Table 2-1. Well Construction Details, Madison-Kipp Corporation, Madison, Wisconsin.

Well ID	Ground Elevation (feet amsl)	Top of Casing Elevation (feet amsl)	Top of Screen Elevation (feet amsl)	Bottom of Screen Elevation (feet amsl)	Depth to Top of Screen (feet bls)	Depth to Bottom of Screen (feet bls)	Total Depth Drilled (feet bls)	Screen Length (feet)	Screened Media	Installation Date	Drilling Method	Driller	Borehole Diameter (inches)	Well Casing Diameter (inches)	Casing Material	Screen Material
MW-1	861.71	861.08	847.71	837.71	14	24	30	10	Soil	1/10/1995	Hollow Stem Auger	WTD Environmental	8	2	PVC	Timco, Schedule 40, 10-Slot
MW-2S	866.34	868.94	847.34	837.34	19	29	30	10	Soil	7/31/1995	Hollow Stem Auger	Badger State Drilling	8	2	PVC	Diedrich, Schedule 40, 10-Slot
MW-2D	866.50	868.74	827.50	822.50	39	44	45	5	Bedrock	7/31/1995	Rotary & Hollow Stem Auger	Badger State Drilling	8	2	PVC	Diedrich, Schedule 40, 10-Slot
MW-3S	867.87	867.41	848.87	838.87	19	29	30	10	Soil	8/1/1995	Hollow Stem Auger	Badger State Drilling	8	2	PVC	Diedrich, Schedule 40, 10-Slot
MW-3D	867.68	867.25	819.68	814.68	48	53	unknown	5	Bedrock	unknown	Rotary & Hollow Stem Auger	unknown	unknown	2	PVC	Schedule 40, 10-Slot
MW-3D2	867.58	867.39	791.58	786.58	76	81	82	5	Bedrock	4/2/2001	Rotary & Hollow Stem Auger	Badger State Drilling	10	2	PVC	Schedule 40, 10-Slot
MW-3D3	867.61	867.35	653.61	643.61	214	224	237	10	Bedrock	7/13/2012	Rotary & Hollow Stem Auger	Boart Longyear	6	2	PVC	Johnson, Stainless Steel, 10-Slot
MW-4S	880.81	880.31	845.81	830.81	35	50	51	15	Bedrock	unknown	Hollow Stem Auger	Badger State Drilling	8	2	PVC	Buffalo, Schedule 40, 10-Slot
MW-4D	881.18	880.38	816.18	811.18	65	70	71	5	Bedrock	6/6/1996	Rotary & Hollow Stem Auger	Badger State Drilling	8	2	PVC	Buffalo, Schedule 40, 10-Slot
MW-4D2	880.36	880.20	789.36	784.36	91	96	unknown	5	Bedrock	unknown	Rotary & Hollow Stem Auger	unknown	unknown	2	PVC	Schedule 40, 10-Slot
MW-5S	872.56	872.14	838.56	828.56	34	44	44	10	Bedrock	4/4/2001	Rotary & Hollow Stem Auger	Badger State Drilling	10	2	PVC	Monoflex, Schedule 40, 10-Slot
MW-5D	872.58	872.10	797.58	792.58	75	80	82	5	Bedrock	4/3/2001	Rotary & Hollow Stem Auger	Badger State Drilling	10	2	PVC	Monoflex, Schedule 40, 10-Slot
MW-5D2	872.59	872.20	706.79	701.79	166	171	171	5	Bedrock	2/11/2003	Rotary & Hollow Stem Auger	Badger State Drilling	4	2	PVC	Diedrich, Schedule 80, 10-Slot
MW-5D3	872.34	871.89	647.34	637.34	225	235	239	10	Bedrock	7/12/2012	Mud Rotary	Boart Longyear	6	2	PVC	Johnson, Stainless Steel, 10-Slot
MW-6S	877.20	876.69	845.80	835.80	31	41	41	10	Bedrock	2/4/2003	Hollow Stem Auger	Badger State Drilling	9	2	PVC	Diedrich, Schedule 40, 10-Slot
MW-6D	877.11	876.69	811.61	806.61	66	71	71	5	Bedrock	2/4/2003	Rotary & Hollow Stem Auger	Badger State Drilling	8	2	PVC	Diedrich, Schedule 40, 10-Slot
MW-7	870.91	870.42	845.91	835.91	25	35	35	10	Soil	7/25/2011	Hollow Stem Auger	Badger State Drilling	8	2	PVC	Monoflex, Schedule 40, 10-Slot
MW-8	867.69	866.78	843.69	833.69	24	34	34	10	Soil	7/25/2011	Hollow Stem Auger	Badger State Drilling	8	2	PVC	Monoflex, Schedule 40, 10-Slot
MW-9D	855.80	855.47	811.80	806.80	44	49	49	5	Bedrock	7/26/2011	Rotary & Hollow Stem Auger	Badger State Drilling	6	2	PVC	Monoflex, Schedule 40, 10-Slot
MW-9D2	855.89	855.48	791.89	786.89	64	69	69	5	Bedrock	7/27/2011	Rotary & Hollow Stem Auger	Badger State Drilling	6	2	PVC	Monoflex, Schedule 40, 10-Slot
MW-10S	864.88	864.42	853.88	843.88	11	21	22	10	Soil	4/4/2012	Hollow Stem Auger	Giles Engineering	8	2	PVC	Johnson, Schedule 40, 10-Slot
MW-11S	874.10	873.47	850.10	840.10	24	34	36	10	Soil	4/10/2012	Hollow Stem Auger	Giles Engineering	8	2	PVC	Johnson, Schedule 40, 10-Slot
MW-12S	859.78	859.41	856.78	846.78	3	13	14	10	Soil	4/10/2012	Hollow Stem Auger	Giles Engineering	8	2	PVC	Johnson, Schedule 40, 10-Slot
MP-13	864.49	863.99	820.49	816.49	44	48	200	4	Bedrock	9/30/2012	Rotary & Hollow Stem Auger	Boart Longyear	6	2	PVC	Westbay Multiport Well
			797.49	793.49	67	71		4								
			783.49	779.49	81	85		4								
			762.49	758.49	102	106		4								
			743.49	739.49	121	125		4								
			729.49	725.49	135	139		4								
			701.49	697.49	163	167		4								
MP-14	866.88	867.28	796.88	791.88	70	75	200	5	Bedrock	10/22/2012	Rotary & Hollow Stem Auger	Boart Longyear	6	2	PVC	Westbay Multiport Well
			766.88	761.88	100	105		5								
			731.88	726.88	135	140		5								
			696.88	688.88	170	178		8								
MP-15	855.98	855.50	767.98	763.98	88	92	200	4	Bedrock	12/11/2012	Rotary & Hollow Stem Auger	Boart Longyear	6	2	PVC	Westbay Multiport Well
			755.98	750.98	100	105		5								
			735.98	730.98	120	125		5								
			713.98	709.98	142	146		4								
			678.98	668.98	177	187		10								

Footnotes on Page 2.

Table 2-1. Well Construction Details, Madison-Kipp Corporation, Madison, Wisconsin.

Well ID	Ground Elevation (feet amsl)	Top of Casing Elevation (feet amsl)	Top of Screen Elevation (feet amsl)	Bottom of Screen Elevation (feet amsl)	Depth to Top of Screen (feet bls)	Depth to Bottom of Screen (feet bls)	Total Depth Drilled (feet bls)	Screen Length (feet)	Screened Media	Installation Date	Drilling Method	Driller	Borehole Diameter (inches)	Well Casing Diameter (inches)	Casing Material	Screen Material
MP-16	870.68	870.17	790.68	786.68	80	84	200	4	Bedrock	11/30/2012	Rotary & Hollow Stem Auger	Boart Longyear	6	2	PVC	Westbay Multiport Well
			764.68	754.68	106	116		10								
			730.68	726.68	140	144		4								
			695.68	691.68	175	179		4								
MW-17	877.26	876.65	717.26	707.26	160	170	207	10	Bedrock	11/8/2012	Rotary & Hollow Stem Auger	Boart Longyear	6	2	PVC	Westbay Multiport Well
MW-18S	867.89	867.24	847.89	837.89	20	30	31	10	Soil	11/2/2012	Hollow Stem Auger	Giles Engineering	8	4	PVC	Johnson, Schedule 80, 10-Slot Vee-Wire
MW-19D	867.443	866.75	807.44	777.44	60	90	142	30	Bedrock	10/24/2012	Rotary & Hollow Stem Auger	Boart Longyear	8	2	PVC	Johnson, Schedule 80, 10-Slot Vee-Wire
MW-19D2	867.443	866.707	757.44	727.44	110	140	142	30	Bedrock	10/24/2012	Rotary & Hollow Stem Auger	Boart Longyear	8	2	PVC	Johnson, Schedule 80, 10-Slot Vee-Wire
MW-20D	867.362	866.96	807.36	777.36	60	90	142	30	Bedrock	10/25/2012	Rotary & Hollow Stem Auger	Boart Longyear	8	2	PVC	Johnson, Schedule 80, 10-Slot Vee-Wire
MW-20D2	867.362	867.043	757.36	727.36	110	140	142	30	Bedrock	10/25/2012	Rotary & Hollow Stem Auger	Boart Longyear	8	2	PVC	Johnson, Schedule 80, 10-Slot Vee-Wire
MW-21D	867.77	867.49	807.77	777.77	60	90	172	30	Bedrock	10/26/2012	Rotary & Hollow Stem Auger	Boart Longyear	8	2	PVC	Johnson, Schedule 80, 10-Slot Vee-Wire
MW-21D2	867.77	867.46	757.77	697.77	110	170	172	60	Bedrock	10/26/2012	Rotary & Hollow Stem Auger	Boart Longyear	8	2	PVC	Johnson, Schedule 80, 10-Slot Vee-Wire
MW-22S	874.45	874.12	849.45	839.45	25	35	50	10	Soil	1/4/2013	Sonic	Boart Longyear	8	2	PVC	Johnson, Schedule 40, 10-Slot
MW-22D	874.45	874.15	829.45	824.45	45	50	50	5	Bedrock	1/4/2013	Sonic	Boart Longyear	8	2	PVC	Johnson, Schedule 40, 10-Slot
MW-23S	874.55	874.20	849.55	839.55	25	35	50	10	Soil	1/3/2013	Sonic	Boart Longyear	8	2	PVC	Johnson, Schedule 40, 10-Slot
MW-23D	874.55	874.27	829.55	824.55	45	50	50	5	Bedrock	1/3/2013	Sonic	Boart Longyear	8	2	PVC	Johnson, Schedule 40, 10-Slot
MW-24	876.66	876.41	846.66	836.66	30	40	43	10	Bedrock	3/28/2013	Rotary & Hollow Stem Auger	Badger State Drilling	8	2	PVC	Monoflex, Schedule 40, 10-Slot
MW-25D	886.97	886.69	766.97	756.97	120	130	230	10	Bedrock	5/2/2013	Rotary & Hollow Stem Auger	Boart Longyear	8	2	PVC	Johnson, Schedule 40, 10-Slot
MW-25D2	886.97	886.68	726.97	716.97	160	170	230	10	Bedrock	5/2/2013	Rotary & Hollow Stem Auger	Boart Longyear	8	2	PVC	Johnson, Schedule 40, 10-Slot
MW-26S	857.51	856.61	850.66	840.66	6.85	16.85	18	10	Soil	8/21/2013	Rotary & Hollow Stem Auger	Giles Engineering	8	2	PVC	Johnson, Schedule 40, 10-Slot
MW-27D	862.96	862.65	732.96	722.96	130	140	227	10	Bedrock	12/19/2013	Rotary & Hollow Stem Auger	Cascade Drilling	8	2	PVC	Johnson, Schedule 40, 10-Slot
MW-27D2	862.96	862.59	692.96	682.96	170	180	227	10	Bedrock	12/19/2013	Rotary & Hollow Stem Auger	Cascade Drilling	8	2	PVC	Johnson, Schedule 40, 10-Slot
GWE-1	867.62	866.63	807.62	692.62	60	175	186	115	Bedrock	1/9/2014	Rotary & Hollow Stem Auger	Cascade Drilling	12	8	PVC	Johnson, Stainless Steel, 10-Slot, 20-Slot
EW-1	862.29	861.94	852.29	827.29	10	35	36	25	Soil	6/6/1996	Hollow Stem Auger	Badger State Drilling	15	6	PVC	Buffalo, Schedule 80, 10-Slot
IW-1S	867.82	867.62	851.82	841.82	16	26	28	10	Soil	11/2/2012	Hollow Stem Auger	Giles Engineering	8	4	PVC	Johnson, Schedule 80, 10-Slot Vee-Wire
IW-2D	867.57	866.61	807.57	777.57	60	90	142	30	Bedrock	10/28/2012	Rotary & Hollow Stem Auger	Boart Longyear	10	6	PVC	Johnson, Schedule 80, 10-Slot Vee-Wire
IW-2D2	867.57	866.57	757.57	727.57	110	140	142	30	Bedrock	10/28/2012	Rotary & Hollow Stem Auger	Boart Longyear	10	6	PVC	Johnson, Schedule 80, 10-Slot Vee-Wire

amsl Above mean sea level.
bls Below land surface.
PVC Polyvinyl chloride

Table 2-2. Groundwater Elevations 2004 -2013, Madison-Kipp Corporation, Madison, Wisconsin.

