Table 1
Depth to Water and Water Level Elevations
Tower Standard
Lac du Flambeau, WI

Depth to Water (feet) below Reference Elevation

Date	MW1 (LDF)	MW2 (LDF)	MW3 (LDF)	MW16	MW16@37-42	MW17	MW17@31-36	MW18	MW18@35-40	MW19	MW19@35-40	MW20	MW20@20-25	MW21	MW21@35-40	MW22	MW22@35-40
11/10/2015	6.58	9.10	6.87							8.97	9.26	7.63	7.85	7.42	7.81		
11/11/2015																7.19	8.06
11/17/2015				2.02	1.91	8.01	8.44	9.48	9.90								
4/26/2016	5.58	8.60	5.84	2.10	2.05	8.00	8.64	9.50	11.52	8.45	8.79	7.18	7.39	6.95	7.33	6.99	8.07
7/26/2016	6.15	9.02	6.73	2.33	2.15	8.56	8.90	10.10	10.29	8.99	9.25	7.61	7.84	7.39	7.78	7.71	8.43

Measuring Point Elevations (top of well casing)

Elevations referenced to a U S G.S. Benchmark (feet MSL) - provided by others

Top of Casing	1575.57	1577.84	1575.50	1569.20	1569.14	1575.98	1575.99	1577.53	1577.55	1576.61	1576.92	1575.31	1575.53	1575.11	1575.47	1575.98	1576.18
Top of Screen				1574.17	1537.84	1570.94	1537.70	1561.73	1541.98	1569.45	1542.53	1573.01	1556.61	1572.37	1540.31	1571.07	1540.61
Bottom of Screen				1564.17	1532.84	1560.94	1532.70	1551.73	1536.98	1559.45	1537.53	1563.01	1551.61	1562.37	1535.31	1561.07	1535.61
Screen Length				10.00	5.00	10.00	5.00	10.00	5.00	10.00	5.00	10.00	5.00	10.00	5.00	10.00	5.00

Ground Surface Elevation

Initial Survey	1572.66	1578.15	1575.63	1569.60	1569.50	1576.44	1576.26	1575.00	1575.15	1574.15	1574.31	1575.89	1575.87	1575.65	1575.72	1576.60	1576.61

Depth to Water (feet) below Top of Casing

Average	6.58	9.10	6.87	2.02	1.91	8.01	8.44	9.48	9.90	8.97	9.26	7.63	7.85	7.42	7.81	7.19	8.06
Maximum	6.58	9.10	6.87	2.33	2.15	8.56	8.90	10.10	11.52	8.99	9.26	7.63	7.85	7.42	7.81	7.71	8.43
Minimum	5.58	8.60	5.84	2.02	1.91	8.00	8.44	9.48	9.90	8.45	8.79	7.18	7.39	6.95	7.33	6.99	8.06
Range	1.00	0.50	1.03	0.31	0.24	0.56	0.46	0.62	1.62	0.54	0.47	0.45	0.46	0.47	0.48	0.72	0.37

Water Level Elevation (feet MSL)

Date	MW1 (LDF)	MW2 (LDF)	MW3 (LDF)	MW16	MW16@37-42	MW17	MW17@31-36	MW18	MW18@35-40	MW19	MW19@35-40	MW20	MW20@20-25	MW21	MW21@35-40	MW22	MW22@35-40
11/10/2015	1568.99	1568.74	1568.63							1567.64	1567.66	1567.68	1567.68	1567.69	1567.66		
11/11/2015																1568.79	1568.12
11/17/2015				1567.18	1567.23	1567.97	1567.55	1568.05	1567.65								
4/26/2016	1569.99	1569.24	1569.66	1567.10	1567.09	1567.98	1567.35	1568.03	1566.03	1568.16	1568.13	1568.13	1568.14	1568.16	1568.14	1568.99	1568.11
7/26/2016	1569.42	1568.82	1568.77	1566.87	1566.99	1567.42	1567.09	1567.43	1567.26	1567.62	1567.67	1567.70	1567.69	1567.72	1567.69	1568.27	1567.75

EPA-R5-2017-010506_0002780

Table 2a
Vertical Gradient Documentation
Tower Standard
Lac du Flambeau, WI

	Piezometer Depth	Water Level Elevation	Elevation Difference	Vertical Difference	Vertical Gradient ft/ft (+/-)
		April 26, 2016			
MW16		1,567.10	0.01	31.76	-0.0003
MW16@37-42	42'	1567.09			
MW17		1567.98	0.63	32.78	-0.0192
MW17@31-36	36'	1567.35			
MW18		1568.03	2.00	28.55	-0.0701
MW18@35-40	40'	1566.03			
MW19		1568.16	0.03	28.13	-0.0011
MW19@35-40	40'	1568.13			
MW20		1568.13	-0.01	14.03	0.0007
MW20@20-25	25'	1568.14			
MW21		1568.16	0.02	30.33	-0.0007
MW21@35-40	40'	1568.14			
MW22		1568.99	0.88	30.88	-0.0285
MW22@35-40	40'	1568.11			

Piezometer midpoint calculated from center of well screen

\\reiengineering.com\data\projects\0900-0999\0903-Tower\Working Reports\August 2016 update report\[903CCt1, t2, Fig 4.xls]VG 4-26-16

