



Wisconsin Public Service Corporation

700 North Adams Street
P.O. Box 19001
Green Bay, WI 54307-9001

www.wisconsinpublicservice.com

June 14, 2017

Ms. Margaret Gielniewski
USEPA Region 5 – SR6J
77 W. Jackson Boulevard
Chicago, Illinois 60604-3590

**SUBJECT: May, 2017 Monthly Progress Report – Former Green Bay MGP
Wisconsin Public Service Corporation
CERCLA Docket No. V-W-06-C-847
Spill Site ID – B5BV**

Dear Ms. Gielniewski:

Please find enclosed the monthly progress report for the Wisconsin Public Service Corporation's former manufactured gas plant site in Green Bay, WI. If you have any questions, please contact me at your convenience at (414) 221-2156 or frank.dombrowski@we-energies.com.

Sincerely,

A handwritten signature in black ink that reads 'Frank Dombrowski'.

Frank Dombrowski
Principal Environmental Consultant
WEC Energy Group - Business Services
Environmental Dept.

Enclosure

cc: Mr. William Fitzpatrick, WDNR (hardcopy and email)
Ms. Cheryl Bougie, WDNR (hardcopy and email)
Ms. Jennifer Knoepfle, CH2M (hardcopy and email)
Ms. Kristin DuFresne, WDNR (hardcopy and email)



OBG | There's a Way

June 15, 2017

Mr. Frank Dombrowski
WEC Business Services, LLC
333 W. Everett Street, A231
Milwaukee, WI 53203
(via email only)

Subject: May 2017 Monthly Progress Report
Green Bay Former MGP, Green Bay, Wisconsin
Wisconsin Public Service Corporation (WPSC)
CERCLA Docket No. V-W-06-C-847, Site Spill ID - B5BV, CERCLIS ID - WIN000509948
NRT Project No. 1584

Dear Mr. Dombrowski:

Natural Resource Technology, Inc. (NRT), an OBG Company, is providing this Monthly Progress Report for the WPSC Green Bay Former Manufactured Gas Plant (MGP).

1) PROGRESS MADE DURING THE PAST MONTH

- Continued participation in Lower Fox River Group sediment delineation activities near the former MGP site
- Completed groundwater sampling on May 9, 2017
- Prepared and submitted April 2017 Monthly Progress Report to United States Environmental Protection Agency (USEPA) by May 15, 2017

2) ANALYTICAL AND OTHER TESTING RESULTS RECEIVED

- Groundwater analytical results and a figure illustrating groundwater monitoring locations have been attached to this letter report

3) PROJECTED WORK

WPSC ACTIONS

- Prepare for remedial investigation (RI) data summary discussion and completion of RI Report

USEPA ACTIONS

- None



234 W. Florida Street, Fifth Floor
Milwaukee, WI 53204



p 414-837-3607
f 414-837-3608



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4) ANTICIPATED SCHEDULE

Deliverable or Milestone	Target Date	Actual Date
Submitted Completion Report – Rev 0	June 17, 2014	June 17, 2014
Submitted Focused Sediment Investigation Tech Memo No 1 – Rev 0		June 18, 2014
Receive USEPA comments on Completion Report – Rev 0		July 14, 2014
Receive USEPA comments on Sediment Tech Memo No 1 – Rev 0		July 21, 2014
Submit response to comments with Sediment Tech Memo No1 – Rev 1		August 1, 2014
Complete sediment sampling described in Tech Memo No1 – Rev 1	August 2014	August 29, 2014
Receive USEPA comments on Completion Report – Rev 0		July 21, 2014
Pre-scoping meeting for Site-Specific Work Plan (SSWP)	August 19, 2014	August 19, 2014
Submit SSWP – Rev 0 to USEPA	September 2014	September 23, 2014
Receive USEPA comments on SSWP Rev 0	November 2014	November 5, 2014
Respond to USEPA comments on SSWP Rev 0 and issue Revision 1 of the RI Report	December 2014	December 22, 2014
Submit Sediment Sampling Technical Memorandum	December 2014	February 6, 2015
Participate in Lower Fox River stakeholder meeting	January 7, 2015	January 7, 2015
Receive USEPA comments on SSWP Revision 1	February 2015	January 26, 2015
Respond to USEPA comments on SSWP Rev 1	March 12, 2015	March 12, 2015
Receive USEPA comments on Focused Sediment Investigation Report		March 20, 2015
Receive USEPA approval of SSWP Revision 2		March 20, 2015
Respond to USEPA comments and submit Focused Sediment Report Revision 1	May 4, 2015	May 4, 2015
Receive USEPA comments on Focused Sediment Report Revision 1		May 21, 2015
Respond to USEPA comments on Focused Sediment Report Revision 1 with report Revision 2	July 5, 2015	June 29, 2015
Execute upland SSWP Revision 2 field activities	June 2015, pending site access	October 21, 2015
Receive USEPA comments on Focused Sediment Report Revision 2		July 31, 2015

