	<86	<110	<110	<110	<b>21,000</b>	<120	<100	<120	<280	<b>460</b>	<130	<110	<b>1,400</b>	<b>280</b>
12/18/13														
06/25/14	<12	<16.5	<15	<20	<b>3,010</b>	<b>52 J</b>	<27.5	<25	<85	<b>980</b>	<34.5	<b>40 J</b>	<b>1,400</b>	<9
09/29/15	<22	<25.5	77 J	<b>66 J</b>	<b>158,000</b>	<b>1190</b>	<35.5	<65	<80	<b>920</b>	<22	<b>580</b>	<b>2,550</b>	<b>206</b>
12/17/15	<440	<530	<1100	<650	<b>28,900</b>	<b>&lt;540</b>	<710	<65	<80	<b>1330 J</b>	<440	<840	<b>1,640</b>	<170
05/11/16	<220	<255	<550	<325	<b>3,500</b>	<b>&lt;270</b>	<355	<650	<800	<b>950</b>	<220	<420	<b>1,250</b>	<b>165 J</b>
06/30/17	<8.5	<10.5	<21	<23	<b>940</b>	<b>54J</b>	<10	<47	<108.5	<b>410</b>	<33.5	19.5 J	<b>440</b>	<9.5
05/22/18	<2.2	<3.1	20.4	<b>33</b>	<b>35,000</b>	<b>580</b>	<2.6	<13.2	<21	<b>1,370</b>	<1.9	<b>220</b>	<b>2,260</b>	<b>7.4</b>
05/14/19	<44	<62	<72	<84	<b>19,200</b>	<b>168 J</b>	<b>184</b>	<264	<420	<b>960</b>	52 J	<b>380</b>	<b>760</b>	<40
05/22/20	<3.3	<3.1	<4.6	<5	<b>750</b>	19.9	3.3 J	<13.2	<11	<b>259</b>	<2.6	16.6	<b>201</b>	<2
05/22/20 DUP	<33	<31	<46	<50	<b>680</b>	<37	<32	<132	<110	<b>259</b>	<26	<30	<b>206</b>	<20

PZ-D	Screened Interval: 24.5 to 29.5 feet bgs													
	Sampling Date	VOCs												
Units:		Benzene	Carbon Tetrachloride	1,1-DCA	1,1-DCE	cis-1,2-DCE	trans-1,2-DCE	Ethylbenzene	Methylene Chloride	Naphthalene	PCE	Toluene	1,1,1-TCA	TCE
µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l
NR 140 ES	5	5	850	7	70	100	700	5	40	5	1,000	200	5	0.2
NR 140 PAL	0.5	0.5	85	0.7	7	20	140	0.5	8	0.5	200	40	0.5	0.02
06/19/97	<41	<23	81	<b>42</b>	<b>19,000</b>	<b>84</b>	36	NA	NA	<b>51</b>	<28	<27	<b>1,900</b>	<b>4,100</b>
06/27/02	<86	<110	<110	<110	<b>19,000</b>	<120	<100	<120	<280	<100	<130	<110	<b>5,000</b>	<b>3,500</b>
12/19/13	<24	<33	<30	<40	<b>3,700</b>	<b>42 J</b>	<55	<50	<170	<33	<69	<33	<33	<b>1,200</b>
12/19/13 DUP	<12	<16.5	<15	<20	<b>3,400</b>	<17.5	<27.5	<25	<85	<16.5	<34.5	<16.5	<16.5	<b>1,000</b>
06/25/14	<24	<33	<30	<40	<b>2,840</b>	<35	<55	<50	<170	<33	<69	<33	<16.5	<b>790</b>
09/29/15	<22	<25.5	<55	<32.5	<b>3,150</b>	<27	<35.5	<65	<80	<24.5	<22	<42	<23.5	<b>1,140</b>
05/11/16	<22	<25.5	<55	<32.5	<b>2,250</b>	<27	<35.5	<65	<80	<24.5	<22	<42	<23.5	<b>770</b>
06/30/17	<8.5	<10.5	<21	<21	<b>1,860</b>	<b>212</b>	<10	<47	<108.5	<24	<33.5	<17.5	54 J	<b>640</b>
05/22/18	<4.4	<6.2	7.6 J	<8.4	<b>3,600</b>	19.2 J	<5.2	<26.4	<42	<7.6	<3.8	<6.6	<b>55</b>	<b>790</b>
05/14/19	<4.4	<6.2	<7.2	<8.4	<b>6,200</b>	85	<5.2	<26.4	<42	<7.6	<3.8	<6.6	<b>360</b>	<b>1,050</b>
05/22/20	<16.5	<15.5	<23	<25	<b>4,400</b>	37 J	<16	<66	<55	<16.5	<13	<15	<b>233</b>	<b>620</b>

**Table 6**  
**Groundwater Quality Data**  
**Village of Whitefish Bay - Former Good Hope Road Landfill Site**  
**Sigma Project No. 14411**

MW-E	Screened Interval: 7 to 17 feet bgs													
Sampling Date	VOCs													
	Benzene µg/l	Carbon Tetrachloride µg/l	1,1-DCA µg/l	1,1-DCE µg/l	cis-1,2- DCE µg/l	trans-1,2- DCE µg/l	Ethylbenzene µg/l	Methylene Chloride µg/l	Naphthalen e µg/l	PCE µg/l	Toluene µg/l	1,1,1-TCA µg/l	TCE µg/l	Vinyl Chloride µg/l
NR 140 ES	5	5	850	7	70	100	700	5	40	5	1,000	200	5	0.2
NR 140 PAL	0.5	0.5	85	0.7	7	20	140	0.5	8	0.5	200	40	0.5	0.02
06/19/97	<8.2	<4.6	<5.2	<5.6	390	<5.0	<4.6	NA	NA	510	<5.6	<5.4	2,700	<4.6
06/27/02	<4.3	<5.6	<5.7	<5.7	140	<5.9	<4.9	<6.0	<14	290	<6.3	<5.7	330	<1.2
12/18/13	WELL DRY													
06/23/14	WELL DRY													
09/29/15	WELL DRY													
05/11/16	<22	<25.5	<55	<32.5	123	<27	<35.5	<65	<80	263	<22	<42	250	17 J
06/30/17	<1.7	<2.1	<4.2	<4.6	83	8.9 J	<2	<9.4	<21.7	181	<6.7	<3.5	132	<1.9
05/22/18	WELL DRY													
05/13/19	<0.22	<0.31	<0.36	<0.42	6.4	<0.34	<0.26	<1.32	<2.1	255	<.19	<.33	63	<0.2
05/22/20	<3.3	<3.1	<4.6	<5	<3.9	<3.7	<3.2	<13.2	<11	174	<2.6	<3	42	<2

MW-4	Screened Interval: 14.2 to 19.2 feet bgs													
Sampling Date	VOCs													
	Benzene µg/l	Carbon Tetrachloride µg/l	1,1-DCA µg/l	1,1-DCE µg/l	cis-1,2- DCE µg/l	trans-1,2- DCE µg/l	Ethylbenzene µg/l	Methylene Chloride µg/l	Naphthalen e µg/l	PCE µg/l	Toluene µg/l	1,1,1-TCA µg/l	TCE µg/l	Vinyl Chloride µg/l
NR 140 ES	5	5	850	7	70	100	700	5	40	5	1,000	200	5	0.2
NR 140 PAL	0.5	0.5	85	0.7	7	20	140	0.5	8	0.5	200	40	0.5	0.02
10/05/88	<1.0	<1.0	3.6	<1.0	NA	<1.0	<1.0	<1.0	NR	400	<1.0	<1.0	425	<1.0
11/10/88	<1.0	<1.0	<1.0	<1.0	NA	<1.0	<1.0	<1.0	NR	223	<1.0	<1.0	341	<1.0
04/19/89	<1.0	<1.0	6	2.3	NA	229	<1.0	<1.0	NR	110	<1.0	<1.0	264	<1.0
11/16/93	<0.2	<0.5	2.3	1.0	212	2.2	<1.0	<2.5	NR	87.1	<1.0	<0.5	104	38.7
06/07/96	NA	NA	ND	NA	190	ND	ND	NA	NR	1,400	ND	ND	1,100	18
06/20/97	<0.82	<0.46	1.6	0.72	150	0.92	<0.46	NA	NA	270	<0.56	<0.54	170	18
06/27/02	<4.3	<5.6	<5.7	<5.7	170	<5.9	<4.9	<6.0	<14	640	<6.3	<5.7	310	7.4
12/18/13	WELL COULD NOT BE LOCATED													
06/25/14	<2.4	<3.3	<3	<4	4.7 J	<3.5	<5.5	<5	<17	780	<6.9	<3.3	139	<1.8
09/29/15	<4.4	<5.1	<11	<6.5	61	<5.4	<7.1	<13	<16	89	<4.4	<8.4	54	27.7
05/11/16	<0.44	<0.51	<1.1	<0.65	29.7	3.4	<0.71	<1.3	<1.6	1480	<0.44	<0.84	224	<0.17
06/29/17	<1.7	<2.1	<4.2	<4.6	46	<3.5	<2	<9.4	<21.7	194	<6.7	<3.5	58	20.5
05/22/18	<0.22	<0.31	<0.36	<0.42	28.8	4.9	<0.26	<1.32	<2.1	1120	<0.19	<0.33	208	6.5
5/22/18 (DUP)	<44	<62	<72	<84	174 J	<68	<52	<264	<420	1090	<38	<66	280	<40
05/13/19	<2.2	<3.1	<3.6	<4.2	13.4	<3.4	<2.6	<13.2	<21	750	<1.9	<3.3	105	<2
05/21/20	<3.3	<3.1	<4.6	<5	9.6 J	<3.7	<3.2	<13.2	<11	590	<2.6	<3	81	<2

**Table 6**  
**Groundwater Quality Data**  
**Village of Whitefish Bay - Former Good Hope Road Landfill Site**  
**Sigma Project No. 14411**