EPA-R5-2017-010506_0002780

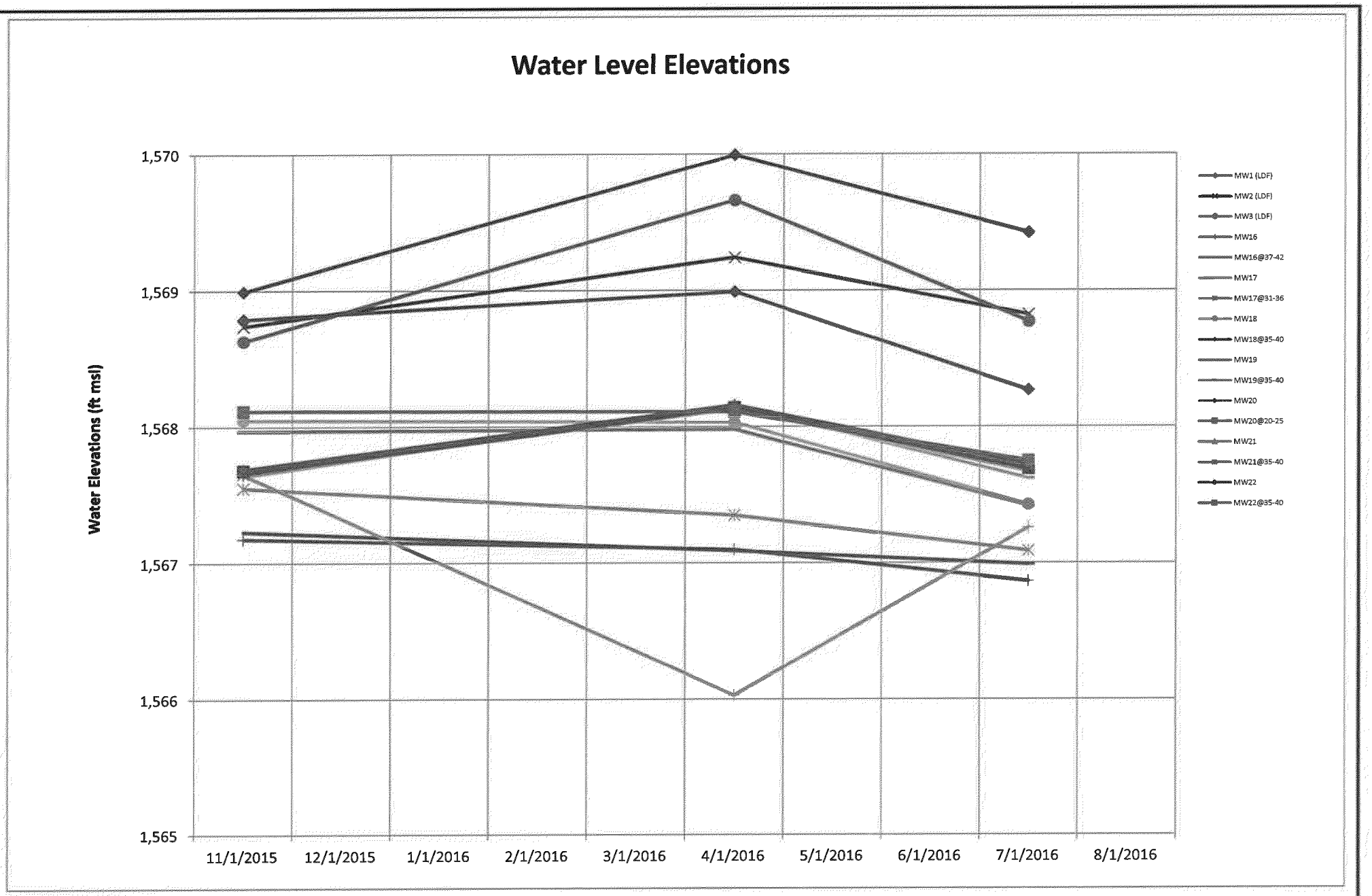
Table 2b
Vertical Gradient Documentation
Tower Standard
Lac du Flambeau, WI

	Piezometer Depth	Water Level Elevation	Elevation Difference	Vertical Difference	Vertical Gradient ft/ft (+/-)
July 26, 2016					
MW16		1,566.87	-0.12	31.76	0.0038
MW16@37-42	42'	1566.99			
MW17		1567.42	0.33	32.78	-0.0101
MW17@31-36	36'	1567.09			
MW18		1567.43	0.17	28.55	-0.0060
MW18@35-40	40'	1567.26			
MW19		1567.62	-0.05	28.13	0.0018
MW19@35-40	40'	1567.67			
MW20		1567.70	0.01	14.03	-0.0007
MW20@20-25	25'	1567.69			
MW21		1567.72	0.03	30.33	-0.0010
MW21@35-40	40'	1567.69			
MW22		1568.27	0.52	30.88	-0.0168
MW22@35-40	40'	1567.75			

Piezometer midpoint calculated from center of well screen

\\reiengineering.com\data\projects\0900-0999\0903-Tower\Working Reports\August 2016 update report\[903CCt1, t2, Fig 4.xls]VG 7-26-16

EPA-R5-2017-010506_0002780



Tower Standard	Figure: 4	Water Level Hydrograph
14267 State Highway 70 West	REI Job Number 903	\\reiengineering.com\data\projects\0900-0999\0903-Tower\Working Reports\August 2016 update report\[903CCt1, t2, Fig 4.xls]Hydrograph

Table 3a
Summary of Groundwater Analytical Results
Geoprobe Event
Tower Standard
Lac du Flambeau, Wisconsin

	Sample Location-->			BH-17	BH-22A	BH-25 @ 27'	BH-26 @ 27'	BH-30 @25'	BH-35B	BH-36 @ 39'	BH-37B @ 40'
			Date ->								
VOC Parameters											
Benzene	5	0.5	µg/l	**115**	**10,500**	< 0.40	**133**	< 0.40	< 0.40	*1.6*	< 0.40
Toluene	800	160	µg/l	**9,650**	**47,500**	< 0.39	*451*	< 0.39	< 0.39	< 0.39	< 0.39
Ethylbenzene	700	140	µg/l	**2,150**	**4,080**	< 0.39	*301*	18.4	6.1	< 0.39	< 0.39
Xylenes (mixed isomers)	2,000	400	µg/l	**9,520**	**21,360**	< 0.80	*1,156*	14.0	16.4	4.2	< 0.80
Methyl tert-Butyl Ether (MTBE)	60	12	µg/l	< 24.2	< 121	< 0.48	2.9[J]	< 0.48	< 0.48	2.0	< 0.48
Trimethylbenzenes (mixed isomers)	480	96	µg/l	**2,900**	**4,163**	< 0.42	*473*	21.9	*120.2*	2.9	< 0.42
Naphthalene	100	10	µg/l	**532**	**927**	< 0.42	*76.4*	5.6	6.5	1.5	< 0.42
PAH Parameters			µg/l								
Acenaphthene			µg/l	NA	NA	NA	NA	NA	0.045[J]	NA	NA
Acenaphthylene			µg/l	NA	NA	NA	NA	NA	0.021[J]	NA	NA
Anthracene	3,000	600	µg/l	NA	NA	NA	NA	NA	< 0.0073	NA	NA
Benzo(a)Anthracene			µg/l	NA	NA	NA	NA	NA	< 0.0092	NA	NA
Benzo(a)Pyrene	0.2	0.02	µg/l	NA	NA	NA	NA	NA	< 0.0080	NA	NA
Benzo(b)Fluoranthene	0.2	0.02	µg/l	NA	NA	NA	NA	NA	< 0.0096	NA	NA
Benzo(ghi)Perylene			µg/l	NA	NA	NA	NA	NA	< 0.0063	NA	NA
Benzo(k)Fluoranthene			µg/l	NA	NA	NA	NA	NA	< 0.010	NA	NA
Chrysene	0.2	0.02	µg/l	NA	NA	NA	NA	NA	< 0.0076	NA	NA
Dibenzo(a,h)anthracene			µg/l	NA	NA	NA	NA	NA	< 0.010	NA	NA
Fluoranthene	400	80	µg/l	NA	NA	NA	NA	NA	< 0.017	NA	NA
Fluorene	400	80	µg/l	NA	NA	NA	NA	NA	0.024[J]	NA	NA
Indeno(1,2,3-cd)Pyrene			µg/l	NA	NA	NA	NA	NA	< 0.0065	NA	NA
1-Methyl Naphthalene			µg/l	NA	NA	NA	NA	NA	11.7	NA	NA
2-Methyl Naphthalene			µg/l	NA	NA	NA	NA	NA	18.5	NA	NA
Naphthalene	100	10	µg/l	NA	NA	NA	NA	NA	0.9	NA	NA
Phenanthrene			µg/l	NA	NA	NA	NA	NA	0.020[J]	NA	NA
Pyrene	250	50	µg/l	NA	NA	NA	NA	NA	< 0.014	NA	NA

