

From: Anna Beckman <anna.beckman@cedarcorp.com>
Sent: Wednesday, November 13, 2019 10:50 AM
To: Stoltz, Carrie R - DNR
Cc: Mitch Evenson
Subject: Olson Corners: Groundwater Data Update
Attachments: Table 1 - Groundwater Analytical Data.pdf

Good morning Carrie,

Attached is the updated groundwater analytical table for Olson Corners, including the most recent round from October 23, 2019. It looks like benzene in the Webster Well (sampled at Witkowski tap) exceeds the PAL this last round. It doesn't look like there have been issues in the more recent past.

Thank you,

Anna Beckman

Staff Geologist

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Table 1: Groundwater Analytical Data
Perrys Corner
Hannibal, WI

Results reported in ug/L		Benzene	Ethylbenzene	MTBE	Naphthalene	Toluene	Total TMB	Xylenes	
Wis Adm. Code NR140, Table 1 PAL		0.5	140	12	10	160	96	400	
Wis Adm. Code NR140, Table 1 ES		5	700	60	100	800	480	2000	
Monitoring Well	Sample Date								
MW-1	05/31/07	11000	2,200	<80	460	1,500	1,170	4,100	
	08/15/07	5800	1,500	<23	340	3,900	1,660	6,300	
	10/23/07	8000	1,700	<0.23	390	1,300	1,530	4,900	
	1/9/2008	8000	1,500	<5	270	770	1,160	4,000	
	3/25/2009	5900	1,900	<23	340	550	1,250	2,900	
	6/1/2009	2200	790	<0.50	130	900	550	1,400	
	4/15/2010	7000	1,900	<23	360	640	1,390	3,200	
	7/13/2010	3900	1,300	<23	250	330	740	1,700	
	10/6/2010	1600	620	<4.6	140	120	249	510	
	6/3/2011	27	43	<0.23	9	4	12	29	
	10/4/2011	41	120	<0.23	24	7.4	15.5	30	
	4/24/2012	29.6	88.6	27.4	16.8	41.2	34.4	100	
	5/16/2013	200	330	130	86	280	168	520	
	10/14/2013	15	41	13	31	6.8	60	36	
	6/23/2015	56	220	15	52	14	197	270	
	11/19/2015	4.1	17	20	16	2.4	3.9	18	
	4/7/2016	13	98	22	35	160	67.8	300	
	8/25/2016	3.8	19	7.1	13	1.8	15.3	26	
	11/30/2018	20	220	72	72	180	230	470	
4/9/2019	74	520	160	130	240	295	1300		
7/3/2019	39	280	33	76	18	120	380		
10/23/2019	0.53	1.2	<0.39	1.1	<0.15	2.39	1.6		
MW-2	05/31/07								
	08/15/07	21000	3,700	<23	1,200	41,000	6,400	20,000	
	10/23/07	13000	3,500	<92	1,100	38,000	5,200	21,000	
	1/9/2008	12000	2,400	<9.2	710	22,000	4,400	17,000	
	3/25/2009	10000	2,000	<92	910	28,000	4,100	21,000	
	6/1/2009	26000	1,900	<2.0	440	40,000	2,540	15,000	
	4/15/2010				FREE PRODUCT				
	7/14/2010				FREE PRODUCT				
	10/6/2010				FREE PRODUCT				
	6/3/2011	17000	2,600	<23	910	41,000	4,460	17,000	
	10/4/2011				FREE PRODUCT				
	4/24/2012				FREE PRODUCT				
	5/16/2013				FREE PRODUCT				
	10/14/2013	17,000	2,700	75	1,900	39,000	11,500	26,000	
	6/23/2015	19,000	3,800	290	1,600	43,000	6,600	26,000	
	11/19/2015	16,000	4,600	980	3,300	92,000	9,300	31,000	
	4/7/2016	16000	3400	630	1700	35000	5400	24000	
	8/25/2016	15000	3400	970	2400	35000	6000	25000	
	11/30/2018				Well Destroyed				
4/9/2019				Well Destroyed					
7/3/2019				Well Destroyed					
10/23/2019				Well Destroyed					
MW-2P	3/25/2009	70	5.8	<0.50	0.84	39	7.1	31	
	6/1/2009	570	71	<0.50	9.6	160	85	460	
	4/15/2010	400	6	<1.8	<4	<2	6	9.4	
	7/14/2010	1800	160	<1.2	26	41	105	150	
	10/6/2010	1100	49	<4.6	20	14	37	53	
	6/3/2011	2500	140	<0.23	23	55	68	130	
	10/4/2011	620	25	<2.3	6	54	15.9	52	
	4/24/2012	2180	164	175	32.8	66.4	88.3	151	
	5/16/2013	3800	19	210	56	61	111	200	
	10/14/2013	1400	58	14	12	33	45	63	
	6/23/2015	2800	96	16	33	86	65.9	120	
	11/19/2015	33	3.3	1.3	<2.4	2.4	2.77	4.1	
	4/7/2016	390	17	16	<24	27	12	31	
	8/25/2016	1500	180	98	61	220	108	260	
	11/30/2018	0.85	<0.37	0.40 J	<2.4	0.41 J	0.48 J	<0.58	
	4/9/2019	5700	310	300	97	180	251	460	
	7/3/2019	16,000	1300	850	280	570	710	1600	
	10/23/2019	13,000	910	<7.9	170	430	420	990	

