



Wisconsin Public Service Corporation

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July 20, 2021

Ms. Jena Sleboda Braun
Project Manager
United States Environmental Protection Agency
77 W. Jackson Boulevard (SR-6J)
Chicago, Illinois 60604-3590

**RE: June 2021 Monthly Progress Report
Campmarina Former Manufactured Gas Plant
Sheboygan, Wisconsin
Wisconsin Public Services Corporation
CERCLA Docket No. V-W-07-C-862, CERCLIS ID – WIN000510058**

Dear Ms. Sleboda Braun:

Wisconsin Public Services Corporation (WPSC) is providing this monthly progress report for the WPSC Former Campmarina Manufactured Gas Plant (MGP) Site.

1) PROGRESS MADE DURING THE PAST MONTH

- Prepared and submitted May 2021 Monthly Progress Report to United States Environmental Protection Agency (USEPA) by June 26, 2021.
- Second quarter field-measured parameter and groundwater sampling event completed June 14, 2021.

2) ANALYTICAL AND OTHER TESTING RESULTS RECEIVED

- Groundwater analytical results summary table from the June 14, 2021 sampling event and a site map have been included with this monthly progress report.

3) PROJECTED WORK

WPSC Actions

- Submit monthly progress report to USEPA by the 26th of the month.

USEPA Actions

- As discussed on the April 30, 2020 conference call, determine a path for deferral of site authority to the State of Wisconsin.

4) PROBLEMS OR POTENTIAL PROBLEMS ENCOUNTERED

- None

Wisconsin Public Service Corporation | A subsidiary of the WEC Energy Group

5) ACTUAL OR PLANNED RESOLUTION OF PROBLEMS OR POTENTIAL PROBLEMS

- None

If you have any questions, please don't hesitate to contact me at (414) 221-2577 or glenn.luke@wecenergygroup.com.

Sincerely,



Glenn R. Luke, PE
Principal Environmental Consultant

Enclosures: Site Map
 Table 1. June 2021 Groundwater Analytical Results

For distribution to: Mr. John Feeney, WDNR (US Mail and email)
 Mr. Andrew Cawrse, Ramboll (email)