MW-6		Screened Interval: 15.3 to 20.3 feet bgs												
Sampling Date Units:	Benzene µg/l	VOCs												
		Carbon Tetrachloride µg/l	1,1-DCA µg/l	1,1-DCE µg/l	cis-1,2-DCE µg/l	trans-1,2-DCE µg/l	Ethylbenzene µg/l	Methylene Chloride µg/l	Naphthalene µg/l	PCE µg/l	Toluene µg/l	1,1,1-TCA µg/l	TCE µg/l	Vinyl Chloride µg/l
NR 140 ES	5	5	850	7	70	100	700	5	40	5	1,000	200	5	0.2
NR 140 PAL	0.5	0.5	85	0.7	7	20	140	0.5	8	0.5	200	40	0.5	0.02
11/16/1993	0.3	<0.5	<0.5	<0.4	<b>0.9</b>	<0.5	<1.0	NA	NA	<0.5	<2.0	<0.5	<b>0.7</b>	<b>1.3</b>
6/7/1996	NA	NA	NA	ND	ND	ND	ND	NA	NA	ND	ND	ND	ND	
6/20/1997	<0.41	<0.23	<0.26	<0.28	0.45	<0.25	<0.23	NA	NA	<0.27	<0.28	<0.27	<0.20	<b>0.37</b>
04/21/98	<0.44	NR	NR	<0.47	<0.90	NR	NR	NR	NR	<0.41	NR	NR	<0.43	<b>0.99</b>
07/15/98	<0.44	NR	NR	<0.47	<1.1	NR	NR	NR	NR	<0.41	NR	NR	<0.49	<b>1.3</b>
WELL DRY														
12/18/13	<0.24	<0.33	<0.3	<0.4	<0.38	<0.35	<0.55	<0.5	<1.7	<0.33	<0.69	<0.33	<0.33	<0.18
06/26/14	<0.22	<0.31	<0.36	<0.42	<0.37	<0.34	<0.26	<1.32	<2.1	<0.38	<0.19	<0.33	<0.3	<0.2
05/22/18	<0.22	<0.31	<0.36	<0.42	<0.37	<0.34	<0.26	<1.32	<2.1	<0.38	<0.19	<0.33	<0.3	<0.2
05/13/19	<0.22	<0.31	<0.46	<0.5	0.39 J	<0.37	<0.32	<1.32	<1.1	<0.33	<0.26	<0.3	<0.47	<0.2
05/21/20	<0.33	<0.31	<0.46	<0.5										

W-MW-10		Screened Interval: 23.3 to 28.3 feet bgs												
Sampling Date Units:	Benzene µg/l	VOCs												
		Carbon Tetrachloride µg/l	1,1-DCA µg/l	1,1-DCE µg/l	cis-1,2-DCE µg/l	trans-1,2-DCE µg/l	Ethylbenzene µg/l	Methylene Chloride µg/l	Naphthalene µg/l	PCE µg/l	Toluene µg/l	1,1,1-TCA µg/l	TCE µg/l	Vinyl Chloride µg/l
NR 140 ES	5	5	850	7	70	100	700	5	40	5	1,000	200	5	0.2
NR 140 PAL	0.5	0.5	85	0.7	7	20	140	0.5	8	0.5	200	40	0.5	0.02
10/05/88	<1.0	<1.0	23	<b>46</b>	NR	<1.0	<1.0	<b>8.2</b>	NA	<b>138</b>	24	30	<b>2,630</b>	<1.0
11/10/88	<b>3.9</b>	<1.0	31	<b>54</b>	NR	<1.0	<1.0	<1.0	NA	<b>34</b>	3.4	<1.0	<b>877</b>	<1.0
04/19/89	<1.0	<1.0	18.8	<b>35.6</b>	NR	<b>10,400</b>	3.5	<1.0	NA	<b>477</b>	11.5	<1.0	<b>3,400</b>	<b>3,400</b>
11/16/93	0.3	<0.5	2.4	<b>2.3</b>	<b>61.8</b>	<b>20.2</b>	<1.0	<2.5	NA	<b>751</b>	<2.0	<0.5	<b>2,740</b>	<b>303</b>
06/07/96	NA	NA	ND	NA	<b>740</b>	ND	ND	NA	NA	<b>300</b>	ND	ND	<b>1,700</b>	<b>640</b>
06/20/97	<8.2	<4.6	<5.2	<5.6	<b>1,400</b>	19	<4.6	NA	NA	<b>460</b>	<5.6	<5.4	<b>2,000</b>	<b>620</b>
06/27/02	<43	<56	<57	<57	<b>17,000</b>	<59	87 "J"	<60	<140	<b>460</b>	<57	<73	<b>4,600</b>	
12/19/13	<24	<33	<30	<40	<b>820</b>	<35	<55	<50	<170	<33	<69	<33	<b>73 J</b>	<b>500</b>
06/25/14	<24	<33	<30	<40	<b>600</b>	<35	<55	<50	<170	<b>194</b>	<69	<33	<b>780</b>	<b>202</b>
09/29/15	<4.4	<5.1	<11	<6.5	<b>520</b>	7 J	<7.1	<13	<16	<b>8.8 J</b>	<4.4	<8.4	<b>220</b>	<b>168</b>
05/11/16	<4.4	<5.1	<11	<6.5	<b>153</b>	12.2 J	<7.1	<13	<16	<b>510</b>	<4.4	<8.4	<b>820</b>	<b>4.5 J</b>
06/29/17	<1.7	<2.1	<4.2	<4.6	<b>174</b>	9.0 J	<2	<9.4	<21.7	<b>314</b>	<6.7	<3.5	<b>600</b>	<b>8</b>
05/22/18	<2.2	<3.1	<3.6	<4.2	<b>530</b>	9.1 J	<2.6	<13.2	<21	<b>191</b>	<1.9	<3.3	<b>900</b>	<b>76</b>
05/13/19	<.22	<.31	<.36	<.42	<b>13.9</b>	<.34	<.26	<1.32	<2.1	<b>29.2</b>	<.19	<.33	<b>49</b>	<0.2
05/22/20	<0.33	<0.31	<0.46	0.51 J	<b>168</b>	5.4	<0.32	<1.32	<1.1	<b>215</b>	<0.26	<0.3	<b>420</b>	<b>3.5</b>

**Table 6**  
**Groundwater Quality Data**  
**Village of Whitefish Bay - Former Good Hope Road Landfill Site**  
**Sigma Project No. 14411**

W-MW-11		Screened Interval: 20.6 to 25.6 feet bgs												
Sampling Date	Units:	VOCs												
		Benzene µg/l	Carbon Tetrachloride µg/l	1,1-DCA µg/l	1,1-DCE µg/l	cis-1,2- DCE µg/l	trans-1,2- DCE µg/l	Ethylbenzene µg/l	Methylene Chloride µg/l	Naphthalen e µg/l	PCE µg/l	Toluene µg/l	1,1,1-TCA µg/l	TCE µg/l
NR 140 ES	5	5	850	7	70	100	700	5	40	5	1,000	200	5	0.2
NR 140 PAL	0.5	0.5	85	0.7	7	20	140	0.5	8	0.5	200	40	0.5	0.02
10/05/88	<1.0	<1.0	19.4	<b>18.7</b>	NA	<1.0	<1.0	<1.0	NA	<b>15.6</b>	3.6	27.9	<1.0	<1.0
11/10/88	<1.0	<1.0	20.6	<b>20.8</b>	NA	<1.0	<1.0	<1.0	NA	<b>9</b>	<1.0	<b>42.6</b>	<b>11.9</b>	<1.0
04/19/89	<b>3.6</b>	<1.0	30.2	<b>26</b>	NA	<b>9,130</b>	0.7	<1.0	NA	<b>11.8</b>	2.2	<b>48.4</b>	<b>69</b>	<b>825</b>
11/16/93	<b>1.1</b>	<0.5	22.9	<b>7</b>	<b>2,660</b>	<b>21.3</b>	39.8	<2.5	NA	<0.5	30.4	21.8	<b>7.2</b>	<b>1,750</b>
06/07/96	NA	NA	ND	NA	<b>28,000</b>	NA	<b>400</b>	NA	NA	ND	<b>1,000</b>	ND	ND	<b>7,500</b>
06/20/97	<41	<23	32	<28	<b>9,300</b>	<b>54</b>	45	NA	NA	<27	110	<27	<20	<b>2,100</b>
06/27/02	<86	<110	<110	<110	<b>1,300</b>	NA	<100	<120	<280	<b>1,300</b>	<130	<110	<b>3,900</b>	<b>400</b>
12/18/13	<24	<33	<30	<40	<b>4,300</b>	<35	<55	<50	<170	<33	<69	<33	<33	<b>254</b>
06/25/14	<24	<33	<30	<40	<b>20,300</b>	<b>128</b>	<55	<50	<170	<33	<b>281</b>	39 "J"	<33	<b>1,780</b>
09/29/15	<88	<102	<220	<130	<b>4,700</b>	<b>&lt;108</b>	<142	<260	<320	<98	<b>&lt;88</b>	<168	<94	<b>304</b>
05/11/16	<22	<25.5	<55	<32.5	<b>7,700</b>	<b>48 J</b>	<35.5	<65	<80	<b>104</b>	<b>&lt;22</b>	<42	<b>96</b>	<b>610</b>
06/30/17	<8.5	<10.5	<21	<23	<b>4,700</b>	<b>190</b>	<10	<47	<108.5	<24	<33.5	<17.5	<22.5	<b>470</b>
05/22/18	<11	<15.5	30.5 J	<21	<b>19,000</b>	<b>88</b>	<13	<66	<105	<19	13.5 J	<b>46 J</b>	<b>32 J</b>	<b>2,100</b>
05/14/19	<22	<31	<36	<42	<b>16,600</b>	<b>168</b>	<26	<132	<210	<38	40 J	<b>47 J</b>	<30	<b>3,600</b>
05/22/20	<33	<31	<46	<50	<b>2,230</b>	<b>55 J</b>	<32	<132	<110	<33	119	<30	<47	<b>181</b>

MW-18		Screened Interval: 15.7 to 25.7 feet bgs												
Sampling Date	Units:	VOCs												
		Benzene µg/l	Carbon Tetrachloride µg/l	1,1-DCA µg/l	1,1-DCE µg/l	cis-1,2- DCE µg/l	trans-1,2- DCE µg/l	Ethylbenzene µg/l	Methylene Chloride µg/l	Naphthalen e µg/l	PCE µg/l	Toluene µg/l	1,1,1-TCA µg/l	TCE µg/l
NR 140 ES	5	5	850	7	70	100	700	5	40	5	1,000	200	5	0.2
NR 140 PAL	0.5	0.5	85	0.7	7	20	140	0.5	8	0.5	200	40	0.5	0.02
04/19/88	<1.0	<1.0	4.8	0.4	NA	<b>106</b>	<1.0	<1.0	NA	<1.0	<1.0	<1.0	<b>9.4</b>	<1.0
11/16/93	0.2	<0.5	2.5	<0.4	<b>111</b>	1.8	<1.0	<2.5	NA	<0.5	<2.0	<0.5	<b>3.2</b>	<b>30.5</b>
06/07/96	NA	NA	ND	NA	<b>15</b>	NA	ND	NA	NA	ND	ND	ND	<b>1.4</b>	<b>2.3</b>
06/20/97	<0.41	<0.23	0.94	0.33	<b>83</b>	1.4	<0.23	NA	NA	<0.27	<0.28	<0.27	<b>3.2</b>	<b>11</b>
12/18/13	<0.24	<0.33	<0.3	<0.4	<b>39</b>	0.61 J	<0.55	<0.5	<1.7	<0.33	<0.69	<0.33	<b>0.50 J</b>	<b>15.4</b>
06/26/14	<0.24	<0.33	<0.3	<0.4	2.8	<0.35	<0.55	<0.5	<1.7	<0.33	<0.69	<0.33	<0.33	<b>0.84</b>
05/22/18	<0.22	<0.31	0.91 J	<0.42	<b>43.0</b>	0.83 J	<0.26	<1.32	<2.1	<0.38	<0.19	<0.33	<b>0.77 J</b>	<b>17.3</b>
05/13/19	<0.22	<0.31	0.74 J	<0.42	<b>31.4</b>	0.43 J	<0.26	<1.32	<2.1	<0.38	<0.19	<0.33	<b>0.49 J</b>	<b>10.3</b>
05/21/20	<0.33	<0.31	0.61 J	<0.5	<b>22.4</b>	0.72 J	<0.32	<1.32	<1.1	<0.33	<0.26	<0.3	<0.47	<b>6.4</b>