Deliverable or Milestone	Target Date	Actual Date
Submit response to USEPA comments on Focused Sediment Report Revision 2	September 14, 2015	September 14, 2015
Receive USEPA response to comments regarding additional upland soil borings along shoreline		September 29, 2015
Submit SSWP Rev 2 modified October 2015	October 9, 2015	October 9, 2015
Deliverable or Milestone	Target Date	Actual Date
Quarterly RI groundwater (GW) monitoring	November 2015, February, May, and August 2016	November 11, 2015, Feb. 16, 2016 May 8, 2016, August 23, 2016
RI soil vapor sampling (SWWP Rev 2)	February 2016 and July 2016	February 3, 2016
Collection of additional soil samples to complete stepout boring process initiated during SSWP Rev 2 field activities	February 8, 2016	February 8, 2016
Submittal of Technical Memorandum regarding VI evaluation of Annex Building	May 2016	May 31, 2016
USEPA provided comments to VI Technical Memorandum		July 6, 2016
Submittal of VI Technical Memorandum (rev 1) incorporating USEPA comments		July 15, 2016
USEPA issued approval of VI Technical Memorandum (Rev 1)		July 28, 2016
Installation of vapor probes and sub-slab monitoring ports in Annex Building		July 30, 2016 (Saturday)
Second round of RI soil vapor probe monitoring (SWWP Rev 2)		August 5, 2016
Sample first round of air and soil vapor sampling in Annex Building		August 6, 2016 (Saturday)
Re-sampling of Annex Bldg indoor air monitoring locations		September 22, 2016
Resampling results received		October 7, 2016
Third-party validation report received		November 2, 2016
Planned sample second/last round of air and soil vapor sampling in Annex Building	December 2016	December 4, 2016
December 2016 GW sampling event	December 13, 2016	December 13, 2016
Submitted Preliminary RI Data to USEPA for review		February 10, 2017
Meeting to discuss preliminary RI data with USEPA	February, 2017	TBD

Deliverable or Milestone	Target Date	Actual Date
Semi-annual routine GW monitoring	May and November 2017	May 9, 2017
Lower Fox River sediment sampling		March 30, 2017

5) PROBLEMS OR POTENTIAL PROBLEMS ENCOUNTERED

- None


6) ACTUAL OR PLANNED RESOLUTION OF PROBLEMS OR POTENTIAL PROBLEMS

- None

Please contact the undersigned if you should have any questions regarding the content of this progress report.