Well/ Boring	Date	Screen Interval (feet bls)	Ground Elevation (feet amsl)	Top of Casing Elevation (feet amsl)	Depth to Water (feet btoc)	Groundwater Elevation (feet amsl)	Lithology
MW-1	05/01/04	14 - 24	861.71	861.08	16.30	844.78	Unconsolidated
MW-1	07/01/04	14 - 24	861.71	861.08	11.94	849.14	Unconsolidated
MW-1	10/01/04	14 - 24	861.71	861.08	13.41	847.67	Unconsolidated
MW-1	01/01/05	14 - 24	861.71	861.08	14.37	846.71	Unconsolidated
MW-1	03/01/05	14 - 24	861.71	861.08	13.50	847.58	Unconsolidated
MW-1	07/01/05	14 - 24	861.71	861.08	15.56	845.52	Unconsolidated
MW-1	09/01/05	14 - 24	861.71	861.08	17.16	843.92	Unconsolidated
MW-1	12/01/05	14 - 24	861.71	861.08	18.18	842.90	Unconsolidated
MW-1	03/01/06	14 - 24	861.71	861.08	17.32	843.76	Unconsolidated
MW-1	07/01/06	14 - 24	861.71	861.08	14.80	846.28	Unconsolidated
MW-1	10/01/06	14 - 24	861.71	861.08	14.05	847.03	Unconsolidated
MW-1	12/01/06	14 - 24	861.71	861.08	14.21	846.87	Unconsolidated
MW-1	03/01/07	14 - 24	861.71	861.08	13.45	847.63	Unconsolidated
MW-1	08/01/07	14 - 24	861.71	861.08	13.92	847.16	Unconsolidated
MW-1	09/01/07	14 - 24	861.71	861.08	11.68	849.40	Unconsolidated
MW-1	03/01/08	14 - 24	861.71	861.08	9.87	851.21	Unconsolidated
MW-1	06/01/08	14 - 24	861.71	861.08	6.14	854.94	Unconsolidated
MW-1	09/01/08	14 - 24	861.71	861.08	10.97	850.11	Unconsolidated
MW-1	12/01/08	14 - 24	861.71	861.08	12.67	848.41	Unconsolidated
MW-1	04/01/09	14 - 24	861.71	861.08	10.00	851.08	Unconsolidated
MW-1	06/01/09	14 - 24	861.71	861.08	9.34	851.74	Unconsolidated
MW-1	09/01/09	14 - 24	861.71	861.08	12.64	848.44	Unconsolidated
MW-1	07/01/10	14 - 24	861.71	861.08	9.49	851.59	Unconsolidated
MW-1	10/01/10	14 - 24	861.71	861.08	10.59	850.49	Unconsolidated
MW-1	04/09/12	14 - 24	861.71	861.08	13.50	847.58	Unconsolidated
MW-1	07/23/12	14 - 24	861.71	861.08	14.52	846.56	Unconsolidated
MW-1	11/30/12	14 - 24	861.71	861.08	15.32	845.76	Unconsolidated
MW-1	01/14/13	14 - 24	861.71	861.08	15.22	845.86	Unconsolidated
MW-1	04/15/13	14 - 24	861.71	861.08	10.17	850.91	Unconsolidated
MW-1	07/15/13	14 - 24	861.71	861.08	8.84	852.24	Unconsolidated
MW-1	10/03/12	14-24	861.71	861.08	11.42	849.66	Unconsolidated
MW-2S	07/01/04	19 - 29	866.34	868.94	21.23	847.71	Unconsolidated
MW-2S	10/01/04	19 - 29	866.34	868.94	22.61	846.33	Unconsolidated
MW-2S	01/01/05	19 - 29	866.34	868.94	23.19	845.75	Unconsolidated
MW-2S	03/01/05	19 - 29	866.34	868.94	23.24	845.70	Unconsolidated
MW-2S	07/01/05	19 - 29	866.34	868.94	24.38	844.56	Unconsolidated
MW-2S	09/01/05	19 - 29	866.34	868.94	26.02	842.92	Unconsolidated
MW-2S	12/01/05	19 - 29	866.34	868.94	26.90	842.04	Unconsolidated
MW-2S	03/01/06	19 - 29	866.34	868.94	26.66	842.28	Unconsolidated
MW-2S	07/01/06	19 - 29	866.34	868.94	23.81	845.13	Unconsolidated
MW-2S	10/01/06	19 - 29	866.34	868.94	23.15	845.79	Unconsolidated
MW-2S	12/01/06	19 - 29	866.34	868.94	22.75	846.19	Unconsolidated
MW-2S	03/01/07	19 - 29	866.34	868.94	22.67	846.27	Unconsolidated
MW-2S	08/01/07	19 - 29	866.34	868.94	22.51	846.43	Unconsolidated
MW-2S	09/01/07	19 - 29	866.34	868.94	20.43	848.51	Unconsolidated
MW-2S	03/01/08	19 - 29	866.34	868.94	19.69	849.25	Unconsolidated
MW-2S	06/01/08	19 - 29	866.34	868.94	14.41	854.53	Unconsolidated
MW-2S	09/01/08	19 - 29	866.34	868.94	18.61	850.33	Unconsolidated

Footnotes on Page 16.

Table 2-2. Groundwater Elevations 2004 -2013, Madison-Kipp Corporation, Madison, Wisconsin.

Well/ Boring	Date	Screen Interval (feet bls)	Ground Elevation (feet amsl)	Top of Casing Elevation (feet amsl)	Depth to Water (feet btoc)	Groundwater Elevation (feet amsl)	Lithology
MW-2S	04/01/09	19 - 29	866.34	868.94	19.20	849.74	Unconsolidated
MW-2S	06/01/09	19 - 29	866.34	868.94	17.90	851.04	Unconsolidated
MW-2S	09/01/09	19 - 29	866.34	868.94	20.63	848.31	Unconsolidated
MW-2S	12/01/09	19 - 29	866.34	868.94	20.63	848.31	Unconsolidated
MW-2S	07/01/10	19 - 29	866.34	868.94	18.50	850.44	Unconsolidated
MW-2S	10/01/10	19 - 29	866.34	868.94	18.57	850.37	Unconsolidated
MW-2S	12/01/10	19 - 29	866.34	868.94	20.20	848.74	Unconsolidated
MW-2S	04/09/12	19 - 29	866.34	868.94	22.11	846.83	Unconsolidated
MW-2S	07/23/12	19 - 29	866.34	868.94	23.01	845.93	Unconsolidated
MW-2S	11/30/12	19 - 29	866.34	868.94	23.80	845.14	Unconsolidated
MW-2S	01/14/13	19 - 29	866.34	868.94	24.00	844.94	Unconsolidated
MW-2S	04/15/13	19 - 29	866.34	868.94	21.16	847.78	Unconsolidated
MW-2S	07/15/13	19 - 29	866.34	868.94	16.45	852.49	Unconsolidated
MW-2S	10/03/13	19 - 29	866.34	868.94	19.30	849.64	Unconsolidated
MW-2D	05/01/04	39 - 44	866.50	868.74	25.51	843.23	Upper Lone Rock
MW-2D	07/01/04	39 - 44	866.50	868.74	21.38	847.36	Upper Lone Rock
MW-2D	10/01/04	39 - 44	866.50	868.74	22.85	845.89	Upper Lone Rock
MW-2D	01/01/05	39 - 44	866.50	868.74	23.12	845.62	Upper Lone Rock
MW-2D	03/01/05	39 - 44	866.50	868.74	23.12	845.62	Upper Lone Rock
MW-2D	07/01/05	39 - 44	866.50	868.74	24.63	844.11	Upper Lone Rock
MW-2D	09/01/05	39 - 44	866.50	868.74	26.10	842.64	Upper Lone Rock
MW-2D	12/01/05	39 - 44	866.50	868.74	26.79	841.95	Upper Lone Rock
MW-2D	03/01/06	39 - 44	866.50	868.74	26.33	842.41	Upper Lone Rock
MW-2D	07/01/06	39 - 44	866.50	868.74	23.83	844.91	Upper Lone Rock
MW-2D	10/01/06	39 - 44	866.50	868.74	23.15	845.59	Upper Lone Rock
MW-2D	12/01/06	39 - 44	866.50	868.74	22.70	846.04	Upper Lone Rock
MW-2D	03/01/07	39 - 44	866.50	868.74	22.58	846.16	Upper Lone Rock
MW-2D	08/01/07	39 - 44	866.50	868.74	22.67	846.07	Upper Lone Rock
MW-2D	09/01/07	39 - 44	866.50	868.74	20.43	848.31	Upper Lone Rock
MW-2D	12/01/07	39 - 44	866.50	868.74	21.96	846.78	Upper Lone Rock
MW-2D	03/01/08	39 - 44	866.50	868.74	19.62	849.12	Upper Lone Rock
MW-2D	06/01/08	39 - 44	866.50	868.74	14.80	853.94	Upper Lone Rock
MW-2D	09/01/08	39 - 44	866.50	868.74	19.03	849.71	Upper Lone Rock
MW-2D	12/01/08	39 - 44	866.50	868.74	20.88	847.86	Upper Lone Rock
MW-2D	04/01/09	39 - 44	866.50	868.74	19.25	849.49	Upper Lone Rock
MW-2D	06/01/09	39 - 44	866.50	868.74	18.18	850.56	Upper Lone Rock
MW-2D	09/01/09	39 - 44	866.50	868.74	20.98	847.76	Upper Lone Rock
MW-2D	12/01/09	39 - 44	866.50	868.74	20.59	848.15	Upper Lone Rock
MW-2D	07/01/10	39 - 44	866.50	868.74	18.66	850.08	Upper Lone Rock
MW-2D	10/01/10	39 - 44	866.50	868.74	18.81	849.93	Upper Lone Rock
MW-2D	12/01/10	39 - 44	866.50	868.74	20.33	848.41	Upper Lone Rock
MW-2D	04/09/12	39 - 44	866.50	868.74	21.97	846.77	Upper Lone Rock
MW-2D	07/23/12	39 - 44	866.50	868.74	23.20	845.54	Upper Lone Rock
MW-2D	11/30/12	39 - 44	866.50	868.74	23.65	845.09	Upper Lone Rock
MW-2D	01/14/13	39 - 44	866.50	868.74	23.83	844.91	Upper Lone Rock
MW-2D	04/15/13	39 - 44	866.50	868.74	20.63	848.11	Upper Lone Rock
MW-2D	07/15/13	39 - 44	866.50	868.74	16.86	851.88	Upper Lone Rock
MW-2D	10/03/13	39 - 44	866.50	868.74	19.64	849.10	Upper Lone Rock

Footnotes on Page 16.

Table 2-2. Groundwater Elevations 2004 -2013, Madison-Kipp Corporation, Madison, Wisconsin.

Well/ Boring	Date	Screen Interval (feet bls)	Ground Elevation (feet amsl)	Top of Casing Elevation (feet amsl)	Depth to Water (feet btoc)	Groundwater Elevation (feet amsl)	Lithology
MW-3S	05/01/04	19 - 29	867.87	867.41	23.54	843.87	Unconsolidated
MW-3S	07/01/04	19 - 29	867.87	867.41	19.35	848.06	Unconsolidated
MW-3S	10/01/04	19 - 29	867.87	867.41	20.83	846.58	Unconsolidated
MW-3S	01/01/05	19 - 29	867.87	867.41	21.36	846.05	Unconsolidated
MW-3S	03/01/05	19 - 29	867.87	867.41	21.39	846.02	Unconsolidated
MW-3S	07/01/05	19 - 29	867.87	867.41	22.63	844.78	Unconsolidated
MW-3S	09/01/05	19 - 29	867.87	867.41	24.12	843.29	Unconsolidated
MW-3S	12/01/05	19 - 29	867.87	867.41	24.92	842.49	Unconsolidated
MW-3S	03/01/06	19 - 29	867.87	867.41	24.64	842.77	Unconsolidated
MW-3S	07/01/06	19 - 29	867.87	867.41	21.87	845.54	Unconsolidated
MW-3S	10/01/06	19 - 29	867.87	867.41	21.25	846.16	Unconsolidated
MW-3S	12/01/06	19 - 29	867.87	867.41	21.04	846.37	Unconsolidated
MW-3S	03/01/07	19 - 29	867.87	867.41	20.98	846.43	Unconsolidated
MW-3S	05/01/07	19 - 29	867.87	867.41	19.09	848.32	Unconsolidated
MW-3S	08/01/07	19 - 29	867.87	867.41	20.81	846.60	Unconsolidated
MW-3S	09/01/07	19 - 29	867.87	867.41	18.69	848.72	Unconsolidated
MW-3S	12/01/07	19 - 29	867.87	867.41	20.60	846.81	Unconsolidated
MW-3S	03/01/08	19 - 29	867.87	867.41	18.06	849.35	Unconsolidated
MW-3S	06/01/08	19 - 29	867.87	867.41	13.58	853.83	Unconsolidated
MW-3S	09/01/08	19 - 29	867.87	867.41	16.98	850.43	Unconsolidated
MW-3S	12/01/08	19 - 29	867.87	867.41	19.23	848.18	Unconsolidated
MW-3S	04/01/09	19 - 29	867.87	867.41	17.53	849.88	Unconsolidated
MW-3S	06/01/09	19 - 29	867.87	867.41	16.35	851.06	Unconsolidated
MW-3S	09/01/09	19 - 29	867.87	867.41	18.95	848.46	Unconsolidated
MW-3S	12/01/09	19 - 29	867.87	867.41	19.12	848.29	Unconsolidated
MW-3S	07/01/10	19 - 29	867.87	867.41	16.96	850.45	Unconsolidated
MW-3S	10/01/10	19 - 29	867.87	867.41	16.91	850.50	Unconsolidated
MW-3S	04/09/12	19 - 29	867.87	867.41	20.31	847.10	Unconsolidated
MW-3S	07/23/12	19 - 29	867.87	867.41	21.39	846.02	Unconsolidated
MW-3S	11/30/12	19 - 29	867.87	867.41	22.15	845.26	Unconsolidated
MW-3S	01/14/13	19 - 29	867.87	867.41	22.28	845.13	Unconsolidated
MW-3S	04/15/13	19 - 29	867.87	867.41	19.10	848.31	Unconsolidated
MW-3S	07/15/13	19 - 29	867.87	867.41	15.10	852.31	Unconsolidated
MW-3S	10/03/13	19 - 29	867.87	867.41	17.78	849.63	Unconsolidated
MW-3D	05/01/04	48 - 53	867.68	867.25	23.64	843.61	Upper Lone Rock
MW-3D	07/01/04	48 - 53	867.68	867.25	19.82	847.43	Upper Lone Rock
MW-3D	10/01/04	48 - 53	867.68	867.25	21.32	845.93	Upper Lone Rock
MW-3D	01/01/05	48 - 53	867.68	867.25	21.68	845.57	Upper Lone Rock
MW-3D	03/01/05	48 - 53	867.68	867.25	21.45	845.80	Upper Lone Rock
MW-3D	07/01/05	48 - 53	867.68	867.25	23.01	844.24	Upper Lone Rock
MW-3D	09/01/05	48 - 53	867.68	867.25	24.39	842.86	Upper Lone Rock
MW-3D	12/01/05	48 - 53	867.68	867.25	25.15	842.10	Upper Lone Rock
MW-3D	03/01/06	48 - 53	867.68	867.25	24.56	842.69	Upper Lone Rock
MW-3D	07/01/06	48 - 53	867.68	867.25	22.11	845.14	Upper Lone Rock
MW-3D	10/01/06	48 - 53	867.68	867.25	21.78	845.47	Upper Lone Rock
MW-3D	12/01/06	48 - 53	867.68	867.25	21.18	846.07	Upper Lone Rock
MW-3D	03/01/07	48 - 53	867.68	867.25	20.86	846.39	Upper Lone Rock
MW-3D	05/01/07	48 - 53	867.68	867.25	19.11	848.14	Upper Lone Rock

