

Wisconsin Public Service Corporation

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

www.wisconsinpublicservice.com

January 23, 2020

Ms. Terese Van Donsel Project Manager United States Environmental Protection Agency 77 W. Jackson Boulevard Chicago, Illinois 60604-3590

# RE: December 2019 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. Van Donsel:

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 November 2019 Monthly Progress Report to United States Environmental Protection Agency (USEPA) by December 26, 2019.
- Completed fourth quarter field-measured parameter and groundwater sampling event on December 3, 2019.

## 2) ANALYTICAL AND OTHER TESTING RESULTS RECEIVED

• Groundwater analytical results summary tables from the December 3, 2019 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**

None

## 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) 221-3948 or robert.paulson@wecenergygroup.com.

Sincerely,

Robert

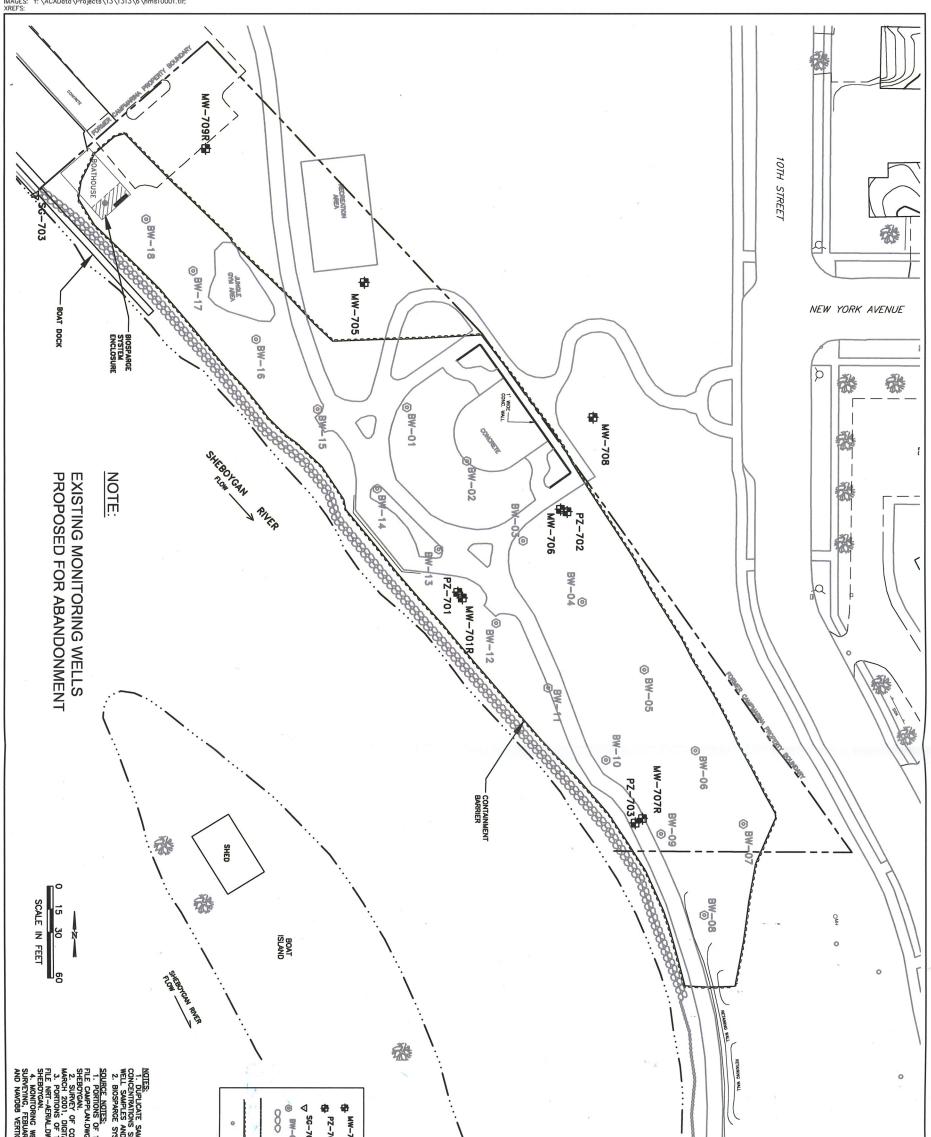
Robert Paulson

Enclosures:

Site Map December 2019 Groundwater Results Summary Tables

For distribution to:

Mr. John Feeney, WDNR (US Mail and email) Mr. Andrew Cawrse, Ramboll (email)



Jan 14, 2020 2:17pm PLOTTED BY: CAWRSEAG SAVED BY: ndraskovich Y: \ACAData\Projects\13\1313\B\1313-B-B.3.d-Monitoring Wells.dwg Layout1 IMAGES: Y: \ACAData\Projects\13\1313\6\hms10001.tif; XREFS:

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GUR	PROJECT 67971		X						APPROVED BY: JMK	DATE: 05/17/13
FIGURE NO	CT NO		BC					BRRTS #02-60-000095	DRAWING NO: 1313-8-6	B.3.d-Monitoring Wells
	O		F			С	AMI	P MARINA MANUFACTURED GAS PLANT SHEBOYGAN, WISCONSIN	REFERENCE: SEE INFO	BLOCK

### Table 1 - December 2019 Groundwater Sample Results

Wisconsin Public Service Corp., Former Manufactured Gas Plant Site - Campmarina 732 Water Street, Sheboygan, Wisconsin

BRRTS#: 0260000095 FID#: 460134950 USEPA#: WIN000510058

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Heat       Real       Real      Real       Real       <				Ē	Methyln	Acenaphthene	Acenaphthylene	Anthracene	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	enzo(g,	Benzo(k)fluoranthene	Chrysene	pe	Fluoranthene	Fluorene	deno(1,2,3-	Naphthalene	Phenanthrene	Pyrene
Image: product with biase in the state with the state wit			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
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Nitrondovaltrenzia         Nit	Sale Bas and As																	( Starting South			
Image water ASE       Image water ASE       Image Ase Ase Ase Ase Ase Ase Ase Ase Ase As			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
NMX-709R         12/2/2019         0.0057         1         0.0057         1         0.0058         0         0.0057         0         0.0057         0         0.0058         0         0.0057         0         0.0057         0         0.0057         0         0.0057         0         0.0057         0         0.0058         0         0.0057         0         0.0057         0         0.0057         0         0.0057         0         0.0057         0         0.0057         0         0.0058         0         0.0071         0         0.0057         0         0.0057         0         0.0057         0         0.0057         0         0.0057         0         0.0057         0         0.0057         0         0.0057         0         0.0057         0         0.0057         0         0.0057         0         0.0057         0         0.0057         0         0.0057         0         0.0057         0         0.0057         0         0.0057         0         0         0         0.0057         0         0.0057         0         0.0057         0         0.0057         0         0.0057         0         0.0057         0         0.0057         0         0.0057         0         <		<u>WI</u>	Groundwater PAL:	<u>NS</u>	<u>NS</u>	<u>NS</u>	<u>NS</u>	600	<u>NS</u>	0.02	<u>0.02</u>	NS	<u>NS</u>	0.02	<u>NS</u>	<u>80</u>	<u>80</u>		<u>10</u>	<u>NS</u>	<u>50</u>
201902       MW-708       12/1/2019       5.4       0.0056       0       0.0056       0       0.0016			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	0.17	1,800	120
201902       MW-708       12/1/2019       5.4       0.0056       0       0.0056       0       0.0016						19 - 19 - 19 - 19 - 19 - 19 - 19 - 19 -	Carlos a Press								S. Silver St			Sand Las			