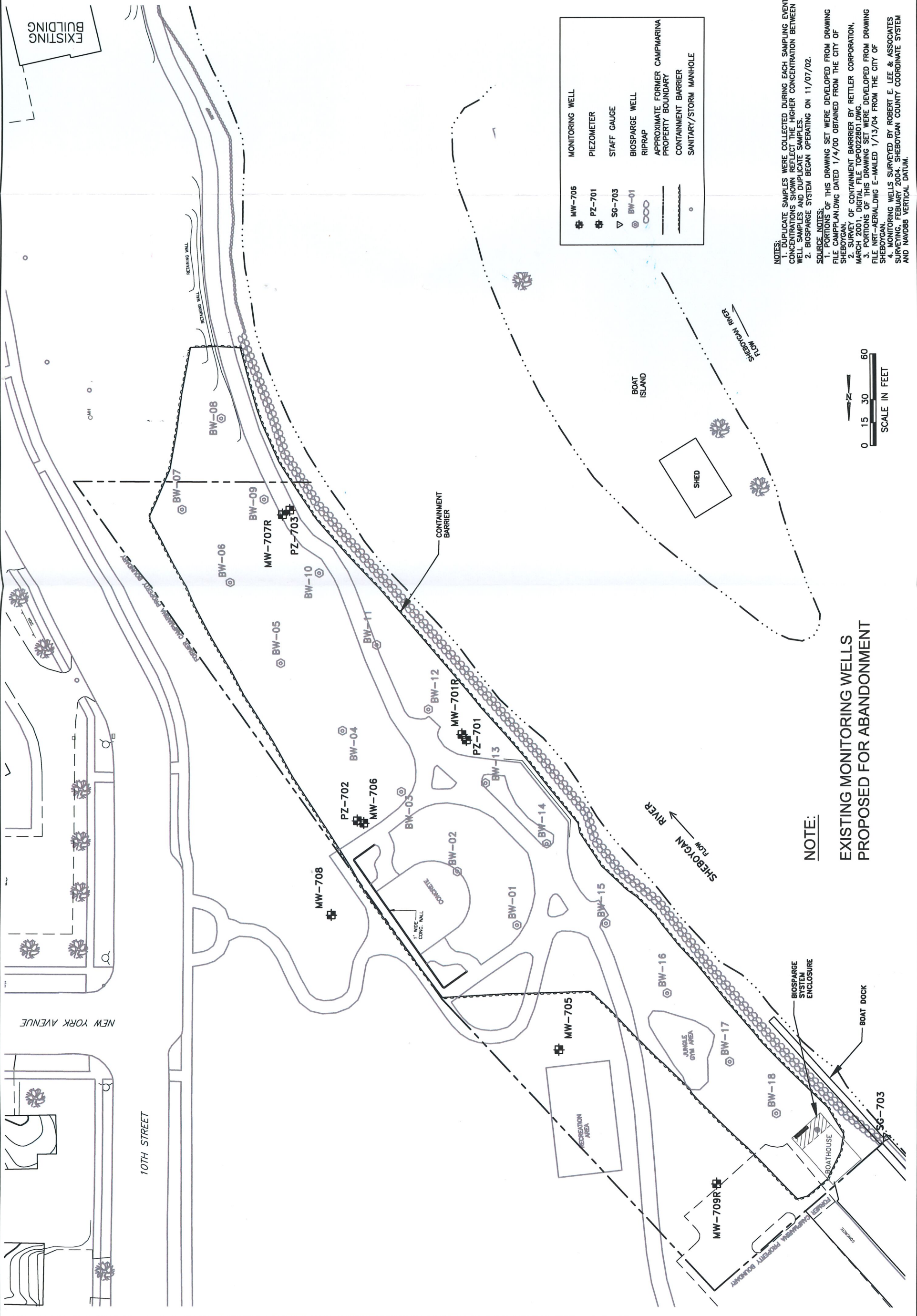
PROJECT NO.
67971

FIGURE NO.
1

MONITORING WELLS

BRTS #02-60-000095
CAMP MARINA MANUFACTURED GAS PLANT
SHEBOYGAN, WISCONSIN

DATE: 04/09/13	DRAWN BY: NWD
DATE: 04/09/13	CHECKED BY: JJW
DATE: 05/17/13	APPROVED BY: JMK
DRAWING NO: 1313-B-3-d-Monitoring Wells	
REFERENCE: SEE INFO BLOCK	



MW-706	MONITORING WELL
PZ-701	PIEZOMETER
SG-703	STAFF GAUGE
BW-01	BIOSPARGE WELL
	RIPRAP
	APPROXIMATE FORMER CAMP MARINA PROPERTY BOUNDARY
	CONTAINMENT BARRIER
	SANITARY/STORM MANHOLE

NOTES:

1. DUPLICATE SAMPLES WERE COLLECTED DURING EACH SAMPLING EVENT. CONCENTRATIONS SHOWN REFLECT THE HIGHER CONCENTRATION BETWEEN WELL SAMPLES AND DUPLICATE SAMPLES.
2. BIOSPARGE SYSTEM BEGAN OPERATING ON 11/07/02.

SOURCE NOTES:

1. PORTIONS OF THIS DRAWING SET WERE DEVELOPED FROM DRAWING FILE CAMPPLAN.DWG DATED 1/4/00 OBTAINED FROM THE CITY OF SHEBOYGAN.
2. SURVEY OF CONTAINMENT BARRIER BY RETTLER CORPORATION, MARCH 2001, DIGITAL FILE TOPO022801.DWG.
3. PORTIONS OF THIS DRAWING SET WERE DEVELOPED FROM DRAWING FILE NRT-AERIAL.DWG E-MAILED 1/13/04 FROM THE CITY OF SHEBOYGAN.
4. MONITORING WELLS SURVEYED BY ROBERT E. LEE & ASSOCIATES SURVEYING, FEBRUARY 2004. SHEBOYGAN COUNTY COORDINATE SYSTEM AND NAVD88 VERTICAL DATUM.



NOTE:

EXISTING MONITORING WELLS
PROPOSED FOR ABANDONMENT

on 14, 2020 2:17pm PLOTTED BY: CAMRSEAG, SAVED BY: ndraskovich
Y:\CADdata\Projects\1313\B-3-d-Monitoring Wells.dwg Layout1
XREFS: Y:\CADdata\Projects\1313\B-3-d-Monitoring Wells.dwg

Table 1. June 2021 Groundwater Analytical Results

June 2021 Monthly Progress Report
 Wisconsin Public Service Corporation
 Former Manufactured Gas Plant Site - Campmarina
 732 Water Street, Sheboygan, Wisconsin
 BRRTS#: 0260000095 | FID#: 460134950 | USEPA#: WIN000510058