Footnotes on Page 16.

Table 2-2. Groundwater Elevations 2004 -2013, Madison-Kipp Corporation, Madison, Wisconsin.

Well/ Boring	Date	Screen Interval (feet bls)	Ground Elevation (feet amsl)	Top of Casing Elevation (feet amsl)	Depth to Water (feet btoc)	Groundwater Elevation (feet amsl)	Lithology
MW-3D	08/01/07	48 - 53	867.68	867.25	21.11	846.14	Upper Lone Rock
MW-3D	09/01/07	48 - 53	867.68	867.25	19.05	848.20	Upper Lone Rock
MW-3D	12/01/07	48 - 53	867.68	867.25	21.22	846.03	Upper Lone Rock
MW-3D	03/01/08	48 - 53	867.68	867.25	18.01	849.24	Upper Lone Rock
MW-3D	06/01/08	48 - 53	867.68	867.25	13.68	853.57	Upper Lone Rock
MW-3D	09/01/08	48 - 53	867.68	867.25	17.89	849.36	Upper Lone Rock
MW-3D	12/01/08	48 - 53	867.68	867.25	19.48	847.77	Upper Lone Rock
MW-3D	04/01/09	48 - 53	867.68	867.25	17.52	849.73	Upper Lone Rock
MW-3D	06/01/09	48 - 53	867.68	867.25	17.11	850.14	Upper Lone Rock
MW-3D	09/01/09	48 - 53	867.68	867.25	19.61	847.64	Upper Lone Rock
MW-3D	12/01/09	48 - 53	867.68	867.25	19.10	848.15	Upper Lone Rock
MW-3D	07/01/10	48 - 53	867.68	867.25	17.16	850.09	Upper Lone Rock
MW-3D	10/01/10	48 - 53	867.68	867.25	17.50	849.75	Upper Lone Rock
MW-3D	04/09/12	48 - 53	867.68	867.25	20.38	846.87	Upper Lone Rock
MW-3D	07/23/12	48 - 53	867.68	867.25	21.80	845.45	Upper Lone Rock
MW-3D	11/30/12	48 - 53	867.68	867.25	22.27	844.98	Upper Lone Rock
MW-3D	01/14/13	48 - 53	867.68	867.25	22.28	844.97	Upper Lone Rock
MW-3D	04/15/13	48 - 53	867.68	867.25	18.90	848.35	Upper Lone Rock
MW-3D	07/15/13	48 - 53	867.68	867.25	16.00	851.25	Upper Lone Rock
MW-3D	10/03/13	48 - 53	867.68	867.25	18.61	848.64	Upper Lone Rock
MW-3D2	05/01/04	76 - 81	867.58	867.39	24.65	842.74	Lower Lone Rock
MW-3D2	07/01/04	76 - 81	867.58	867.39	21.03	846.36	Lower Lone Rock
MW-3D2	10/01/04	76 - 81	867.58	867.39	22.43	844.96	Lower Lone Rock
MW-3D2	01/01/05	76 - 81	867.58	867.39	22.57	844.82	Lower Lone Rock
MW-3D2	03/01/05	76 - 81	867.58	867.39	22.37	845.02	Lower Lone Rock
MW-3D2	07/01/05	76 - 81	867.58	867.39	24.11	843.28	Lower Lone Rock
MW-3D2	09/01/05	76 - 81	867.58	867.39	25.31	842.08	Lower Lone Rock
MW-3D2	12/01/05	76 - 81	867.58	867.39	25.84	841.55	Lower Lone Rock
MW-3D2	03/01/06	76 - 81	867.58	867.39	25.19	842.20	Lower Lone Rock
MW-3D2	07/01/06	76 - 81	867.58	867.39	23.10	844.29	Lower Lone Rock
MW-3D2	10/01/06	76 - 81	867.58	867.39	23.66	843.73	Lower Lone Rock
MW-3D2	12/01/06	76 - 81	867.58	867.39	21.87	845.52	Lower Lone Rock
MW-3D2	03/01/07	76 - 81	867.58	867.39	21.73	845.66	Lower Lone Rock
MW-3D2	05/01/07	76 - 81	867.58	867.39	20.15	847.24	Lower Lone Rock
MW-3D2	08/01/07	76 - 81	867.58	867.39	22.10	845.29	Lower Lone Rock
MW-3D2	09/01/07	76 - 81	867.58	867.39	20.04	847.35	Lower Lone Rock
MW-3D2	12/01/07	76 - 81	867.58	867.39	20.37	847.02	Lower Lone Rock
MW-3D2	03/01/08	76 - 81	867.58	867.39	18.95	848.44	Lower Lone Rock
MW-3D2	06/01/08	76 - 81	867.58	867.39	14.90	852.49	Lower Lone Rock
MW-3D2	09/01/08	76 - 81	867.58	867.39	18.96	848.43	Lower Lone Rock
MW-3D2	12/01/08	76 - 81	867.58	867.39	20.43	846.96	Lower Lone Rock
MW-3D2	04/01/09	76 - 81	867.58	867.39	18.70	848.69	Lower Lone Rock
MW-3D2	06/01/09	76 - 81	867.58	867.39	18.05	849.34	Lower Lone Rock
MW-3D2	09/01/09	76 - 81	867.58	867.39	20.60	846.79	Lower Lone Rock
MW-3D2	12/01/09	76 - 81	867.58	867.39	19.86	847.53	Lower Lone Rock
MW-3D2	07/01/10	76 - 81	867.58	867.39	18.34	849.05	Lower Lone Rock
MW-3D2	10/01/10	76 - 81	867.58	867.39	18.61	848.78	Lower Lone Rock
MW-3D2	04/09/12	76 - 81	867.58	867.39	21.09	846.30	Lower Lone Rock

Footnotes on Page 16.

Table 2-2. Groundwater Elevations 2004 -2013, Madison-Kipp Corporation, Madison, Wisconsin.

Well/ Boring	Date	Screen Interval (feet bls)	Ground Elevation (feet amsl)	Top of Casing Elevation (feet amsl)	Depth to Water (feet btoc)	Groundwater Elevation (feet amsl)	Lithology
MW-3D2	07/23/12	76 - 81	867.58	867.39	22.71	844.68	Lower Lone Rock
MW-3D2	11/30/12	76 - 81	867.58	867.39	22.64	844.75	Lower Lone Rock
MW-3D2	01/14/13	76 - 81	867.58	867.39	22.70	844.69	Lower Lone Rock
MW-3D2	04/15/13	76 - 81	867.58	867.39	19.36	848.03	Lower Lone Rock
MW-3D2	07/15/13	76 - 81	867.58	867.39	16.79	850.60	Lower Lone Rock
MW-3D2	10/03/13	76 - 81	867.58	867.39	19.22	848.17	Lower Lone Rock
MW-3D3	07/23/12	214 - 224	867.61	867.35	25.38	841.97	Lower Wonewoc/Upper Eau Claire
MW-3D3	11/30/12	214 - 224	867.61	867.35	23.84	843.51	Lower Wonewoc/Upper Eau Claire
MW-3D3	01/14/13	214 - 224	867.61	867.35	23.85	843.50	Lower Wonewoc/Upper Eau Claire
MW-3D3	04/15/13	214 - 224	867.61	867.35	21.13	846.22	Lower Wonewoc/Upper Eau Claire
MW-3D3	07/15/13	214 - 224	867.61	867.35	20.60	846.75	Lower Wonewoc/Upper Eau Claire
MW-3D3	10/03/13	214 - 224	867.61	867.35	21.44	845.91	Lower Wonewoc/Upper Eau Claire
MW-4S	05/01/04	35 - 50	880.81	880.31	37.14	843.17	Unconsolidated/Upper Lone Rock
MW-4S	07/01/04	35 - 50	880.81	880.31	32.60	847.71	Unconsolidated/Upper Lone Rock
MW-4S	10/01/04	35 - 50	880.81	880.31	33.47	846.84	Unconsolidated/Upper Lone Rock
MW-4S	01/01/05	35 - 50	880.81	880.31	34.10	846.21	Unconsolidated/Upper Lone Rock
MW-4S	03/01/05	35 - 50	880.81	880.31	34.46	845.85	Unconsolidated/Upper Lone Rock
MW-4S	07/01/05	35 - 50	880.81	880.31	35.61	844.70	Unconsolidated/Upper Lone Rock
MW-4S	09/01/05	35 - 50	880.81	880.31	36.85	843.46	Unconsolidated/Upper Lone Rock
MW-4S	12/01/05	35 - 50	880.81	880.31	37.75	842.56	Unconsolidated/Upper Lone Rock
MW-4S	03/01/06	35 - 50	880.81	880.31	37.93	842.38	Unconsolidated/Upper Lone Rock
MW-4S	07/01/06	35 - 50	880.81	880.31	35.10	845.21	Unconsolidated/Upper Lone Rock
MW-4S	10/01/06	35 - 50	880.81	880.31	34.17	846.14	Unconsolidated/Upper Lone Rock
MW-4S	12/01/06	35 - 50	880.81	880.31	33.86	846.45	Unconsolidated/Upper Lone Rock
MW-4S	03/01/07	35 - 50	880.81	880.31	33.72	846.59	Unconsolidated/Upper Lone Rock
MW-4S	08/01/07	35 - 50	880.81	880.31	32.98	847.33	Unconsolidated/Upper Lone Rock
MW-4S	09/01/07	35 - 50	880.81	880.31	31.08	849.23	Unconsolidated/Upper Lone Rock
MW-4S	12/01/07	35 - 50	880.81	880.31	31.86	848.45	Unconsolidated/Upper Lone Rock
MW-4S	03/01/08	35 - 50	880.81	880.31	30.88	849.43	Unconsolidated/Upper Lone Rock
MW-4S	06/01/08	35 - 50	880.81	880.31	25.51	854.80	Unconsolidated/Upper Lone Rock
MW-4S	09/01/08	35 - 50	880.81	880.31	28.43	851.88	Unconsolidated/Upper Lone Rock
MW-4S	12/01/08	35 - 50	880.81	880.31	30.94	849.37	Unconsolidated/Upper Lone Rock
MW-4S	04/01/09	35 - 50	880.81	880.31	31.44	848.87	Unconsolidated/Upper Lone Rock
MW-4S	06/01/09	35 - 50	880.81	880.31	28.72	851.59	Unconsolidated/Upper Lone Rock
MW-4S	09/01/09	35 - 50	880.81	880.31	33.53	846.78	Unconsolidated/Upper Lone Rock
MW-4S	07/01/10	35 - 50	880.81	880.31	29.70	850.61	Unconsolidated/Upper Lone Rock
MW-4S	10/01/10	35 - 50	880.81	880.31	28.99	851.32	Unconsolidated/Upper Lone Rock
MW-4S	12/01/10	35 - 50	880.81	880.31	30.86	849.45	Unconsolidated/Upper Lone Rock
MW-4S	04/09/12	35 - 50	880.81	880.31	33.21	847.10	Unconsolidated/Upper Lone Rock
MW-4S	07/23/12	35 - 50	880.81	880.31	33.89	846.42	Unconsolidated/Upper Lone Rock

Footnotes on Page 16.