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Perrys Corner
Hannibal, WI

Results reported in ug/L		Benzene	Ethylbenzene	MTBE	Naphthalene	Toluene	Total TMB	Xylenes	
Wis Adm. Code NR140, Table 1 PAL		0.5	140	12	10	160	96	400	
Wis Adm. Code NR140, Table 1 ES		5	700	60	100	800	480	2000	
Monitoring Well	Sample Date								
MW-3	05/31/07	110	4.40	<0.50	<0.25	0.61	0.49	2.50	
	08/15/07	100	3.80	<0.23	<0.5	0.79	1.14	3.20	
	10/23/07	64	2.10	<0.23	<0.5	1.10	<0.44	2.20	
	1/9/2008	190	6	<0.23	<0.5	1	0.24	5.5	
	3/25/2009	220	8.4	<1.2	<2.5	<1.2	<2.15	6.8	
	6/1/2009	230	16	<0.50	1.7	2.6	22.3	6.3	
	4/15/2010	310	36	<0.92	<2	3.1	<1.76	8.3	
	7/14/2010	330	66	<0.92	<2.0	6.8	<1.76	8.9	
	10/6/2010	420	160	<1.2	130	540	560	2,300	
	6/3/2011	200	330	<0.23	69	300	434	1,200	
	10/4/2011	130	570	<2.3	67	67	540	950	
	4/24/2012	161	475	94.5	115	26.5	264	655	
	5/16/2013	110	370	110	190	13	610	1,700	
	10/14/2013	180	360	67	61	7.1	480	350	
	6/23/2015	28	120	32	20	4.7	63	88	
	11/19/2015	60	62	98	94	13	396	310	
	4/7/2016	19	84	48	48	6.5	23.8	70	
	8/25/2016	4.9	35	16	17	2.7	38.8	49	
	11/30/2018					Well Destroyed			
	4/9/2019					Well Destroyed			
7/3/2019					Well Destroyed				
10/23/2019					Well Destroyed				
MW-3D	4/15/2010	<0.25	<0.25	<0.25	<0.25	0.49	<0.25	<0.25	
	7/14/2010	<0.25	<0.22	<0.23	<0.50	0.83	<0.44	<0.39	
	10/6/2010	<0.25	<0.22	<0.23	<0.50	1.7	<0.44	<0.39	
	6/3/2011	0.43	0.41	4.7	3.7	1.60	1.06	2	
	10/4/2011	0.26	<0.22	1.7	<0.50	1.7	<0.44	<0.39	
	4/24/2012	0.44	0.49	0.37	<2.5	0.51	0.72	0.36	
	5/16/2013	0.7	<0.37	0.86	<2.4	<0.33	<0.60	<0.58	
	10/14/2013	<0.36	<0.37	0.87	<2.4	<0.33	<0.67	<0.58	
	6/23/2015					Not Sampled			
	11/19/2015					Not Sampled			
	4/7/2016					Not Sampled			
	8/25/2016					Not Sampled			
	11/30/2018	<0.36	<0.37	<0.24	<2.4	<0.33	<0.30	<0.58	
	4/9/2019	<0.36	<0.37	<0.24	<2.4	<0.33	<0.30	<0.58	
	7/3/2019	<0.36	<0.37	<0.24	<2.4	<0.33	<0.30	<0.58	
10/23/2019	<0.15	<0.18	<0.39	<0.34	<0.15	<0.36	<0.22		
MW-4	05/31/07	5000	2,100	<40	580	86	760	1,700	
	08/15/07	4300	3,700	<23	1,800	340	10,100	7,500	
	10/23/07	4700	1,800	<9.2	790	330	2,680	3,900	
	1/9/2008	4400	1,500	<9.2	650	250	1910	3200	
	3/25/2009	2000	910	<9.2	490	240	1430	2300	
	6/1/2009	3200	1400	<25	440	240	1590	3200	
	4/15/2010					FREE PRODUCT			
	7/14/2010					FREE PRODUCT			
	10/6/2010					FREE PRODUCT			
	6/3/2011	2500	880	<0.23	450	340	1,680	3,100	
	10/4/2011					FREE PRODUCT			
	4/24/2012	3340	1,580	200	840	393	2,422	4,210	
	5/16/2013					FREE PRODUCT			
	10/14/2013	4200	710	38	550	920	2100	2700	
	6/23/2015	6300	1300	46	570	1700	2150	3900	
	11/19/2015	3300	540	72	1000	710	1520	2100	
	4/7/2016	2900	490	98	1100	530	1380	2100	
	8/25/2016	4500	770	74	970	890	1460	2400	
	11/30/2018	5000	580	80	670	490	1130	1700	
	4/9/2019	4600	1000	130	1400	700	2500	2800	
7/3/2019	290	800	91	830	320	1520	2100		
10/23/2019	1100	510	<3.9	660	110	4700	1700		