Notes:
ES = NR140.10 Enforcement Standards
PAL = NR140.10 Preventive Action Limits
Enforcement Standard exceeded **BOLD**
Preventive Action Limit exceeded *Italics*
NA = Not Analyzed
NS = Not Sampled
[J] = Estimated value, concentration between the Limit of Detection and the Limit of Quantitation

EPA-R5-2017-010506_0002780

Table 3b
Summary of Groundwater Analytical Results
MW1-LDF
Tower Standard
Lac du Flambeau, Wisconsin

			Date ->	11/10/2015	4/26/2016	7/26/2016
Detected VOC Parameters	ES	PAL	Units			
Benzene	5	0.5	µg/l	< 0.50	< 0.50	< 0.50
Toluene	800	160	µg/l	< 0.50	< 0.50	< 0.50
Ethylbenzene	700	140	µg/l	< 0.50	< 0.50	< 0.50
Xylenes (mixed isomers)	2,000	400	µg/l	< 1.0	< 1.0	< 1.0
Methyl tert-Butyl Ether (MTBE)	60	12	µg/l	< 0.17	< 0.17	< 0.17
Trimethylbenzenes (mixed isomers)	480	96	µg/l	< 0.50	< 0.50	< 0.50
Naphthalene	100	10	µg/l	< 2.5	< 2.5	< 2.5
1,2-Dichloroethane	5	0.5	µg/l	< 0.17	< 0.17	< 0.17
1,2-Dibromoethane	0.05	0.005	µg/l	< 0.18	< 0.18	< 0.18
Isopropylbenzene			µg/l	< 0.14	< 0.14	< 0.14
n-Butylbenzene			µg/l	< 0.50	< 0.50	< 0.50
n-Propylbenzene			µg/l	< 0.50	< 0.50	< 0.50
Inorganics						
Dissolved Lead	15	1.5	µg/l	< 3.0	< 3.0	< 3.0
Dissolved Cadmium	5	0.5	µg/l	*1.2**	< 0.60	< 0.60
Dissolved Iron	300	150	µg/l	*204*	25.6*	59.4*
Nitrate (as N)	10	2	mg/l	< 0.095	5.7	0.65
Sulfate	250	125	mg/l	21.2	14.5	14.7
Field Measurements						
Temperature			°F	50.55	42.33	54.83
Conductivity			µS/cm	547	1310	759
pH				6.37	6.12	6.65
Dissolved Oxygen			mg/l	0.31	1.24	0.34
ORP			mV	181.3	239.6	71.2

Notes:
ES = NR140.10 Enforcement Standards
PAL = NR140.10 Preventive Action Limits
Enforcement Standard exceeded — **BOLD**
Preventive Action Limit exceeded — *Italics*
NA = Not Analyzed
NS = Not Sampled
* = Estimated value, concentration between the Limit of Detection and the Limit of Quantitation

EPA-R5-2017-010506_0002780

Table 3c
Summary of Groundwater Analytical Results
MW2-LDF
Tower Standard
Lac du Flambeau, Wisconsin

			Date ->	11/10/2015	4/26/2016	7/26/2016
Detected VOC Parameters	ES	PAL	Units			
Benzene	5	0.5	µg/l	< 0.50	< 0.50	< 0.50
Toluene	800	160	µg/l	< 0.50	< 0.50	< 0.50
Ethylbenzene	700	140	µg/l	< 0.50	< 0.50	< 0.50
Xylenes (mixed isomers)	2,000	400	µg/l	< 1.0	< 1.0	< 1.0
Methyl tert-Butyl Ether (MTBE)	60	12	µg/l	< 0.17	< 0.17	< 0.17
Trimethylbenzenes (mixed isomers)	480	96	µg/l	< 0.50	< 0.50	< 0.50
Naphthalene	100	10	µg/l	< 2.5	< 2.5	< 2.5
1,2-Dichloroethane	5	0.5	µg/l	< 0.17	< 0.17	< 0.17
1,2-Dibromoethane	0.05	0.005	µg/l	< 0.18	< 0.18	< 0.18
Isopropylbenzene			µg/l	< 0.14	< 0.14	< 0.14
n-Butylbenzene			µg/l	< 0.50	< 0.50	< 0.50
n-Propylbenzene			µg/l	< 0.50	< 0.50	< 0.50
Inorganics						
Dissolved Lead	15	1.5	µg/l	3.2*	< 3.0	< 3.0
Dissolved Cadmium	5	0.5	µg/l	*1.2**	< 0.60	< 0.60
Dissolved Iron	300	150	µg/l	16.3*	< 12.9	< 12.9
Nitrate (as N)	10	2	mg/l	0.48	0.56	0.38
Sulfate	250	125	mg/l	22.8	16.9	21.1
Field Measurements						
Temperature			°F	53.11	44.35	53.14
Conductivity			µS/cm	2,035	1,395	1,452
pH				7.24	7.22	7.41
Dissolved Oxygen			mg/l	2.13	2.94	0.17
ORP			mV	270.2	200.6	45.1

Notes:
ES = NR140.10 Enforcement Standards
PAL = NR140.10 Preventive Action Limits
Enforcement Standard exceeded — **BOLD**
Preventive Action Limit exceeded — *Italics*
NA = Not Analyzed
NS = Not Sampled
* = Estimated value, concentration between the Limit of Detection and the Limit of Quantitation

EPA-R5-2017-010506_0002780

Table 3d
Summary of Groundwater Analytical Results
MW3-LDF
Tower Standard
Lac du Flambeau, Wisconsin

			Date ->	11/10/2015	4/26/2016	7/26/2016
Detected VOC Parameters	ES	PAL	Units			
Benzene	5	0.5	µg/l	< 0.50	< 0.50	< 0.50
Toluene	800	160	µg/l	< 0.50	< 0.50	< 0.50
Ethylbenzene	700	140	µg/l	< 0.50	< 0.50	< 0.50
Xylenes (mixed isomers)	2,000	400	µg/l	< 1.0	< 1.0	< 1.0
Methyl tert-Butyl Ether (MTBE)	60	12	µg/l	< 0.17	< 0.17	< 0.17
Trimethylbenzenes (mixed isomers)	480	96	µg/l	< 0.50	< 0.50	< 0.50
Naphthalene	100	10	µg/l	< 2.5	< 2.5	< 2.5
1,2-Dichloroethane	5	0.5	µg/l	< 0.17	< 0.17	< 0.17
1,2-Dibromoethane	0.05	0.005	µg/l	< 0.18	< 0.18	< 0.18
Isopropylbenzene			µg/l	< 0.14	< 0.14	< 0.14
n-Butylbenzene			µg/l	< 0.50	< 0.50	< 0.50
n-Propylbenzene			µg/l	< 0.50	< 0.50	< 0.50
Inorganics						
Dissolved Lead	15	1.5	µg/l	< 3.0	< 3.0	< 3.0
Dissolved Cadmium	5	0.5	µg/l	*1.4**	< 0.60	< 0.60
Dissolved Iron	300	150	µg/l	< 12.9	< 12.9	< 12.9
Nitrate (as N)	10	2	mg/l	0.35	0.87	0.69
Sulfate	250	125	mg/l	2.8*	2.6*	2.3*
Field Measurements						
Temperature			°F	52.43	41.73	55.66
Conductivity			µS/cm	139	41	77
pH				6.72	6.93	7.58
Dissolved Oxygen			mg/l	7.78	11.17	7.11
ORP			mV	278.1	248.1	98.8