9-digit Code	Sample Location	Sample Date	PAH	PAH	PAH	PAH	PAH	PAH	PAH	PAH	PAH	PAH	PAH	PAH	PAH	PAH	PAH	PAH	PAH	BTEX	BTEX	BTEX	BTEX	Inorganic	Inorganic	Organic	Field	Field	Field	Field	Field	Field	Field	Field
			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	Benzene	Ethylbenzene	Toluene	Xylenes, Total	Nitrogen, NO2 + NO3, Total	Sulfate, Total	Methane	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	µg/L	µg/L	µg/L	mg/L	feet	millivolts	s.u.	µS/cm	Deg C	NTUs		
			Result Flag	Result Flag	Result Flag	Result Flag	Result Flag	Result Flag	Result Flag	Result Flag	Result Flag	Result Flag	Result Flag	Result Flag	Result Flag	Result Flag	Result Flag	Result Flag	Result Flag	Result Flag	Result Flag	Result Flag	Result Flag	Result Flag	Result Flag	Result Flag	Result Flag	Result Flag	Result Flag	Result Flag	Result Flag	Result Flag	Result Flag	
Tap Water RSL:			1.1	36	530	530	1,800	0.03	0.025	0.25	120	2.5	25	0.025	800	290	0.25	0.12	1,800	120	0.46	1.5	1,100	190	NS	NS	NS	NS	NS	NS	NS	NS		
WI Groundwater SL:			NS	NS	NS	NS	3,000	NS	0.2	0.2	NS	NS	0.2	NS	400	400	NS	100	3,000	250	5	700	800	2,000	NS	NS	NS	NS	NS	NS	NS	NS		
WI Groundwater PAL:			NS	NS	NS	NS	600	NS	0.02	0.02	NS	NS	0.02	NS	80	80	NS	10	NS	50	0.5	140	160	400	2,000	125,000	NS	NS	NS	NS	NS	NS		
061421005/061421006 (N)	MW-701R	06/14/2021	147	124	98.3	1.1 J	10.9	1.4 U	2.0 U	1.1 U	1.3 U	1.4 U	2.4 U	1.9 U	3.6 J	19.4	3.3 U	902	36.6	4.4 J	3,440	335	15.4 J	189	59 U	2,200 U	7,450	0.06	5.07	-131.5	6.34	2,179	12.35	121.10
061421009	MW-706	06/14/2021	249	101	22.1	123	4.4 U	3.1 U	4.4 U	2.4 U	2.8 U	3.1 U	5.4 U	4.2 U	4.4 U	27.9	7.4 U	1,790	22.6 J	3.2 U	2,680	343	735	467	59 U	35,400	1.7 J	5.84	5.42	-143.5	7.04	929.2	13.31	0.00
061421003	MW-707R	06/14/2021	133	0.18 U	34.6	1.2	3.7	0.28 U	0.40 U	0.22 U	0.26 U	0.28 U	0.49 U	0.38 U	1.8 J	16.0	0.67 U	155	18.6	1.8	1,630	2,270	21.7	502	59 U	26,300	5,770	0.06	4.09	-213.7	6.91	1430.6	15.85	29.33
061421002	MW-708	06/14/2021	0.0058 U	0.0048 U	0.0060 U	0.0049 U	0.010 U	0.0074 U	0.010 U	0.0056 U	0.0066 U	0.0074 U	0.013 U	0.0098 U	0.010 U	0.0078 U	0.017 U	0.018 U	0.014 U	0.0075 U	0.30 U	0.33 U	0.29 U	1.0 U	59 U	86,900	0.84 J	1.51	10.32	51.4	7.06	3463.6	15.47	107.75
061421001	MW-709R	06/14/2021	0.0060 U	0.0055 J	0.0061 U	0.0050 U	0.011 U	0.0076 U	0.011 U	0.0058 U	0.0068 U	0.0076 U	0.013 U	0.010 U	0.011 U	0.0081 U	0.018 U	0.023 J	0.014 U	0.0077 U	0.30 U	0.33 U	0.29 U	1.1 J	59 U	7,200	1,930	0.08	4.51	-127.9	6.92	1899.5	12.64	4.46
061421007	PZ-701	06/14/2021	0.055	0.050	0.034	0.0071 J	0.010 U	0.0075 J	0.010 U	0.0056 U	0.0066 U	0.0074 U	0.013 U	0.0098 U	0.010 U	0.0078 U	0.017 U	0.32	0.020 J	0.0080 J	0.30 U	0.33 U	0.29 U	1.0 U	310	83,600	0.58 U	1.94	5.19	9.4	7.17	749.0	12.52	5.46
061421008	PZ-702	06/14/2021	0.017 J	0.013 J	0.0074 J	0.0048 U	0.010 U	0.0073 U	0.010 U	0.0056 U	0.0066 U	0.0073 U	0.013 U	0.0097 U	0.010 U	0.0077 U	0.017 U	0.054 J	0.013 U	0.0087 J	0.30 U	0.33 U	0.29 U	1.0 U	59 U	1,500 J	5.9	1.72	6.54	-62.2	7.37	184.0	13.83	7.66
061421004	PZ-703	06/14/2021	0.039	0.013 J	0.024 J	0.063	0.010 U	0.0073 U	0.010 U	0.0056 U	0.0066 U	0.0073 U	0.013 U	0.0097 U	0.010 U	0.052	0.017 U	0.072 J	0.013 J	0.0074 U	316	185	9.6	68.4	59 U	620 J	1,100	0.09	4.50	-160.2	7.14	540.4	13.04	1.38
Total Number of Samples Analyzed:			8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	10	8	8	8	8	8		
Number of Detections:			6	6	6	5	2	1	0	0	0	0	0	0	0	2	4	0	7	5	4	4	4	5	1	8	8	8	8	8	8	8		
Min:			0.017	0.0055	0.0074	0.0071	3.7	0.0075	NA	NA	NA	NA	NA	NA	1.8	0.052	NA	0.023	0.013	0.008	316	185	9.6	1.1	310	620	0.84	0.06	1.3	-213.7	6.34	184	12.35	0
Max:			249	124	98.3	123	10.9	0.0075	NA	NA	NA	NA	NA	3.6	27.9	NA	1,790	36.6	4.4	3,440	2,270	735	502	310	86,900	7,450	5.84	10.32	51.4	7.37	3,464	15.85	121.1	
Tap Water RSL:			1.1	36	530	530	1800	0.03	0.025	0.25	120	2.5	25	0.025	800	290	0.25	0.12	1800	120	0.46	1.5	1100	190	NS	NS	NS	NS	NS	NS	NS	NS	NS	
Number of Samples that Exceed Tap Water RSL:			3	2	0	0	0	0	0	0	0	0	0	0	0	0	4	0	0	4	4	0	2	0	0	0	0	0	0	0	0	0	0	0
Groundwater SL:			NS	NS	NS	NS	3000	NS	0.2	0.2	NS	NS	0.2	NS	400	400	NS	100	3000	250	5	700	800	2000	NS	NS	NS	NS	NS	NS	NS	NS	NS	
Number of Samples that Exceed Groundwater SL:			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	4	1	0	0	0	0	0	0	0	0	0	0	0	0
WI Groundwater PAL:			NS	NS	NS	NS	600	NS	0.02	0.02	NS	NS	0.02	NS	80	80	NS	10	NS	50	0.5	140	160	400	2000	125,000	NS	NS	NS	NS	NS	NS	NS	NS
Number of Samples that Exceed WI Groundwater PAL:			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	4	4	1	2	0	0	0	0	0	0	0	0	0	0