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Hannibal, WI

Results reported in ug/L		Benzene	Ethylbenzene	MTBE	Naphthalene	Toluene	Total TMB	Xylenes
Wis Adm. Code NR140, Table 1 PAL		0.5	140	12	10	160	96	400
Wis Adm. Code NR140, Table 1 ES		5	700	60	100	800	480	2000
Monitoring Well	Sample Date							
MW-4P	3/25/2009	180	110	0.77	26	9.3	4.7	8.5
	6/1/2009	980	560	<0.50	93	35	13.9	29
	4/15/2010	290	34	<0.92	6.5	9.4	<1.76	4.1
	7/14/2010	470	120	<0.92	17	15	<1.76	5
	10/6/2010	300	150	<0.92	38	8.9	<1.76	3.2
	6/3/2011	190	86	<0.23	19	3.50	0.35	2.40
	10/4/2011	780	260	<0.46	69	25	7.4	44
	4/24/2012	737	223	100	38.5	16	3.1	24.7
	5/16/2013	1600	210	130	41	21	6.8	23
	10/14/2013	920	350	21	59	28	14.3	53
	6/23/2015	1700	460	13	47	41	11	81
	11/19/2015	140	63	16	20	17	9.3	17
	4/7/2016	32	11	2.3	4.9	3.2	0.86	4.2
	8/25/2016	360	280	81	98	30	73	230
	11/30/2018	800	1400	34	150	43	123	210
	4/9/2019	<0.36	<0.37	<0.24	<2.4	<0.33	<0.30	<0.58
	7/3/2019	620	1400	59	200	41	83	230
	10/23/2019	750	1200	<0.39	190 B	63	58.4	190
MW-5	05/31/07	13000	2,700	<100	590	35,000	2,630	17,000
	08/15/07	12000	2,600	<46	670	31,000	2,360	15,000
	10/23/07	10000	2,700	<92	630	31,000	2,420	16,000
	1/9/2008	13000	2500	<400	740	35000	2150	15,000
	6/1/2009	11000	3000	<2.0	700	38000	2500	18,000
	4/15/2010	9700	2800	<46	800	34000	3960	20,000
	7/12/2010							
					Not Sampled-Abandoned.			
MW-6	05/31/07	<0.20	<0.50	<0.50	1.20	0.25	0.27	0.53
	08/15/07	0.45	0.29	<0.23	2.20	0.13	<0.44	0.44
	10/23/07	1	<0.22	<0.23	2.20	<0.11	0.19	0.45
	1/9/2008							
	6/1/2009	NS	NS	NS	NS	NS	NS	NS
	4/15/2010	3.2	0.26	<0.23	<0.50	<0.25	<0.44	<0.39
	7/13/2010	2.3	<0.22	<0.23	<0.50	<0.25	<0.44	<0.39
	10/6/2010	2.4	0.27	<0.23	<0.50	<0.25	<0.44	<0.39
	6/3/2011							
	10/4/2011	3.3	3.1	<0.23	6.2	<0.25	<0.44	0.54
	4/24/2012	<0.25	5.73	0.33	11	<0.25	<0.50	0.88
	5/16/2013	26	2.4	<0.24	44	<0.33	1.9	<0.58
	10/14/2013	3.7	5.5	1.2	44	<0.33	5.4	<0.58
	6/23/2015	11	5.4	<0.24	20	<0.33	<0.60	<0.58
	11/19/2015	3	6.7	0.42	91	<0.33	5.9	<0.58
	4/7/2016	2.3	3.9	<0.24	74	<0.33	2	<0.58
	8/25/2016	2.1	4.2	<0.24	62	<0.33	4.4	<0.58
	11/30/2018	6.1	9.6	1.7 J	48	<1.7	<1.5	<1.9
	4/9/2019	0.41 J	<0.37	1	<2.4	<0.33	<0.30	3.2
	7/3/2019	1.5	1.0	0.72	<2.4	<0.33	<0.30	<0.58
	10/23/2019	1.8	<0.18	<0.39	<0.34	<0.15	<0.36	<0.22
MW-6P	3/25/2009	820	1.4	5.6	2.2	2.6	2.6	18
	6/1/2009	7.9	<0.50	11	<0.25	<0.50	<0.40	<0.50
	4/15/2010	330	<0.88	13	<2	<1	<1.76	<1.6
	7/13/2010	57	<0.22	8.3	<0.50	<0.25	<0.44	<0.39
	10/6/2010	3.9	<0.22	7.3	<0.50	<0.25	<0.44	<0.39
	6/3/2011							
	10/4/2011	100	<0.22	<0.23	<0.50	<0.25	<0.44	<0.39
	4/24/2012	1060	<0.50	36.8	<2.5	1.9	<0.50	<0.25
	5/16/2013	40	<0.37	0.36	<2.4	<0.33	<0.60	<0.58
	10/14/2013	73	<0.37	2.8	<2.4	<0.33	0.6	<0.58
	6/23/2015	6	<0.37	0.98	<2.4	<0.33	<0.60	<0.58
	11/19/2015	5.4	<0.37	0.35	<2.4	<0.33	<0.60	<0.58
	4/7/2016	<0.36	<0.37	<0.24	<2.4	<0.33	<0.60	<0.58
	8/25/2016	2.5	<0.37	0.7	<2.4	<0.33	<0.60	<0.58
	11/30/2018	<0.36	<0.37	<0.24	<2.4	<0.33	<0.30	<0.58
	4/9/2019	3.5	6.5	0.51	63	<0.33	4	<0.58
	7/3/2019	5.3	13	0.52	70	<0.33	2.6	<0.58
	10/23/2019	<0.15	<0.18	0.79 J	<0.34	<0.15	<0.36	<0.22