Sincerely,
NRT | An OBG Company

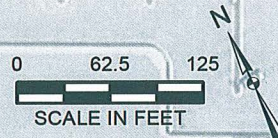
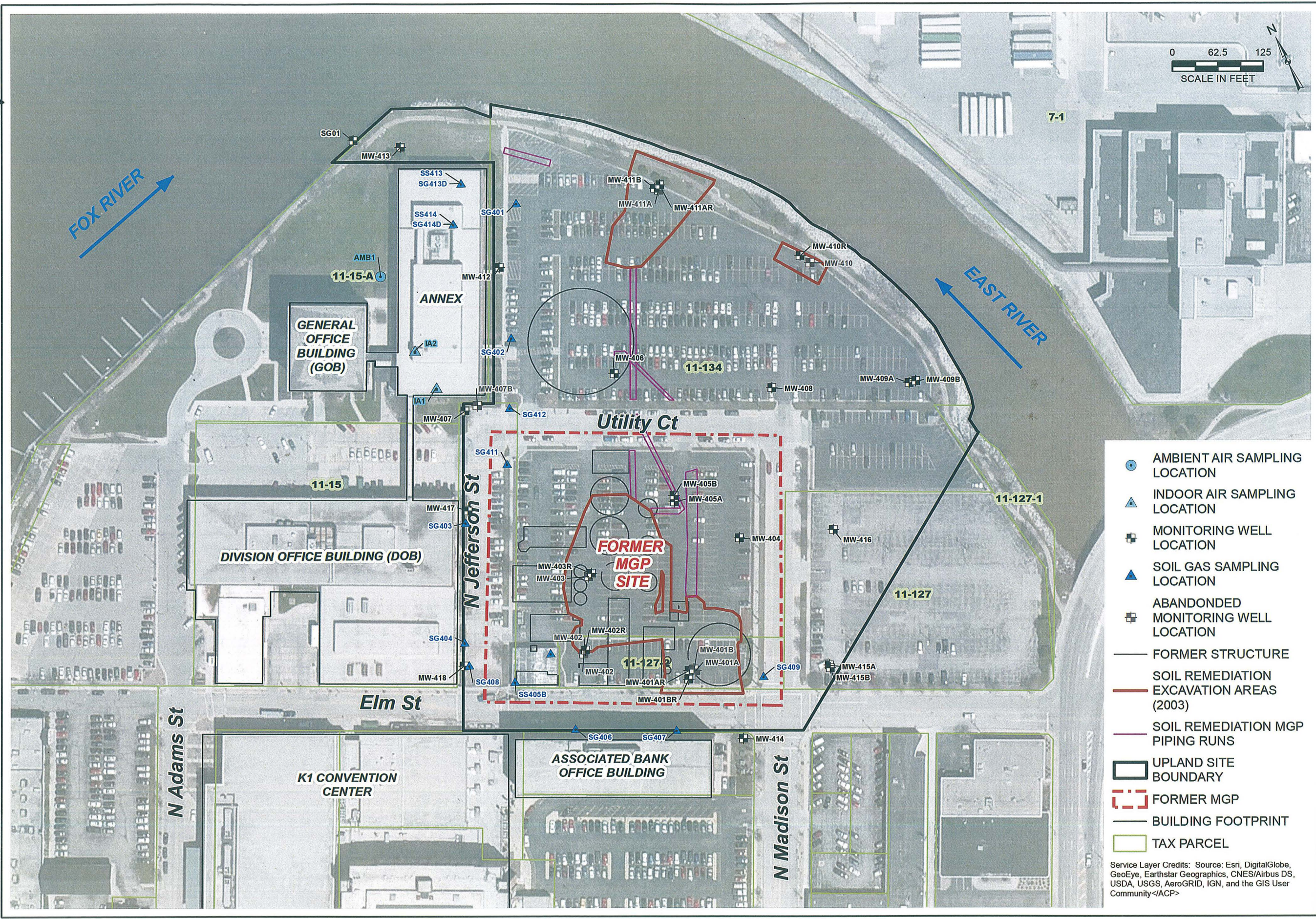

Brian G. Hennings, PG
 Senior Hydrogeologist


Jennifer M. Hagen, PE
 Principal Engineer

Enclosures: Groundwater Monitoring Location Map
 May 2017 Groundwater Analytical Summary Tables

For distribution to: Ms. Margaret Gielniewski (electronic copy)
 Ms. Kristin DuFresne, WDNR (hardcopy and email)
 Mr. Bill Fitzpatrick, WDNR (hardcopy and email)
 Ms. Cheryl Bougie, WDNR (hardcopy and email)
 Ms. Jennifer Knoepfle, CH2M (email only)

\\GIS\IP\projects\1511584\MXD\RI\Figure 9_GW and VI Locations.mxd Author: sstolz Date/Time: 12/14/2016 1:52:19 PM



DRAWN BY/DATE:
SDS 10/25/16
REVIEWED BY/DATE:
PRB 10/25/16
APPROVED BY/DATE:
BGH

GROUNDWATER AND VAPOR INTRUSION MONITORING LOCATIONS

FORMER GREEN BAY MANUFACTURED GAS PLANT SITE
WISCONSIN PUBLIC SERVICE CORPORATION
CITY OF GREEN BAY, WISCONSIN

- AMBIENT AIR SAMPLING LOCATION
- INDOOR AIR SAMPLING LOCATION
- MONITORING WELL LOCATION
- SOIL GAS SAMPLING LOCATION
- ABANDONDED MONITORING WELL LOCATION
- FORMER STRUCTURE
- SOIL REMEDIATION EXCAVATION AREAS (2003)
- SOIL REMEDIATION MGP PIPING RUNS
- UPLAND SITE BOUNDARY
- FORMER MGP
- BUILDING FOOTPRINT
- TAX PARCEL

Service Layer Credits: Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community <ACP>

PROJECT NO: 1584/19

FIGURE NO: 1



May 2017 Groundwater Sample Results

Wisconsin Public Service Corporation
 Green Bay Former Manufactured Gas Plant Site 700 N Adams St, Green Bay, Wisconsin
 BRRS#: 02-05-000254 UPSEPA#: WIN000509948