Sorted by sample location

Analyte concentration attains or exceeds the standard/screening level for:

Italic exceeds the Tap Water RSL

Bold exceeds the Groundwater SL

Underlined attains or exceeds the WI Groundwater PAL

Pink Highlighting Groundwater SL exceedance; results only attaining/exceeding the PAL and/or Tap Water criteria are not highlighted.

Yellow Highlighting analyte exceedance in statistics for one or more samples

Statistics exclude the quality control samples (Equipment and Trip blanks)

Results & Flags:

-- = Analysis not performed

J = Estimated Concentration

U = Concentration was not detected above the reported limit

NA = Not Applicable

Acronyms:

(N) = Normalized sample locations created from combining parent and field duplicate samples following EPA protocol

µg/L = micrograms per liter

µS/cm = microsiemens per centimeter (aka micromhos per centimeter)

BRRTS = Bureau for Remediation and Redevelopment Tracking System

BTEX = Benzene, Toluene, Ethylbenzene and Xylene

Deg C = degrees Celsius

EPA = Environmental Protection Agency

MCL = Maximum Contaminant Level

mg/L = milligrams per liter

MGP = Manufactured Gas Plant

NA = Not Applicable

NO2 + NO3 = nitrite plus nitrate

NS = No Screening Level/No Standard

NTU = Nephelometric Turbidity Unit

PAH = Polycyclic Aromatic Hydrocarbon

PAL = Preventive Action Limit

RAF = Risk Assessment Framework

RSL = Regional Screening Level

s.u. = standard units

SL = Screening Level

USEPA = United States Environmental Protection Agency

WI = Wisconsin

Screening Levels and Standards:

Screening Levels used on this table were presented in the Multi-Site Risk Assessment

Framework (RAF) Addendum Revision 6, issued in August 2017. Since that time, eight

revisions of the RSLs have been published by EPA through May 2021. As a result of

Field parameters were analyzed at time of sampling using an In Situ Aquatroll multiparameter sonde.

Lab comments, additional data qualifiers and definitions can be found in associated laboratory reports.

[G:LDH 7/7/21, C:CMD 7/8/21, QC: AGC 7/14/21]