Notes:
ES = NR140.10 Enforcement Standards
PAL = NR140.10 Preventive Action Limits
Enforcement Standard exceeded — **BOLD**
Preventive Action Limit exceeded — *Italics*
NA = Not Analyzed
NS = Not Sampled
* = Estimated value, concentration between the Limit of Detection and the Limit of Quantitation

EPA-R5-2017-010506_0002780

Table 3e
Summary of Groundwater Analytical Results
MW16
Tower Standard
Lac du Flambeau, Wisconsin

			Date ->	11/17/2015	4/26/2016	7/26/2016
Detected VOC Parameters	ES	PAL	Units			
Benzene	5	0.5	µg/l	**6.3**	*0.84**	*0.96**
Toluene	800	160	µg/l	< 0.50	< 0.50	< 0.50
Ethylbenzene	700	140	µg/l	< 0.50	< 0.50	< 0.50
Xylenes (mixed isomers)	2,000	400	µg/l	2.7	< 1.0	< 1.0
Methyl tert-Butyl Ether (MTBE)	60	12	µg/l	< 0.17	< 0.17	< 0.17
Trimethylbenzenes (mixed isomers)	480	96	µg/l	1.1	< 0.50	< 0.50
Naphthalene	100	10	µg/l	< 2.5	< 2.5	< 2.5
1,2-Dichloroethane	5	0.5	µg/l	< 0.50	< 0.50	< 0.50
1,2-Dibromoethane	0.05	0.005	µg/l	< 0.18	< 0.18	< 0.18
Isopropylbenzene			µg/l	< 0.14	< 0.14	< 0.14
n-Butylbenzene			µg/l	< 0.50	< 0.50	< 0.50
n-Propylbenzene			µg/l	< 0.50	< 0.50	< 0.50
Inorganics						
Dissolved Lead	15	1.5	µg/l	< 3.0	< 3.0	3.6*
Dissolved Cadmium	5	0.5	µg/l	< 0.60	< 0.60	< 0.60
Dissolved Iron	300	150	µg/l	**15,400**	**29,400**	**17,500**
Nitrate (as N)	10	2	mg/l	< 0.095	< 0.095	< 0.095
Sulfate	250	125	mg/l	< 10.0	10.9*	< 10.0
Field Measurements						
Temperature			°F	52.03	43.9	56.45
Conductivity			µS/cm	472	237	682
pH				6.63	6.68	7.15
Dissolved Oxygen			mg/l	0.15	0.13	0.20
ORP			mV	1.5	5.2	-58.1

Notes:
ES = NR140.10 Enforcement Standards
PAL = NR140.10 Preventive Action Limits
Enforcement Standard exceeded — **BOLD**
Preventive Action Limit exceeded — *Italics*
NA = Not Analyzed
NS = Not Sampled
* = Estimated value, concentration between the Limit of Detection and the Limit of Quantitation

EPA-R5-2017-010506_0002780

Table 3f
Summary of Groundwater Analytical Results
MW16@37-42
Tower Standard
Lac du Flambeau, Wisconsin

			Date ->	11/17/2016	4/26/2016	7/26/2016
Detected VOC Parameters	ES	PAL	Units			
Benzene	5	0.5	µg/l	**1,340**	**1,030**	**1,050**
Toluene	800	160	µg/l	22.1	15.2	17.7
Ethylbenzene	700	140	µg/l	60.3	32.3	37.7
Xylenes (mixed isomers)	2,000	400	µg/l	*1,520.2*	*1,322.1*	*1,483.9*
Methyl tert-Butyl Ether (MTBE)	60	12	µg/l	< 1.7	< 1.7	< 1.7
Trimethylbenzenes (mixed isomers)	480	96	µg/l	*371.1*	*287.0*	*382.3*
Naphthalene	100	10	µg/l	*84.7*	*52.6*	*72.7*
1,2-Dichloroethane	5	0.5	µg/l	< 1.7	< 1.7	< 1.7
1,2-Dibromoethane	0.05	0.005	µg/l	< 1.8	< 1.8	< 1.2
Isopropylbenzene			µg/l	17.0	9.3*	14.3
n-Butylbenzene			µg/l	< 5.0	< 5.0	< 5.0
n-Propylbenzene			µg/l	45.5	26.7	41.6
Inorganics						
Dissolved Lead	15	1.5	µg/l	*4.5**	< 3.0	< 3.0
Dissolved Cadmium	5	0.5	µg/l	< 0.60	< 0.60	< 0.60
Dissolved Iron	300	150	µg/l	**5,920**	**9,020**	**10,900**
Nitrate (as N)	10	2	mg/l	< 0.095	< 0.095	< 0.095
Sulfate	250	125	mg/l	< 2.0	2.3*	< 10.0
Field Measurements						
Temperature			°F	50.45	48.13	51.81
Conductivity			µS/cm	843	745	760
pH				7.31	7.45	7.49
Dissolved Oxygen			mg/l	0.21	0.06	0.04
ORP			mV	-378	-81.3	-107.1

Notes:
ES = NR140.10 Enforcement Standards
PAL = NR140.10 Preventive Action Limits
Enforcement Standard exceeded — **BOLD**
Preventive Action Limit exceeded — *Italics*
NA = Not Analyzed
NS = Not Sampled
* = Estimated value, concentration between the Limit of Detection and the Limit of Quantitation

EPA-R5-2017-010506_0002780

Table 3g
Summary of Groundwater Analytical Results
MW17
Tower Standard
Lac du Flambeau, Wisconsin

			Date ->	11/17/2016	4/26/2016	7/26/2016
Detected VOC Parameters	ES	PAL	Units			
Benzene	5	0.5	µg/l	*1.0*	< 0.50	< 0.50
Toluene	800	160	µg/l	2.3	< 0.50	< 0.50
Ethylbenzene	700	140	µg/l	0.51*	< 0.50	< 0.50
Xylenes (mixed isomers)	2,000	400	µg/l	2.3	< 1.0	< 1.0
Methyl tert-Butyl Ether (MTBE)	60	12	µg/l	< 0.17	< 0.17	< 0.17
Trimethylbenzenes (mixed isomers)	480	96	µg/l	0.60*	< 0.50	< 0.50
Naphthalene	100	10	µg/l	< 2.5	< 2.5	< 2.5
1,2-Dichloroethane	5	0.5	µg/l	< 1.7	< 0.17	< 0.17
1,2-Dibromoethane	0.05	0.005	µg/l	< 1.8	< 0.18	< 0.18
Isopropylbenzene			µg/l	< 0.14	< 0.14	< 0.14
n-Butylbenzene			µg/l	< 0.50	< 0.50	< 0.50
n-Propylbenzene			µg/l	< 0.50	< 0.50	< 0.50
Inorganics						
Dissolved Lead	15	1.5	µg/l	< 3.0	< 3.0	3.9*
Dissolved Cadmium	5	0.5	µg/l	< 0.60	< 0.60	< 0.60
Dissolved Iron	300	150	µg/l	**1,060**	**1,390**	**1,820**
Nitrate (as N)	10	2	mg/l	< 0.095	1.9	1.1
Sulfate	250	125	mg/l	6.1	24.2	18.6
Field Measurements						
Temperature			°F	53.06	42.94	58.77
Conductivity			µS/cm	508	667	729
pH				6.26	6.44	6.5
Dissolved Oxygen			mg/l	1.55	3.62	0.44
ORP			mV	83.0	182.8	37.8