Table 2-2. Groundwater Elevations 2004 -2013, Madison-Kipp Corporation, Madison, Wisconsin.

Well/ Boring	Date	Screen Interval (feet bls)	Ground Elevation (feet amsl)	Top of Casing Elevation (feet amsl)	Depth to Water (feet btoc)	Groundwater Elevation (feet amsl)	Lithology
MW-4S	11/30/12	35 - 50	880.81	880.31	34.57	845.74	Unconsolidated/Upper Lone Rock
MW-4S	01/14/13	35 - 50	880.81	880.31	34.89	845.42	Unconsolidated/Upper Lone Rock
MW-4S	04/15/13	35 - 50	880.81	880.31	32.47	847.84	Unconsolidated/Upper Lone Rock
MW-4S	07/15/13	35 - 50	880.81	880.31	27.45	852.86	Unconsolidated/Upper Lone Rock
MW-4S	10/03/13	35 - 50	880.81	880.31	29.50	850.81	Unconsolidated/Upper Lone Rock
MW-4D	05/01/04	65 - 70	881.18	880.38	37.81	842.57	Lower Lone Rock
MW-4D	07/01/04	65 - 70	881.18	880.38	33.72	846.66	Lower Lone Rock
MW-4D	10/01/04	65 - 70	881.18	880.38	35.10	845.28	Lower Lone Rock
MW-4D	01/01/05	65 - 70	881.18	880.38	35.50	844.88	Lower Lone Rock
MW-4D	03/01/05	65 - 70	881.18	880.38	35.42	844.96	Lower Lone Rock
MW-4D	09/01/05	65 - 70	881.18	880.38	38.28	842.10	Lower Lone Rock
MW-4D	12/01/05	65 - 70	881.18	880.38	39.00	841.38	Lower Lone Rock
MW-4D	03/01/06	65 - 70	881.18	880.38	38.66	841.72	Lower Lone Rock
MW-4D	07/01/06	65 - 70	881.18	880.38	36.32	844.06	Lower Lone Rock
MW-4D	10/01/06	65 - 70	881.18	880.38	35.58	844.80	Lower Lone Rock
MW-4D	12/01/06	65 - 70	881.18	880.38	34.96	845.42	Lower Lone Rock
MW-4D	03/01/07	65 - 70	881.18	880.38	34.95	845.43	Lower Lone Rock
MW-4D	08/01/07	65 - 70	881.18	880.38	35.03	845.35	Lower Lone Rock
MW-4D	09/01/07	65 - 70	881.18	880.38	32.70	847.68	Lower Lone Rock
MW-4D	12/01/07	65 - 70	881.18	880.38	34.03	846.35	Lower Lone Rock
MW-4D	03/01/08	65 - 70	881.18	880.38	32.26	848.12	Lower Lone Rock
MW-4D	06/01/08	65 - 70	881.18	880.38	27.05	853.33	Lower Lone Rock
MW-4D	09/01/08	65 - 70	881.18	880.38	31.22	849.16	Lower Lone Rock
MW-4D	12/01/08	65 - 70	881.18	880.38	33.03	847.35	Lower Lone Rock
MW-4D	04/01/09	65 - 70	881.18	880.38	30.79	849.59	Lower Lone Rock
MW-4D	06/01/09	65 - 70	881.18	880.38	30.55	849.83	Lower Lone Rock
MW-4D	07/01/10	65 - 70	881.18	880.38	31.03	849.35	Lower Lone Rock
MW-4D	10/01/10	65 - 70	881.18	880.38	30.96	849.42	Lower Lone Rock
MW-4D	12/01/10	65 - 70	881.18	880.38	32.46	847.92	Lower Lone Rock
MW-4D	04/09/12	65 - 70	881.18	880.38	34.26	846.12	Lower Lone Rock
MW-4D	07/23/12	65 - 70	881.18	880.38	35.50	844.88	Lower Lone Rock
MW-4D	11/30/12	65 - 70	881.18	880.38	35.59	844.79	Lower Lone Rock
MW-4D	01/14/13	65 - 70	881.18	880.38	35.87	844.51	Lower Lone Rock
MW-4D	04/15/13	65 - 70	881.18	880.38	32.99	847.39	Lower Lone Rock
MW-4D	07/15/13	65 - 70	881.18	880.38	29.08	851.30	Lower Lone Rock
MW-4D	10/03/13	65 - 70	881.18	880.38	31.79	848.59	Lower Lone Rock
MW-4D2	05/01/04	91 - 96	880.36	880.20	37.57	842.63	Lower Lone Rock
MW-4D2	07/01/04	91 - 96	880.36	880.20	34.06	846.14	Lower Lone Rock
MW-4D2	10/01/04	91 - 96	880.36	880.20	35.43	844.77	Lower Lone Rock
MW-4D2	01/01/05	91 - 96	880.36	880.20	35.68	844.52	Lower Lone Rock
MW-4D2	03/01/05	91 - 96	880.36	880.20	35.56	844.64	Lower Lone Rock
MW-4D2	09/01/05	91 - 96	880.36	880.20	38.53	841.67	Lower Lone Rock
MW-4D2	12/01/05	91 - 96	880.36	880.20	39.05	841.15	Lower Lone Rock
MW-4D2	03/01/06	91 - 96	880.36	880.20	38.62	841.58	Lower Lone Rock
MW-4D2	07/01/06	91 - 96	880.36	880.20	36.73	843.47	Lower Lone Rock
MW-4D2	10/01/06	91 - 96	880.36	880.20	35.81	844.39	Lower Lone Rock
MW-4D2	12/01/06	91 - 96	880.36	880.20	35.05	845.15	Lower Lone Rock

Footnotes on Page 16.

Table 2-2. Groundwater Elevations 2004 -2013, Madison-Kipp Corporation, Madison, Wisconsin.

Well/ Boring	Date	Screen Interval (feet bls)	Ground Elevation (feet amsl)	Top of Casing Elevation (feet amsl)	Depth to Water (feet btoc)	Groundwater Elevation (feet amsl)	Lithology
MW-4D2	03/01/07	91 - 96	880.36	880.20	35.21	844.99	Lower Lone Rock
MW-4D2	08/01/07	91 - 96	880.36	880.20	35.09	845.11	Lower Lone Rock
MW-4D2	09/01/07	91 - 96	880.36	880.20	32.98	847.22	Lower Lone Rock
MW-4D2	12/01/07	91 - 96	880.36	880.20	33.76	846.44	Lower Lone Rock
MW-4D2	03/01/08	91 - 96	880.36	880.20	32.60	847.60	Lower Lone Rock
MW-4D2	06/01/08	91 - 96	880.36	880.20	28.12	852.08	Lower Lone Rock
MW-4D2	09/01/08	91 - 96	880.36	880.20	31.61	848.59	Lower Lone Rock
MW-4D2	12/01/08	91 - 96	880.36	880.20	33.20	847.00	Lower Lone Rock
MW-4D2	04/01/09	91 - 96	880.36	880.20	32.01	848.19	Lower Lone Rock
MW-4D2	06/01/09	91 - 96	880.36	880.20	30.88	849.32	Lower Lone Rock
MW-4D2	07/01/10	91 - 96	880.36	880.20	31.39	848.81	Lower Lone Rock
MW-4D2	10/01/10	91 - 96	880.36	880.20	31.26	848.94	Lower Lone Rock
MW-4D2	12/01/10	91 - 96	880.36	880.20	32.65	847.55	Lower Lone Rock
MW-4D2	04/09/12	91 - 96	880.36	880.20	31.33	848.87	Lower Lone Rock
MW-4D2	07/23/12	91 - 96	880.36	880.20	35.76	844.44	Lower Lone Rock
MW-4D2	11/30/12	91 - 96	880.36	880.20	35.82	844.38	Lower Lone Rock
MW-4D2	01/14/13	91 - 96	880.36	880.20	35.92	844.28	Lower Lone Rock
MW-4D2	04/15/13	91 - 96	880.36	880.20	32.99	847.21	Lower Lone Rock
MW-4D2	07/15/13	91 - 96	880.36	880.20	29.44	850.76	Lower Lone Rock
MW-4D2	10/03/13	91 - 96	880.36	880.20	32.08	848.12	Lower Lone Rock
MW-5S	05/01/04	34 - 44	872.56	872.14	28.68	843.46	Upper Lone Rock
MW-5S	07/01/04	34 - 44	872.56	872.14	24.68	847.46	Upper Lone Rock
MW-5S	10/01/04	34 - 44	872.56	872.14	26.34	845.80	Upper Lone Rock
MW-5S	01/01/05	34 - 44	872.56	872.14	26.66	845.48	Upper Lone Rock
MW-5S	03/01/05	34 - 44	872.56	872.14	26.62	845.52	Upper Lone Rock
MW-5S	07/01/05	34 - 44	872.56	872.14	28.13	844.01	Upper Lone Rock
MW-5S	09/01/05	34 - 44	872.56	872.14	29.54	842.60	Upper Lone Rock
MW-5S	12/01/05	34 - 44	872.56	872.14	30.14	842.00	Upper Lone Rock
MW-5S	03/01/06	34 - 44	872.56	872.14	29.79	842.35	Upper Lone Rock
MW-5S	07/01/06	34 - 44	872.56	872.14	27.32	844.82	Upper Lone Rock
MW-5S	10/01/06	34 - 44	872.56	872.14	26.72	845.42	Upper Lone Rock
MW-5S	12/01/06	34 - 44	872.56	872.14	26.21	845.93	Upper Lone Rock
MW-5S	03/01/07	34 - 44	872.56	872.14	26.04	846.10	Upper Lone Rock
MW-5S	08/01/07	34 - 44	872.56	872.14	26.40	845.74	Upper Lone Rock
MW-5S	09/01/07	34 - 44	872.56	872.14	24.09	848.05	Upper Lone Rock
MW-5S	12/01/07	34 - 44	872.56	872.14	25.55	846.59	Upper Lone Rock
MW-5S	03/01/08	34 - 44	872.56	872.14	23.30	848.84	Upper Lone Rock
MW-5S	06/01/08	34 - 44	872.56	872.14	17.98	854.16	Upper Lone Rock
MW-5S	09/01/08	34 - 44	872.56	872.14	18.82	853.32	Upper Lone Rock
MW-5S	12/01/08	34 - 44	872.56	872.14	24.45	847.69	Upper Lone Rock
MW-5S	04/01/09	34 - 44	872.56	872.14	22.43	849.71	Upper Lone Rock
MW-5S	06/01/09	34 - 44	872.56	872.14	21.65	850.49	Upper Lone Rock
MW-5S	09/01/09	34 - 44	872.56	872.14	21.81	850.33	Upper Lone Rock
MW-5S	12/01/09	34 - 44	872.56	872.14	24.10	848.04	Upper Lone Rock
MW-5S	07/01/10	34 - 44	872.56	872.14	22.30	849.84	Upper Lone Rock
MW-5S	10/01/10	34 - 44	872.56	872.14	21.61	850.53	Upper Lone Rock
MW-5S	12/01/10	34 - 44	872.56	872.14	23.84	848.30	Upper Lone Rock
MW-5S	04/09/12	34 - 44	872.56	872.14	25.48	846.66	Upper Lone Rock

Footnotes on Page 16.

Table 2-2. Groundwater Elevations 2004 -2013, Madison-Kipp Corporation, Madison, Wisconsin.