MW-707k       Li/2/2019       5.4       0.05       0.017       0.016       0.005       0.007       0       0.017       0       0.017       0       0.017       0       0.017       0       0.017       0       0.017       0       0.017       0       0.017       0       0.017       0       0.017       0       0.017       0       0.017       0       0.017       0       0.007       0       0.011       0       0.018       0       0.0	120319001	MW-709R	12/3/2019	<0.0063 U	0.0057 J	<0.0065 U	<0.0054 U	<0.011 U	<0.0081 U	<0.011 U	<0.0062 U	0.012 J	<0.0081 U	<0.014 U	<0.011 U	<0.011 U	<0.0086 U	<0.019 U	<0.020	<0.015 U	0.0098 J
1000       1000       1000       1000       1000       1000       1000       10000       10000       10000       100000       100000       100000       100000       100000       1000000       100000       10000000       1000000       1000000 <th< td=""><td>120319002</td><td>MW-708</td><td>12/3/2019</td><td>&lt;0.0064 U</td><td>&lt;0.0053 U</td><td>&lt;0.0066 U</td><td>&lt;0.0054 U</td><td>&lt;0.011 U</td><td>&lt;0.0082 U</td><td>&lt;0.011 U</td><td>&lt;0.0062 U</td><td>&lt;0.0074 U</td><td>&lt;0.0082 U</td><td>&lt;0.014 U</td><td>&lt;0.011 U</td><td>&lt;0.012 U</td><td>&lt;0.0087 U</td><td>&lt;0.019 U</td><td>&lt;0.020 U</td><td>&lt;0.015 U</td><td>&lt;0.0083 U</td></th<>	120319002	MW-708	12/3/2019	<0.0064 U	<0.0053 U	<0.0066 U	<0.0054 U	<0.011 U	<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
2019005/2031900(0       MW-701k       12/3/2019       124       124       185       1       0.44       0       0.44       0       0.055       0       0.055       0       0.055       0       0.005       0 <th< td=""><td>120319003</td><td>MW-707R</td><td>12/3/2019</td><td>5.4</td><td>0.058</td><td>4.9</td><td>0.15</td><td>0.24</td><td>0.023 J</td><td>0.017 J</td><td>0.016 J</td><td>0.016 J</td><td>0.0094 J</td><td><u>0.029</u> J</td><td>&lt;0.010 U</td><td>0.20</td><td>1.3</td><td>&lt;0.018 U</td><td>7.3</td><td>0.64</td><td>0.35</td></th<>	120319003	MW-707R	12/3/2019	5.4	0.058	4.9	0.15	0.24	0.023 J	0.017 J	0.016 J	0.016 J	0.0094 J	<u>0.029</u> J	<0.010 U	0.20	1.3	<0.018 U	7.3	0.64	0.35
constrained         indicit         indit         indicit         indicit	120319004	PZ-703	12/3/2019	0.16	0.032	0.43	0.014 J	<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	0.083	<0.019 U	0.040 J	0.046 J	0.0084 J
27.702       12/3/2013       0.006 v       0.005 v       0.005 v       0.005 v       0.005 v       0.005 v       0.008 v       0.000 v       0.008 v       0.008 v <td>120319005/120319006 (N)</td> <td>MW-701R</td> <td>12/3/2019</td> <td>124</td> <td>112</td> <td>85.7</td> <td>1.0 J</td> <td>7.0</td> <td>0.44 J</td> <td>&lt;0.55 U</td> <td>&lt;0.30 U</td> <td>&lt;0.35 U</td> <td>&lt;0.39 U</td> <td>&lt;0.68 U</td> <td>&lt;0.52 U</td> <td>2.6 J</td> <td>18.9</td> <td>&lt;0.92 U</td> <td><u>821</u></td> <td>31.6</td> <td>4.0</td>	120319005/120319006 (N)	MW-701R	12/3/2019	124	112	85.7	1.0 J	7.0	0.44 J	<0.55 U	<0.30 U	<0.35 U	<0.39 U	<0.68 U	<0.52 U	2.6 J	18.9	<0.92 U	<u>821</u>	31.6	4.0
NMV-706       12/3/2019       154       163       7.9       111       5.3       1       0.8       1       0.97       1       0.97       1	120319007	PZ-701	12/3/2019	0.0093 J	0.0083 J	<0.0064 U	<0.0052 U	0.017 J	<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	0.043 J	<0.015 U	<0.0081 U
NMV-705     12/3/2019	120319008	PZ-702	12/3/2019	<0.0066 U	0.0056 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	0.026 J	<0.015 U	<0.0085 U
2031013       5G-703       12/3/2019   -	120319009	MW-706	12/3/2019	154	163	7.9	111	5.3 J	<0.84 U	<1.2 U	<u>1.3</u> J	0.97 J	1.3 J	<u>4.7</u> J	<1.1 U	4.0 J	26.8	<2.0 U	<u>1,280</u>	30.8	6.7
203100       EB01       12/3/2019	120319012	MW-705	12/3/2019											*							
2031001       T801       12/3/2019       -	120319013	SG-703	12/3/2019									·									