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Wis Adm. Code NR140, Table 1 PAL		0.5	140	12	10	160	96	400
Wis Adm. Code NR140, Table 1 ES		5	700	60	100	800	480	2000
Monitoring Well	Sample Date							
MW-6D	4/15/2010	26	<0.22	0.57	0.57	<0.25	1.1	<0.39
	7/13/2010	9.7	<0.22	0.55	<0.50	0.57	<0.44	<0.39
	10/6/2010	8.6	<0.22	0.52	<0.50	0.56	<0.44	<0.39
	6/3/2011							
	10/4/2011	11	<0.22	1.3	<0.50	0.54	<0.44	<0.39
	4/24/2012	2.52	0.29	0.69	<2.5	<0.25	0.32	0.26
	5/16/2013	<0.36	<0.37	0.81	<2.4	<0.33	<0.60	<0.58
	10/14/2013	<0.36	<0.37	2.1	<2.4	<0.33	<0.60	<0.58
	6/23/2015	Not Sampled						
	11/19/2015	Not Sampled						
	4/7/2016	Not Sampled						
	8/25/2016	Not Sampled						
	11/30/2018	Not Sampled; under parked car						
	4/9/2019	<0.36	<0.37	<0.24	<2.4	<0.33	<0.30	<0.58
7/3/2019	<0.36	<0.37	0.87	<2.4	<0.33	<0.30	<0.58	
10/23/2019	<0.15	<0.18	0.79 J	<0.34	<0.15	<0.36	<0.22	
MW-7	5/31/2007	0.28	<0.50	<0.50	<0.25	<0.20	<0.40	<0.50
	8/15/2007	0.54	<0.22	<0.23	<0.50	<0.11	<0.44	<0.39
	10/23/2007	<0.25	<0.22	<0.23	<0.50	<0.11	<0.44	<0.39
	1/9/2008	0.48	<0.22	<0.23	<0.50	<0.11	<0.44	<0.39
	6/1/2009	NS	NS	NS	NS	NS	NS	NS
	4/15/2010	<0.25	<0.22	<0.23	<0.50	<0.25	<0.44	<0.39
	7/13/2010	<0.25	<0.22	<0.23	<0.50	<0.25	<0.44	<0.39
	10/6/2010	<0.25	<0.22	<0.23	<0.50	<0.25	<0.44	<0.39
	6/3/2011	0.69	<0.22	0.63	1.2	<0.25	<0.44	<0.39
	10/4/2011	<0.25	<0.22	<0.23	<0.50	<0.25	<0.44	<0.39
	4/24/2012	<0.25	<0.25	<0.25	<2.5	<0.25	<0.50	<0.25
	5/16/2013	<0.36	<0.37	<0.24	<2.4	<0.33	<0.60	<0.58
	10/14/2013	<0.36	<0.37	2.4	<2.4	<0.33	<0.60	<0.58
	6/23/2015	Not Sampled						
11/19/2015	Not Sampled							
4/7/2016	Not Sampled							
8/25/2016	Not Sampled							
11/30/2018	<0.36	<0.37	<0.24	<2.4	<0.33	<0.30	<0.58	
4/9/2019	<0.36	<0.37	<0.24	<2.4	<0.33	<0.30	<0.58	
7/3/2019	<0.36	<0.37	<0.24	<2.4	<0.33	<0.30	<0.58	
10/23/2019	<0.15	<0.18	<0.39	<0.34	<0.15	<0.36	<0.22	
MW-8P	05/31/07	3600	160	22.00	2.80	27	6.40	15
	08/15/07	3500	<8.8	29.00	<20	9.20	<17.6	<16
	10/23/07	5000	480	<9.2	67	62	31.00	34
	1/9/2008	3900	5.7	26	1	11	1.66	5.8
	3/25/2009	3400	<18	26	98	<20	<35	<1.9
	6/1/2009	5900	170	<20	24	51	13.2	<20
	4/15/2010	6400	350	<23	53	63	<44	54
	7/13/2010	5700	430	<0.92	16	69	14.2	57
	10/6/2010	4200	63	<0.23	13	52	10.9	45
	6/3/2011	890	3.70	6.40	0.72	3.70	0.29	2
	10/4/2011	1400	11	11	4.9	6	<3.5	8.8
	4/24/2012	4700	9.25	289	3.89	14.3	0.67	4.4
	5/16/2013	5200	77	120	3.1	15	0.96	5.8
	10/14/2013	4600	8.7	260	<2.4	15	<0.60	3.4
6/23/2015	5200	530	68	20	14	46	170	
11/19/2015	620	380	510	6.4	14	7.5	34	
4/7/2016	2600	120	<0.24	<2.4	7.2	<0.60	8	
8/25/2016	2500	140	<0.24	<2.4	7.9	<0.60	5.8	
11/30/2018	13	<0.37	1.8	<2.4	<0.33	<0.30	<0.58	
4/9/2019	140	120	66	6	2.2	0.31 J	4.3	
7/3/2019	92	90	28	5.5	1.2	<0.30	2.9	
10/23/2019	300	190	<0.39	<0.34	2.3	<0.36	2.8	