Well/ Boring	Date	Screen Interval (feet bls)	Ground Elevation (feet amsl)	Top of Casing Elevation (feet amsl)	Depth to Water (feet btoc)	Groundwater Elevation (feet amsl)	Lithology
MW-5S	07/23/12	34 - 44	872.56	872.14	26.73	845.41	Upper Lone Rock
MW-5S	01/14/13	34 - 44	872.56	872.14	27.36	844.78	Upper Lone Rock
MW-5S	04/15/13	34 - 44	872.56	872.14	23.71	848.43	Upper Lone Rock
MW-5S	07/15/13	34 - 44	872.56	872.14	20.10	852.04	Upper Lone Rock
MW-5S	10/03/13	34 - 44	872.56	872.14	23.07	849.07	Upper Lone Rock
MW-5D	05/01/04	75 - 80	872.58	872.10	29.12	842.98	Lower Lone Rock
MW-5D	07/01/04	75 - 80	872.58	872.10	25.21	846.89	Lower Lone Rock
MW-5D	10/01/04	75 - 80	872.58	872.10	26.67	845.43	Lower Lone Rock
MW-5D	01/01/05	75 - 80	872.58	872.10	27.05	845.05	Lower Lone Rock
MW-5D	03/01/05	75 - 80	872.58	872.10	26.91	845.19	Lower Lone Rock
MW-5D	07/01/05	75 - 80	872.58	872.10	28.48	843.62	Lower Lone Rock
MW-5D	09/01/05	75 - 80	872.58	872.10	29.84	842.26	Lower Lone Rock
MW-5D	12/01/05	75 - 80	872.58	872.10	30.38	841.72	Lower Lone Rock
MW-5D	03/01/06	75 - 80	872.58	872.10	29.91	842.19	Lower Lone Rock
MW-5D	07/01/06	75 - 80	872.58	872.10	27.63	844.47	Lower Lone Rock
MW-5D	10/01/06	75 - 80	872.58	872.10	27.06	845.04	Lower Lone Rock
MW-5D	12/01/06	75 - 80	872.58	872.10	26.48	845.62	Lower Lone Rock
MW-5D	03/01/07	75 - 80	872.58	872.10	26.45	845.65	Lower Lone Rock
MW-5D	08/01/07	75 - 80	872.58	872.10	26.60	845.50	Lower Lone Rock
MW-5D	09/01/07	75 - 80	872.58	872.10	24.47	847.63	Lower Lone Rock
MW-5D	12/01/07	75 - 80	872.58	872.10	25.68	846.42	Lower Lone Rock
MW-5D	03/01/08	75 - 80	872.58	872.10	23.61	848.49	Lower Lone Rock
MW-5D	06/01/08	75 - 80	872.58	872.10	18.93	853.17	Lower Lone Rock
MW-5D	09/01/08	75 - 80	872.58	872.10	23.08	849.02	Lower Lone Rock
MW-5D	12/01/08	75 - 80	872.58	872.10	24.85	847.25	Lower Lone Rock
MW-5D	04/01/09	75 - 80	872.58	872.10	23.17	848.93	Lower Lone Rock
MW-5D	06/01/09	75 - 80	872.58	872.10	22.29	849.81	Lower Lone Rock
MW-5D	09/01/09	75 - 80	872.58	872.10	25.20	846.90	Lower Lone Rock
MW-5D	12/01/09	75 - 80	872.58	872.10	24.55	847.55	Lower Lone Rock
MW-5D	07/01/10	75 - 80	872.58	872.10	22.79	849.31	Lower Lone Rock
MW-5D	10/01/10	75 - 80	872.58	872.10	22.91	849.19	Lower Lone Rock
MW-5D	12/01/10	75 - 80	872.58	872.10	24.26	847.84	Lower Lone Rock
MW-5D	04/09/12	75 - 80	872.58	872.10	27.10	845.00	Lower Lone Rock
MW-5D	07/23/12	75 - 80	872.58	872.10	27.15	844.95	Lower Lone Rock
MW-5D	11/30/12	75 - 80	872.58	872.10	27.38	844.72	Lower Lone Rock
MW-5D	01/14/13	75 - 80	872.58	872.10	27.52	844.58	Lower Lone Rock
MW-5D	04/15/13	75 - 80	872.58	872.10	23.41	848.69	Lower Lone Rock
MW-5D	07/15/13	75 - 80	872.58	872.10	20.85	851.25	Lower Lone Rock
MW-5D	10/03/13	75 - 80	872.58	872.10	23.65	848.45	Lower Lone Rock
MW-5D2	05/01/04	165 - 170	872.59	872.20	31.87	840.33	Lower Wonewoc
MW-5D2	07/01/04	165 - 170	872.59	872.20	29.36	842.84	Lower Wonewoc
MW-5D2	10/01/04	165 - 170	872.59	872.20	30.26	841.94	Lower Wonewoc
MW-5D2	01/01/05	165 - 170	872.59	872.20	29.59	842.61	Lower Wonewoc
MW-5D2	03/01/05	165 - 170	872.59	872.20	28.84	843.36	Lower Wonewoc
MW-5D2	07/01/05	165 - 170	872.59	872.20	31.60	840.60	Lower Wonewoc
MW-5D2	09/01/05	165 - 170	872.59	872.20	32.52	839.68	Lower Wonewoc
MW-5D2	12/01/05	165 - 170	872.59	872.20	32.62	839.58	Lower Wonewoc

Footnotes on Page 16.

Table 2-2. Groundwater Elevations 2004 -2013, Madison-Kipp Corporation, Madison, Wisconsin.

Well/ Boring	Date	Screen Interval (feet bls)	Ground Elevation (feet amsl)	Top of Casing Elevation (feet amsl)	Depth to Water (feet btoc)	Groundwater Elevation (feet amsl)	Lithology
MW-5D2	03/01/06	165 - 170	872.59	872.20	30.98	841.22	Lower Wonewoc
MW-5D2	07/01/06	165 - 170	872.59	872.20	30.59	841.61	Lower Wonewoc
MW-5D2	10/01/06	165 - 170	872.59	872.20	30.16	842.04	Lower Wonewoc
MW-5D2	12/01/06	165 - 170	872.59	872.20	28.66	843.54	Lower Wonewoc
MW-5D2	03/01/07	165 - 170	872.59	872.20	28.69	843.51	Lower Wonewoc
MW-5D2	08/01/07	165 - 170	872.59	872.20	30.01	842.19	Lower Wonewoc
MW-5D2	09/01/07	165 - 170	872.59	872.20	28.17	844.03	Lower Wonewoc
MW-5D2	12/01/07	165 - 170	872.59	872.20	28.48	843.72	Lower Wonewoc
MW-5D2	03/01/08	165 - 170	872.59	872.20	26.56	845.64	Lower Wonewoc
MW-5D2	06/01/08	165 - 170	872.59	872.20	23.96	848.24	Lower Wonewoc
MW-5D2	09/01/08	165 - 170	872.59	872.20	27.31	844.89	Lower Wonewoc
MW-5D2	12/01/08	165 - 170	872.59	872.20	27.55	844.65	Lower Wonewoc
MW-5D2	04/01/09	165 - 170	872.59	872.20	26.08	846.12	Lower Wonewoc
MW-5D2	06/01/09	165 - 170	872.59	872.20	26.47	845.73	Lower Wonewoc
MW-5D2	09/01/09	165 - 170	872.59	872.20	28.45	843.75	Lower Wonewoc
MW-5D2	12/01/09	165 - 170	872.59	872.20	26.83	845.37	Lower Wonewoc
MW-5D2	07/01/10	165 - 170	872.59	872.20	26.59	845.61	Lower Wonewoc
MW-5D2	10/01/10	165 - 170	872.59	872.20	26.69	845.51	Lower Wonewoc
MW-5D2	12/01/10	165 - 170	872.59	872.20	26.94	845.26	Lower Wonewoc
MW-5D2	04/09/12	165 - 170	872.59	872.20	27.68	844.52	Lower Wonewoc
MW-5D2	07/23/12	165 - 170	872.59	872.20	30.48	841.72	Lower Wonewoc
MW-5D2	11/30/12	165 - 170	872.59	872.20	28.95	843.25	Lower Wonewoc
MW-5D2	01/14/13	165 - 170	872.59	872.20	28.89	843.31	Lower Wonewoc
MW-5D2	04/15/13	165 - 170	872.59	872.20	26.16	846.04	Lower Wonewoc
MW-5D2	07/15/13	165 - 170	872.59	872.20	25.81	846.39	Lower Wonewoc
MW-5D2	10/03/13	165 - 170	872.59	872.20	27.45	844.75	Lower Wonewoc
MW-5D3	07/23/12	225 - 235	872.34	871.89	30.08	841.81	Lower Wonewoc/Upper Eau Claire
MW-5D3	11/30/12	225 - 235	872.34	871.89	28.50	843.39	Lower Wonewoc/Upper Eau Claire
MW-5D3	01/14/13	225 - 235	872.34	871.89	28.47	843.42	Lower Wonewoc/Upper Eau Claire
MW-5D3	04/15/13	225 - 235	872.34	871.89	25.77	846.12	Lower Wonewoc/Upper Eau Claire
MW-5D3	07/15/13	225 - 235	872.34	871.89	25.83	846.06	Lower Wonewoc/Upper Eau Claire
MW-5D3	10/03/13	225 - 235	872.34	871.89	27.02	844.87	Lower Wonewoc/Upper Eau Claire
MW-6S	05/01/04	32 - 42	877.20	876.69	34.16	842.53	Unconsolidated/ Upper Lone Rock
MW-6S	07/01/04	32 - 42	877.20	876.69	29.87	846.82	Unconsolidated/ Upper Lone Rock
MW-6S	10/01/04	32 - 42	877.20	876.69	31.00	845.69	Unconsolidated/ Upper Lone Rock
MW-6S	01/01/05	32 - 42	877.20	876.69	31.51	845.18	Unconsolidated/ Upper Lone Rock
MW-6S	03/01/05	32 - 42	877.20	876.69	31.93	844.76	Unconsolidated/ Upper Lone Rock
MW-6S	07/01/05	32 - 42	877.20	876.69	33.09	843.60	Unconsolidated/ Upper Lone Rock
MW-6S	09/01/05	32 - 42	877.20	876.69	34.17	842.52	Unconsolidated/ Upper Lone Rock
MW-6S	12/01/05	32 - 42	877.20	876.69	35.83	840.86	Unconsolidated/ Upper Lone Rock
MW-6S	03/01/06	32 - 42	877.20	876.69	34.89	841.80	Unconsolidated/ Upper Lone Rock

Footnotes on Page 16.

Table 2-2. Groundwater Elevations 2004 -2013, Madison-Kipp Corporation, Madison, Wisconsin.

Well/ Boring	Date	Screen Interval (feet bls)	Ground Elevation (feet amsl)	Top of Casing Elevation (feet amsl)	Depth to Water (feet btoc)	Groundwater Elevation (feet amsl)	Lithology
MW-6S	07/01/06	32 - 42	877.20	876.69	32.52	844.17	Unconsolidated/ Upper Lone Rock
MW-6S	10/01/06	32 - 42	877.20	876.69	31.81	844.88	Unconsolidated/ Upper Lone Rock
MW-6S	12/01/06	32 - 42	877.20	876.69	31.34	845.35	Unconsolidated/ Upper Lone Rock
MW-6S	03/01/07	32 - 42	877.20	876.69	31.54	845.15	Unconsolidated/ Upper Lone Rock
MW-6S	08/01/07	32 - 42	877.20	876.69	31.96	844.73	Unconsolidated/ Upper Lone Rock
MW-6S	09/01/07	32 - 42	877.20	876.69	28.95	847.74	Unconsolidated/ Upper Lone Rock
MW-6S	12/01/07	32 - 42	877.20	876.69	30.23	846.46	Unconsolidated/ Upper Lone Rock
MW-6S	03/01/08	32 - 42	877.20	876.69	28.84	847.85	Unconsolidated/ Upper Lone Rock
MW-6S	06/01/08	32 - 42	877.20	876.69	24.08	852.61	Unconsolidated/ Upper Lone Rock
MW-6S	09/01/08	32 - 42	877.20	876.69	26.88	849.81	Unconsolidated/ Upper Lone Rock
MW-6S	12/01/08	32 - 42	877.20	876.69	29.09	847.60	Unconsolidated/ Upper Lone Rock
MW-6S	04/01/09	32 - 42	877.20	876.69	28.69	848.00	Unconsolidated/ Upper Lone Rock
MW-6S	06/01/09	32 - 42	877.20	876.69	26.67	850.02	Unconsolidated/ Upper Lone Rock
MW-6S	09/01/09	32 - 42	877.20	876.69	28.95	847.74	Unconsolidated/ Upper Lone Rock
MW-6S	12/01/09	32 - 42	877.20	876.69	29.26	847.43	Unconsolidated/ Upper Lone Rock
MW-6S	07/01/10	32 - 42	877.20	876.69	27.66	849.03	Unconsolidated/ Upper Lone Rock
MW-6S	10/01/10	32 - 42	877.20	876.69	26.91	849.78	Unconsolidated/ Upper Lone Rock
MW-6S	12/01/10	32 - 42	877.20	876.69	28.55	848.14	Unconsolidated/ Upper Lone Rock
MW-6S	04/09/12	32 - 42	877.20	876.69	30.80	845.89	Unconsolidated/ Upper Lone Rock
MW-6S	07/23/12	32 - 42	877.20	876.69	31.40	845.29	Unconsolidated/ Upper Lone Rock
MW-6S	01/14/13	32 - 42	877.20	876.69	32.31	844.38	Unconsolidated/ Upper Lone Rock
MW-6S	04/15/13	32 - 42	877.20	876.69	30.72	845.97	Unconsolidated/ Upper Lone Rock
MW-6S	07/15/13	32 - 42	877.20	876.69	25.35	851.34	Unconsolidated/ Upper Lone Rock
MW-6S	10/03/13	32 - 42	877.20	876.69	27.61	849.08	Unconsolidated/ Upper Lone Rock
MW-6D	05/01/04	65 - 70	877.11	876.69	34.34	842.35	Lower Lone Rock
MW-6D	07/01/04	65 - 70	877.11	876.69	30.45	846.24	Lower Lone Rock
MW-6D	10/01/04	65 - 70	877.11	876.69	31.72	844.97	Lower Lone Rock
MW-6D	01/01/05	65 - 70	877.11	876.69	32.17	844.52	Lower Lone Rock
MW-6D	03/01/05	65 - 70	877.11	876.69	32.17	844.52	Lower Lone Rock
MW-6D	07/01/05	65 - 70	877.11	876.69	33.70	842.99	Lower Lone Rock
MW-6D	09/01/05	65 - 70	877.11	876.69	34.87	841.82	Lower Lone Rock
MW-6D	12/01/05	65 - 70	877.11	876.69	35.39	841.30	Lower Lone Rock
MW-6D	03/01/06	65 - 70	877.11	876.69	35.06	841.63	Lower Lone Rock
MW-6D	07/01/06	65 - 70	877.11	876.69	33.06	843.63	Lower Lone Rock
MW-6D	10/01/06	65 - 70	877.11	876.69	32.42	844.27	Lower Lone Rock
MW-6D	12/01/06	65 - 70	877.11	876.69	31.72	844.97	Lower Lone Rock
MW-6D	03/01/07	65 - 70	877.11	876.69	31.87	844.82	Lower Lone Rock
MW-6D	08/01/07	65 - 70	877.11	876.69	31.73	844.96	Lower Lone Rock
MW-6D	09/01/07	65 - 70	877.11	876.69	29.64	847.05	Lower Lone Rock
MW-6D	12/01/07	65 - 70	877.11	876.69	30.86	845.83	Lower Lone Rock
MW-6D	03/01/08	65 - 70	877.11	876.69	29.39	847.30	Lower Lone Rock
MW-6D	06/01/08	65 - 70	877.11	876.69	24.50	852.19	Lower Lone Rock
MW-6D	09/01/08	65 - 70	877.11	876.69	28.10	848.59	Lower Lone Rock
MW-6D	12/01/08	65 - 70	877.11	876.69	29.87	846.82	Lower Lone Rock
MW-6D	04/01/09	65 - 70	877.11	876.69	28.93	847.76	Lower Lone Rock
MW-6D	06/01/09	65 - 70	877.11	876.69	27.51	849.18	Lower Lone Rock
MW-6D	09/01/09	65 - 70	877.11	876.69	29.95	846.74	Lower Lone Rock
MW-6D	12/01/09	65 - 70	877.11	876.69	29.70	846.99	Lower Lone Rock

Footnotes on Page 16.