Sample Location	Sample Date	PAH																	
		1-Methylnaphthalene	2-Methylnaphthalene	Acenaphthene	Acenaphthylene	Anthracene	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene	Benzo(k)fluoranthene	Chrysene	Dibenz(a,h)anthracene	Fluoranthene	Fluorene	Indeno(1,2,3-cd)pyrene	Naphthalene	Phenanthrene	Pyrene
Reporting 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	µg/L	µg/L	µg/L	µg/L
050817001 MW-418	5/8/2017	<0.0063 U	0.0084 J	<0.0065 U	<0.0054 U	<0.011 U	<0.0081 U	<0.011 U	0.016 J	0.0089 J	<0.0081 U	<0.014 U	<0.011 U	<0.011 U	<0.0086 U	<0.019 U	<0.020 U	<0.015 U	<0.0082 U
050817002 MW-417	5/8/2017	<0.0062 U	0.0081 J	<0.0064 U	<0.0052 U	<0.011 U	<0.0079 U	<0.011 U	<0.0060 U	<0.0071 U	<0.0079 U	<0.014 U	<0.011 U	<0.011 U	<0.0084 U	<0.019 U	<0.019 U	<0.015 U	<0.0081 U
050817003 MW-417 QC/QC 1	5/8/2017	<0.0066 U	0.0084 J	<0.0067 U	<0.0055 U	<0.012 U	<0.0084 U	<0.012 U	<0.0064 U	<0.0075 U	<0.0084 U	<0.014 U	<0.011 U	<0.012 U	<0.0089 U	<0.020 U	<0.020 U	<0.015 U	<0.0085 U
050817004 MW-407	5/8/2017	<0.0064 U	0.0073 J	<0.0066 U	<0.0054 U	<0.011 U	<0.0082 U	<0.011 U	0.0065 J	<0.0074 U	<0.0082 U	<0.014 U	<0.011 U	<0.012 U	<0.0087 U	<0.019 U	<0.020 U	<0.015 U	0.0098 J
050817005 MW-412	5/8/2017	<0.0064 U	0.0060 J	<0.0066 U	<0.0054 U	0.017 J	<0.0082 U	<0.011 U	<0.0062 U	<0.0074 U	<0.0082 U	<0.014 U	<0.011 U	<0.012 U	<0.0087 U	<0.019 U	<0.020 U	<0.015 U	<0.0083 U
050817006 MW-413	5/8/2017	<0.0063 U	0.0075 J	<0.0065 U	<0.0054 U	<0.011 U	<0.0081 U	<0.011 U	<0.0062 U	<0.0073 U	<0.0081 U	<0.014 U	<0.011 U	<0.011 U	<0.0086 U	<0.019 U	<0.020 U	<0.015 U	<0.0082 U
050817007 MW-411AR	5/8/2017	2.5	0.31	0.68	0.44	0.061	0.017 J	0.022 J	0.040	0.029 J	0.018 J	0.036 J	<0.011 U	0.13	0.36	0.024 J	2.3	0.38	0.11
050817008 MW-411B	5/8/2017	<0.0066 U	0.0069 J	<0.0068 U	0.011 J	0.014 J	0.065	0.14	0.28	0.24	0.17	0.23	0.028 J	0.44	<0.0090 U	0.17	<0.021 U	0.12	0.28
050817009 MW-411B QA/QC 2	5/8/2017	<0.0064 U	0.0055 J	<0.0066 U	0.0098 J	0.021 J	0.11	0.21	0.37	0.29	0.18	0.31	0.036 J	0.56	<0.0087 U	0.22	<0.020 U	0.16	0.37
050817010 MW-410R	5/8/2017	0.023 J	<0.0053 U	0.014 J	0.015 J	0.12	0.0093 J	<0.011 U	0.011 J	0.0092 J	<0.0082 U	<0.014 U	<0.011 U	0.019 J	<0.0087 U	<0.019 U	0.065 J	<0.015 U	0.014 J
050817011 MW-409A	5/8/2017	<0.0069 U	<0.0057 U	<0.0071 U	0.013 J	0.037 J	0.073	0.18	0.43	0.28	0.20	0.38	0.036 J	0.67	0.0093 J	0.21	<0.021 U	0.15	0.41
050817012 MW-409B	5/8/2017	<0.0063 U	<0.0052 U	<0.0065 U	<0.0053 U	<0.011 U	0.049	0.085	0.18	0.14	0.12	0.18	0.017 J	0.36	<0.0085 U	0.10	<0.020 U	0.12	0.23