Table 1: Groundwater Analytical Data
Perrys Corner
Hannibal, WI

Results reported in ug/L		Benzene	Ethylbenzene	MTBE	Naphthalene	Toluene	Total TMB	Xylenes
Wis Adm. Code NR140, Table 1 PAL		0.5	140	12	10	160	96	400
Wis Adm. Code NR140, Table 1 ES		5	700	60	100	800	480	2000
Monitoring Well	Sample Date							
MW-9	10/23/07	<0.20	<0.50	<0.50	<0.25	<0.20	<0.40	<0.50
	1/9/2008	<0.25	<0.22	<0.23	<0.50	<0.11	<0.44	<0.39
	6/1/2009	NS	NS	NS	NS	NS	NS	NS
	4/15/2010	<0.25	<0.22	<0.23	<0.50	<0.25	<0.44	<0.39
	7/13/2010	<0.25	<0.22	<0.23	<0.50	<0.25	<0.44	<0.39
	10/6/2010	<0.25	<0.22	<0.23	<0.50	<0.25	<0.44	<0.39
	6/3/2011	0.28	<0.22	1.7	<0.50	<0.25	<0.44	<0.39
	10/4/2011	<0.25	<0.22	<0.23	<0.50	<0.25	<0.44	<0.39
	4/24/2012	<0.25	<0.25	<0.25	<2.5	<0.25	<0.50	<0.25
	5/16/2013	<0.36	<0.37	0.53	<2.4	<0.33	0.4	<0.58
	10/14/2013	<0.36	<0.37	0.61	<2.4	<0.33	<0.60	<0.58
	6/23/2015	Not Sampled						
	11/19/2015	Not Sampled						
	4/7/2016	Not Sampled						
	8/25/2016	Not Sampled						
	11/30/2018	<0.36	<0.37	<0.24	<2.4	<0.33	<0.30	<0.58
4/9/2019	Not Sampled-Frozen							
7/3/2019	<0.36	<0.37	<0.24	<2.4	<0.33	<0.30	<0.58	
10/23/2019	<0.15	<0.18	<0.39	<0.34	<0.15	<0.36	<0.22	
MW-10	10/23/07	<0.20	<0.50	<0.50	<0.25	<0.20	<0.40	<0.50
	1/9/2008	0.41	<0.22	<0.23	<0.50	<0.11	<0.44	<0.39
	6/1/2009	NS	NS	NS	NS	NS	NS	NS
	4/15/2010	<0.25	<0.22	<0.23	<0.50	<0.11	<0.44	<0.39
	7/13/2010	<0.25	<0.22	<0.23	<0.50	<0.11	<0.44	<0.39
	10/6/2010	<0.25	<0.22	<0.23	<0.50	<0.11	<0.44	<0.39
	6/3/2011	<0.25	<0.22	1.3	<0.50	<0.11	<0.44	<0.39
	10/4/2011	<0.25	<0.22	<0.23	<0.50	<0.25	<0.44	<0.39
	4/24/2012	<0.25	<0.25	<0.25	<2.5	<0.25	<0.50	<0.25
	5/16/2013	<0.36	<0.37	<0.24	<2.4	<0.33	<0.60	<0.58
	10/14/2013	<0.36	<0.37	1.7	<2.4	<0.33	<0.60	<0.58
	6/23/2015	Not Sampled						
	11/19/2015	Not Sampled						
	4/7/2016	Not Sampled						
	8/25/2016	Not Sampled						
	11/30/2018	<0.36	<0.37	<0.24	<2.4	<0.33	<0.30	<0.58
4/9/2019	<0.36	<0.37	<0.24	<2.4	<0.33	0.6	<0.58	
7/3/2019	<0.36	<0.37	1.3	<2.4	<0.33	<0.30	<0.58	
10/23/2019	<0.15	<0.18	<0.39	<0.34	<0.15	<0.36	<0.22	
MW-11	10/23/07	<0.20	<0.50	<0.50	<0.25	<0.20	<0.40	<0.50
	1/9/2008	<0.25	<0.22	<0.23	<0.50	<0.11	<0.44	<0.39
	6/1/2009	NS	NS	NS	NS	NS	NS	NS
	4/15/2010	<0.25	<0.22	<0.23	<0.50	<0.25	<0.44	<0.39
	7/13/2010	<0.25	<0.22	<0.23	<0.50	<0.25	<0.44	<0.39
	10/6/2010	<0.25	<0.22	<0.23	<0.50	<0.25	<0.44	<0.39
	6/3/2011	<0.25	<0.22	1.4	<0.50	<0.11	<0.44	<0.39
	10/4/2011	<0.25	<0.22	0.99	<0.50	<0.25	<0.44	<0.39
	4/24/2012	<0.25	<0.25	<0.25	<2.5	<0.25	<0.50	<0.25
	5/16/2013	<0.36	<0.37	<0.24	<2.4	<0.33	<0.60	<0.58
	10/14/2013	<0.36	<0.37	0.49	<2.4	<0.33	<0.60	<0.58
	6/23/2015	Not Sampled						
	11/19/2015	Not Sampled						
	4/7/2016	Not Sampled						
	8/25/2016	Not Sampled						
	11/30/2018	<0.36	<0.37	<0.24	<2.4	<0.33	<0.33	<0.58
4/9/2019	<0.36	<0.37	<0.24	<2.4	<0.33	<0.30	<0.58	
7/3/2019	<0.36	<0.37	0.44 J	<2.4	<0.33	<0.30	<0.58	
10/23/2019	<0.15	<0.18	<0.39	<0.34	<0.15	<0.36	<0.22	