**Table 6**  
**Groundwater Quality Data**  
**Village of Whitefish Bay - Former Good Hope Road Landfill Site**  
**Sigma Project No. 14411**

MW-22		Screened Interval: 15.9 to 25.9 feet bgs												
Sampling Date	Units:	VOCs												
		Benzene µg/l	Carbon Tetrachloride µg/l	1,1-DCA µg/l	1,1-DCE µg/l	cis-1,2-DCE µg/l	trans-1,2-DCE µg/l	Ethylbenzene µg/l	Methylene Chloride µg/l	Naphthalene µg/l	PCE µg/l	Toluene µg/l	1,1,1-TCA µg/l	TCE µg/l
NR 140 ES	5	5	850	7	70	100	700	5	40	5	1,000	200	5	0.2
NR 140 PAL	0.5	0.5	85	0.7	7	20	140	0.5	8	0.5	200	40	0.5	0.02
04/19/89	<b>16.8</b>	ND	<b>165</b>	<b>82.3</b>	NA	<b>22,200</b>	24.7	<1	NA	<b>36.4</b>	25.3	<1	<b>1,180</b>	<b>2,490</b>
11/16/93	<b>13.8</b>	<b>20.1</b>	<b>153</b>	<b>58.7</b>	<b>1,830</b>	<b>195</b>	<b>3,680</b>		NA	<b>823</b>	<b>2,310</b>	<b>468</b>	<b>1,720</b>	<b>770</b>
06/27/95	<40	NA	<100	<80	<b>17,400</b>	<100	<b>12,600</b>		NA	<b>7,290</b>	<b>1,360</b>	<b>251</b>	<b>13,400</b>	<b>3,460</b>
06/07/96	<600	<1000	<1000	<1000		<b>73,000</b>	<1000	<b>5,100</b>	<1000	<b>4,100</b>	<b>3,100</b>	<b>1,100</b>	<b>83,000</b>	<b>2,800</b>
12/18/13														
6/25/14	<200	<165	<150	<200	<b>19,900</b>	<175	<275	<250	<850	<165	<345	<165	<b>480 "J"</b>	<b>500</b>
9/29/15	<88	<102	<220	<130	<b>4,200</b>	<108	<142	<260	<320	<98	<88	<168	<94	<b>920</b>
5/11/16	<22	<25.5	<55	<32.5	<b>4,900</b>	38 J	<35.5	<65	<80	<24.5	<22	<42	<b>48 J</b>	<b>670</b>
6/30/17	<8.5	<10.5	<21	<23	<b>6,300</b>	<b>304</b>	<10	<47	<108.5	<24	<33.5	<17.5	<b>75</b>	<b>810</b>
5/22/18	<11	<15.5	<18	<21	<b>5,000</b>	<b>24 J</b>	<13	<66	<105	<19	<9.5	<16.5	<b>106</b>	<b>660</b>
5/14/19	< 11	< 15.5	< 12.5	< 21	<b>4,200</b>	<b>68</b>	< 13	< 66	< 105	<b>46 J</b>	< 9.5	<b>42 J</b>	<b>102</b>	<b>36</b>
5/22/20	<16.5	<15.5	<23		<b>27 J</b>	<b>13,600</b>	92	<16	<66	<55	<b>21 J</b>	<13	<b>206</b>	<b>430</b>
11/16/93	<0.2	<0.5	<0.5	<0.4	<0.5	<0.5	<1.0	NA	NA	<0.5	<2.0	<0.5	<b>0.5</b>	<0.2
06/07/96	<0.6	NA	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA	<1.0	<1.0	<1.0	<1.0	<1.0
08/18/98	<0.27	NA	<0.35	<0.43	0.7	<0.79	0.43	<0.36	NA	1.2	0.29	<0.30	1.2	<0.20
07/20/06														
12/18/13														
06/24/14	<0.24	< 0.31	< 0.3	< 0.4	< 0.38	< 0.35	< 0.55	< 0.5	< 1.7	< 0.33	< 0.69	< 0.33	< 0.33	< 0.18
05/15/19	< 0.22	< 0.31	< 0.36	< 0.42	< 0.37	< 0.34	< 0.26	< 1.32	< 2.1	< 0.38	< 0.19	< 0.33	< 0.3	< 0.2
MW-24S		Screened Interval: 7.7 to 12.7 feet bgs												
Sampling Date	Units:	VOCs												
		Benzene µg/l	Carbon Tetrachloride µg/l	1,1-DCA µg/l	1,1-DCE µg/l	cis-1,2-DCE µg/l	trans-1,2-DCE µg/l	Ethylbenzene µg/l	Methylene Chloride µg/l	Naphthalene µg/l	PCE µg/l	Toluene µg/l	1,1,1-TCA µg/l	TCE µg/l
NR 140 ES	5	5	850	7	70	100	700	5	40	5	1,000	200	5	0.2
NR 140 PAL	0.5	0.5	85	0.7	7	20	140	0.5	8	0.5	200	40	0.5	0.02
11/16/93	<0.2	<0.5	<0.5	<0.4	<0.5	<0.5	<1.0	NA	NA	<0.5	<2.0	<0.5	<b>0.5</b>	<0.2
06/07/96	<0.6	NA	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA	<1.0	<1.0	<1.0	<1.0	<1.0
08/18/98	<0.27	NA	<0.35	<0.43	0.7	<0.79	0.43	<0.36	NA	1.2	0.29	<0.30	1.2	<0.20
07/20/06														
12/18/13														
06/24/14	<0.24	< 0.31	< 0.3	< 0.4	< 0.38	< 0.35	< 0.55	< 0.5	< 1.7	< 0.33	< 0.69	< 0.33	< 0.33	< 0.18
05/15/19	< 0.22	< 0.31	< 0.36	< 0.42	< 0.37	< 0.34	< 0.26	< 1.32	< 2.1	< 0.38	< 0.19	< 0.33	< 0.3	< 0.2
MW-24D		Screened Interval: 17.8 to 22.8 feet bgs												
Sampling Date	Units:	VOCs												
		Benzene µg/l	Carbon Tetrachloride µg/l	1,1-DCA µg/l	1,1-DCE µg/l	cis-1,2-DCE µg/l	trans-1,2-DCE µg/l	Ethylbenzene µg/l	Methylene Chloride µg/l	Naphthalene µg/l	PCE µg/l	Toluene µg/l	1,1,1-TCA µg/l	TCE µg/l
NR 140 ES	5	5	850	7	70	100	700	5	40	5	1,000	200	5	0.2
NR 140 PAL	0.5	0.5	85	0.7	7	20	140	0.5	8	0.5	200	40	0.5	0.02
11/16/93	<0.2	<0.50	<0.50	<0.40	<0.50	<0.5	<1.0	<2.5	NA	<0.5	5.9	<0.5	<0.3	<0.2
06/07/96	<0.6	NA	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA	<1.0	<1.0	<1.0	<1.0	<1.0
08/18/98	<0.27	NA	<0.35	<0.43	0.96	<0.79	0.68	<0.36	NA	<b>2.1</b>	0.45	<0.30	5.4	<0.20
07/20/06	<0.2	<0.5	<0.5	3	<0.5	<0.5	<0.5	<1.0	<0.25	<0.5	<0.2	<0.5	<0.2	<0.2
06/24/14	<0.24	<0.3	<0.4	<0.38	<0.35	<0.55	<0.5	<1.7	<0.33	<0.69	<0.33	<0.33	<0.18	
05/14/19	<0.22	<0.31	<0.36	<0.42	<0.37	<0.34	<0.26	<1.32	<2.1	<0.38	<0.19	<0.33	<0.3	<0.2

**Table 6**  
**Groundwater Quality Data**  
**Village of Whitefish Bay - Former Good Hope Road Landfill Site**  
**Sigma Project No. 14411**

MW-26		Screened Interval: 12 to 22 feet bgs														
Sampling Date Units:		VOCs														
		Benzene µg/l	Carbon Tetrachloride µg/l	1,1-DCA µg/l	1,1-DCE µg/l	cis-1,2-DCE µg/l	trans-1,2-DCE µg/l	Ethylbenzene µg/l	Methylene Chloride µg/l	Naphthalene µg/l	PCE µg/l	Toluene µg/l	1,1,1-TCA µg/l	TCE µg/l	Vinyl Chloride µg/l	
NR 140 ES		5	5	850	7	70	100	700	5	40	5	1,000	200	5	0.2	
NR 140 PAL		0.5	0.5	85	0.7	7	20	140	0.5	8	0.5	200	40	0.5	0.02	
06/27/95		<20	<50	<50	<40	<b>3,070</b>		<50	<100	NA	<50	<200	<50	<20	<b>712</b>	
06/07/96		NA	NA	ND	NA	<b>1,100</b>		ND	NA	NA	ND	NA	ND	ND	<b>690</b>	
06/20/97		<4.1	<2.3	<2.6	<2.8	<b>1,000</b>		9	<2.3	NA	<2.7	<2.8	<2.7	<2.0	<b>350</b>	
06/27/02		<2.2	<2.8	<2.9	<2.9	<b>220</b>		<3.0	<2.5	<3.0	<7.0	<2.5	<3.2	<2.9	<3.7	<b>160</b>
12/18/13		<12	<16.5	<15	<20	<b>1,280</b>		<17.5	<27.5	<25	<85	<16.5	<34.5	<16.5	<b>560</b>	
12/18/13 DUP		<2.4	<3.3	<3	<4	<b>1,270</b>		5.1 J	<5.5	<5	<17	<3.3	<6.9	<3.3	<b>560</b>	
06/25/14		<0.24	<0.33	<0.3	<0.4	0.76 J		<0.35	<0.55	<0.5	<1.7	<0.33	<0.69	<0.33	<0.33	<0.18
09/29/15		0.44 J	<0.51	2.54 J	<b>1.63 J</b>	<b>2,040</b>		35	<0.71	<1.3	<1.6	<b>1.01 J</b>	<0.44	<0.874	<b>10.4</b>	<b>440</b>
06/24/16		<0.88	<10.2	<22	<13	<b>82</b>		<10.8	<14.2	<26	<32	<9.8	<8.8	<0.874	<9.4	<b>66</b>
06/29/17		<0.17	<0.21	<0.42	<0.46	0.63 J		<0.35	<0.2	<0.94	<2.17	<0.48	<0.67	<0.35	<0.45	<b>0.20 J</b>
05/22/18		<0.22	<0.31	<0.36	<0.42	1.85		<0.34	<0.26	<1.32	<2.1	<0.38	<0.19	<0.33	0.38 J	<0.2
05/13/19		<0.22	<0.31	<0.36	<0.42	<0.37		<0.34	<0.26	<1.32	<2.1	<0.38	<0.19	<0.33	<0.3	<0.2
05/22/20		<0.33	<0.31	<0.46	<0.5	<0.39		<0.37	<0.32	<1.32	<1.1	<0.33	<0.26	<0.3	<0.47	<0.2