050817013 MW-408	5/8/2017	0.019 J	0.013 J	0.11	0.059	0.26	0.80	1.7	3.2	1.9	1.3	2.5	0.26	7.7	0.22	1.6	0.034 J	3.5	4.2
050817014 Equipment Blank	5/8/2017	<0.0066 U	<0.0054 U	<0.0067 U	<0.0055 U	<0.012 U	<0.0084 U	<0.012 U	<0.0064 U	<0.0075 U	<0.0084 U	<0.014 U	<0.011 U	<0.012 U	<0.0089 U	<0.020 U	<0.020 U	<0.015 U	<0.0085 U
050917015 MW-402R	5/9/2017	161	12.1	20.0	3.6	2.3 J	<0.42 U	<0.58 U	<0.32 U	<0.38 U	<0.42 U	<0.72 U	<0.56 U	1.5 J	22.9	<0.98 U	497	22.6	1.3 J
050917016 MW-401BR	5/9/2017	0.015 J	0.017 J	<0.0066 U	<0.0054 U	<0.011 U	0.010 J	<0.011 U	0.023 J	0.021 J	0.020 J	0.023 J	<0.011 U	0.034 J	<0.0087 U	<0.019 U	0.042 J	0.018 J	0.025 J
050917017 MW-414	5/9/2017	<0.0063 U	<0.0053 U	<0.0065 U	<0.0054 U	<0.011 U	<0.0081 U	<0.011 U	<0.0062 U	<0.0073 U	<0.0081 U	<0.014 U	<0.011 U	<0.011 U	<0.0086 U	<0.019 U	<0.020 U	<0.015 U	<0.0082 U
050917018 MW-415B	5/9/2017	0.0090 J	0.013 J	<0.0065 U	0.0071 J	<0.011 U	0.026 J	0.071	0.11	0.14	0.042	0.061 J	0.013 J	0.14	<0.0086 U	0.088 J	0.026 J	0.061 J	0.10
050917019 MW-415A	5/9/2017	<0.0061 U	0.0051 J	0.020 J	0.014 J	0.023 J	0.089	0.20	0.42	0.24	0.24	0.35	0.031 J	0.97	0.034 J	0.20	<0.019 U	0.61	0.52
050917020 MW-416	5/9/2017	<0.0062 U	0.0081 J	<0.0064 U	<0.0052 U	0.012 J	0.011 J	0.013 J	0.027 J	0.019 J	0.020 J	0.017 J	<0.011 U	0.031 J	<0.0084 U	<0.019 U	<0.019 U	0.021 J	0.023 J
050917021 MW-416 QA/QC 3	5/9/2017	<0.0064 U	0.0084 J	<0.0066 U	<0.0054 U	0.013 J	<0.0082 U	<0.011 U	0.0080 J	<0.0074 U	0.010 J	<0.014 U	<0.011 U	0.019 J	<0.0087 U	<0.019 U	<0.020 U	0.018 J	0.013 J
050917022 MW-406	5/9/2017	0.030 J	0.012 J	0.052	0.10	0.16	0.68	1.7	3.0	2.0	1.4	2.6	0.26	6.8	0.085	1.7	0.087 J	2.4	3.8
050917023 MW-404	5/9/2017	21.7	<0.011 U	5.1	2.6	0.52	0.030 J	0.028 J	0.029 J	0.023 J	0.019 J	0.046 J	<0.023 U	0.40	0.31	<0.040 U	1.9	0.079 J	0.46
050917024 MW-405B	5/9/2017	0.011 J	0.011 J	0.11	0.11	0.28	0.82	2.2	3.7	2.3	1.4	2.9	0.32	6.6	0.14	2.0	0.049 J	3.8	4.7
050917025 MW-403R	5/9/2017	87.0	39.4	19.5	4.2 J	<2.2 U	<1.6 U	<2.2 U	<1.2 U	<1.4 U	<1.6 U	<2.8 U	<2.1 U	<2.3 U	11.9	<3.8 U	1,710	13.2 J	1.7 J
050917026 Equipment Blank	5/9/2017	<0.0065 U	<0.0054 U	<0.0067 U	<0.0055 U	<0.011 U	<0.0083 U	<0.012 U	<0.0063 U	<0.0075 U	<0.0083 U	<0.014 U	<0.011 U	<0.012 U	<0.0088 U	<0.019 U	<0.020 U	<0.015 U	<0.0084 U
050917027 Trip Blank	5/9/2017	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
050917028 MW-401AR	5/9/2017	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
050917029 MW-405A	5/9/2017	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
050917030 SG01	5/9/2017	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