Table 2-2. Groundwater Elevations 2004 -2013, Madison-Kipp Corporation, Madison, Wisconsin.

Well/ Boring	Date	Screen Interval (feet bls)	Ground Elevation (feet amsl)	Top of Casing Elevation (feet amsl)	Depth to Water (feet btoc)	Groundwater Elevation (feet amsl)	Lithology
MW-6D	07/01/10	65 - 70	877.11	876.69	28.11	848.58	Lower Lone Rock
MW-6D	10/01/10	65 - 70	877.11	876.69	27.80	848.89	Lower Lone Rock
MW-6D	12/01/10	65 - 70	877.11	876.69	29.24	847.45	Lower Lone Rock
MW-6D	04/09/12	65 - 70	877.11	876.69	31.15	845.54	Lower Lone Rock
MW-6D	07/23/12	65 - 70	877.11	876.69	32.25	844.44	Lower Lone Rock
MW-6D	01/14/13	65 - 70	877.11	876.69	32.38	844.31	Lower Lone Rock
MW-6D	04/15/13	65 - 70	877.11	876.69	30.11	846.58	Lower Lone Rock
MW-6D	07/15/13	65 - 70	877.11	876.69	25.97	850.72	Lower Lone Rock
MW-6D	10/03/13	65 - 70	877.11	876.69	28.65	848.04	Lower Lone Rock
MW-7	04/09/12	25 - 35	870.91	870.42	23.82	846.60	Unconsolidated
MW-7	07/23/12	25 - 35	870.91	870.42	24.91	845.51	Unconsolidated
MW-7	11/30/12	25 - 35	870.91	870.42	25.48	844.94	Unconsolidated
MW-7	01/14/13	25 - 35	870.91	870.42	25.82	844.60	Unconsolidated
MW-7	04/15/13	25 - 35	870.91	870.42	22.64	847.78	Unconsolidated
MW-7	07/15/13	25 - 35	870.91	870.42	17.87	852.55	Unconsolidated
MW-7	10/03/13	25 - 35	870.91	870.42	21.37	849.05	Unconsolidated
MW-8	04/09/12	24 - 34	867.69	866.78	19.74	847.04	Unconsolidated
MW-8	07/23/12	24 - 34	867.69	866.78	21.12	845.66	Unconsolidated
MW-8	11/30/12	24 - 34	867.69	866.78	21.71	845.07	Unconsolidated
MW-8	01/14/13	24 - 34	867.69	866.78	21.97	844.81	Unconsolidated
MW-8	04/15/13	24 - 34	867.69	866.78	17.57	849.21	Unconsolidated
MW-8	07/15/13	24 - 34	867.69	866.78	14.09	852.69	Unconsolidated
MW-8	10/03/13	24 - 34	867.69	866.78	17.63	849.15	Unconsolidated
MW-9D	04/09/12	44 - 49	855.80	855.47	9.33	846.14	Upper Lone Rock
MW-9D	07/23/12	44 - 49	855.80	855.47	11.49	843.98	Upper Lone Rock
MW-9D	01/14/13	44 - 49	855.80	855.47	10.79	844.68	Upper Lone Rock
MW-9D	04/15/13	44 - 49	855.80	855.47	7.57	847.90	Upper Lone Rock
MW-9D	07/15/13	44 - 49	855.80	855.47	6.77	848.70	Upper Lone Rock
MW-9D	10/03/13	44 - 49	855.80	855.47	8.73	846.74	Upper Lone Rock
MW-9D2	04/09/12	64 - 69	855.89	855.48	9.52	845.96	Lower Lone Rock
MW-9D2	07/23/12	64 - 69	855.89	855.48	11.66	843.82	Lower Lone Rock
MW-9D2	01/14/13	64 - 69	855.89	855.48	10.86	844.62	Lower Lone Rock
MW-9D2	04/15/13	64 - 69	855.89	855.48	7.79	847.69	Lower Lone Rock
MW-9D2	07/15/13	64 - 69	855.89	855.48	6.88	848.60	Lower Lone Rock
MW-9D2	10/03/13	64 - 69	855.89	855.48	8.84	846.64	Lower Lone Rock
MW-10S	04/09/12	11 - 21	864.88	864.42	17.21	847.21	Unconsolidated
MW-10S	07/23/12	11 - 21	864.88	864.42	18.31	846.11	Unconsolidated
MW-10S	01/14/13	11 - 21	864.88	864.42	19.30	845.12	Unconsolidated
MW-10S	4/15/2013	11 - 21	864.88	864.42	16.08	848.34	Unconsolidated
MW-10S	07/15/13	11 - 21	864.88	864.42	12.10	852.32	Unconsolidated
MW-10S	10/03/13	11 - 21	864.88	864.42	14.68	849.74	Unconsolidated
MW-11S	04/11/12	24 - 34	874.10	873.47	27.53	845.94	Unconsolidated
MW-11S	07/23/12	24 - 34	874.10	873.47	28.31	845.16	Unconsolidated

Footnotes on Page 16.

Table 2-2. Groundwater Elevations 2004 -2013, Madison-Kipp Corporation, Madison, Wisconsin.

Well/ Boring	Date	Screen Interval (feet bls)	Ground Elevation (feet amsl)	Top of Casing Elevation (feet amsl)	Depth to Water (feet btoc)	Groundwater Elevation (feet amsl)	Lithology
MW-11S	11/30/12	24 - 34	874.10	873.47	28.80	844.67	Unconsolidated
MW-11S	01/14/13	24 - 34	874.10	873.47	29.10	844.37	Unconsolidated
MW-11S	04/15/13	24 - 34	874.10	873.47	26.82	846.65	Unconsolidated
MW-11S	07/15/13	24 - 34	874.10	873.47	21.97	851.50	Unconsolidated
MW-11S	10/03/13	24 - 34	874.10	873.47	24.84	848.63	Unconsolidated
MW-12S	04/11/12	3 - 13	859.78	859.41	9.38	850.03	Unconsolidated
MW-12S	07/23/12	3 - 13	859.78	859.41	10.80	848.61	Unconsolidated
MW-12S	11/30/12	3 - 13	859.78	859.41	11.85	847.56	Unconsolidated
MW-12S	01/14/13	3 - 13	859.78	859.41	9.32	850.09	Unconsolidated
MW-12S	04/15/13	3 - 13	859.78	859.41	2.35	857.06	Unconsolidated
MW-12S	07/15/13	3 - 13	859.78	859.41	6.73	852.68	Unconsolidated
MW-12S	10/03/13	3 - 13	859.78	859.41	9.14	850.27	Unconsolidated
MP-13	12/01/12	44 - 48	864.49	863.99	18.50	845.49	Upper Lone Rock
MP-13	01/14/13	44 - 48	864.49	863.99	18.40	845.59	Upper Lone Rock
MP-13	04/17/13	44 - 48	864.49	863.99	14.66	849.33	Upper Lone Rock
MP-13	07/22/13	44 - 48	864.49	863.99	12.44	851.55	Upper Lone Rock
MP-13	10/07/13	44 - 48	864.49	863.99	15.19	848.80	Upper Lone Rock
MP-13	12/01/12	67 - 71	864.49	863.99	18.80	845.19	Lower Lone Rock
MP-13	01/14/13	67 - 71	864.49	863.99	18.77	845.22	Lower Lone Rock
MP-13	04/17/13	67 - 71	864.49	863.99	15.14	848.85	Lower Lone Rock
MP-13	07/22/13	67 - 71	864.49	863.99	13.18	850.81	Lower Lone Rock
MP-13	10/07/13	67 - 71	864.49	863.99	15.79	848.20	Lower Lone Rock
MP-13	12/01/12	81 - 85	864.49	863.99	18.90	845.09	Lower Lone Rock
MP-13	01/14/13	81 - 85	864.49	863.99	18.90	845.09	Lower Lone Rock
MP-13	04/17/13	81 - 85	864.49	863.99	15.37	848.62	Lower Lone Rock
MP-13	07/22/13	81 - 85	864.49	863.99	13.57	850.42	Lower Lone Rock
MP-13	10/07/13	81 - 85	864.49	863.99	16.02	847.97	Lower Lone Rock
MP-13	12/01/12	102 - 106	864.49	863.99	19.90	844.09	Upper Wonewoc
MP-13	01/14/13	102 - 106	864.49	863.99	19.97	844.02	Upper Wonewoc
MP-13	04/17/13	102 - 106	864.49	863.99	16.93	847.06	Upper Wonewoc
MP-13	07/22/13	102 - 106	864.49	863.99	16.40	847.59	Upper Wonewoc
MP-13	10/07/13	102 - 106	864.49	863.99	18.08	845.91	Upper Wonewoc
MP-13	12/01/12	121 - 125	864.49	863.99	20.00	843.99	Upper Wonewoc
MP-13	01/14/13	121 - 125	864.49	863.99	20.01	843.98	Upper Wonewoc
MP-13	04/17/13	121 - 125	864.49	863.99	16.99	847.00	Upper Wonewoc
MP-13	07/22/13	121 - 125	864.49	863.99	16.50	847.49	Upper Wonewoc
MP-13	10/07/13	121 - 125	864.49	863.99	18.14	845.85	Upper Wonewoc
MP-13	12/01/12	135 - 139	864.49	863.99	20.10	843.89	Lower Wonewoc
MP-13	01/14/13	135 - 139	864.49	863.99	20.10	843.89	Lower Wonewoc
MP-13	04/17/13	135 - 139	864.49	863.99	17.10	846.89	Lower Wonewoc
MP-13	07/22/13	135 - 139	864.49	863.99	16.71	847.28	Lower Wonewoc
MP-13	10/07/13	135 - 139	864.49	863.99	18.32	845.67	Lower Wonewoc

Footnotes on Page 16.

Table 2-2. Groundwater Elevations 2004 -2013, Madison-Kipp Corporation, Madison, Wisconsin.

Well/ Boring	Date	Screen Interval (feet bls)	Ground Elevation (feet amsl)	Top of Casing Elevation (feet amsl)	Depth to Water (feet btoc)	Groundwater Elevation (feet amsl)	Lithology
MP-13	12/01/12	163 - 167	864.49	863.99	20.40	843.59	Lower Wonewoc
MP-13	01/14/13	163 - 167	864.49	863.99	20.26	843.73	Lower Wonewoc
MP-13	04/17/13	163 - 167	864.49	863.99	17.37	846.62	Lower Wonewoc
MP-13	07/22/13	163 - 167	864.49	863.99	17.12	846.87	Lower Wonewoc
MP-13	10/07/13	163 - 167	864.49	863.99	18.71	845.28	Lower Wonewoc
MP-14	01/14/13	70 - 75	866.88	867.28	21.73	845.55	Lower Lone Rock
MP-14	04/16/13	70 - 75	866.88	867.28	18.06	849.22	Lower Lone Rock
MP-14	07/22/13	70 - 75	866.88	867.28	15.08	852.20	Lower Lone Rock
MP-14	10/08/13	70 - 75	866.88	867.28	17.97	849.31	Lower Lone Rock
MP-14	01/14/13	100 - 105	866.88	867.28	23.03	844.25	Upper Wonewoc
MP-14	04/16/13	100 - 105	866.88	867.28	19.82	847.46	Upper Wonewoc
MP-14	07/22/13	100 - 105	866.88	867.28	18.83	848.45	Upper Wonewoc
MP-14	10/08/13	100 - 105	866.88	867.28	20.75	846.53	Upper Wonewoc
MP-14	01/14/13	135 - 140	866.88	867.28	23.34	843.94	Lower Wonewoc
MP-14	04/16/13	135 - 140	866.88	867.28	20.15	847.13	Lower Wonewoc
MP-14	07/22/13	135 - 140	866.88	867.28	19.55	847.73	Lower Wonewoc
MP-14	10/08/13	135 - 140	866.88	867.28	21.28	846.00	Lower Wonewoc
MP-14	01/14/13	170 - 178	866.88	867.28	23.57	843.71	Lower Wonewoc
MP-14	04/16/13	170 - 178	866.88	867.28	20.40	846.88	Lower Wonewoc
MP-14	07/22/13	170 - 178	866.88	867.28	20.08	847.20	Lower Wonewoc
MP-14	10/08/13	170 - 178	866.88	867.28	21.74	845.54	Lower Wonewoc
MP-15	01/14/13	88 - 92	855.98	855.50	11.12	844.38	Upper Wonewoc
MP-15	04/15/13	88 - 92	855.98	855.50	3.27	852.23	Upper Wonewoc
MP-15	07/22/13	88 - 92	855.98	855.50	8.05	847.45	Upper Wonewoc
MP-15	10/08/13	88 - 92	855.98	855.50	9.52	845.98	Upper Wonewoc
MP-15	01/14/13	100 - 105	855.98	855.50	11.08	844.42	Upper Wonewoc
MP-15	04/15/13	100 - 105	855.98	855.50	8.27	847.23	Upper Wonewoc
MP-15	07/22/13	100 - 105	855.98	855.50	8.08	847.42	Upper Wonewoc
MP-15	10/08/13	100 - 105	855.98	855.50	9.51	845.99	Upper Wonewoc
MP-15	01/14/13	120 - 125	855.98	855.50	11.15	844.35	Lower Wonewoc
MP-15	04/15/13	120 - 125	855.98	855.50	8.31	847.19	Lower Wonewoc
MP-15	07/22/13	120 - 125	855.98	855.50	8.22	847.28	Lower Wonewoc
MP-15	10/08/13	120 - 125	855.98	855.50	9.65	845.85	Lower Wonewoc
MP-15	01/14/13	142 - 146	855.98	855.50	11.30	844.20	Lower Wonewoc
MP-15	04/15/13	142 - 146	855.98	855.50	8.55	846.95	Lower Wonewoc
MP-15	07/22/13	142 - 146	855.98	855.50	8.60	846.90	Lower Wonewoc
MP-15	10/08/13	142 - 146	855.98	855.50	9.91	845.59	Lower Wonewoc
MP-15	01/14/13	177 - 187	855.98	855.50	11.36	844.14	Lower Wonewoc
MP-15	04/15/13	177 - 187	855.98	855.50	8.63	846.87	Lower Wonewoc

Footnotes on Page 16.