W-MW-1S		Screened Interval: 5 to 15 feet bgs													
Sampling Date Units:		VOCs													
		Benzene µg/l	Carbon Tetrachloride µg/l	1,1-DCA µg/l	1,1-DCE µg/l	cis-1,2-DCE µg/l	trans-1,2-DCE µg/l	Ethylbenzene µg/l	Methylene Chloride µg/l	Naphthalene µg/l	PCE µg/l	Toluene µg/l	1,1,1-TCA µg/l	TCE µg/l	Vinyl Chloride µg/l
NR 140 ES		5	5	850	7	70	100	700	5	40	5	1,000	200	5	0.2
NR 140 PAL		0.5	0.5	85	0.7	7	20	140	0.5	8	0.5	200	40	0.5	0.02
4/21/1998		<0.44	NA	NA	<0.47	NA	NA	NA	NA	NA	<0.41	NA	NA	<0.49	<0.52
7/15/1998		<0.44	NA	NA	<0.47	<0.9	NA	NA	NA	NA	<0.41	NA	NA	<0.49	<0.52

WELL REMOVED IN EARLY 2000

W-MW-2S		Screened Interval: 5 to 15 feet bgs													
Sampling Date Units:		VOCs													
		Benzene µg/l	Carbon Tetrachloride µg/l	1,1-DCA µg/l	1,1-DCE µg/l	cis-1,2-DCE µg/l	trans-1,2-DCE µg/l	Ethylbenzene µg/l	Methylene Chloride µg/l	Naphthalene µg/l	PCE µg/l	Toluene µg/l	1,1,1-TCA µg/l	TCE µg/l	Vinyl Chloride µg/l
NR 140 ES		5	5	850	7	70	100	700	5	40	5	1,000	200	5	0.2
NR 140 PAL		0.5	0.5	85	0.7	7	20	140	0.5	8	0.5	200	40	0.5	0.02
4/21/1998		<0.44	NA	NA	<0.47	<0.9	NA	NA	NA	NA	<0.41	NA	NA	<0.49	<0.52
7/15/1998		<0.44	NA	NA	<0.47	<0.9	NA	NA	NA	NA	<0.41	NA	NA	<0.49	<0.52

WELL REMOVED IN EARLY 2000

W-MW-3S		Screened Interval: 3 to 13 feet bgs													
Sampling Date Units:		VOCs													
		Benzene µg/l	Carbon Tetrachloride µg/l	1,1-DCA µg/l	1,1-DCE µg/l	cis-1,2-DCE µg/l	trans-1,2-DCE µg/l	Ethylbenzene µg/l	Methylene Chloride µg/l	Naphthalene µg/l	PCE µg/l	Toluene µg/l	1,1,1-TCA µg/l	TCE µg/l	Vinyl Chloride µg/l
NR 140 ES		5	5	850	7	70	100	700	5	40	5	1,000	200	5	0.2
NR 140 PAL		0.5	0.5	85	0.7	7	20	140	0.5	8	0.5	200	40	0.5	0.02
4/21/1998		<0.44	NA	NA	<0.47	NA	NA	NA	NA	NA	<0.41	NA	NA	<0.49	<0.52
7/15/1998		<0.44	NA	NA	<0.47	<0.9	NA	NA	NA	NA	<0.41	NA	NA	<0.63	<0.52

WELL REMOVED IN EARLY 2000

**Table 6**  
**Groundwater Quality Data**  
**Village of Whitefish Bay - Former Good Hope Road Landfill Site**  
**Sigma Project No. 14411**

W-MW-4S		Screened Interval: 5 to 15 feet bgs												
Sampling Date	Units:	VOCs												
		Benzene µg/l	Carbon Tetrachloride µg/l	1,1-DCA µg/l	1,1-DCE µg/l	cis-1,2- DCE µg/l	trans-1,2- DCE µg/l	Ethylbenzene µg/l	Methylene Chloride µg/l	Naphthalen e µg/l	PCE µg/l	Toluene µg/l	1,1,1-TCA µg/l	TCE µg/l
NR 140 ES	5	5	850	7	70	100	700	5	40	5	1,000	200	5	0.2
NR 140 PAL	0.5	0.5	85	0.7	7	20	140	0.5	8	0.5	200	40	0.5	0.02
4/21/1998	<0.44	NA	NA	<0.47	NA	NA	NA	NA	NA	<0.41	NA	NA	<0.49	<0.52
7/15/1998	<0.44	NA	NA	<0.47	<0.9	NA	NA	NA	NA	<0.41	NA	NA	<0.49	<0.52
12/18/2013	<0.24	<0.33	<0.3	<0.4	<0.38	<0.35	<0.55	<0.5	<1.7	<0.33	<0.69	<0.33	<0.33	<0.18
6/26/2014	<0.24	<0.33	<0.3	<0.4	<0.38	<0.35	<0.55	<0.5	<1.7	<0.33	<0.69	<0.33	<0.33	<0.18
5/13/2019	<0.22	<0.31	<0.36	<0.42	<0.37	<0.34	<0.26	<1.32	<2.1	<0.38	<0.19	<0.33	<0.3	<0.2

W-MW-4D		Screened Interval: 15 to 20 feet bgs												
Sampling Date	Units:	VOCs												
		Benzene µg/l	Carbon Tetrachloride µg/l	1,1-DCA µg/l	1,1-DCE µg/l	cis-1,2- DCE µg/l	trans-1,2- DCE µg/l	Ethylbenzene µg/l	Methylene Chloride µg/l	Naphthalen e µg/l	PCE µg/l	Toluene µg/l	1,1,1-TCA µg/l	TCE µg/l
NR 140 ES	5	5	850	7	70	100	700	5	40	5	1,000	200	5	0.2
NR 140 PAL	0.5	0.5	85	0.7	7	20	140	0.5	8	0.5	200	40	0.5	0.02
4/21/1998	<0.44	NA	NA	<0.47	<0.90	NA	NA	NA	NA	<0.41	NA	NA	<0.49	<0.52
7/15/1998	<0.44	NA	NA	<0.47	1.3	NA	NA	NA	NA	<0.41	NA	NA	<0.49	<0.52
12/18/13	<0.24	<0.33	<0.3	<0.4	0.43 J	0.35	<0.55	<0.5	<1.7	<0.33	<0.69	<0.33	<0.33	<0.18
06/26/14	<0.24	<0.33	<0.3	<0.4	<0.38	<0.35	<0.55	<0.5	<1.7	<0.33	<0.69	<0.33	<0.33	<0.18
05/13/19	<0.22	<0.31	<0.36	<0.42	<0.37	<0.34	<0.26	<1.32	<2.1	<0.38	<0.19	<0.33	<0.3	<0.2

W-MW-5S		Screened Interval: 5 to 15 feet bgs												
Sampling Date	Units:	VOCs												
		Benzene µg/l	Carbon Tetrachloride µg/l	1,1-DCA µg/l	1,1-DCE µg/l	cis-1,2- DCE µg/l	trans-1,2- DCE µg/l	Ethylbenzene µg/l	Methylene Chloride µg/l	Naphthalen e µg/l	PCE µg/l	Toluene µg/l	1,1,1-TCA µg/l	TCE µg/l
NR 140 ES	5	5	850	7	70	100	700	5	40	5	1,000	200	5	0.2
NR 140 PAL	0.5	0.5	85	0.7	7	20	140	0.5	8	0.5	200	40	0.5	0.02
4/21/1998	<0.44	NA	NA	<0.47	NA	NA	NA	NA	NA	<0.41	NA	NA	<0.49	<b>22</b>
7/15/1998	<0.44	NA	NA	<0.47	<b>12</b>	NA	NA	NA	NA	<0.41	NA	NA	<b>1.2</b>	<b>43</b>
12/18/2013 **	<0.24	<0.33	<0.3	<0.4	<b>19</b>	0.45 J	<0.55	<0.5	<1.7	<b>1.67</b>	<0.69	<0.33	<b>14</b>	<b>8.6</b>
06/26/14	<0.24	<0.33	<0.3	<0.4	5.7	<0.35	<0.55	<0.5	<1.7	<b>1.87</b>	<0.69	<0.33	<b>15</b>	<b>1.3</b>
09/29/15	<0.44	<0.51	<1.1	<0.65	<b>25.2</b>	<0.54	<0.71	<1.3	<1.6	<b>0.69 J</b>	<0.44	<0.33	<b>8.4</b>	<b>52</b>
05/11/16	<0.44	<0.51	<1.1	<0.65	<b>8.6</b>	0.84 J	<0.71	<1.3	<1.6	<b>3.3</b>	<0.44	<0.33	<b>26.1</b>	<b>4.7</b>
06/29/17	<0.17	<0.21	<1.1	<0.42	<0.46	<0.42	<0.2	<0.94	<2.17	<b>4.7</b>	<0.37	<0.35	<b>27.7</b>	<0.19
05/22/18	<0.22	<0.31	<0.36	<0.42	5.9	<0.34	<0.26	<1.32	<2.1	<b>4.4</b>	<0.19	<0.33	<b>25.7</b>	<0.2
05/13/19	<0.22	<0.31	<0.36	<0.42	1.57	<0.34	<0.26	<1.32	<2.1	<b>4.0</b>	<0.19	<0.33	<b>18.3</b>	<0.2
05/22/20	<0.33	<0.31	<0.46	<0.5	3.3	<0.37	<0.32	<1.32	<1.1	<b>0.89 J</b>	<0.26	<0.3	<b>3.3</b>	<b>3.6</b>