NOTES:
 -- = Analysis not performed
 < = Concentration is less than reported limit
 J = Concentration estimated
 U = Not detected
 QA/QC = Quality Assurance / Quality Control Field Duplicate
 SG = Staff Gauge

BTEX = Benzene, Toluene, Ethylbenzene and Xylene
 PAH = Polycyclic Aromatic Hydrocarbons
 RNA = Remediation by Natural Attenuation (lab and field)
 SVOC = Semi-Volatile Organic Compound
 VOC = Volatile Organic Compound

µg/L = micrograms per liter
 deg C = degrees Celsius
 mg/L = milligrams per liter
 mmhos/cm = millimhos per centimeter
 NTU = Nephelometric Turbidity Unit

May 2017 Groundwater Sample Results

Wisconsin Public Service Corporation
 Green Bay Former Manufactured Gas Plant Site 700 N Adams St, Green Bay, Wisconsin
 BRRTS#: 02-05-000254 UPSEPA#: WIN000509948

Sample Location	Sample Date	BTEX						VOC		Metal										Inorganic			RNA							
		Benzene	Ethylbenzene	Toluene	Xylenes, m + p	Xylene, o	Xylenes, Total	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Arsenic, Dissolved	Barium, Dissolved	Cadmium, Dissolved	Chromium, Dissolved	Iron, Dissolved	Lead, Dissolved	Manganese, Dissolved	Mercury, Dissolved	Selenium, Dissolved	Silver, Dissolved	Methane	Nitrogen, NO2 + NO3, Total	Sulfate, Total	Dissolved oxygen	Groundwater, depth to	Oxidation Reduction Potential	pH, Field	Specific Conductance, Field	Temperature, Water	Turbidity, Quantitative	
Reporting 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	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	mg/L	feet	millivolts	pH units	mmhos/cm	deg c	NTU		
050817001 MW-418	5/8/2017	<0.50 U	<0.50 U	<0.50 U	<1.0 U	<0.50 U	<1.5 U	<0.50 U	<0.50 U	0.78 J	259	<0.089 U	<0.39 U	<10.0 U	0.18 J	130	<0.13 U	7.0	<0.016 U	3.1	3,200	64,700	3.84	5.87	196.5	7.06	3.8458	12.26	1.02	
050817002 MW-417	5/8/2017	<0.50 U	<0.50 U	<0.50 U	<1.0 U	<0.50 U	<1.5 U	<0.50 U	<0.50 U	0.94 J	453	0.42 J	<0.39 U	2,560	0.31 J	510	<0.13 U	1.7	<0.016 U	285	1,200	52,300	0.24	4.71	-42.9	6.96	10.5939	11.48	4.25	
050817003 MW-417 QC/QC 1	5/8/2017	<0.50 U	<0.50 U	<0.50 U	<1.0 U	<0.50 U	<1.5 U	<0.50 U	<0.50 U	0.90 J	454	0.41 J	0.43 J	2,680	0.26 J	522	<0.13 U	1.4	<0.016 U	258	1,300	53,700	0.24	4.71	-42.9	6.96	10.5939	11.48	4.25	
050817004 MW-407	5/8/2017	<0.50 U	<0.50 U	<0.50 U	<1.0 U	<0.50 U	<1.5 U	<0.50 U	<0.50 U	2.6	530	<0.18 U	<0.79 U	18,200	2.8	1,060	<0.13 U	<0.42 U	<0.033 U	2,990	<95 U	21,300 J	0.15	4.1	-95.5	7	8.6248	12.26	16.9	
050817005 MW-412	5/8/2017	<0.50 U	<0.50 U	<0.50 U	<1.0 U	<0.50 U	<1.5 U	<0.50 U	<0.50 U	1.9	229	<0.089 U	0.68 J	11,800	<0.040 U	266	<0.13 U	0.43 J	<0.016 U	913	110 J	47,400	0.39	6.32	-53.7	7.03	4.3177	12.4	7.78	