Table 2-2. Groundwater Elevations 2004 -2013, Madison-Kipp Corporation, Madison, Wisconsin.

Well/ Boring	Date	Screen Interval (feet bls)	Ground Elevation (feet amsl)	Top of Casing Elevation (feet amsl)	Depth to Water (feet btoc)	Groundwater Elevation (feet amsl)	Lithology
MP-15	07/22/13	177 - 187	855.98	855.50	8.68	846.82	Lower Wonewoc
MP-15	10/08/13	177 - 187	855.98	855.50	10.00	845.50	Lower Wonewoc
MP-16	01/14/13	80 - 84	870.68	870.17	25.79	844.38	Lower Lone Rock
MP-16	04/16/13	80 - 84	870.68	870.17	22.98	847.19	Lower Lone Rock
MP-16	07/23/13	80 - 84	870.68	870.17	19.98	850.19	Lower Lone Rock
MP-16	10/09/13	80 - 84	870.68	870.17	22.65	847.52	Lower Lone Rock
MP-16	01/14/13	106 - 116	870.68	870.17	26.72	843.45	Upper Wonewoc
MP-16	04/16/13	106 - 116	870.68	870.17	23.76	846.41	Upper Wonewoc
MP-16	07/23/13	106 - 116	870.68	870.17	23.07	847.10	Upper Wonewoc
MP-16	10/09/13	106 - 116	870.68	870.17	24.71	845.46	Upper Wonewoc
MP-16	01/14/13	140 - 144	870.68	870.17	26.88	843.29	Lower Wonewoc
MP-16	04/16/13	140 - 144	870.68	870.17	23.90	846.27	Lower Wonewoc
MP-16	07/23/13	140 - 144	870.68	870.17	23.48	846.69	Lower Wonewoc
MP-16	10/08/13	140 - 144	870.68	870.17	24.98	845.19	Lower Wonewoc
MP-16	01/14/13	175 - 179	870.68	870.17	27.13	843.04	Lower Wonewoc
MP-16	04/16/13	175 - 179	870.68	870.17	24.18	845.99	Lower Wonewoc
MP-16	07/23/13	175 - 179	870.68	870.17	24.11	846.06	Lower Wonewoc
MP-16	10/08/13	175 - 179	870.68	870.17	25.38	844.79	Lower Wonewoc
MW-17	01/14/13	160 - 170	877.26	876.65	33.80	842.85	Upper Wonewoc
MW-17	04/15/13	160 - 170	877.26	876.65	30.96	845.69	Upper Wonewoc
MW-17	07/15/13	160 - 170	877.26	876.65	30.48	846.17	Upper Wonewoc
MW-17	10/03/13	160 - 170	877.26	876.65	32.21	844.44	Upper Wonewoc
MW-18S	11/30/12	20 - 30	867.89	867.24	21.89	845.35	Unconsolidated
MW-18S	01/14/13	20 - 30	867.89	867.24	22.02	845.22	Unconsolidated
MW-18S	04/15/13	20 - 30	867.89	867.24	18.79	848.45	Unconsolidated
MW-18S	07/15/13	20 - 30	867.89	867.24	14.70	852.54	Unconsolidated
MW-18S	10/03/13	20 - 30	867.89	867.24	17.44	849.80	Unconsolidated
MW-19D	11/30/12	60 - 90	867.44	866.75	21.93	844.82	Lower Lone Rock
MW-19D	01/14/13	60 - 90	867.44	866.75	21.93	844.82	Lower Lone Rock
MW-19D	04/15/13	60 - 90	867.44	866.75	18.58	848.17	Lower Lone Rock
MW-19D	07/15/13	60 - 90	867.44	866.75	17.93	848.82	Lower Lone Rock
MW-19D	10/03/13	60 - 90	867.44	866.75	18.73	848.02	Lower Lone Rock
MW-19D2	11/30/12	110 - 140	867.44	866.71	23.11	843.60	Upper Wonewoc
MW-19D2	01/14/13	110 - 140	867.44	866.71	23.06	843.65	Upper Wonewoc
MW-19D2	04/15/13	110 - 140	867.44	866.71	20.28	846.43	Upper Wonewoc
MW-19D2	07/15/13	110 - 140	867.44	866.71	19.67	847.04	Upper Wonewoc
MW-19D2	10/03/13	110 - 140	867.44	866.71	21.38	845.33	Upper Wonewoc
MW-20D	11/30/12	60 - 90	867.36	866.96	22.09	844.87	Lower Lone Rock
MW-20D	01/14/13	60 - 90	867.36	866.96	22.09	844.87	Lower Lone Rock
MW-20D	04/15/13	60 - 90	867.36	866.96	18.80	848.16	Lower Lone Rock

Footnotes on Page 16.

Table 2-2. Groundwater Elevations 2004 -2013, Madison-Kipp Corporation, Madison, Wisconsin.

Well/ Boring	Date	Screen Interval (feet bls)	Ground Elevation (feet amsl)	Top of Casing Elevation (feet amsl)	Depth to Water (feet btoc)	Groundwater Elevation (feet amsl)	Lithology
MW-20D	07/15/13	60 - 90	867.36	866.96	16.15	850.81	Lower Lone Rock
MW-20D	10/03/13	60 - 90	867.36	866.96	18.61	848.35	Lower Lone Rock
MW-20D2	11/30/12	110 - 140	867.36	867.04	23.32	843.72	Upper Wonewoc
MW-20D2	01/14/13	110 - 140	867.36	867.04	23.42	843.62	Upper Wonewoc
MW-20D2	04/15/13	110 - 140	867.36	867.04	20.58	846.46	Upper Wonewoc
MW-20D2	07/15/13	110 - 140	867.36	867.04	20.88	846.16	Upper Wonewoc
MW-20D2	10/03/13	110 - 140	867.36	867.04	21.61	845.43	Upper Wonewoc
MW-21D	11/30/12	60 - 90	867.77	867.49	22.56	844.93	Lower Lone Rock
MW-21D	01/14/13	60 - 90	867.77	867.49	22.60	844.89	Lower Lone Rock
MW-21D	04/15/13	60 - 90	867.77	867.49	19.27	848.22	Lower Lone Rock
MW-21D	07/15/13	60 - 90	867.77	867.49	16.60	850.89	Lower Lone Rock
MW-21D	10/03/13	60 - 90	867.77	867.49	19.02	848.47	Lower Lone Rock
MW-21D2	11/30/12	110 - 170	867.77	867.46	23.85	843.61	Upper Wonewoc
MW-21D2	01/14/13	110 - 170	867.77	867.46	23.79	843.67	Upper Wonewoc
MW-21D2	04/15/13	110 - 170	867.77	867.46	21.05	846.41	Upper Wonewoc
MW-21D2	07/15/13	110 - 170	867.77	867.46	20.50	846.96	Upper Wonewoc
MW-21D2	10/03/13	110 - 170	867.77	867.46	22.12	845.34	Upper Wonewoc
MW-22S	01/14/13	25 - 35	874.45	874.12	29.47	844.65	Unconsolidated
MW-22S	04/15/13	25 - 35	874.45	874.12	26.64	847.48	Unconsolidated
MW-22S	07/15/13	25 - 35	874.45	874.12	22.65	851.47	Unconsolidated
MW-22S	10/03/13	25 - 35	874.45	874.12	25.11	849.01	Unconsolidated
MW-22D	01/14/13	45 - 50	874.45	874.15	29.39	844.76	Upper Lone Rock
MW-22D	04/15/13	45 - 50	874.45	874.15	26.49	847.66	Upper Lone Rock
MW-22D	07/15/13	45 - 50	874.45	874.15	22.55	851.60	Upper Lone Rock
MW-22D	10/03/13	45 - 50	874.45	874.15	23.35	850.80	Upper Lone Rock
MW-23S	01/14/13	25 - 35	874.55	874.20	29.24	844.96	Unconsolidated
MW-23S	04/15/13	25 - 35	874.55	874.20	26.68	847.52	Unconsolidated
MW-23S	07/15/13	25 - 35	874.55	874.20	22.05	852.15	Unconsolidated
MW-23S	10/03/13	25 - 35	874.55	874.20	24.48	849.72	Unconsolidated
MW-23D	01/14/13	45 - 50	874.55	874.27	29.45	844.82	Upper Lone Rock
MW-23D	04/15/13	45 - 50	874.55	874.27	26.62	847.65	Upper Lone Rock
MW-23D	07/15/13	45 - 50	874.55	874.27	22.56	851.71	Upper Lone Rock
MW-23D	10/03/13	45 - 50	874.55	874.27	25.30	848.97	Upper Lone Rock
MW-24	04/29/13	30-40	876.66	876.41	29.36	847.05	Upper Lone Rock
MW-24	07/15/13	30-40	876.66	876.41	24.71	851.70	Upper Lone Rock
MW-24	10/03/13	30-40	876.66	876.41	27.39	849.02	Upper Lone Rock
MW-25D	05/06/13	120-130	886.97	886.69	41.55	845.14	Upper Wonewoc
MW-25D	07/15/13	120-130	886.97	886.69	41.07	845.62	Upper Wonewoc
MW-25D	10/03/13	120-130	886.97	886.69	42.78	843.91	Upper Wonewoc

Footnotes on Page 16.

Table 2-2. Groundwater Elevations 2004 -2013, Madison-Kipp Corporation, Madison, Wisconsin.

Well/ Boring	Date	Screen Interval (feet bls)	Ground Elevation (feet amsl)	Top of Casing Elevation (feet amsl)	Depth to Water (feet btoc)	Groundwater Elevation (feet amsl)	Lithology
MW-25D2	05/06/13	160-170	886.97	886.68	41.65	845.03	Upper Wonewoc
MW-25D2	07/15/13	160-170	886.97	886.68	41.43	845.25	Upper Wonewoc
MW-25D2	10/03/13	160-170	886.97	886.68	43.08	843.60	Upper Wonewoc
MW-26S	10/03/13	6.8-16.8	857.51	856.61	7.15	849.46	Unconsolidated
MW-27D	12/26/13	130-140	862.96	862.65	17.25	845.40	Lower Wonewoc
MW-27D2	12/26/13	170-180	862.96	862.59	17.18	845.41	Lower Wonewoc
IW-1S	11/30/12	16 - 26	867.82	867.62	22.16	845.46	Unconsolidated
IW-1S	04/15/13	16 - 26	867.82	867.62	19.11	848.51	Unconsolidated
IW-1S	07/15/13	16 - 26	867.82	867.62	15.05	852.57	Unconsolidated
IW-2D	11/30/12	60 - 90	867.57	866.61	21.61	845.00	Lower Lone Rock
IW-2D	11/30/12	60 - 90	867.57	866.61	21.61	845.00	Lower Lone Rock
IW-2D	07/15/13	60 - 90	867.57	866.61	17.65	848.96	Lower Lone Rock
IW-2D2	11/30/12	110 - 140	867.57	866.57	22.77	843.80	Upper Wonewoc
IW-2D2	04/15/13	110 - 140	867.57	866.57	20.05	846.52	Upper Wonewoc
IW-2D2	07/15/13	110 - 140	867.57	866.57	16.68	849.89	Upper Wonewoc

amsl Above mean sea level.
bls Below land surface.
btoc Below top of casing.

Table 3-1. Vertical Gradients 2004-2013, Madison-Kipp Corporation, Madison, Wisconsin.