**Table 6**  
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MPS MW-1	Screened Interval: 6 to 16 feet bgs													
	VOCs													
Sampling Date	Benzene µg/l	Carbon Tetrachloride µg/l	1,1-DCA µg/l	1,1-DCE µg/l	cis-1,2-DCE µg/l	trans-1,2-DCE µg/l	Ethylbenzene µg/l	Methylene Chloride µg/l	Naphthalene µg/l	PCE µg/l	Toluene µg/l	1,1,1-TCA µg/l	TCE µg/l	Vinyl Chloride µg/l
NR 140 ES	5	5	850	7	70	100	700	5	40	5	1,000	200	5	0.2
NR 140 PAL	0.5	0.5	85	0.7	7	20	140	0.5	8	0.5	200	40	0.5	0.02
08/19/98	<0.27	NA	<0.35	<0.43	<0.28	<0.79	<0.32	<0.36	<0.35	<0.43	<0.27	<0.30	<0.37	<0.20
12/08/00	<0.10	NA	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.10	<0.25	<0.25	<0.25
12/18/13														
WELL NO LONGER EXISTS														

MPS P-1/P-1R	Screened Interval: 25 to 30 feet bgs													
	VOCs													
Sampling Date	Benzene µg/l	Carbon Tetrachloride µg/l	1,1-DCA µg/l	1,1-DCE µg/l	cis-1,2-DCE µg/l	trans-1,2-DCE µg/l	Ethylbenzene µg/l	Methylene Chloride µg/l	Naphthalene µg/l	PCE µg/l	Toluene µg/l	1,1,1-TCA µg/l	TCE µg/l	Vinyl Chloride µg/l
NR 140 ES	5	5	850	7	70	100	700	5	40	5	1,000	200	5	0.2
NR 140 PAL	0.5	0.5	85	0.7	7	20	140	0.5	8	0.5	200	40	0.5	0.02
08/19/98	<5.4	NA	8.4	<8.6	<b>2,600</b>	<16	<6.4	<7.2	<7.0	<8.6	<5.4	<6.0	<7.4	<b>820</b>
01/21/99	<6.8	NA	11	<11	<b>3,200</b>	<20	<8.0	<9.0	<8.8	<11	<6.8	<7.5	<9.2	<b>1,100</b>
12/08/00	<10	NA	<25	<25	<b>3,200</b>	<25	<25	<25	<25	<25	<10	<25	<25	<b>1,600</b>
12/00 Dup.	<10	NA	<25	<25	<b>3,100</b>	<25	<25	<25	<25	<25	<10	<25	<25	<b>1,400</b>
WELL P-1 NO LONGER EXISTS; REPLACEMENT WELL P-1R INSTALLED IN FALL 2015														
12/18/13														
09/29/15	<22	<25.5	<55	<32.5	<b>1,600</b>	<27	<35.5	<65	<80	<24.5	<22	<42	<23.5	<b>780</b>
05/11/16	<8.8	<10.2	<22	<13	<b>1,200</b>	<10.8	<14.2	<26	<32	<9.8	<8.8	<16.8	<9.4	<b>410</b>
06/29/17	<0.17	<0.21	<0.42	<0.46	<b>1040</b>	43	<0.2	<0.94	<2.17	<0.48	<0.67	<0.35	<0.45	<b>440</b>
05/22/18	<2.2	<3.1	3.6 J	<4.2	<b>1470</b>	64 J	<2.6	<13.2	<6.1	<3.8	<1.9	<3.3	<3	<b>560</b>
05/14/19	<2.2	<3.1	8.1 J	<4.2	<b>2260</b>	10.4 J	<2.6	<13.2	<21	<3.8	<1.9	<3.3	<3	<b>930</b>
05/21/20	<6.6	<6.2	<9.2	<10	<b>1800</b>	13.2 J	<6.4	<26.4	<22	<6.6	<5.2	<6	<9.4	<b>600</b>

**Table 6**  
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MPS MW-2	Screened Interval: 8 to 18 feet bgs													
	VOCs													
Sampling Date	Benzene µg/l	Carbon Tetrachloride µg/l	1,1-DCA µg/l	1,1-DCE µg/l	cis-1,2-DCE µg/l	trans-1,2-DCE µg/l	Ethylbenzene µg/l	Methylene Chloride µg/l	Naphthalene µg/l	PCE µg/l	Toluene µg/l	1,1,1-TCA µg/l	TCE µg/l	Vinyl Chloride µg/l
NR 140 ES	5	5	850	7	70	100	700	5	40	5	1,000	200	5	0.2
NR 140 PAL	0.5	0.5	85	0.7	7	20	140	0.5	8	0.5	200	40	0.5	0.02
12/18/13														
06/23/14														

MPS P-2	Screened Interval: 25.6 to 30.6 feet bgs													
	VOCs													
Sampling Date	Benzene µg/l	Carbon Tetrachloride µg/l	1,1-DCA µg/l	1,1-DCE µg/l	cis-1,2-DCE µg/l	trans-1,2-DCE µg/l	Ethylbenzene µg/l	Methylene Chloride µg/l	Naphthalene µg/l	PCE µg/l	Toluene µg/l	1,1,1-TCA µg/l	TCE µg/l	Vinyl Chloride µg/l
NR 140 ES	5	5	850	7	70	100	700	5	40	5	1,000	200	5	0.2
NR 140 PAL	0.5	0.5	85	0.7	7	20	140	0.5	8	0.5	200	40	0.5	0.02
08/19/98	<2.7	NA	5.2	<4.3	<b>1,000</b>		8.9	<3.2	<b>3.7</b>	<3.5	<4.3	<2.7	<3.0	<3.7
01/21/99	<5.4	NA	8.2	<8.6	<b>1,900</b>		<16	<6.4	<7.2	<7.0	<8.6	<5.4	<6.0	<7.4
06/27/02	<22	<28	<29	<29	<b>1,400</b>		<30	<25	<30	<70	<25	<32	<29	<37
06/25/13	<4.8	<6.6	<6	<8	<b>740</b>		<7	<11	<10	<34	<6.6	<13.8	<6.6	<b>600</b>
12/18/13	<4.8	<6.6	<6	<8	<b>1,080</b>		<7	<11	<10	<34	<6.6	<13.8	<6.6	<b>940</b>
06/25/14	<4.8	<6.6	<6	<8	<b>1,530</b>		<7	<11	<10	<34	<6.6	<13.8	<6.6	<b>670</b>
09/29/15	<4.4	<5.1	<11	<6.5	<b>1,290</b>		6.6 J	<7.1	<13	<16	<4.9	<4.4	<8.4	<4.7
05/13/16	<4.4	<5.1	<11	<6.5	<b>780</b>		6.4 J	<7.1	<13	<16	<4.9	<4.4	<8.4	<b>590</b>
06/28/17	<0.17	<0.21	<0.42	<0.46	<b>410</b>		<b>18.3</b>	<0.2	<0.94	<2.17	<0.48	<0.67	<0.35	<0.45
05/22/18	<2.2	<3.1	3.8 J	<4.2	<b>1420</b>		6.5 J	<2.6	<13.2	<21	<3.8	<1.9	<3.3	<3
05/14/19	<2.2	<3.1	4.2 J	<4.2	<b>950</b>		9.6 J	<2.6	<13.2	<21	<3.8	<1.9	<3.3	<3
05/21/20	<3.3	<3.1	<4.6	<5	<b>1150</b>		7.8 J	<3.2	<13.2	<11	<3.3	<2.6	<3	<4.7

**Table 6**  
**Groundwater Quality Data**  
**Village of Whitefish Bay - Former Good Hope Road Landfill Site**  
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<b>MPS MW-3</b>		Screened Interval: 5 to 11 feet bgs												
Sampling Date Units:	Benzene µg/l	VOCs												TCE µg/l
		Carbon Tetrachloride µg/l	1,1-DCA µg/l	1,1-DCE µg/l	cis-1,2-DCE µg/l	trans-1,2-DCE µg/l	Ethylbenzene µg/l	Methylene Chloride µg/l	Naphthalene µg/l	PCE µg/l	Toluene µg/l	1,1,1-TCA µg/l	Vinyl Chloride µg/l	
NR 140 ES	5	5	850	7	70	100	700	5	40	5	1,000	200	5	0.2
NR 140 PAL	0.5	0.5	85	0.7	7	20	140	0.5	8	0.5	200	40	0.5	0.02
12/18/13														
06/25/14	<0.24	<0.33	<0.3	<0.4	<0.38	<0.35	<0.55	<0.5	<1.7	<0.33	<0.69	<0.33	<0.33	<0.18
05/14/19	<0.22	<0.31	<0.36	<0.42	<0.37	<0.34	<0.26	<1.32	<2.1	<0.38	<0.19	<0.33	<0.3	<0.2
05/21/20	<0.33	<0.31	<0.46	<0.5	<0.39	<0.37	<0.32	<1.32	<1.1	<0.33	<0.26	<0.3	<0.47	<0.2

<b>MPS P-3</b>		Screened Interval: 25 to 30 feet bgs												
Sampling Date Units:	Benzene µg/l	VOCs												TCE µg/l
		Carbon Tetrachloride µg/l	1,1-DCA µg/l	1,1-DCE µg/l	cis-1,2-DCE µg/l	trans-1,2-DCE µg/l	Ethylbenzene µg/l	Methylene Chloride µg/l	Naphthalene µg/l	PCE µg/l	Toluene µg/l	1,1,1-TCA µg/l	Vinyl Chloride µg/l	
NR 140 ES	5	5	850	7	70	100	700	5	40	5	1,000	200	5	0.2
NR 140 PAL	0.5	0.5	85	0.7	7	20	140	0.5	8	0.5	200	40	0.5	0.02
08/19/98	<0.54	NA	<0.70	<0.86	<b>320</b>	1.7	<0.64	<b>1.0</b>	<0.70	<0.86	<0.54	<0.60	<0.74	<b>150</b>
01/21/99	<0.54	NA	0.78	<0.86	<b>340</b>	3.7	<0.64	<0.72	<0.70	<0.86	<0.54	<0.60	<0.74	<b>240</b>
06/27/02	<22	<28	<29	<29	<b>2,200</b>	<30	<25	<30	<70	<25	<32	<29	<37	<b>1,500</b>
12/18/13	<0.24	<0.33	<0.3	<0.4	<b>91</b>	0.43 J	<0.55	<0.5	<1.7	<0.33	<0.69	<0.33	<0.33	<b>144</b>
06/25/14	<0.24	<0.33	<0.3	<0.4	<b>33</b>	0.37 J	<0.55	<0.5	<1.7	<0.33	<0.69	<0.33	<0.33	<b>0.59</b>
09/29/15	<0.44	<0.51	<1.1	<0.65	<b>89</b>	<0.54	<0.71	<1.3	<1.6	<0.49	<0.44	<0.84	<0.47	<b>83</b>
05/13/16	<0.44	<0.51	<1.1	<0.65	<b>20</b>	2.16	<0.71	<1.3	<1.6	<0.49	<0.44	<0.84	<0.47	<0.17
06/28/17	<0.17	<0.21	<0.42	<0.46	<b>26</b>	2.13	<0.2	<0.94	<2.17	<0.48	<0.67	<0.35	<0.45	<b>6</b>
05/22/18	<0.22	<0.31	<0.36	<0.42	<b>65</b>	<0.34	<0.26	<1.32	<2.1	<0.38	<0.19	<0.33	<0.3	<b>43</b>
05/14/19	<2.2	<3.1	<3.6	<4.2	<b>73</b>	3.8	<2.6	<13.2	<21	<3.8	<1.9	<3.3	<3	<b>40</b>
05/21/20	<0.33	<0.31	<0.46	<0.5	<b>136</b>	1.05 J	<0.32	<1.32	<1.1	<0.33	<0.26	<0.3	<0.47	<b>88</b>