050817006 MW-413	5/8/2017	<0.50 U	<0.50 U	<0.50 U	<1.0 U	<0.50 U	<1.5 U	<0.50 U	<0.50 U	1.7	82.9	0.14 J	0.48 J	1,670	0.22 J	101	<0.13 U	0.26 J	0.068 J	362	<95 U	20,400	0.16	3.86	-62.8	7.1	0.8384	9.32	5.55	
050817007 MW-411AR	5/8/2017	333	32.4	<2.0 U	<4.0 U	<2.0 U	<6.0 U	<2.0 U	<2.0 U	4.1 J	106	<0.44 U	<2.0 U	337 J	<0.20 U	48.1	<0.13 U	<1.0 U	<0.082 U	55.0	260	158,000	0.3	2.79	-174.4	8.38	13.6873	11.5	23.94	
050817008 MW-411B	5/8/2017	<0.50 U	<0.50 U	<0.50 U	<1.0 U	<0.50 U	<1.5 U	<0.50 U	<0.50 U	1.6	47.3	<0.089 U	0.91 J	234 J	1.3	27.0	<0.13 U	<0.21 U	<0.016 U	2.5 J	230 J	592,000	3.85	9.65	64.1	7.59	3.6474	12.42	8.82	
050817009 MW-411B QA/QC 2	5/8/2017	<0.50 U	<0.50 U	<0.50 U	<1.0 U	<0.50 U	<1.5 U	<0.50 U	<0.50 U	1.5	46.5	<0.089 U	0.91 J	268	1.4	20.1	<0.13 U	<0.21 U	<0.016 U	1.9 J	230 J	598,000	3.85	9.65	64.1	7.59	3.6474	12.42	8.82	
050817010 MW-410R	5/8/2017	<0.50 U	<0.50 U	<0.50 U	<1.0 U	<0.50 U	<1.5 U	<0.50 U	<0.50 U	2.2 J	426	<0.44 U	2.7 J	4,450	<0.20 U	1,060	<0.13 U	<1.0 U	<0.082 U	4,930	<95 U	80,600	0.14	4.12	-105.7	6.7	13.1646	12.23	7.65	
050817011 MW-409A	5/8/2017	<0.50 U	<0.50 U	<0.50 U	<1.0 U	<0.50 U	<1.5 U	<0.50 U	<0.50 U	3.4 J	586	<1.8 U	<7.9 U	7,050	3.3 J	1,150	<0.13 U	<4.2 U	<0.33 U	50.2	<95 U	402,000	0.17	2.25	-63.2	6.76	44.1646	12.67	7.46	
050817012 MW-409B	5/8/2017	<0.50 U	<0.50 U	<0.50 U	<1.0 U	<0.50 U	<1.5 U	<0.50 U	<0.50 U	1.1	35.6	<0.089 U	<0.39 U	20.8 J	<0.040 U	5.7	<0.13 U	<0.21 U	<0.016 U	<1.4 U	200 J	525,000	1.86	9.51	3.2	7.75	4.0038	13.36	4.42	
050817013 MW-408	5/8/2017	<0.50 U	<0.50 U	<0.50 U	<1.0 U	<0.50 U	<1.5 U	<0.50 U	<0.50 U	2.4 J	393	<0.44 U	<2.0 U	39,900	<0.20 U	3,690	<0.13 U	<1.0 U	<0.082 U	221	<95 U	183,000	0.14	1.89	-68.3	6.58	9.3625	12.39	26.65	
050817014 Equipment Blank	5/8/2017	<0.50 U	<0.50 U	<0.50 U	<1.0 U	<0.50 U	<1.5 U	<0.50 U	<0.50 U	<0.099 U	0.13 J	<0.089 U	<0.39 U	12.1 J	0.91 J	0.18 J	<0.13 U	<0.21 U	<0.016 U	<1.4 U	<95 U	< 1,000 U	--	--	--	--	--	--	--	
050917015 MW-402R	5/9/2017	564	83.2	20.3	66.4	41.6	108	51.1	<2.0 U	1.1 J	670	<0.44 U	<2.0 U	4,190	0.27 J	293	<0.13 U	2.6 J	<0.082 U	185	420	48,500 J	0.15	3.76	-68.2	7.13	11.6782	10.25	29.24	
050917016 MW-401BR	5/9/2017	<0.50 U	<0.50 U	<0.50 U	<1.0 U	<0.50 U	<1.5 U	<0.50 U	<0.50 U	0.69 J	30.9	<0.089 U	0.49 J	28.9 J	0.17 J	4.9	<0.13 U	<0.21 U	0.021 J	<1.4 U	270	1,340,000	2.11	10.41	71	7.48	3.8959	11.1	21.02	
050917017 MW-414	5/9/2017	<0.50 U	<0.50 U	<0.50 U	<1.0 U	<0.50 U	<1.5 U	<0.50 U	<0.50 U	4.2 J	463	3.1 J	3.3 J	142 J	3.5 J	480	<0.13 U	5.4	1.6 J	<1.4 U	730	82,300	0.22	4.64	119.6	6.97	12.6813	9.48	7.71	
050917018 MW-415B	5/9/2017	<0.50 U	<0.50 U	<0.50 U	<1.0 U	<0.50 U	<1.5 U	<0.50 U	<0.50 U	0.99 J	21.9	0.34 J	0.61 J	10.8 J	0.18 J	0.76 J	<0.13 U	<0.21 U	<0.016 U	<1.4 U	270	1,610,000	3.58	8.51	112.4	7.57	1.6284	12.59	11.88	
