

From: Dombrowski, Frank J <frank.dombrowski@wecenergygroup.com>
Sent: Monday, February 13, 2023 1:50 PM
To: gielniewski.margaret@epa.gov
Cc: Marcus D Byker; DNR RR NER; Korpela, Adrienne/MKE; Krueger, Sarah E - DNR
Subject: RE: WPSC Marinette Former MGP - Jan. 2023 Monthly Progress Report (CERCLA Docket No. V-W-18-C-009)
Attachments: 2023-02-13 WPSC-USEPA January 2023 WPSC Marinette Monthly Progress Report.pdf

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Hi Margaret,

Please find attached the January 2023 monthly progress report for the WPSC Marinette, WI Former MGP Site.

As always, if you have any questions or if additional information is needed, please let me know.

Thank you,

Frank Dombrowski
Principal Environmental Consultant

WEC Energy Group - Business Services
Environmental Dept. - Land Quality Group
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Serving WEC Energy Group, We Energies, Wisconsin Public Service, Michigan Gas Utilities, Minnesota Energy Resources, Peoples Gas and North Shore Gas



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February 13, 2023

Ms. Margaret Gielniewski
Remedial Project Manager
United States Environmental Protection Agency
77 W. Jackson Blvd.
Chicago, Illinois 60604-3590

**RE: January 2023 Monthly Progress Report
Marinette Former Manufactured Gas Plant
Marinette, Wisconsin
Wisconsin Public Service Corporation
CERCLA Docket No V-W-18-C-009, Site Spill ID – B5BT,
CERCLIS ID – WIN000509952**

Dear Ms. Gielniewski:

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

1) PROGRESS MADE DURING THE PAST MONTH

- Prepared and submitted December 2022 Monthly Progress Report to United States Environmental Protection Agency (USEPA) by December 15, 2022.
- Submitted Focused Feasibility Study, Revision 1 to USEPA on January 13, 2022.

2) ANALYTICAL AND OTHER TESTING RESULTS RECEIVED

- Received laboratory data packages from October 2022 groundwater sampling event and imported into the site database. Data is attached to this progress report.

3) PROJECTED WORK

WPSC Actions

- Submit monthly progress report to USEPA by the 15th of the month.

USEPA Actions

- Review Focused Feasibility Study, Revision 1 and provide comments or approval

4) PROBLEMS OR POTENTIAL PROBLEMS ENCOUNTERED

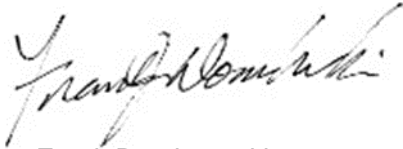
- None

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) 221-2156 or via email at frank.dombrowski@wecenergygroup.com.