**Table 6**  
**Groundwater Quality Data**  
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**Sigma Project No. 14411**

MPS P-4		Screened Interval: 28 to 33 feet bgs												
Sampling Date	Units:	VOCs												
		Benzene µg/l	Carbon Tetrachloride µg/l	1,1-DCA µg/l	1,1-DCE µg/l	cis-1,2-DCE µg/l	trans-1,2-DCE µg/l	Ethylbenzene µg/l	Methylene Chloride µg/l	Naphthalene µg/l	PCE µg/l	Toluene µg/l	1,1,1-TCA µg/l	TCE µg/l
NR 140 ES	5	5	850	7	70	100	700	5	40	5	1,000	200	5	0.2
NR 140 PAL	0.5	0.5	85	0.7	7	20	140	0.5	8	0.5	200	40	0.5	0.02
01/18/99	<2.7	NA	7.9	<4.3	<b>1,500</b>	11	<3.2	<b>7.2</b>	<3.5	<4.3	<2.7	<3.0	<3.7	<b>1,000</b>
12/08/00	<4.0	NA	<10	<10	<b>880</b>	<10	<10	<10	<10	<10	<4.0	<10	<10	<b>760</b>
06/27/02	<22	<28	<29	<29	<b>2,200</b>	<30	<25	<30	<70	<25	<32	<29	<37	<b>1,500</b>
06/25/13	<4.8	<6.6	<6	<8	<b>910</b>	<7	<11	<10	<34	<6.6	<13.8	<6.6	<6.6	<b>510</b>
12/17/13	<12	<16.5	<15	<20	<b>1,880</b>	<17.5	<27.5	<25	<85	<16.5	<34.5	<16.5	<16.5	<b>790</b>
12/17/13 DUP	<2.4	<3.3	<3	<4	<b>1,940</b>	15.7	<5.5	<5	<17	<3.3	<6.9	<3.3	<3.3	<b>700</b>
06/26/14	<4.8	<6.6	<6	<8	<b>1,350</b>	10.2 J	<11	<10	<34	<6.6	<13.8	<6.6	<6.6	<b>500</b>
09/29/15	<8.8	<10.2	<22	<13	<b>1,500</b>	<10.8	<14.2	<26	<32	<9.8	<8.8	<16.8	<9.4	<b>460</b>
05/13/16	<8.8	<10.2	<22	<13	<b>1,000</b>	<10.8	<14.2	<26	<32	<9.8	<8.8	<16.8	<9.4	<b>4</b>
06/29/17	<1.7	<2.11	<4.22	<4.6	<b>420</b>	18.4	<2	<9.4	<21.7	<4.8	<6.7	<3.5	<4.5	<b>180</b>
05/22/18	<2.2	<3.1	<3.6	<4.2	<b>1,040</b>	3.9 J	<2.6	<13.2	<21	<3.8	<1.9	<3.3	<3	<b>450</b>
05/14/19	<2.2	<3.1	4.1 J	<4.2	<b>1,570</b>	10.9	<2.6	<13.2	<21	<3.8	<1.9	<3.3	<3	<b>770</b>
05/14/19 DUP	<22	<31	<36	<42	<b>1,360</b>	<34	<26	<132	<210	<38	<19	<33	<30	<b>620</b>
05/20/20	<3.3	<3.1	<4.6	<5	<b>970</b>	11 J	<3.2	<13.2	<11	<3.3	<2.6	<3	<4.7	<b>450</b>

MPS P-5		Screened Interval: 71.5 to 76.5 feet bgs												
Sampling Date	Units:	VOCs												
		Benzene µg/l	Carbon Tetrachloride µg/l	1,1-DCA µg/l	1,1-DCE µg/l	cis-1,2-DCE µg/l	trans-1,2-DCE µg/l	Ethylbenzene µg/l	Methylene Chloride µg/l	Naphthalene µg/l	PCE µg/l	Toluene µg/l	1,1,1-TCA µg/l	TCE µg/l
NR 140 ES	5	5	850	7	70	100	700	5	40	5	1,000	200	5	0.2
NR 140 PAL	0.5	0.5	85	0.7	7	20	140	0.5	8	0.5	200	40	0.5	0.02
01/25/99	<0.27	NA	<0.35	<0.43	<b>18</b>	<0.79	<0.32	<0.36	0.38	<0.43	0.98	<0.30	<0.37	<b>110</b>
12/08/00	<0.20	NA	<0.50	<0.50	<b>10</b>	<0.50	<0.50	<0.50	<0.50	<0.50	<0.20	<0.50	<0.50	<b>91</b>
06/27/02	<0.43	<0.56	<0.57	<0.57	<b>25</b>	<0.59	<0.49	<0.6	<1.4	<0.49	<0.63	<0.57	<0.73	<b>53</b>
06/25/13	<4.8	<6.6	<6	<8	<b>259</b>	<7	<11	<10	<34	<6.6	<13.8	<6.6	<6.6	<b>840</b>
12/17/13	<2.4	<3.3	<3	<4	<b>158</b>	<3.5	<5.5	<5	<17	<3.3	<6.9	<3.3	<3.3	<b>470</b>
06/26/14	<2.4	<3.3	<3	<4	<b>247</b>	<3.5	<5.5	<5	<17	<3.3	<6.9	<3.3	<3.3	<b>540</b>
09/29/15	<4.4	<5.1	<11	<6.5	<b>82</b>	<5.4	<7.1	<13	<16	<4.9	<4.4	<8.4	<4.7	<b>88</b>
05/13/16	<4.4	<5.1	<11	<6.5	<b>65</b>	<0.54	<0.71	<1.3	<1.6	<0.49	<0.44	<0.84	<0.47	<b>268</b>
06/29/17	<0.17	<0.21	<0.42	<0.46	0.85 J	<0.35	<0.2	<0.94	<2.17	<0.48	<0.67	<0.35	<0.45	0.30 J
05/22/18	<0.22	<0.31	<0.36	<0.42	<b>25.8</b>	<0.34	<0.26	<1.32	<2.1	<0.38	<0.19	<0.33	<0.3	<b>44</b>
05/14/19	<0.22	<0.31	0.63 J	<0.42	<b>132</b>	0.69 J	<0.26	<1.32	<2.1	<0.38	<0.19	<0.33	<0.3	<b>313</b>
05/20/20	<3.3	<3.1	<4.6	<5	<b>121</b>	<3.7	<3.2	<13.2	<11	<3.3	<2.6	<3	<4.7	<b>183</b>

**Table 6**  
**Groundwater Quality Data**  
**Village of Whitefish Bay - Former Good Hope Road Landfill Site**  
**Sigma Project No. 14411**

MPS P-6		Screened Interval: 15.5 to 20.5 feet bgs												
Sampling Date	Units:	VOCs												
		Benzene µg/l	Carbon Tetrachloride µg/l	1,1-DCA µg/l	1,1-DCE µg/l	cis-1,2-DCE µg/l	trans-1,2-DCE µg/l	Ethylbenzene µg/l	Methylene Chloride µg/l	Naphthalene µg/l	PCE µg/l	Toluene µg/l	1,1,1-TCA µg/l	TCE µg/l
NR 140 ES	5	5	850	7	70	100	700	5	40	5	1,000	200	5	0.2
NR 140 PAL	0.5	0.5	85	0.7	7	20	140	0.5	8	0.5	200	40	0.5	0.02
02/13/99	<2.7	NA	4.7	<4.3	850	<7.9	<3.2	<3.6	<3.5	<4.3	<2.7	<3.0	<3.7	810
12/07/00	<0.10	NA	3.2	<0.25	670	3.6	<0.25	<0.25	<0.25	<0.25	<0.10	<0.25	<0.25	530
06/27/02	<2.2	<2.8	<2.9	<2.9	290	<3.0	<2.5	<3.0	<7.0	<2.5	<3.2	<2.9	<3.7	290
10/02/03	<4.1	<4.9	<7.5	<5.7	1000	<8.9	<5.4	<4.3	<7.4	<4.5	<6.7	<9.0	<4.5	880
12/17/13	<2.4	<3.3	<3	<4	580	5.4 J	<5.5	<5	<17	<3.3	<6.9	<3.3	<3.3	490
06/26/14	<2.4	<3.3	<3	<4	590	3.7 J	<5.5	<5	<17	<3.3	<6.9	<3.3	<3.3	460
09/29/15	<4.4	<5.1	<11	<6.5	640	<5.4	<7.1	<13	<16	<4.9	<4.4	<8.4	<4.7	410
05/13/16	<4.4	<5.1	<11	<6.5	390	<5.4	<7.1	<13	<16	<4.9	<4.4	<8.4	<4.7	320
06/29/17	<1.7	<2.11	<4.22	<4.6	350	15.5	<2	<9.4	<21.7	<4.8	<6.7	<3.5	<4.5	299
05/22/18	<2.2	<3.1	<3.6	<4.2	510	<3.4	<2.6	<13.2	<21	<3.8	<1.9	<3.3	<3	470
05/14/19	<2.2	<3.1	<3.6	<4.2	610	5.3 J	<2.6	<13.2	<21	<3.8	<1.9	<3.3	<3	620
05/20/20	<3.3	<3.1	<4.6	<5	480	7.1 J	<3.2	<13.2	<11	<3.3	<2.6	<3	<4.7	480