Total Number of Samples Analyzed: Number of Detections:         8	120319010	EB01	12/3/2019				-									<u></u>					
Number of Detections       5       7       4       4       4       2       1       2       3       2       2       0       3       4       0       6       4       5         Mine       0.0093       0.0056       0.036       0.43       0.014       0.017       0.023       0.017       0.016       0.016       0.024       0.029       0       0.0       0.083       0       0.026       0.046       0.008         Mine       154       163       85.7       111       7       0.44       0.17       0.13       0.7       4.7       0       4       26.8       0       0.26       0.026       0.036       0.026 <t< td=""><td>120319011</td><td>TB01</td><td>12/3/2019</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td> 1</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>	120319011	TB01	12/3/2019											1							
Number of Detections       5       7       4       4       4       2       1       2       3       2       2       0       3       4       0       6       4       5         Mine       0.0093       0.0056       0.036       0.43       0.014       0.017       0.023       0.017       0.016       0.016       0.024       0.029       0       0.0       0.083       0       0.026       0.046       0.008         Mine       154       163       85.7       111       7       0.44       0.17       0.13       0.7       4.7       0       4       26.8       0       0.26       0.026       0.036       0.026 <t< td=""><td></td><td></td><td></td><td>1</td><td></td><td>-</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>T</td><td></td><td></td><td></td></t<>				1		-												T			
Min:       0.093       0.0956       0.43       0.014       0.017       0.023       0.016       0.012       0.0094       0.029       0       0.2       0.083       0       0.026       0.043       0.004         Max       154       163       85.7       111       7       0.44       0.017       1.3       0.97       1.3       4.7       0       4       26.8       0       1,280       31.6       5.7         Groundwater SL       NS       NS       NS       NS       3,000       NS       0.2       NS       4.7       0       4       4.00       1.280       3.00       3.00       2.0       0.2       NS       0.2       NS       4.00       4.7       0       4       4.00       0       3.00       3.00       2.00       0.2       NS       4.00				_		-	-	-	_		-			8	8	8	8			8	
Max       154       163       85.7       111       7       0.44       0.017       1.3       0.97       1.3       4.7       0       4       25.8       0       1,280       31.6       6.7         Groundwater Ls       NS       NS       NS       NS       S,000       NS       0.2       NS       NS       4.00       400       400       NS       100       3,000       250         Number of Samples that Exceed Groundwater SL:       0       0       0       0       0       0       0       0       0       3,000       20       1.1       0       0       1.1       0       3,000       3,000       20       0.2       NS       0.2       NS       400       400       M00       M0       3,000       250         Number of Samples that Exceed Groundwater PAL:       NS       NS       600       NS       0.2       NS       1       0						-									-	-	-	-	-	-	
Groundwater SL:       NS       NS </td <td></td> <td></td> <td>12 M</td> <td></td> <td></td> <td></td> <td>and the second sec</td> <td></td> <td>to a construction of the second second</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>-</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>			12 M				and the second sec		to a construction of the second						-						