Notes:
ES = NR140.10 Enforcement Standards
PAL = NR140.10 Preventive Action Limits
Enforcement Standard exceeded — **BOLD**
Preventive Action Limit exceeded — *Italics*
NA = Not Analyzed
NS = Not Sampled
* = Estimated value, concentration between the Limit of Detection and the Limit of Quantitation

EPA-R5-2017-010506_0002780

Table 3h
Summary of Groundwater Analytical Results
MW17@31-36
Tower Standard
Lac du Flambeau, Wisconsin

			Date ->	11/17/2016	4/26/2016	7/26/2016
Detected VOC Parameters	ES	PAL	Units			
Benzene	5	0.5	µg/l	< 0.50	< 0.50	< 0.50
Toluene	800	160	µg/l	< 0.50	< 0.50	< 0.50
Ethylbenzene	700	140	µg/l	< 0.50	< 0.50	< 0.50
Xylenes (mixed isomers)	2,000	400	µg/l	< 1.0	< 1.0	< 1.0
Methyl tert-Butyl Ether (MTBE)	60	12	µg/l	< 0.17	< 0.17	< 0.17
Trimethylbenzenes (mixed isomers)	480	96	µg/l	< 0.50	< 0.50	< 0.50
Naphthalene	100	10	µg/l	< 2.5	< 2.5	< 2.5
1,2-Dichloroethane	5	0.5	µg/l	< 1.7	< 1.7	< 1.7
1,2-Dibromoethane	0.05	0.005	µg/l	< 1.8	< 1.8	< 1.8
Isopropylbenzene			µg/l	< 0.14	< 0.14	< 0.14
n-Butylbenzene			µg/l	< 0.50	< 0.50	< 0.50
n-Propylbenzene			µg/l	< 0.50	< 0.50	< 0.50
Inorganics						
Dissolved Lead	15	1.5	µg/l	< 3.0	< 3.0	3.4*
Dissolved Cadmium	5	0.5	µg/l	< 0.60	< 0.60	< 0.60
Dissolved Iron	300	150	µg/l	**4,980**	**448**	**2,430**
Nitrate (as N)	10	2	mg/l	0.68	< 0.095	< 0.095
Sulfate	250	125	mg/l	20.9	4.2	2.4*
Field Measurements						
Temperature			°F	50.78	46.26	52.65
Conductivity			µS/cm	590	563	633
pH				7.08	7.07	7.16
Dissolved Oxygen			mg/l	3.00	1.10	0.00
ORP			mV	-282.4	200.7	-48.7

Notes:
ES = NR140.10 Enforcement Standards
PAL = NR140.10 Preventive Action Limits
Enforcement Standard exceeded — **BOLD**
Preventive Action Limit exceeded — *Italics*
NA = Not Analyzed
NS = Not Sampled
* = Estimated value, concentration between the Limit of Detection and the Limit of Quantitation

EPA-R5-2017-010506_0002780

Table 3i
Summary of Groundwater Analytical Results
MW18
Tower Standard
Lac du Flambeau, Wisconsin

			Date ->	11/17/2016	4/26/2016	7/26/2016
Detected VOC Parameters	ES	PAL	Units			
Benzene	5	0.5	µg/l	< 0.50	< 0.50	< 0.50
Toluene	800	160	µg/l	< 0.50	< 0.50	< 0.50
Ethylbenzene	700	140	µg/l	< 0.50	< 0.50	< 0.50
Xylenes (mixed isomers)	2,000	400	µg/l	< 1.0	< 1.0	< 1.0
Methyl tert-Butyl Ether (MTBE)	60	12	µg/l	< 0.17	< 0.17	< 0.17
Trimethylbenzenes (mixed isomers)	480	96	µg/l	< 0.50	< 0.50	< 0.50
Naphthalene	100	10	µg/l	< 2.5	< 2.5	< 2.5
1,2-Dichloroethane	5	0.5	µg/l	< 1.7	< 1.7	< 1.7
1,2-Dibromoethane	0.05	0.005	µg/l	< 1.8	< 1.8	< 1.8
Isopropylbenzene			µg/l	< 0.14	< 0.14	< 0.14
n-Butylbenzene			µg/l	< 0.50	< 0.50	< 0.50
n-Propylbenzene			µg/l	< 0.50	< 0.50	< 0.50
Inorganics						
Dissolved Lead	15	1.5	µg/l	< 3.0	< 3.0	< 3.0
Dissolved Cadmium	5	0.5	µg/l	< 0.60	< 0.60	< 0.60
Dissolved Iron	300	150	µg/l	< 12.9	< 12.9	32.8
Nitrate (as N)	10	2	mg/l	< 0.095	< 0.095	1.9
Sulfate	250	125	mg/l	13.5	22.2	15.9
Field Measurements						
Temperature			°F	51.8	41.54	56.38
Conductivity			µS/cm	509	337	332
pH				6.46	6.69	6.81
Dissolved Oxygen			mg/l	3.73	2.5	1.69
ORP			mV	229.6	261.9	83.9

Notes:
ES = NR140.10 Enforcement Standards
PAL = NR140.10 Preventive Action Limits
Enforcement Standard exceeded **BOLD**
Preventive Action Limit exceeded *Italics*
NA = Not Analyzed
NS = Not Sampled
* = Estimated value, concentration between the Limit of Detection and the Limit of Quantitation

EPA-R5-2017-010506_0002780

Table 3j
Summary of Groundwater Analytical Results
MW18@35-40
Tower Standard
Lac du Flambeau, Wisconsin