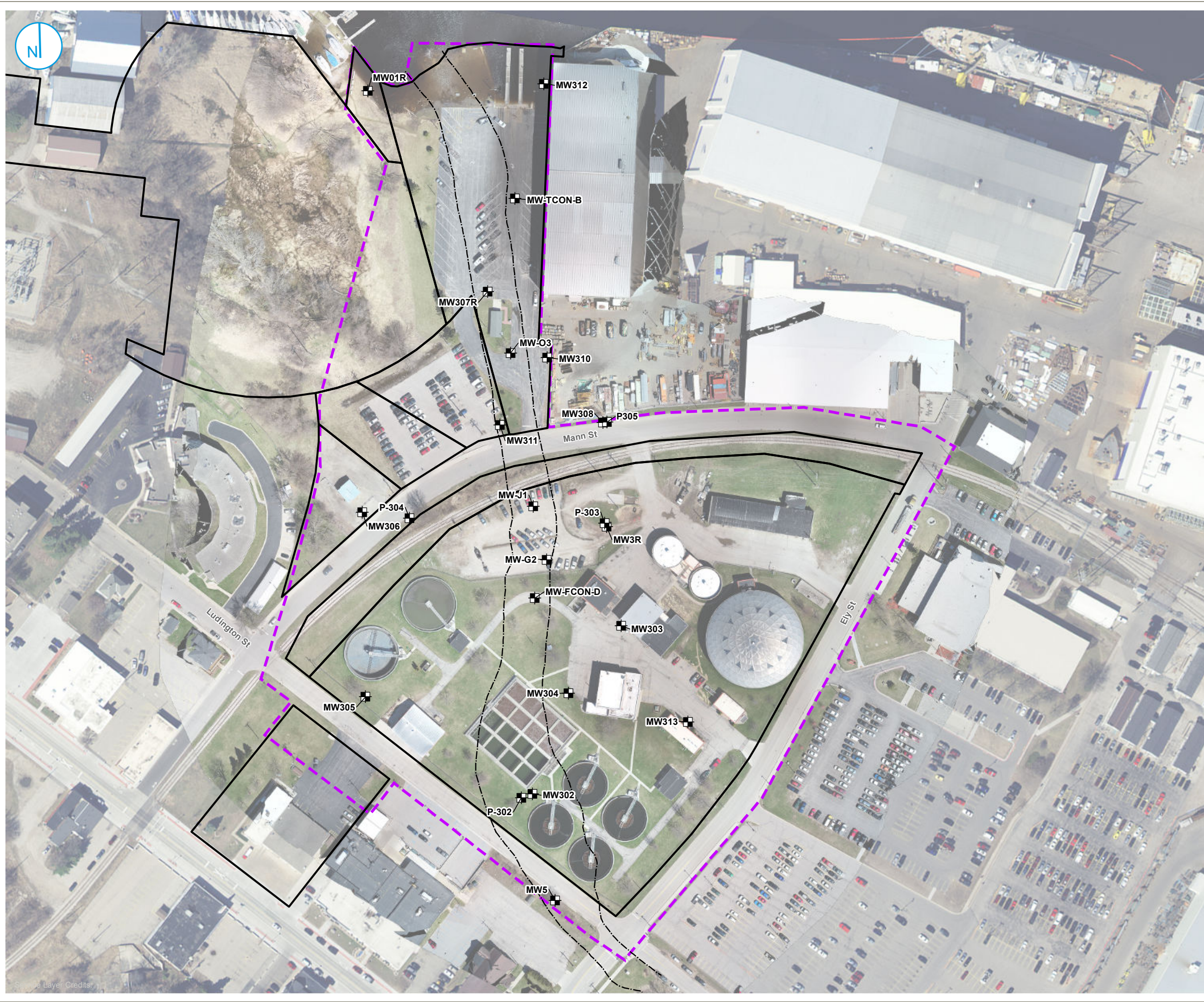
Sincerely,







Frank Dombrowski
Principal Environmental Consultant
WEC Business Services – Environmental Dept.

Enclosures: Figure 1 – Monitoring Wells
 Table 1 – October 2022 Groundwater Analytical Results Compared to the
 Groundwater Standard, Tap Water Criteria, and WI PAL
 Marinette MGP Groundwater Level IV Data Package (on SharePoint)
 [Marinette MGP January 2023 SharePoint](#)

For distribution to: Ms. Sarah Krueger, WDNR (via US Mail and email)
 WDNR Northeast Region (via email to DNRRRNER@wisconsin.gov)
 Ms. Adrienne Korpela, Jacobs (via email)
 Mr. Marcus Byker, Ramboll (via email)



-  EXISTING MONITORING WELL LOCATION
-  FORMER SLOUGH/ LOG RUN
-  PARCEL BOUNDARY (MARINETTE COUNTY, ACCESSED 7/16/2018)
-  APPROXIMATE EXTENT OF UPLAND SITE



MONITORING WELLS

WSPC MARINETTE FORMER MGP SITE
MARINETTE, WISCONSIN

FIGURE 1



Table 1. Groundwater Analytical Results Compared to the Groundwater Standard, Tap Water Criteria, and WI PAL

Monthly Progress Report - October 2022 Sample Results
 Wisconsin Public Service Corporation
 Marinette Former MGP
 Marinette, Wisconsin
 BRRTS# 0238000047 CERCLIS ID: WIN000509952