W1 Groundwater PAL:         NS         NS         NS         600         NS         0.02         NS         NS         80         NS         10         NS         50           Number of Samples that Exceed W1 Groundwater PAL:         0 </td <td></td> <td></td> <td>Contraction of the second second second second second second second</td> <td>and the second se</td> <td>NS</td> <td>and the second second</td> <td>second state of the second state of state of the second state of t</td> <td>3,000</td> <td>NS</td> <td>And the same transmission in the same state</td> <td>And the second statement of th</td> <td>NS</td> <td>and the state of t</td> <td>0.2</td> <td>NS</td> <td>400</td> <td>400</td> <td>NS</td> <td>100</td> <td>3,000</td> <td>250</td>			Contraction of the second second second second second second second	and the second se	NS	and the second	second state of the second state of state of the second state of t	3,000	NS	And the same transmission in the same state	And the second statement of th	NS	and the state of t	0.2	NS	400	400	NS	100	3,000	250
Number of Samples that Exceed W1 Groundwater PAL:         0         0         0         0         0         0         0         0         0         0         0         0         0         0         2         0         0         0         2         0         0         2         0         0         2         0         0         2         0         0         2         0         0         2         0         0         2         0         0         2         0         0         2         0         0         2         0         0         2         0         0         2         0         0         2         0         0         2         0         0         2         0         0         2         0         0         2         0         0         2         0         0         2         0         0         1         0         0         2         0         1         0         0         0         0         1         0         0         0         0         1         0         0         0         0         0         0         0         0         0         0         0         0 <th< td=""><td>Number of S</td><td></td><td></td><td>and a second second</td><td>Contraction of the second s</td><td>and the second se</td><td>Contract, in contract of the second s</td><td></td><td>and the subscription of a second second second second</td><td>-</td><td></td><td>to start match that a superior and the start at the</td><td></td><td>and the second se</td><td></td><td></td><td>and the second sec</td><td></td><td></td></th<>	Number of S			and a second	Contraction of the second s	and the second se	Contract, in contract of the second s		and the subscription of a second second second second	-		to start match that a superior and the start at the		and the second se			and the second sec				
Tap Water RSL:         1         36         530         1,800         0.025         0.25         120         3         25         800         290         0.17         1,800         120		the second state of the se								and a first second s		and the second se	and the second se		Contraction of the local division of the loc	A Date that is not the second s	and the second second second second second	the state of the second s	and the second se	the second s	
				0		and an other statements of the statement	And the second se	And a local data was a local data w	0	and the second se	THE R. P. LEWIS CO., LANSING MICH.		0	and a second	0		and the second se	0			
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Sorted by 9-digit Code