			Date ->	11/17/2016	4/26/2016	7/26/2016
Detected VOC Parameters	ES	PAL	Units			
Benzene	5	0.5	µg/l	< 0.50	< 0.50	< 0.50
Toluene	800	160	µg/l	< 0.50	< 0.50	< 0.50
Ethylbenzene	700	140	µg/l	< 0.50	< 0.50	< 0.50
Xylenes (mixed isomers)	2,000	400	µg/l	< 1.0	< 1.0	< 1.0
Methyl tert-Butyl Ether (MTBE)	60	12	µg/l	< 0.17	< 0.17	< 0.17
Trimethylbenzenes (mixed isomers)	480	96	µg/l	< 0.50	< 0.50	< 0.50
Naphthalene	100	10	µg/l	< 2.5	< 2.5	< 2.5
1,2-Dichloroethane	5	0.5	µg/l	< 1.7	< 1.7	< 1.7
1,2-Dibromoethane	0.05	0.005	µg/l	< 1.8	< 1.8	< 1.8
Isopropylbenzene			µg/l	< 0.14	< 0.14	< 0.14
n-Butylbenzene			µg/l	< 0.50	< 0.50	< 0.50
n-Propylbenzene			µg/l	< 0.50	< 0.50	< 0.50
Inorganics						
Dissolved Lead	15	1.5	µg/l	< 3.0	< 0.30	< 0.30
Dissolved Cadmium	5	0.5	µg/l	*0.63**	< 0.60	< 0.60
Dissolved Iron	300	150	µg/l	*247*	< 12.9	102
Nitrate (as N)	10	2	mg/l	< 0.095	< 0.095	< 0.095
Sulfate	250	125	mg/l	9.1	10.0	7.7
Field Measurements						
Temperature			°F	52.36	46.04	54.83
Conductivity			µS/cm	439	377	311
pH				7.13	6.78	6.86
Dissolved Oxygen			mg/l	5.98	2.18	0.23
ORP			mV	93.1	249.1	37.4

Notes:
ES = NR140.10 Enforcement Standards
PAL = NR140.10 Preventive Action Limits
Enforcement Standard exceeded **BOLD**
Preventive Action Limit exceeded *Italics*
NA = Not Analyzed
NS = Not Sampled
* = Estimated value, concentration between the Limit of Detection and the Limit of Quantitation

EPA-R5-2017-010506_0002780

Table 3k
Summary of Groundwater Analytical Results
MW19
Tower Standard
Lac du Flambeau, Wisconsin

			Date ->	11/11/2015	4/26/2016	7/26/2016
Detected VOC Parameters	ES	PAL	Units			
Benzene	5	0.5	µg/l	< 0.50	< 0.50	< 0.50
Toluene	800	160	µg/l	< 0.50	< 0.50	< 0.50
Ethylbenzene	700	140	µg/l	< 0.50	< 0.50	< 0.50
Xylenes (mixed isomers)	2,000	400	µg/l	< 1.0	< 1.0	< 1.0
Methyl tert-Butyl Ether (MTBE)	60	12	µg/l	< 0.17	< 0.17	< 0.17
Trimethylbenzenes (mixed isomers)	480	96	µg/l	< 0.50	< 0.50	< 0.50
Naphthalene	100	10	µg/l	< 2.5	< 2.5	< 2.5
1,2-Dichloroethane	5	0.5	µg/l	< 0.17	< 0.17	< 0.17
1,2-Dibromoethane	0.05	0.005	µg/l	< 0.18	< 0.18	< 0.18
Isopropylbenzene			µg/l	< 0.14	< 0.14	< 0.14
n-Butylbenzene			µg/l	< 0.50	< 0.50	< 0.50
n-Propylbenzene			µg/l	< 0.50	< 0.50	< 0.50
Inorganics						
Dissolved Lead	15	1.5	µg/l	*3.4**	< 3.0	< 3.0
Dissolved Cadmium	5	0.5	µg/l	*0.90**	< 0.60	< 0.60
Dissolved Iron	300	150	µg/l	**704**	139	**539**
Nitrate (as N)	10	2	mg/l	< 0.095	0.42	0.42
Sulfate	250	125	mg/l	7.0	7.1	6.6
Field Measurements						
Temperature			°F	52.96	44.86	54.8
Conductivity			µS/cm	470	232	180
pH				6.32	6.67	6.65
Dissolved Oxygen			mg/l	0.52	1.46	0.09
ORP			mV	117.9	149.0	39.4

Notes:
ES = NR140.10 Enforcement Standards
PAL = NR140.10 Preventive Action Limits
Enforcement Standard exceeded — **BOLD**
Preventive Action Limit exceeded — *Italics*
NA = Not Analyzed
NS = Not Sampled
* = Estimated value, concentration between the Limit of Detection and the Limit of Quantitation

EPA-R5-2017-010506_0002780

Table 31
Summary of Groundwater Analytical Results
MW19@35-40
Tower Standard
Lac du Flambeau, Wisconsin

			Date ->	11/11/2015	4/26/2016	7/26/2016
Detected VOC Parameters	ES	PAL	Units			
Benzene	5	0.5	µg/l	**117**	**298**	**6.2**
Toluene	800	160	µg/l	39.1	189	20.7
Ethylbenzene	700	140	µg/l	*395*	**1,260**	*194*
Xylenes (mixed isomers)	2,000	400	µg/l	*898.1*	**3,514**	212.2
Methyl tert-Butyl Ether (MTBE)	60	12	µg/l	< 0.87	< 1.7	< 0.87
Trimethylbenzenes (mixed isomers)	480	96	µg/l	*165.8*	**918**	*149.4*
Naphthalene	100	10	µg/l	*75.1*	**207**	*19.1**
1,2-Dichloroethane	5	0.5	µg/l	< 0.84	< 1.7	< 0.84
1,2-Dibromoethane	0.05	0.005	µg/l	< 0.89	< 1.8	< 0.89
Isopropylbenzene			µg/l	< 0.14	29.8	8.5
n-Butylbenzene			µg/l	3.7*	< 5.0	< 2.5
n-Propylbenzene			µg/l	35.8	99.3	20.2
Inorganics						
Dissolved Lead	15	1.5	µg/l	< 3.0	< 3.0	< 3.0
Dissolved Cadmium	5	0.5	µg/l	*1.1**	< 0.60	< 0.60
Dissolved Iron	300	150	µg/l	**3,820**	**19,500**	**9,350**
Nitrate (as N)	10	2	mg/l	< 0.095	< 0.095	< 0.095
Sulfate	250	125	mg/l	10.8*	< 10.0	< 10.0
Field Measurements						
Temperature			°F	52.4	48.75	53.88
Conductivity			µS/cm	326	341	269
pH				7.41	6.77	6.85
Dissolved Oxygen			mg/l	5.58	0.1	0.09
ORP			mV	-15.3	-5.0	-13.2

Notes:
ES = NR140.10 Enforcement Standards
PAL = NR140.10 Preventive Action Limits
Enforcement Standard exceeded — **BOLD**
Preventive Action Limit exceeded — *Italics*
NA = Not Analyzed
NS = Not Sampled
* = Estimated value, concentration between the Limit of Detection and the Limit of Quantitation

EPA-R5-2017-010506_0002780

Table 3m
Summary of Groundwater Analytical Results
MW20
Tower Standard
Lac du Flambeau, Wisconsin