Table 1: Groundwater Analytical Data
Perrys Corner
Hannibal, WI

Results reported in ug/L		Benzene	Ethylbenzene	MTBE	Naphthalene	Toluene	Total TMB	Xylenes
Wis Adm. Code NR140, Table 1 PAL		0.5	140	12	10	160	96	400
Wis Adm. Code NR140, Table 1 ES		5	700	60	100	800	480	2000
Monitoring Well	Sample Date							
MW-12P	10/23/07	1800	<2.0	22	<1.0	6.60	<0.80	4.70
	1/9/2008	1500	<0.22	22	<0.50	4.2	0.85	4.7
	3/25/2009	820	<2.2	10	<5.0	<0.25	<4.4	<3.9
	6/1/2009	660	<0.50	7.2	<0.25	0.94	16.1	1.4
	4/15/2010	1000	<4.4	<4.6	<10	7.2	<8.8	<7.8
	7/13/2010	960	<2.2	<2.3	<5.0	<.25	<0.44	<0.39
	10/6/2010	940	19	<0.23	<0.50	5.9	3.3	8.5
	6/3/2011	460	38	<0.92	3	5.4	<0.44	5
	10/4/2011	390	51	<0.92	9.5	4.2	<1.76	4.9
	4/24/2012	<0.25	26.8	36.1	<2.5	<0.25	1.13	1.2
	5/16/2013	23	<0.37	11	<2.4	0.48	<0.60	<0.58
	10/14/2013	17	1.1	15	<2.4	0.69	0.43	0.79
	6/23/2015	110	0.58	33	<2.4	0.41	<0.60	1.2
	11/19/2015	210	1.2	65	4.1	1.1	0.45	2
	4/7/2016	320	0.91	63	<2.4	0.81	<0.60	<0.58
	8/25/2016	360	0.57	64	<2.4	0.94	<0.60	0.99
	11/30/2018	11	<0.37	7.4	<2.4	<0.33	<0.30	<0.58
4/9/2019	8.3	<0.37	23	<2.4	<0.33	<0.30	<0.58	
7/3/2019	31	1.1	23	<2.4	0.81	0.5	2.4	
10/23/2019	180	1.8	12	<0.34	0.85	1.61 J	1.4	
MW-12D	4/15/2010	3.5	<0.22	<0.23	<0.50	<0.25	<0.44	<0.39
	7/13/2010	27	<0.22	0.79	<0.50	<0.25	<0.44	<0.39
	10/6/2010	0.36	<0.22	0.64	<0.50	<0.25	<0.44	<0.39
	6/3/2011	<0.25	<0.22	2.2	<0.50	<0.25	<0.44	<0.39
	10/4/2011	<0.25	<0.22	2.7	<0.50	<0.25	<0.44	<0.39
	4/24/2012	<0.25	<0.25	0.48	<2.5	<0.25	<0.50	<0.25
	5/16/2013	1.3	<0.37	0.26	<2.4	<0.33	<0.60	<0.58
	10/14/2013	<0.36	<0.37	2	<2.4	<0.33	<0.60	<0.58
	6/23/2015	<0.36	<0.37	<0.24	<2.4	<0.33	<0.60	<0.58
	11/19/2015	<0.36	<0.37	<0.24	<2.4	<0.33	0.53	1.2
	4/7/2016	<0.36	<0.37	<0.24	<2.4	<0.33	<0.60	<0.58