MPS P-7		Screened Interval: 45 to 50 feet bgs												
Sampling Date	Units:	VOCs												
		Benzene µg/l	Carbon Tetrachloride µg/l	1,1-DCA µg/l	1,1-DCE µg/l	cis-1,2-DCE µg/l	trans-1,2-DCE µg/l	Ethylbenzene µg/l	Methylene Chloride µg/l	Naphthalene µg/l	PCE µg/l	Toluene µg/l	1,1,1-TCA µg/l	TCE µg/l
NR 140 ES	5	5	850	7	70	100	700	5	40	5	1,000	200	5	0.2
NR 140 PAL	0.5	0.5	85	0.7	7	20	140	0.5	8	0.5	200	40	0.5	0.02
12/07/00	<0.10	NA	<0.25	<0.25	33	<0.25	<0.25	<0.25	0.36	<0.25	0.63	<0.25	<0.25	1,400
06/27/02	<2.2	<2.8	<2.9	<2.9	15	<3.0	<2.5	<3.0	<7.0	<2.5	<3.2	<2.9	<3.7	360
10/02/03	<0.41	<0.49	<0.75	<0.57	1.2	<0.89	<0.54	<0.43	<0.74	<0.45	<0.67	<0.90	<0.48	64 / 73 *
12/17/13	<0.24	<0.33	<0.3	<0.4	1.3	<0.35	<0.55	<0.5	<1.7	<0.33	<0.69	<0.33	<0.33	26.2
06/26/14	<2.4	<3.3	<3	<4	24.4	<3.5	<5.5	<5	<17	<3.3	<6.9	<3.3	<3.3	490
09/29/15	<4.4	<5.1	<11	<6.5	24.8	<5.4	<7.1	<13	<16	<4.9	<4.4	<8.4	<4.7	380
05/13/16	<0.44	<0.51	<1.1	<0.65	11.1	<0.54	<0.71	<1.3	<1.6	<0.49	<0.44	<0.84	<0.47	<0.17
06/29/17	<0.17	<0.21	<0.42	<0.46	2.9	<0.35	<0.2	<0.94	<2.17	<0.48	<0.67	<0.35	<0.45	11.7
05/22/18	<0.22	<0.31	<0.36	<0.42	4.6	<0.34	<0.26	<1.32	<2.1	<0.38	<0.19	<0.42	<0.3	36
05/14/19	<0.22	<0.31	<0.36	<0.42	36	<0.34	<0.26	<1.32	<2.1	<0.38	<0.19	<0.33	<0.3	520
05/20/20	<3.3	<3.1	<4.6	<5	99	4.8 J	<3.2	<13.2	<11	<3.3	<2.6	<3	<4.7	670

**Table 6**  
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PZ-8		Screened Interval: 63 to 68 feet bgs												
Sampling Date	Units:	VOCs												
		Benzene µg/l	Carbon Tetrachloride µg/l	1,1-DCA µg/l	1,1-DCE µg/l	cis-1,2-DCE µg/l	trans-1,2-DCE µg/l	Ethylbenzene µg/l	Methylene Chloride µg/l	Naphthalene µg/l	PCE µg/l	Toluene µg/l	1,1,1-TCA µg/l	TCE µg/l
NR 140 ES	5	5	850	7	70	100	700	5	40	5	1,000	200	5	0.2
NR 140 PAL	0.5	0.5	85	0.7	7	20	140	0.5	8	0.5	200	40	0.5	0.02
12/07/00	<0.10	NA	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.10	<0.25	<0.25	<0.25
12/17/13	<0.24	<0.33	<0.3	<0.4	<0.38	<0.35	<0.55	<0.5	<1.7	<0.33	<0.69	<0.33	<0.33	<0.18
06/27/14	<0.24	<0.33	<0.3	<0.4	<0.38	<0.35	<0.55	<0.5	<1.7	<0.33	<0.69	<0.33	<0.33	<0.18

MW-8		Screened Interval: 5.5 to 20.5 feet bgs												
Sampling Date	Units:	VOCs												
		Benzene µg/l	Carbon Tetrachloride µg/l	1,1-DCA µg/l	1,1-DCE µg/l	cis-1,2-DCE µg/l	trans-1,2-DCE µg/l	Ethylbenzene µg/l	Methylene Chloride µg/l	Naphthalene µg/l	PCE µg/l	Toluene µg/l	1,1,1-TCA µg/l	TCE µg/l
NR 140 ES	5	5	850	7	70	100	700	5	40	5	1,000	200	5	0.2
NR 140 PAL	0.5	0.5	85	0.7	7	20	140	0.5	8	0.5	200	40	0.5	0.02
12/07/00	<0.10	NA	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.10	<0.25	<0.25	<0.25
12/17/13	<0.24	<0.33	<0.3	<0.4	<0.38	<0.35	<0.55	<0.5	<1.7	<0.33	<0.69	<0.33	<0.33	<0.18
06/27/14	<0.24	<0.33	<0.3	<0.4	<0.38	<0.35	<0.55	<0.5	<1.7	<0.33	<0.69	<0.33	<0.33	<0.18

PZ-9		Screened Interval: 56 to 61 feet bgs												
Sampling Date	Units:	VOCs												
		Benzene µg/l	Carbon Tetrachloride µg/l	1,1-DCA µg/l	1,1-DCE µg/l	cis-1,2-DCE µg/l	trans-1,2-DCE µg/l	Ethylbenzene µg/l	Methylene Chloride µg/l	Naphthalene µg/l	PCE µg/l	Toluene µg/l	1,1,1-TCA µg/l	TCE µg/l
NR 140 ES	5	5	850	7	70	100	700	5	40	5	1,000	200	5	0.2
NR 140 PAL	0.5	0.5	85	0.7	7	20	140	0.5	8	0.5	200	40	0.5	0.02
12/07/00	<0.10	NA	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	3.2	<0.25	2.2	<0.25	<0.25	<0.25
12/17/13	<0.24	<0.33	<0.3	<0.4	<0.38	<0.35	<0.55	<0.5	<1.7	<0.33	<0.69	<0.33	<0.33	<0.18
06/27/14	<0.24	<0.33	<0.3	<0.4	<0.38	<0.35	<0.55	<0.5	<1.7	<0.33	<0.69	<0.33	<0.33	<0.18

MW-9		Screened Interval: 5 to 20 feet bgs												
Sampling Date	Units:	VOCs												
		Benzene µg/l	Carbon Tetrachloride µg/l	1,1-DCA µg/l	1,1-DCE µg/l	cis-1,2-DCE µg/l	trans-1,2-DCE µg/l	Ethylbenzene µg/l	Methylene Chloride µg/l	Naphthalene µg/l	PCE µg/l	Toluene µg/l	1,1,1-TCA µg/l	TCE µg/l
NR 140 ES	5	5	850	7	70	100	700	5	40	5	1,000	200	5	0.2
NR 140 PAL	0.5	0.5	85	0.7	7	20	140	0.5	8	0.5	200	40	0.5	0.02
12/07/00	<0.10	NA	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.10	<0.25	<0.25	<0.25
12/17/13	<0.24	<0.33	<0.3	<0.4	<0.38	<0.35	<0.55	<0.5	<1.7	<0.33	<0.69	<0.33	<0.33	<0.18
06/27/14	<0.24	<0.33	<0.3	<0.4	<0.38	<0.35	<0.55	<0.5	<1.7	<0.33	<0.69	<0.33	<0.33	<0.18

**Table 6**  
**Groundwater Quality Data**  
**Village of Whitefish Bay - Former Good Hope Road Landfill Site**  
**Sigma Project No. 14411**

PZ-10		Screened Interval: 38 to 43 feet bgs												
Sampling Date	Units:	VOCs												
		Benzene µg/l	Carbon Tetrachloride µg/l	1,1-DCA µg/l	1,1-DCE µg/l	cis-1,2- DCE µg/l	trans-1,2- DCE µg/l	Ethylbenzene µg/l	Methylene Chloride µg/l	Naphthalen e µg/l	PCE µg/l	Toluene µg/l	1,1,1-TCA µg/l	TCE µg/l
NR 140 ES	5	5	850	7	70	100	700	5	40	5	1,000	200	5	0.2
NR 140 PAL	0.5	0.5	85	0.7	7	20	140	0.5	8	0.5	200	40	0.5	0.02
12/07/00	<0.10	NA	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	2.8	<0.25	0.79	<0.25	<0.25	<0.25
12/17/13	<0.24	<0.33	<0.3	<0.4	<0.38	<0.35	<0.55	<0.5	<1.7	<0.33	<0.69	<0.33	<0.33	<0.18
06/27/14	<0.24	<0.33	<0.3	<0.4	<0.38	<0.35	<0.55	<0.5	<1.7	<0.33	<0.69	<0.33	<0.33	<0.18

MW-10		Screened Interval: 5 to 20 feet bgs												
Sampling Date	Units:	VOCs												
		Benzene µg/l	Carbon Tetrachloride µg/l	1,1-DCA µg/l	1,1-DCE µg/l	cis-1,2- DCE µg/l	trans-1,2- DCE µg/l	Ethylbenzene µg/l	Methylene Chloride µg/l	Naphthalen e µg/l	PCE µg/l	Toluene µg/l	1,1,1-TCA µg/l	TCE µg/l
NR 140 ES	5	5	850	7	70	100	700	5	40	5	1,000	200	5	0.2
NR 140 PAL	0.5	0.5	85	0.7	7	20	140	0.5	8	0.5	200	40	0.5	0.02
12/07/00	<0.10	NA	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.10	<0.25	<0.25	<0.25
12/17/13	<0.24	<0.33	<0.3	<0.4	<0.38	<0.35	<0.55	<0.5	<1.7	<0.33	<0.69	<0.33	<0.33	<0.18
06/27/14	<0.24	<0.33	<0.3	<0.4	<0.38	<0.35	<0.55	<0.5	<1.7	<0.33	<0.69	<0.33	<0.33	<0.18

PZ-11		Screened Interval: 44 to 49 feet bgs												
Sampling Date	Units:	VOCs												
		Benzene µg/l	Carbon Tetrachloride µg/l	1,1-DCA µg/l	1,1-DCE µg/l	cis-1,2- DCE µg/l	trans-1,2- DCE µg/l	Ethylbenzene µg/l	Methylene Chloride µg/l	Naphthalen e µg/l	PCE µg/l	Toluene µg/l	1,1,1-TCA µg/l	TCE µg/l
NR 140 ES	5	5	850	7	70	100	700	5	40	5	1,000	200	5	0.2
NR 140 PAL	0.5	0.5	85	0.7	7	20	140	0.5	8	0.5	200	40	0.5	0.02
06/27/02	<0.43	<0.56	<0.57	<0.57	<0.53	<0.59	<0.49	<0.6	<1.4	<0.49	<0.63	<0.57	<0.73	<0.12
10/02/03	<b>8.9</b>	<0.49	<0.75	<0.57	<0.83	<0.89	<0.54	<0.43	<0.74	<0.45	<0.67	<0.90	<0.48	<0.18
12/17/13	<0.24	<0.33	<0.3	<0.4	<0.38	<0.35	<0.55	<0.5	<1.7	<0.33	<0.69	<0.33	<0.33	<b>0.31 J</b>
06/27/14	<0.24	<0.33	<0.3	<0.4	<0.38	<0.35	<0.55	<0.5	<1.7	<0.33	<0.69	<0.33	<0.33	<0.18
09/29/15	<0.44	<0.51	<1.1	<0.65	<0.45	<0.54	<0.71	<1.3	<1.6	<0.49	<0.44	<0.84	<0.47	<0.17
05/11/16	<0.44	<0.51	<1.1	<0.65	<0.45	<0.54	<0.71	<1.3	<1.6	<0.49	<0.44	<0.84	<0.47	<0.17
06/29/17	<0.17	<0.21	<0.42	<0.46	<0.41	<0.35	<0.2	<0.94	<2.17	<0.48	<0.67	<0.35	<0.45	<0.19
05/22/18	<0.22	<0.31	<0.36	<0.42	<0.37	<0.34	<0.26	<1.32	<2.1	<0.38	<0.67	<0.33	<0.3	<0.20
05/15/19	<0.22	<0.31	<0.36	<0.42	<0.37	<0.34	<0.26	<1.32	<2.1	<0.38	<0.19	<0.33	<0.3	<b>0.44 J</b>
05/20/20	<0.33	<0.31	<0.46	<0.5	<0.39	<0.37	<0.32	<1.32	<1.1	<0.33	<0.26	<0.3	<0.47	<b>0.63 J</b>