			Date ->	11/11/2015	4/26/2016	7/26/2016
Detected VOC Parameters	ES	PAL	Units			
Benzene	5	0.5	µg/l	**10,100**	**5,320**	**4,490**
Toluene	800	160	µg/l	**35,800**	**27,500**	**22,800**
Ethylbenzene	700	140	µg/l	**3,180**	**4,040**	**3,670**
Xylenes (mixed isomers)	2,000	400	µg/l	**19,230**	**22,080**	**20,030**
Methyl tert-Butyl Ether (MTBE)	60	12	µg/l	< 34.8	< 17.4	< 17.4
Trimethylbenzenes (mixed isomers)	480	96	µg/l	**1,939**	**2,792**	**2,683**
Naphthalene	100	10	µg/l	**654***	**573**	**615**
1,2-Dichloroethane	5	0.5	µg/l	< 100	< 16.8	< 16.8
1,2-Dibromoethane	0.05	0.005	µg/l	< 35.6	< 17.8	< 17.8
Isopropylbenzene			µg/l	64.3*	65.1*	70.6*
n-Butylbenzene			µg/l	< 100	< 50	< 50
n-Propylbenzene			µg/l	192*	223	222
Inorganics						
Dissolved Lead	15	1.5	µg/l	***20.7***	*8.6**	*8.7**
Dissolved Cadmium	5	0.5	µg/l	*1.7**	< 0.60	< 0.60
Dissolved Iron	300	150	µg/l	**1,440**	**12,500**	**12,800**
Nitrate (as N)	10	2	mg/l	< 0.095	< 0.095	< 0.095
Sulfate	250	125	mg/l	< 10.0	< 10.0	< 10.0
Field Measurements						
Temperature			°F	58.83	48.49	62.27
Conductivity			µS/cm	1,091	870	1,060
pH				6.42	6.67	6.64
Dissolved Oxygen			mg/l	4.33	0.39	0.16
ORP			mV	103.1	29.2	0.6

Notes:
ES = NR140.10 Enforcement Standards
PAL = NR140.10 Preventive Action Limits
Enforcement Standard exceeded — **BOLD**
Preventive Action Limit exceeded — *Italics*
NA = Not Analyzed
NS = Not Sampled
* = Estimated value, concentration between the Limit of Detection and the Limit of Quantitation

EPA-R5-2017-010506_0002780

Table 3n
Summary of Groundwater Analytical Results
MW20@20-25
Tower Standard
Lac du Flambeau, Wisconsin

			Date ->	11/11/2015	4/26/2016	7/26/2016
Detected VOC Parameters	ES	PAL	Units			
Benzene	5	0.5	µg/l	**17,600**	**17,700**	**44,900**
Toluene	800	160	µg/l	**21,600**	**41,800**	**37,300**
Ethylbenzene	700	140	µg/l	**2,640**	**2,950**	**10,400**
Xylenes (mixed isomers)	2,000	400	µg/l	**14,060**	**17,690**	**56,800**
Methyl tert-Butyl Ether (MTBE)	60	12	µg/l	< 21.8	< 69.7	< 69.7
Trimethylbenzenes (mixed isomers)	480	96	µg/l	**1,793**	**1,910**	**7,620**
Naphthalene	100	10	µg/l	**381***	**< 1,000**	**1,380***
1,2-Dichloroethane	5	0.5	µg/l	< 21.0	< 62.7	< 67.2
1,2-Dibromoethane	0.05	0.005	µg/l	**64.0***	**< 71.1**	**192***
Isopropylbenzene			µg/l	54.4*	< 57.3	204*
n-Butylbenzene			µg/l	< 62.5	< 200	< 200
n-Propylbenzene			µg/l	168	< 200	588
Inorganics						
Dissolved Lead	15	1.5	µg/l	**31.5**	**37.1**	**31.3**
Dissolved Cadmium	5	0.5	µg/l	*0.86**	< 0.60	< 0.60
Dissolved Iron	300	150	µg/l	**6,130**	**5,520**	**5,230**
Nitrate (as N)	10	2	mg/l	< 0.095	< 0.095	< 0.095
Sulfate	250	125	mg/l	< 10.0	< 10.0	< 10.0
Field Measurements						
Temperature			°F	55.64	49.87	58.27
Conductivity			µS/cm	1,010	845	954
pH				6.25	6.43	6.54
Dissolved Oxygen			mg/l	3.83	0.1	0.27
ORP			mV	88.2	75.9	44.7

Notes:
ES = NR140.10 Enforcement Standards
PAL = NR140.10 Preventive Action Limits
Enforcement Standard exceeded — **BOLD**
Preventive Action Limit exceeded — *Italics*
NA = Not Analyzed
NS = Not Sampled
* = Estimated value, concentration between the Limit of Detection and the Limit of Quantitation

EPA-R5-2017-010506_0002780

Table 3o
Summary of Groundwater Analytical Results
MW21
Tower Standard
Lac du Flambeau, Wisconsin

			Date ->	11/11/2015	4/26/2016	7/26/2016
Detected VOC Parameters	ES	PAL	Units			
Benzene	5	0.5	µg/l	**632**	**457**	**539**
Toluene	800	160	µg/l	**2,510**	**4,120**	**4,380**
Ethylbenzene	700	140	µg/l	**2,600**	**1,600**	**2,000**
Xylenes (mixed isomers)	2,000	400	µg/l	**8,570**	**9,570**	**10,920**
Methyl tert-Butyl Ether (MTBE)	60	12	µg/l	< 4.4	< 8.7	< 8.7
Trimethylbenzenes (mixed isomers)	480	96	µg/l	**2,435**	**3,379**	**3,871**
Naphthalene	100	10	µg/l	**640**	**630**	**693**
1,2-Dichloroethane	5	0.5	µg/l	< 4.2	< 8.4	< 8.4
1,2-Dibromoethane	0.05	0.005	µg/l	< 4.4	< 8.9	< 8.9
Isopropylbenzene			µg/l	66.1	52.5	74
n-Butylbenzene			µg/l	46.3	< 25	< 25
n-Propylbenzene			µg/l	228	181	238
Inorganics						
Dissolved Lead	15	1.5	µg/l	< 3.0	*7.7**	*7.7**
Dissolved Cadmium	5	0.5	µg/l	*0.69**	< 0.60	< 0.60
Dissolved Iron	300	150	µg/l	**27,900**	**16,900**	**19,300**
Nitrate (as N)	10	2	mg/l	< 0.095	< 0.095	< 0.095
Sulfate	250	125	mg/l	< 10.0	11.0*	< 10.0
Field Measurements						
Temperature			°F	57.29	46.73	54.03
Conductivity			µS/cm	470	470	518
pH				6.61	6.56	6.62
Dissolved Oxygen			mg/l	1.76	0.48	0.10
ORP			mV	-1.7	28.6	-5.9

Notes:
ES = NR140.10 Enforcement Standards
PAL = NR140.10 Preventive Action Limits
Enforcement Standard exceeded — **BOLD**
Preventive Action Limit exceeded — *Italics*
NA = Not Analyzed
NS = Not Sampled
* = Estimated value, concentration between the Limit of Detection and the Limit of Quantitation

EPA-R5-2017-010506_0002780

Table 3p
Summary of Groundwater Analytical Results
MW21@35-40
Tower Standard
Lac du Flambeau, Wisconsin