9-digit Code	Sample Location	Sample Date	Metal		Metal		Metal		Metal		Inorganic		Inorganic		Inorganic		Organic		Field		Field		Field		Field		Field		Field		
			Nickel, Dissolved	Silver, Dissolved	Vanadium, Dissolved	Zinc, Dissolved	Alkalinity, 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	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			
WI Groundwater SL:			100		50		30		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		
WI Groundwater PAL:			20		10		6		2,500		NS		2,000		125,000		NS		NS		NS		NS		NS		NS		NS		
Tap Water RSL:			390		94		86		6,000		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		
101222015	MW01R	10/12/2022	0.57	U	0.25	U	1.4	J	20.7	U	522,000		59	U	2,900	J	9,570		0.11		4.28		161.4		6.70		1231.7		13.77		0.00
101322026	MW03	10/13/2022	--		--		--		--		--		--		--		--		--		4.67		--		--		--		--		
101222014	MW03R	10/12/2022	2.5		0.25	U	0.93	J	26.4	J	428,000		330		58,300		59.6		0.14		5.04		168.7		6.78		1039.9		16.12		13.48
101222009	MW05	10/12/2022	1.6	J	0.25	U	0.63	U	20.7	U	238,000		1,500		65,300		0.58	U	0.14		7.23		186.3		7.22		2097		13.39		0.00
101222002	MW302	10/11/2022	1.6	J	0.25	U	0.63	U	20.7	U	320,000		59	U	43,200		30.9		0.19		12.34		175.6		6.48		1564.8		18.59		10.63
101222006	MW303	10/11/2022	1.3	J	0.25	U	1.8	J	20.7	U	462,000		59	U	25,700		690		0.35		4.06		87.0		7.36		1696.6		18.34		0.00
101222004	MW304	10/11/2022	2.9		0.41	J	3.7		20.7	U	418,000		59	U	39,900		983		0.07		6.68		88.5		7.25		1413.4		16.84		6.96
101222001	MW305	10/11/2022	1.1	J	0.33	J	1.4	J	30.3	J	303,000		4,700		88,700		0.58	U	2.35		14.83		172.0		7.30		2679.7		16.61		14.04
101222013	MW306	10/12/2022	0.60	J	0.25	U	4.6		20.7	U	320,000		59	U	2,500	J	4,720		0.08		4.28		112.1		7.00		866.5		15.62		0.00
101222016	MW307R	10/12/2022	0.57	U	0.25	U	0.63	U	20.7	U	193,000		59	U	2,200	U	7,990		0.10		4.34		105.3		7.24		572.6		16.97		51.14
101222010/101222011 (N)	MW308	10/12/2022	14.7		0.25	U	1.0	J	337		744,000		250		173,000		224		0.21		6.03		204.4		6.69		11027.3		16.44		0.00
101222018	MW310	10/12/2022	1.1	J	0.25	U	4.6		20.7	U	590,000		59	U	60,600	J	2,560		0.08		5.20		124.4		6.98		2219.2		15.76		0.00
101222019/101222020 (N)	MW311	10/12/2022	0.84	J	0.25	U	1.8	J	112		663,000		59	U	2,200	U	13,000		0.10		5.04		124.3		6.77		3867.6		16.71		0.00
101222017	MW312	10/12/2022	0.57	U	0.25	U	0.70	J	20.7	U	930,000		59	U	5,400	J	14,400		0.12		2.45		149.3		6.74		2463.5		15.09		0.00
101222005	MW313	10/11/2022	1.8	J	0.25	U	2.6		20.7	U	444,000		59	U	26,100		3,740		0.11		4.22		98.1		6.79		1260.9		17.18		7.08
101222007	MWFCOND	10/11/2022	--		--		--		--		--		--		--		--		--		7.64		--		--		--		--		
101222021	MWG2	10/12/2022	--		--		--		--		--		--		--		--		--		6.49		--		--		--		--		
101222022/101222023 (N)	MWJ1	10/12/2022	--		--		--		--		--		--		--		--		--		8.60		--		--		--		--		
101222024	MWTCONB	10/12/2022	--		--		--		--		--		--		--		--		--		4.35		--		--		--		--		
101222003	P302	10/11/2022	0.58	J	0.25	U	0.63	U	20.7	U	247,000		130	J	59,900		4.5		0.34		12.75		165.0		6.79		1318.8		14.64		10.92
101322028	P303	10/13/2022	--		--		--		--		--		--		--		--		--		33.04		--		--		--		--		
101322027	P304	10/13/2022	--		--		--		--		--		--		--		--		--		33.59		--		--		--		--		
101222012	P305	10/12/2022	2.2		0.25	U	0.76	J	20.9	J	391,000		59	U	14,000		202		0.19		6.01		170.4		7.13		2032.8		14.52		0.00
Total Number of Samples Analyzed:			16		16		16		16		16		16		16		16		16		23		16		16		16		16		16
Number of Detections:			13		2		12		5		16		5		14		14		16		23		16		16		16		16		16
Min:			0.58		0.33		0.7		20.9		193,000		130		2,500		4.5		0.07		2.45		87		6.48		572.6		13.39		0
Max:			14.7		0.41		4.6		337		930,000		4,700		173,000		14,400		2.35		33.59		204.4		7.36		11,027		18.59		51.14
WI Groundwater SL:			100		50		30		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS
Number of Samples that Exceed WI Groundwater SL:			0		0		0		0		0		0		0		0		0		0		0		0		0		0		0
WI Groundwater PAL:			20		10		6		2500		NS		2000		125000		NS		NS		NS		NS		NS		NS		NS		NS
Number of Samples that Exceed WI Groundwater PAL:			0		0		0		0		0		1		1		0		0		0		0		0		0		0		0
Tap Water RSL:			390		94		86		6000		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS
Number of Samples that Exceed Tap Water RSL:			0		0		0		0		0		0		0		0		0		0		0		0		0		0		0