**Table 6**  
**Groundwater Quality Data**  
**Village of Whitefish Bay - Former Good Hope Road Landfill Site**  
**Sigma Project No. 14411**

MW-11	Screened Interval: 5 to 20 feet bgs													
	Sampling Date	VOCs												
		Benzene	Carbon Tetrachloride	1,1-DCA	1,1-DCE	cis-1,2-DCE	trans-1,2-DCE	Ethylbenzene	Methylene Chloride	Naphthalene	PCE	Toluene	1,1,1-TCA	TCE
Units:	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l
NR 140 ES	5	5	850	7	70	100	700	5	40	5	1,000	200	5	0.2
NR 140 PAL	0.5	0.5	85	0.7	7	20	140	0.5	8	0.5	200	40	0.5	0.02
06/27/02	<0.43	<0.56	<0.57	<0.57	<0.53	<0.59	<0.49	<0.6	<1.4	<0.49	<0.63	<0.57	<0.73	<0.12
10/02/03	<0.41	<0.49	<0.75	<0.57	<0.83	<0.89	<0.54	<0.43	<0.74	<0.45	<0.67	<0.90	<0.48	<0.18
12/17/13	<0.24	<0.33	<0.3	<0.4	<0.38	<0.35	<0.55	<0.5	<1.7	<0.33	<0.69	<0.33	<0.33	<0.18
06/27/14	<0.24	<0.33	<0.3	<0.4	<0.38	<0.35	<0.55	<0.5	<1.7	<0.33	<0.69	<0.33	<0.33	<b>0.73</b>
09/29/15	<0.40	<0.51	<1.1	<0.65	<0.45	<0.54	<0.71	<1.3	<1.6	<0.49	<0.44	<0.84	<0.47	<0.17
05/11/16	<0.44	<0.51	<1.1	<0.65	<0.45	<0.54	<0.71	<1.3	<1.6	<0.49	<0.44	<0.84	0.48 J	<0.17
06/29/17	<0.17	<0.21	<0.42	<0.46	<0.41	<0.35	<0.2	<0.94	<2.17	<0.48	<0.67	<0.35	<0.45	<0.19
05/22/18	<0.22	<0.31	<0.36	<0.42	<0.37	<0.34	<0.26	<1.32	<2.1	<0.38	<0.19	<0.33	<0.3	<0.2
05/15/19	<0.22	<0.31	<0.36	<0.42	<0.37	<0.34	<0.26	<1.32	<2.1	<0.38	<0.19	<0.33	<0.3	<0.2
05/20/20	<0.33	<0.31	<0.46	<0.5	<0.39	<0.37	<0.32	<1.32	<1.1	<0.33	<0.26	<0.3	<0.47	<0.2

PZ-12	Screened Interval: 38 to 43 feet bgs													
	Sampling Date	VOCs												
		Benzene	Carbon Tetrachloride	1,1-DCA	1,1-DCE	cis-1,2-DCE	trans-1,2-DCE	Ethylbenzene	Methylene Chloride	Naphthalene	PCE	Toluene	1,1,1-TCA	TCE
Units:	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l
NR 140 ES	5	5	850	7	70	100	700	5	40	5	1,000	200	5	0.2
NR 140 PAL	0.5	0.5	85	0.7	7	20	140	0.5	8	0.5	200	40	0.5	0.02
12/28/17	<1.0	<1.0	0.61 J	<0.82	<b>114</b>	0.89 J	<1.0	<0.47	<5.0	<1.0	<1.0	<1.0	<0.66	<b>9.9</b>
05/22/18	<0.22	<0.31	0.41 J	<0.42	<b>58</b>	0.44 J	<0.26	<1.32	<2.1	<0.38	0.32 J	<0.33	<0.3	<b>2.47</b>
05/15/19	0.22 J	<0.31	0.98 J	<0.42	<b>129</b>	1.06 J	<0.26	<1.32	<2.1	<0.38	0.51 J	<0.33	<0.3	<b>9.8</b>
05/21/20	0.60 J	<0.31	1.19 J	<0.5	<b>161</b>	1.58	<0.32	<1.32	<1.1	<0.33	0.26 J	<0.3	<0.47	<b>27.7</b>

MW-12	Screened Interval: 5 to 20 feet bgs													
	Sampling Date	VOCs												
		Benzene	Carbon Tetrachloride	1,1-DCA	1,1-DCE	cis-1,2-DCE	trans-1,2-DCE	Ethylbenzene	Methylene Chloride	Naphthalene	PCE	Toluene	1,1,1-TCA	TCE
Units:	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l
NR 140 ES	5	5	850	7	70	100	700	5	40	5	1,000	200	5	0.2
NR 140 PAL	0.5	0.5	85	0.7	7	20	140	0.5	8	0.5	200	40	0.5	0.02
12/28/17	<0.50	<0.5	<0.24	<0.41	<b>14.1</b>	<0.26	<0.5	<0.23	<2.5	<0.50	<0.50	<0.5	<0.33	<b>1.1</b>
05/22/18	<0.22	<0.31	<0.36	<0.42	<0.37	<0.34	<0.26	<1.32	<2.1	<0.38	<0.19	<0.33	<0.3	<0.2
05/15/19	<0.22	<0.31	<0.36	<0.42	<0.37	<0.34	<0.26	<1.32	<2.1	<0.38	0.35 J	<0.33	<0.3	<0.2
05/20/20	<0.33	<0.31	<0.46	<0.5	<0.39	<0.37	<0.32	<1.32	<1.1	<0.33	0.38 J	<0.3	<0.47	<0.2

**Table 6**  
**Groundwater Quality Data**  
**Village of Whitefish Bay - Former Good Hope Road Landfill Site**  
**Sigma Project No. 14411**

PZ-13	Screened Interval: 44 to 49 feet bgs													
	VOCs													
Sampling Date	Benzene	Carbon Tetrachloride	1,1-DCA	1,1-DCE	cis-1,2-DCE	trans-1,2-DCE	Ethylbenzene	Methylene Chloride	Naphthalene	PCE	Toluene	1,1,1-TCA	TCE	Vinyl Chloride
Units:	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l
NR 140 ES	5	5	850	7	70	100	700	5	40	5	1,000	200	5	0.2
NR 140 PAL	0.5	0.5	85	0.7	7	20	140	0.5	8	0.5	200	40	0.5	0.02
12/28/17	<0.50	<0.50	0.41 J	<0.41	<b>106</b>	0.95 J	<0.50	0.40 J	<2.5	<0.50	<0.50	<0.50	<0.33	<b>96.7</b>
12/28/18 (DUP)	<0.50	<0.50	0.41 J	<0.41	<b>104</b>	0.90 J	<0.50	0.37 J	<2.5	<0.50	<0.50	<0.50	<0.33	<b>95.7</b>
05/22/18	<0.22	<0.31	<0.36	<0.42	<b>85</b>	0.75 J	<0.26	<1.32	<2.1	<0.38	<0.19	<0.50	<0.3	<b>40</b>
05/15/19	0.24 J	<0.31	<0.36	<0.42	<b>119</b>	0.96 J	<0.26	<1.32	<2.1	<0.38	0.53 J	<0.33	<0.3	<b>90</b>
05/20/20	<0.33	<0.31	<0.46	<0.5	<b>113</b>	1.01 J	<0.32	<1.32	<1.1	<0.33	<0.26	<0.3	<0.47	<b>80</b>

MW-13	Screened Interval: 5 to 20 feet bgs													
	VOCs													
Sampling Date	Benzene	Carbon Tetrachloride	1,1-DCA	1,1-DCE	cis-1,2-DCE	trans-1,2-DCE	Ethylbenzene	Methylene Chloride	Naphthalene	PCE	Toluene	1,1,1-TCA	TCE	Vinyl Chloride
Units:	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l
NR 140 ES	5	5	850	7	70	100	700	5	40	5	1,000	200	5	0.2
NR 140 PAL	0.5	0.5	85	0.7	7	20	140	0.5	8	0.5	200	40	0.5	0.02
12/28/17	<0.50	<0.50	0.51 J	<0.41	<b>111</b>	4.5	<0.50	<0.23	<2.5	<0.50	<0.50	<2.1	<0.33	<b>0.21 J</b>
05/22/18	<0.22	<0.31	0.37 J	<0.42	<b>132</b>	3.8	<0.26	<1.32	<2.1	<0.38	<0.19	0.46 J	<0.42	<0.2
05/15/19	<0.22	<0.31	<0.36	<0.42	<b>98</b>	3.8	<0.26	<1.32	<2.1	<0.38	<0.19	0.51 J	<0.3	<b>0.5 J</b>
05/20/20	<0.33	<0.31	<0.46	<0.5	<b>101</b>	6	<0.32	<1.32	<1.1	<0.33	<0.26	0.41 J	<0.47	<b>10.6</b>
08/21/20	<0.33	<0.31	<0.39	<0.46	<b>116</b>	4.0	<0.32	<1.32	<1.1	<0.33	<0.26	0.31 J	<0.47	<b>17.2</b>
8/21/20 (DUP)	<0.33	<0.31	<0.39	<0.46	<b>122</b>	3.8	<0.32	<1.32	<1.1	<0.33	<0.26	0.32 J	<0.47	<b>17.1</b>

**Notes:**

1. NR 140 ES = Wis. Adm. Code Chapter NR 140 Enforcement Standard
2. NR 140 PAL = Wis. Adm. Code Chapter NR 140 Preventive Action Limit

3. ES Exceedances: **BOLD**  
 PAL Exceedances: **BOLD**

4. NS = no standard

\*\* W-MW-5S was mislabeled as MW-4 during Dec 2013 sampling event.

\* Second value represents duplicate sample result.

++ Results for Xylenes are not included in the report. Lab reported results are below LOD or PAL.

5. Abbreviations:

ND	= Not Detected	NS	= Not Sampled
1,1-DCA	= 1,1-Dichloroethane	1,1-DCE	= 1,1-Dichloroethene
cis-1,2-DCE	= cis-1,2-Dichloethene	trans-1,2-DCE	= trans-1,2-Dichloethene
TCE	= Trichlorethene	PCE	= Tetrachloroethene
1,1,1-TCA	= 1,1,1-Trichlorethane		