050917019 MW-415A	5/9/2017	<0.50 U	<0.50 U	<0.50 U	<1.0 U	<0.50 U	<1.5 U	<0.50 U	<0.50 U	0.44 J	108	0.15 J	0.83 J	61.0 J	0.39 J	1.3	<0.13 U	0.30 J	<0.016 U	<1.4 U	170 J	269,000	0.67	2.91	135.8	6.93	4.951	12.43	8.42	
050917020 MW-416	5/9/2017	<0.50 U	<0.50 U	<0.50 U	<1.0 U	<0.50 U	<1.5 U	<0.50 U	<0.50 U	4.2 J	419	<1.8 U	<7.9 U	1,490 J	<0.81 U	3,800	<0.13 U	<4.2 U	<0.33 U	335	<95 U	383,000	0.2	3.2	71.1	6.5	27.2607	12.59	7.7	
050917021 MW-416 QA/QC 3	5/9/2017	<0.50 U	<0.50 U	<0.50 U	<1.0 U	<0.50 U	<1.5 U	<0.50 U	<0.50 U	3.3 J	383	<1.8 U	<7.9 U	1,370 J	6.5 J	3,420	<0.13 U	<4.2 U	<0.33 U	352	<95 U	379,000	0.2	3.2	71.1	6.5	27.2607	12.59	7.7	
050917022 MW-406	5/9/2017	2.3	2.8	<0.50 U	<1.0 U	0.99 J	<1.5 U	<0.50 U	<0.50 U	2.4	158	<0.18 U	<0.79 U	1,030	<0.081 U	801	<0.13 U	<0.42 U	<0.033 U	120	<95 U	158,000	0.15	2.49	-42.6	6.99	14.2636	13.01	7.04	
050917023 MW-404	5/9/2017	194	120	0.66 J	11.1	21.1	32.3	22.9	2.9	1.4 J	163	<0.18 U	<0.79 U	1,500	<0.081 U	383	<0.13 U	<0.42 U	<0.033 U	80.6	290	260,000	0.19	1.76	3	6.75	8.8471	13.18	16.54	
050917024 MW-405B	5/9/2017	<0.50 U	<0.50 U	<0.50 U	<1.0 U	<0.50 U	<1.5 U	<0.50 U	<0.50 U	1.3 J	59.4	<0.44 U	2.0 J	188 J	0.38 J	176	<0.13 U	<1.0 U	<0.082 U	13.7	1,900	121,000	4.31	7.67	69.9	7.1	12.6682	13.85	14.67	
050917025 MW-403R	5/9/2017	2,410	156	132	216	123	339	40.8	<12.5 U	3.6 J	124	<0.44 U	<2.0 U	288 J	<0.20 U	289	<0.13 U	<1.0 U	<0.082 U	155	<95 U	1,150,000	0.15	2.21	-139.1	7.67	20.988	14.1	10.22	
050917026 Equipment Blank	5/9/2017	<0.50 U	<0.50 U	<0.50 U	<1.0 U	<0.50 U	<1.5 U	<0.50 U	<0.50 U	<0.099 U	0.074 J	<0.089 U	0.72 J	11.5 J	0.051 J	<0.18 U	<0.13 U	<0.21 U	<0.016 U	<1.4 U	<95 U	<1,000 U	--	--	--	--	--	--	--	
050917027 Trip Blank	5/9/2017	<0.50 U	<0.50 U	<0.50 U	<1.0 U	<0.50 U	<1.5 U	<0.50 U	<0.50 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
50917028 MW-401AR	5/9/2017	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	2.95	--	--	--	--	--	--	--
50917029 MW-405A	5/9/2017	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	2.9	--	--	--	--	--	--	--
50917030 SG01	5/9/2017	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	4.57	--	--	--	--	--	--	--

[O:ECK 6/8/17][C:ECK 6/12/17][A:BGH 6/12/17]

NOTES:
 -- = Analysis not performed
 < = Concentration is less than reported limit
 J = Concentration estimated
 U = Not detected
 QA/QC = Quality Assurance / Quality Control Field Duplicate
 SG = Staff Gauge

BTEX = Benzene, Toluene, Ethylbenzene and Xylene
 PAH = Polycyclic Aromatic Hydrocarbons
 RNA = Remediation by Natural Attenuation (lab and field)
 SVOC = Semi-Volatile Organic Compound
 VOC = Volatile Organic Compound

µg/L = micrograms per liter
 deg C = degrees Celsius
 mg/L = milligrams per liter
 mmhos/cm = millimhos per centimeter
 NTU = Nephelometric Turbidity Unit