			Date ->	11/11/2015	4/26/2016	7/26/2016
Detected VOC Parameters	ES	PAL	Units			
Benzene	5	0.5	µg/l	**1,110**	**35.5**	**363**
Toluene	800	160	µg/l	*686*	2.2	**873**
Ethylbenzene	700	140	µg/l	*274*	< 0.50	11.9
Xylenes (mixed isomers)	2,000	400	µg/l	*1,406*	27.9	*417*
Methyl tert-Butyl Ether (MTBE)	60	12	µg/l	< 1.7	0.20*	< 1.7
Trimethylbenzenes (mixed isomers)	480	96	µg/l	*339.5*	8.3	34.7
Naphthalene	100	10	µg/l	*63.1*	2.9*	< 25
1,2-Dichloroethane	5	0.5	µg/l	< 1.7	< 0.24	< 1.7
1,2-Dibromoethane	0.05	0.005	µg/l	< 1.8	< 0.18	< 1.8
Isopropylbenzene			µg/l	9.0*	0.27*	< 1.4
n-Butylbenzene			µg/l	14.6	< 0.50	< 5.0
n-Propylbenzene			µg/l	31.4	1.3	< 5.0
Inorganics						
Dissolved Lead	15	1.5	µg/l	< 3.0	< 3.0	< 3.0
Dissolved Cadmium	5	0.5	µg/l	< 0.60	< 0.60	< 0.60
Dissolved Iron	300	150	µg/l	**44,600**	**66,600**	**7,810**
Nitrate (as N)	10	2	mg/l	< 0.095	< 0.095	< 0.095
Sulfate	250	125	mg/l	< 2.0	< 10.0	< 10.0
Field Measurements						
Temperature			°F	53.15	51.16	56.82
Conductivity			µS/cm	1,615	1,999	648
pH				6.5	6.6	7.01
Dissolved Oxygen			mg/l	3.82	0.24	0.07
ORP			mV	29.2	-5.8	-25.1

Notes:
ES = NR140.10 Enforcement Standards
PAL = NR140.10 Preventive Action Limits
Enforcement Standard exceeded — **BOLD**
Preventive Action Limit exceeded — *Italics*
NA = Not Analyzed
NS = Not Sampled
* = Estimated value, concentration between the Limit of Detection and the Limit of Quantitation

EPA-R5-2017-010506_0002780

Table 3q
Summary of Groundwater Analytical Results
MW22
Tower Standard
Lac du Flambeau, Wisconsin

			Date ->	11/17/2016	4/26/2016	7/26/2016
Detected VOC Parameters	ES	PAL	Units			
Benzene	5	0.5	µg/l	< 0.50	< 0.50	< 0.50
Toluene	800	160	µg/l	2.5	1.1	0.52*
Ethylbenzene	700	140	µg/l	11.9	8.8	20.6
Xylenes (mixed isomers)	2,000	400	µg/l	55.1	42.0	61.3
Methyl tert-Butyl Ether (MTBE)	60	12	µg/l	< 0.17	< 0.17	< 0.17
Trimethylbenzenes (mixed isomers)	480	96	µg/l	80.2	67.9	*113.8*
Naphthalene	100	10	µg/l	5.2	5.8	*21.0*
1,2-Dichloroethane	5	0.5	µg/l	< 1.7	< 1.7	< 0.17
1,2-Dibromoethane	0.05	0.005	µg/l	< 1.8	< 1.8	< 0.18
Isopropylbenzene			µg/l	1.0	0.98*	4.6
n-Butylbenzene			µg/l	< 0.50	< 0.50	< 0.50
n-Propylbenzene			µg/l	2.3	2.6	9.2
Inorganics						
Dissolved Lead	15	1.5	µg/l	< 3.0	< 3.0	3.6*
Dissolved Cadmium	5	0.5	µg/l	< 0.60	< 0.60	< 0.60
Dissolved Iron	300	150	µg/l	63.4*	*183*	*264*
Nitrate (as N)	10	2	mg/l	*3.9*	**23.8**	**19.5**
Sulfate	250	125	mg/l	9.5	10.1	8.1
Field Measurements						
Temperature			°F	54.12	43.71	59.35
Conductivity			µS/cm	204	450	5.98
pH				6.46	6.45	6.59
Dissolved Oxygen			mg/l	1.02	6.28	1.86
ORP			mV	229.4	221.7	65.4

Notes:
ES = NR140.10 Enforcement Standards
PAL = NR140.10 Preventive Action Limits
Enforcement Standard exceeded — **BOLD**
Preventive Action Limit exceeded — *Italics*
NA = Not Analyzed
NS = Not Sampled
* = Estimated value, concentration between the Limit of Detection and the Limit of Quantitation

EPA-R5-2017-010506_0002780

Table 3r
Summary of Groundwater Analytical Results
MW22@35-40
Tower Standard
Lac du Flambeau, Wisconsin

			Date ->	11/17/2016	4/26/2016	7/26/2016
Detected VOC Parameters	ES	PAL	Units			
Benzene	5	0.5	µg/l	< 0.50	< 0.50	< 0.50
Toluene	800	160	µg/l	< 0.50	< 0.50	< 0.50
Ethylbenzene	700	140	µg/l	< 0.50	< 0.50	< 0.50
Xylenes (mixed isomers)	2,000	400	µg/l	0.75*	< 1.0	< 1.0
Methyl tert-Butyl Ether (MTBE)	60	12	µg/l	< 0.17	< 0.17	< 0.17
Trimethylbenzenes (mixed isomers)	480	96	µg/l	< 0.50	< 0.50	< 0.50
Naphthalene	100	10	µg/l	< 2.5	< 2.5	< 2.5
1,2-Dichloroethane	5	0.5	µg/l	< 1.7	< 1.7	< 1.7
1,2-Dibromoethane	0.05	0.005	µg/l	< 1.8	< 1.8	< 1.8
Isopropylbenzene			µg/l	< 0.14	< 0.14	< 0.14
n-Butylbenzene			µg/l	< 0.50	< 0.50	< 0.50
n-Propylbenzene			µg/l	< 0.50	< 0.50	< 0.50
Inorganics						
Dissolved Lead	15	1.5	µg/l	*3.7**	< 3.0	< 3.0
Dissolved Cadmium	5	0.5	µg/l	< 0.60	< 0.60	< 0.60
Dissolved Iron	300	150	µg/l	< 12.9	< 12.9	30.2*
Nitrate (as N)	10	2	mg/l	0.38	0.24*	0.24*
Sulfate	250	125	mg/l	29.3	21.3	20.5
Field Measurements						
Temperature			°F	52.9	45.86	52.4
Conductivity			µS/cm	388	1,017	1,587
pH				7.83	7.51	7.87
Dissolved Oxygen			mg/l	3.55	4.66	0.02
ORP			mV	249.5	239.1	-6.5

Notes:
ES = NR140.10 Enforcement Standards
PAL = NR140.10 Preventive Action Limits
Enforcement Standard exceeded — **BOLD**
Preventive Action Limit exceeded — *Italics*
NA = Not Analyzed
NS = Not Sampled
* = Estimated value, concentration between the Limit of Detection and the Limit of Quantitation

EPA-R5-2017-010506_0002780