Analyte concentration exceeds the standard for:

 Bold
 exceeds Groundwater Screening Level

 Underlined
 exceeds Wisconsin Groundwater PAL

 Italic
 exceeds Tap Water RSL

 Pink Highlighting
 exceeds GW SL; results only exceeding the PAL and/or Tap Water criteria are not highlighted.

 Yellow Highlighting
 detected results exceed analyte SL in one or more samples

Statistics exclude the quality control samples (Field and Trip Blanks)

Lab comments and definitions can be found in associated laboratory report(s).

### Screening Levels:

Groundwater and Tap Water Screening Levels used on this table were presented in the Multi-Site Risk Assessment Framework (RAF) Addendum Revision 6 (Exponent, August 2017). Since that time, five (5) revisions of the RSLs have been published by EPA through November 2019. As a result of these five revisions, there were no updates to the RSLs

necessary for the MGP-related constituents evaluated in this table.

The Groundwater SL presented is the more conservative of the State and MCL values presented in the RAF Addendum Revision 6.

PAL from Chapter NR 140 for Groundwater Quality from Wisconsin Admin Code (Feb 2017)

PAL = Preventive Action Limit; results that attain or exceed this criteria are considered in exceedance of the PAL

MCLs = Maximum Contaminant Levels (MCL) national primary drinking water standards (U.S. EPA 2009) (http://water.epa.gov/drink/contaminants/index.cfm)

-- = Analysis not performed (N) = Normalized sample locations created from combining parent and field duplicate samples following EPA protocol < = Concentration is less than reported limit  $\mu g/L =$  micrograms per liter

μS/cm = microsiemens per centimeter (aka micromhos per centimeter) BTEX = Benzene, Toluene, Ethylbenzene and Xylene Deg C = degrees Celsius

- J = Estimated Concentration
- MCL = Maximum Contaminant Level
- mg/L = milligrams per liter

NS = No Screening Level NTU = Nephelometric Turbidity Unit PAH = Polycyclic Aromatic Hydrocarbon PAL = Preventive Action Limit RAF = Risk Assessment Framework RNA = Remediation by Natural Attenuation (lab and field) RSL = Regional Screening Level (EPA) s.u. = standard units SL = Screening Level U = Concentration was not detected above the reported limit VOC = Volatile Organic Compound

1. 2

Wisconsin Public Service Corp., Former Manufactured Gas Plant Site - Campmarina 732 Water Street, Sheboygan, Wisconsin BRRTS#: 0260000095 FID#: 460134950 USEPA#: WIN000510058

-			BTEX		BTEX	BTEX	BTEX	Inorganic	Inorganic	Organic	RNA	RNA	RNA	RNA	RNA	RNA	RNA
9-Digit Code	Sample Location	Sample Date	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	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
		Groundwater SL:	5		700	800	2,000	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	<u>WI</u>	Groundwater PAL:	<u>0.5</u>		<u>140</u>	<u>160</u>	400	2,000	125,000	<u>NS</u>	NS	NS	<u>NS</u>	<u>NS</u>	NS	<u>NS</u>	<u>NS</u>
		Tap Water RSL:	0.46		1.5	1,100	190	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
								the state state		Star In Star					Para Santa		
120319001	MW-709R	12/3/2019	<0.25	U	<0.22 U	0.22 J	<1.5 U	<59 U	8,300 J	3,750	0.14	4.20	-110.8	6.35	2036.1	15.61	8.18
120319002	MW-708	12/3/2019	<0.25	U	<0.22 U	<0.17 U	<1.5 U	200 J	12,900	<0.66 U	5.31	8.45	45.9	6.48	1941.8	16.63	8.73
120319003	MW-707R	12/3/2019	<u>269</u>		<u>285</u>	3.1 J	46.2	64 J	<u>196,000</u>	1,720	0.65	3.81	-37.5	6.40	1636.8	15.90	8.35
120319004	PZ-703	12/3/2019	<u>279</u>		<b>131</b>	7.2 J	51.0	<59 U	800 J	2,120	0.20	3.97	-92.6	6.69	632.7	14.89	6.37
120319005/120319006 (N)	MW-701R	12/3/2019	<u>2,920</u>		<u>245</u>	11.5 J	134	<59 U	2,900 J	10,800	0.10	5.76	-86.5	5.72	2326.1	16.35	12.98
120319007	PZ-701	12/3/2019	<0.25	U	<0.22 U	<0.17 U	<1.5 U	110 J	112,000	11.1	0.37	4.82	-24.8	6.42	881.8	15.81	8.94
120319008	PZ-702	12/3/2019	<0.25	U	<0.22 U	<0.17 U	<1.5 U	<59 U	1,500 J	12.7	0.53	5.71	-12.4	6.92	242.0	15.40	7.40
120319009	MW-706	12/3/2019	2,010		<u>437</u>	<u>1,430</u>	<u>485</u>	260	118,000	2.6 J	0.12	7.43	-129.7	6.24	1205.8	16.79	5.74
120319012	MW-705	12/3/2019							·			5.70					
120319013	SG-703	12/3/2019										0.45					
120319010	EB01	12/3/2019	<0.25	U	<0.22 U	<0.17 U	<1.5 U										
120319011	<0.25	U	<0.22 U	0.21 J	<1.5 U			<0.66 U				· · · ·					
	Total Number of	Samples Analyzed:	8		8	8	8	8	8	8	8	10	8	8	8	8	8
	ber of Detections:	4		4	5	4	4	8	7	8	10	8	8	8	8	8	
	269 2,920		131 437	0.22 1,430	46.2 485	64 260	800 196,000	2.6 10,800	0.1 5.31	0.45 8.45	-129.7 45.9	5.72 6.92	242 2,326	14.89 16.79	5.74 12.98		
	A COLOR MAN AND A COLOR OF A	Max:	Contraction of the second second second	and the second second	Contraction of the local data in the local data in the local data and the local data and the local data and the		and the second se										