	8/25/2016	<0.36	<0.37	0.29	<2.4	<0.33	<0.60	<0.58
	11/30/2018	<0.36	<0.37	0.49 J	<2.4	<0.33	<0.30	<0.58
	4/9/2019	<0.36	<0.37	0.34 J	<2.4	<0.33	<0.30	<0.58
	7/3/2019	<0.36	<0.37	0.65	<2.4	<0.33	<0.30	<0.58
	10/23/2019	<0.15	<0.18	0.86 J	<0.34	<0.15	<0.36	<0.22
	MW-13	4/15/2010	<0.25	<0.22	<0.23	<0.50	<0.25	<0.44
7/13/2010		<0.25	<0.22	<0.23	<0.50	<0.25	<0.44	<0.39
10/6/2010		<0.25	<0.22	<0.23	<0.50	<0.25	<0.44	<0.39
6/3/2011		<0.25	<0.22	3.4	<0.50	<0.25	<0.44	<0.39
10/4/2011		<0.25	<0.22	1	<0.50	<0.25	<0.44	<0.39
4/24/2012		<0.25	<0.25	<0.25	<2.5	<0.25	<0.50	<0.25
5/16/2013		<0.36	<0.37	<0.24	<2.4	<0.33	<0.60	<0.58
10/14/2013		<0.36	<0.37	3.4	<2.4	<0.33	<0.60	<0.58
6/23/2015					Not Sampled			
11/19/2015					Not Sampled			
4/7/2016					Not Sampled			
8/25/2016					Not Sampled			
11/30/2018		<0.36	<0.37	<0.24	<2.4	<0.33	<0.30	<0.58
4/9/2019		<0.36	<0.37	<0.24	<2.4	<0.33	<0.30	<0.58
7/3/2019		<0.36	<0.37	0.61	<2.4	<0.33	<0.30	<0.58
10/23/2019		<0.15	<0.18	0.86 J	<0.34	<0.15	<0.36	<0.22
MW-13D		4/15/2010	0.69	<0.22	2.2	<0.50	<0.25	<0.44
	7/13/2010	2.7	<0.22	2.1	<0.50	0.26	<0.44	<0.39
	10/6/2010	0.83	<0.22	1.9	<0.50	0.29	<0.44	<0.39
	6/3/2011	0.36	<0.22	2.2	<0.50	<0.25	1.2	<0.39
	10/4/2011	0.97	<0.22	3.6	<0.50	0.29	<0.44	<0.39
	4/24/2012	<0.25	<0.25	1.65	<2.5	0.27	<0.50	<0.25
	5/16/2013	<0.36	<0.37	0.82	<2.4	<0.33	<0.60	<0.58
	10/14/2013	<0.36	<0.37	3.2	<2.4	<0.33	<0.60	<0.58
	6/23/2015				Not Sampled			
	11/19/2015				Not Sampled			
	4/7/2016				Not Sampled			
	8/25/2016				Not Sampled			
	11/30/2018	<0.36	<0.37	0.57	<2.4	<0.33	<0.30	<0.58
	4/9/2019	<0.36	<0.37	0.43 J	<2.4	<0.33	<0.30	<0.58
	7/3/2019	<0.36	<0.37	1.2	<2.4	<0.33	<0.30	<0.58
	10/23/2019	<0.15	<0.18	0.71 J	<0.34	<0.15	<0.36	<0.22