[O:MGP 12/8/22, C:ECB 12/13/22]

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

Bold	WI Groundwater SL
<u>Underline</u>	WI Groundwater PAL
<i>Italic</i>	Tap Water RSL
Pink Highlighting	result exceeds the WI Groundwater SL; results only exceeding the PAL and/or Tap Water criteria are not highlighted.
Yellow Highlighting	analyte exceedance in statistics for one or more samples

Screening Levels and Standards:

PAL from WI Administrative Code NR 140 groundwater quality standard revised effective January 2020. Results that attain or exceed the PAL are considered to be in exceedance. Groundwater and Tap Water 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, nine revisions of the RSLs have been published by EPA through May 2022. The RSLs necessary for the MGP-related constituents evaluated in this table are up to date with the most recent revision.

Groundwater stabilization parameters / water-quality-indicator parameters were analyzed at time of sampling using an InSitu Aquatroll Multiparameter sonde. Lab comments, additional data qualifiers and definitions can be found in associated laboratory reports.

Results & Flags:

-- = Analysis not performed
 J = Estimated concentration
 U = Concentration was not detected above the reported limit

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 (micromhos per centimeter or µmhos/cm)
 BRRTS = Bureau for Remediation and Redevelopment Tracking System
 BTEX = Benzene, Toluene, Ethylbenzene and Xylene
 CERCLIS = Comprehensive Environmental Response, Compensation, and Liability Information System
 Deg C = degrees Celsius
 EPA = Environmental Protection Agency
 GW = Groundwater
 mg/L = milligrams per liter

MGP = manufactured gas plant
 NA = Not Applicable
 NO2 + NO3 = nitrite plus nitrate
 NS = No Standard or Screening Level
 NTU = Nephelometric Turbidity Unit
 PAH = Polycyclic Aromatic Hydrocarbon
 PAL = Preventive Action Limit
 RSL = Regional Screening Level
 s.u. = standard units
 SL = Screening Level
 USEPA = United States Environmental Protection Agency
 VISLs = Vapor Intrusion Screening Levels
 WI = Wisconsin