				-					10	0	0	0		
Min:	269	131	0.22	46.2	64	800	2.6	0.1	0.45	-129.7	5.72	242	14.89	5.74
Max:	2,920	437	1,430	485	260	196,000	10,800	5.31	8.45	45.9	6.92	2,326	16.79	12.98
Groundwater SL:	5	700	800	2,000	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Number of Samples that Exceed Groundwater SL:	4	0	1	0	0	0	0	0	0	0	0	0	0	0
WI Groundwater PAL:	0.5	140	160	400	2,000	125,000	NS	NS	NS	NS	NS	NS	NS	NS
Number of Samples that Exceed WI Groundwater PAL:	4	3	1	1	0	1	0	0	0	0	0	0	0	0
Tap Water RSL:	0.46	1.5	1100	190	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Number of Samples that Exceed Tap Water RSL:	4	4	1	1	0	0	0	0	0	0	0	0	0	0
												[O:CMD 1/	/8/20, C:CMD 1/8/2	20, QC:AGC 1/9/20]

Sorted by 9-digit Code

Analyte concentration exceeds the standard for:

exceeds Groundwater Screening Level Bold exceeds Wisconsin Groundwater PAL Underlined exceeds Tap Water RSL Italic exceeds GW SL; results only exceeding the PAL and/or Tap Water criteria are not highlighted. Pink Highlighting Yellow Highlighting detected results exceed analyte SL in one or more samples

Statistics exclude the quality control samples (Field and Trip Blanks)

Lab comments and definitions can be found in associated laboratory report(s).

### Screening Levels:

Groundwater and Tap Water Screening Levels used on this table were presented in the Multi-Site Risk Assessment Framework (RAF) Addendum Revision 6 (Exponent, August 2017). Since that time, five (5) revisions of the RSLs have been published by EPA through November 2019. As a result of these five revisions, there were no updates to the RSLs

necessary for the MGP-related constituents evaluated in this table.

The Groundwater SL presented is the more conservative of the State and MCL values presented in the RAF Addendum Revision 6.

PAL from Chapter NR 140 for Groundwater Quality from Wisconsin Admin Code (Feb 2017)

PAL = Preventive Action Limit; results that attain or exceed this criteria are considered in exceedance of the PAL

MCLs = Maximum Contaminant Levels (MCL) national primary drinking water standards (U.S. EPA 2009) (http://water.epa.gov/drink/contaminants/index.cfm)

-- = Analysis not performed (N) = Normalized sample locations created from combining parent and field duplicate samples following EPA protocol < = Concentration is less than reported limit µg/L = micrograms per liter µS/cm = microsiemens per centimeter (aka micromhos per centimeter) BTEX = Benzene, Toluene, Ethylbenzene and Xylene Deg C = degrees Celsius

## J = Estimated Concentration MCL = Maximum Contaminant Level

mg/L = milligrams per liter

#### NS = No Screening Level NTU = Nephelometric Turbidity Unit PAH = Polycyclic Aromatic Hydrocarbon PAL = Preventive Action Limit RAF = Risk Assessment Framework RNA = Remediation by Natural Attenuation (lab and field) RSL = Regional Screening Level (EPA) s.u. = standard units

SL = Screening Level

U = Concentration was not detected above the reported limit

VOC = Volatile Organic Compound