Table 1: Groundwater Analytical Data
Perrys Corner
Hannibal, WI

Results reported in ug/L		Benzene	Ethylbenzene	MTBE	Naphthalene	Toluene	Total TMB	Xylenes
Wis Adm. Code NR140, Table 1 PAL		0.5	140	12	10	160	96	400
Wis Adm. Code NR140, Table 1 ES		5	700	60	100	800	480	2000
Monitoring Well	Sample Date							
N. Sump	10/6/2010							
	6/3/2011							
	10/4/2011							
	4/24/2012							
	5/16/2013							
	10/14/2013							
	6/23/2015	<0.36	<0.37	<0.24	<2.4	<0.33	<0.60	<0.58
	11/19/2015							
	4/7/2016							
	8/25/2016							
	11/30/2018							
4/9/2019								
7/3/2019								
10/23/2019								
S. Sump	10/6/2010							
	6/3/2011							
	10/4/2011							
	4/24/2012							
	5/16/2013							
	10/14/2013							
	6/23/2015	60	18	<0.24	<2.4	1.3	6.8	50
	11/19/2015							
	4/7/2016							
	8/25/2016							
	11/30/2018							
4/9/2019								
7/3/2019								
10/23/2019								
Olson's Well	3/25/2009	<0.25	<0.22	<0.23	<0.50	<0.25	<0.44	<0.39
	6/1/2009	<0.20	<0.50	<0.50	<0.25	<0.50	<0.40	<0.50
	4/15/2010	<0.25	<0.22	<0.23	<0.50	<0.25	<0.44	<0.39
	7/13/2010	<0.25	<0.22	<0.23	<0.50	<0.25	<0.44	<0.39
	10/6/2010	<0.25	<0.22	<0.23	<0.50	<0.25	<0.44	<0.39
	10/4/2011	<0.25	<0.22	<0.23	<0.50	<0.25	<0.44	<0.39
	4/24/2012	<0.25	<0.25	<0.25	<2.5	<0.25	<0.50	<0.25
	5/16/2013	<0.36	<0.37	<0.24	<2.4	<0.33	<0.60	<0.58
	6/23/2015	<0.36	<0.37	<0.24	<2.4	<0.33	<0.60	<0.58
	4/7/2016	<0.36	<0.37	<0.24	<2.4	<0.33	<0.60	<0.58
	11/30/2018	<0.36	<0.37	<0.24	<2.4	<0.33	<0.30	<0.58
4/9/2019	<0.36	<0.37	<0.24	<2.4	<0.33	<0.30	<0.58	
7/3/2019	<0.36	<0.37	0.25 J	<2.4	<0.33	<0.30	<0.58	
10/23/2019	<0.15	<0.18	<0.39	<0.34	<0.15	<0.36	<0.22	
Webster Well	6/1/2016	<0.15	<0.18	<0.39	<0.34	<0.15	<0.61	<0.22
	10/31/2016	<0.15	<0.18	<0.39	<0.34	<0.15	<0.61	<0.22
	4/9/2019	<0.36	<0.37	4.9	<2.4	<0.33	<0.30	<0.58
	10/23/2019	0.94	<0.18	1	<0.34	<0.15	<0.36	<0.22
Witkowski's Well	3/25/2009	65	<0.22	1.9	<0.50	<0.25	<0.44	<0.39
	6/1/2009	69	<0.50	1.6	<0.25	<0.50	<0.40	<0.50
	4/15/2010	77	<0.22	2.2	<0.50	<0.25	<0.44	<0.39
	7/13/2010	19	<0.22	2.0	<0.50	<0.25	<0.44	<0.39
	10/6/2010	60	<0.22	2.0	<0.50	<0.25	<0.44	<0.39
	10/4/2011	61	<0.22	5	<0.50	<0.25	<0.44	<0.39
	4/24/2012	55.5	<0.25	2.45	<2.5	<0.25	<0.50	<0.25
	5/16/2013	72	<0.37	2.7	<2.4	<0.33	<0.60	<0.58
	6/23/2015	23	<0.37	3.4	<2.4	<0.33	<0.60	<0.58
4/7/2016	18	<0.37	2.7	<2.4	<0.33	<0.60	<0.58	

Abandoned 11/2017

ug/L = micrograms per liter = ppb = parts per billion
 J = reported value was between the limit of detection and the limit of quantitation
 B = Compound was found in the blank and the sample
Italic Numbers indicate a concentration above PAL outlined in NR 140.10
Bold Numbers indicate a concentration above ES outlined in NR 140.10