Well ID	Date	Groundwater Elevation (feet amsl)	Screen Interval (feet bls)	Midpoint of Screen (feet amsl)	Vertical Gradient	Direction	Formation
MW-2S	05/01/04	843.15	19 - 29	831.84	-0.007	up	Unconsolidated
MW-2D	05/01/04	843.23	39 - 44	819.56			Upper Lone Rock
MW-2S	07/01/04	847.71	19 - 29	831.84	0.029	down	Unconsolidated
MW-2D	07/01/04	847.36	39 - 44	819.56			Upper Lone Rock
MW-2S	10/01/04	846.33	19 - 29	831.84	0.036	down	Unconsolidated
MW-2D	10/01/04	845.89	39 - 44	819.56			Upper Lone Rock
MW-2S	01/01/05	845.75	19 - 29	831.84	0.011	down	Unconsolidated
MW-2D	01/01/05	845.62	39 - 44	819.56			Upper Lone Rock
MW-2S	03/01/05	845.70	19 - 29	831.84	0.007	down	Unconsolidated
MW-2D	03/01/05	845.62	39 - 44	819.56			Upper Lone Rock
MW-2S	07/01/05	844.56	19 - 29	831.84	0.037	down	Unconsolidated
MW-2D	07/01/05	844.11	39 - 44	819.56			Upper Lone Rock
MW-2S	09/01/05	842.92	19 - 29	831.84	0.023	down	Unconsolidated
MW-2D	09/01/05	842.64	39 - 44	819.56			Upper Lone Rock
MW-2S	12/01/05	842.04	19 - 29	831.84	0.007	down	Unconsolidated
MW-2D	12/01/05	841.95	39 - 44	819.56			Upper Lone Rock
MW-2S	03/01/06	842.28	19 - 29	831.84	-0.011	up	Unconsolidated
MW-2D	03/01/06	842.41	39 - 44	819.56			Upper Lone Rock
MW-2S	07/01/06	845.13	19 - 29	831.84	0.018	down	Unconsolidated
MW-2D	07/01/06	844.91	39 - 44	819.56			Upper Lone Rock
MW-2S	10/01/06	845.79	19 - 29	831.84	0.016	down	Unconsolidated
MW-2D	10/01/06	845.59	39 - 44	819.56			Upper Lone Rock
MW-2S	12/01/06	846.19	19 - 29	831.84	0.012	down	Unconsolidated
MW-2D	12/01/06	846.04	39 - 44	819.56			Upper Lone Rock
MW-2S	03/01/07	846.27	19 - 29	831.84	0.009	down	Unconsolidated
MW-2D	03/01/07	846.16	39 - 44	819.56			Upper Lone Rock
MW-2S	08/01/07	846.43	19 - 29	831.84	0.029	down	Unconsolidated
MW-2D	08/01/07	846.07	39 - 44	819.56			Upper Lone Rock
MW-2S	09/01/07	848.51	19 - 29	831.84	0.016	down	Unconsolidated
MW-2D	09/01/07	848.31	39 - 44	819.56			Upper Lone Rock
MW-2S	03/01/08	849.25	19 - 29	831.84	0.011	down	Unconsolidated
MW-2D	03/01/08	849.12	39 - 44	819.56			Upper Lone Rock
MW-2S	06/01/08	854.53	19 - 29	831.84	0.048	down	Unconsolidated
MW-2D	06/01/08	853.94	39 - 44	819.56			Upper Lone Rock
MW-2S	09/01/08	850.33	19 - 29	831.84	0.050	down	Unconsolidated
MW-2D	09/01/08	849.71	39 - 44	819.56			Upper Lone Rock
MW-2S	04/01/09	849.74	19 - 29	831.84	0.020	down	Unconsolidated
MW-2D	04/01/09	849.49	39 - 44	819.56			Upper Lone Rock
MW-2S	06/01/09	851.04	19 - 29	831.84	0.039	down	Unconsolidated
MW-2D	06/01/09	850.56	39 - 44	819.56			Upper Lone Rock
MW-2S	09/01/09	848.31	19 - 29	831.84	0.045	down	Unconsolidated
MW-2D	09/01/09	847.76	39 - 44	819.56			Upper Lone Rock
MW-2S	12/01/09	848.31	19 - 29	831.84	0.013	down	Unconsolidated
MW-2D	12/01/09	848.15	39 - 44	819.56			Upper Lone Rock
MW-2S	07/01/10	850.44	19 - 29	831.84	0.029	down	Unconsolidated
MW-2D	07/01/10	850.08	39 - 44	819.56			Upper Lone Rock
MW-2S	10/01/10	850.37	19 - 29	831.84	0.036	down	Unconsolidated
MW-2D	10/01/10	849.93	39 - 44	819.56			Upper Lone Rock
MW-2S	12/01/10	848.74	19 - 29	831.84	0.027	down	Unconsolidated
MW-2D	12/01/10	848.41	39 - 44	819.56			Upper Lone Rock

Footnotes on Page 16.

Table 3-1. Vertical Gradients 2004-2013, Madison-Kipp Corporation, Madison, Wisconsin.

Well ID	Date	Groundwater Elevation (feet amsl)	Screen Interval (feet bls)	Midpoint of Screen (feet amsl)	Vertical Gradient	Direction	Formation
MW-2S	04/09/12	846.83	19 - 29	831.84	0.005	down	Unconsolidated
MW-2D	04/09/12	846.77	39 - 44	819.56			Upper Lone Rock
MW-2S	07/23/12	845.93	19 - 29	831.84	0.032	down	Unconsolidated
MW-2D	07/23/12	845.54	39 - 44	819.56			Upper Lone Rock
MW-2S	11/30/12	845.14	19 - 29	831.84	0.004	down	Unconsolidated
MW-2D	11/30/12	845.09	39 - 44	819.56			Upper Lone Rock
MW-2S	01/14/13	844.94	19 - 29	831.84	0.002	down	Unconsolidated
MW-2D	01/14/13	844.91	39 - 44	819.56			Upper Lone Rock
MW-2S	04/15/13	847.78	19 - 29	831.84	-0.027	up	Unconsolidated
MW-2D	04/15/13	848.11	39 - 44	819.56			Upper Lone Rock
MW-2S	07/15/13	852.49	19 - 29	831.84	0.050	down	Unconsolidated
MW-2D	07/15/13	851.88	39 - 44	819.56			Upper Lone Rock
MW-2S	10/03/13	849.64	19 - 29	831.84	0.044	down	Unconsolidated
MW-2D	10/03/13	849.10	39 - 44	819.56			Upper Lone Rock
				Average	**0.021**	**down**	
MW-3S	05/01/04	843.87	19 - 29	834.08	0.012	down	Unconsolidated
MW-3D	05/01/04	843.61	48 - 53	812.07			Upper Lone Rock
MW-3S	07/01/04	848.06	19 - 29	834.08	0.029	down	Unconsolidated
MW-3D	07/01/04	847.43	48 - 53	812.07			Upper Lone Rock
MW-3S	10/01/04	846.58	19 - 29	834.08	0.030	down	Unconsolidated
MW-3D	10/01/04	845.93	48 - 53	812.07			Upper Lone Rock
MW-3S	01/01/05	846.05	19 - 29	834.08	0.022	down	Unconsolidated
MW-3D	01/01/05	845.57	48 - 53	812.07			Upper Lone Rock
MW-3S	03/01/05	846.02	19 - 29	834.08	0.010	down	Unconsolidated
MW-3D	03/01/05	845.80	48 - 53	812.07			Upper Lone Rock
MW-3S	07/01/05	844.78	19 - 29	834.08	0.025	down	Unconsolidated
MW-3D	07/01/05	844.24	48 - 53	812.07			Upper Lone Rock
MW-3S	09/01/05	843.29	19 - 29	834.08	0.020	down	Unconsolidated
MW-3D	09/01/05	842.86	48 - 53	812.07			Upper Lone Rock
MW-3S	12/01/05	842.49	19 - 29	834.08	0.018	down	Unconsolidated
MW-3D	12/01/05	842.10	48 - 53	812.07			Upper Lone Rock
MW-3S	03/01/06	842.77	19 - 29	834.08	0.004	down	Unconsolidated
MW-3D	03/01/06	842.69	48 - 53	812.07			Upper Lone Rock
MW-3S	07/01/06	845.54	19 - 29	834.08	0.018	down	Unconsolidated
MW-3D	07/01/06	845.14	48 - 53	812.07			Upper Lone Rock
MW-3S	10/01/06	846.16	19 - 29	834.08	0.031	down	Unconsolidated
MW-3D	10/01/06	845.47	48 - 53	812.07			Upper Lone Rock
MW-3S	12/01/06	846.37	19 - 29	834.08	0.014	down	Unconsolidated
MW-3D	12/01/06	846.07	48 - 53	812.07			Upper Lone Rock
MW-3S	03/01/07	846.43	19 - 29	834.08	0.002	down	Unconsolidated
MW-3D	03/01/07	846.39	48 - 53	812.07			Upper Lone Rock
MW-3S	05/01/07	848.32	19 - 29	834.08	0.008	down	Unconsolidated
MW-3D	05/01/07	848.14	48 - 53	812.07			Upper Lone Rock
MW-3S	08/01/07	846.60	19 - 29	834.08	0.021	down	Unconsolidated
MW-3D	08/01/07	846.14	48 - 53	812.07			Upper Lone Rock
MW-3S	09/01/07	848.72	19 - 29	834.08	0.024	down	Unconsolidated
MW-3D	09/01/07	848.20	48 - 53	812.07			Upper Lone Rock
MW-3S	12/01/07	846.81	19 - 29	834.08	0.035	down	Unconsolidated
MW-3D	12/01/07	846.03	48 - 53	812.07			Upper Lone Rock

Footnotes on Page 16.

Table 3-1. Vertical Gradients 2004-2013, Madison-Kipp Corporation, Madison, Wisconsin.

Well ID	Date	Groundwater Elevation (feet amsl)	Screen Interval (feet bls)	Midpoint of Screen (feet amsl)	Vertical Gradient	Direction	Formation
MW-3S	03/01/08	849.35	19 - 29	834.08	0.005	down	Unconsolidated
MW-3D	03/01/08	849.24	48 - 53	812.07			Upper Lone Rock
MW-3S	06/01/08	853.83	19 - 29	834.08	0.012	down	Unconsolidated
MW-3D	06/01/08	853.57	48 - 53	812.07			Upper Lone Rock
MW-3S	09/01/08	850.43	19 - 29	834.08	0.049	down	Unconsolidated
MW-3D	09/01/08	849.36	48 - 53	812.07			Upper Lone Rock
MW-3S	12/01/08	848.18	19 - 29	834.08	0.019	down	Unconsolidated
MW-3D	12/01/08	847.77	48 - 53	812.07			Upper Lone Rock
MW-3S	04/01/09	849.88	19 - 29	834.08	0.007	down	Unconsolidated
MW-3D	04/01/09	849.73	48 - 53	812.07			Upper Lone Rock
MW-3S	06/01/09	851.06	19 - 29	834.08	0.042	down	Unconsolidated
MW-3D	06/01/09	850.14	48 - 53	812.07			Upper Lone Rock
MW-3S	09/01/09	848.46	19 - 29	834.08	0.037	down	Unconsolidated
MW-3D	09/01/09	847.64	48 - 53	812.07			Upper Lone Rock
MW-3S	12/01/09	848.29	19 - 29	834.08	0.006	down	Unconsolidated
MW-3D	12/01/09	848.15	48 - 53	812.07			Upper Lone Rock
MW-3S	07/01/10	850.45	19 - 29	834.08	0.016	down	Unconsolidated
MW-3D	07/01/10	850.09	48 - 53	812.07			Upper Lone Rock
MW-3S	10/01/10	850.50	19 - 29	834.08	0.034	down	Unconsolidated
MW-3D	10/01/10	849.75	48 - 53	812.07			Upper Lone Rock
MW-3S	04/09/12	847.10	19 - 29	834.08	0.010	down	Unconsolidated
MW-3D	04/09/12	846.87	48 - 53	812.07			Upper Lone Rock
MW-3S	07/23/12	846.02	19 - 29	834.08	0.026	down	Unconsolidated
MW-3D	07/23/12	845.45	48 - 53	812.07			Upper Lone Rock
MW-3S	11/30/12	845.26	19 - 29	834.08	0.013	down	Unconsolidated
MW-3D	11/30/12	844.98	48 - 53	812.07			Upper Lone Rock
MW-3S	01/14/13	845.13	19 - 29	834.08	0.007	down	Unconsolidated
MW-3D	01/14/13	844.97	48 - 53	812.07			Upper Lone Rock
MW-3S	04/15/13	848.31	19 - 29	834.08	-0.002	up	Unconsolidated
MW-3D	04/15/13	848.35	48 - 53	812.07			Upper Lone Rock
MW-3S	07/15/13	852.31	19 - 29	834.08	0.048	down	Unconsolidated
MW-3D	07/15/13	851.25	48 - 53	812.07			Upper Lone Rock
MW-3S	10/03/13	849.63	19 - 29	834.08	0.045	down	Unconsolidated
MW-3D	10/03/13	848.64	48 - 53	812.07			Upper Lone Rock
				Average	**0.020**	**down**	
MW-3D	05/01/04	843.61	48 - 53	812.07	0.032	down	Upper Lone Rock
MW-3D2	05/01/04	842.74	76 - 81	785.08			Lower Lone Rock
MW-3D	07/01/04	847.43	48 - 53	812.07	0.040	down	Upper Lone Rock
MW-3D2	07/01/04	846.36	76 - 81	785.08			Lower Lone Rock
MW-3D	10/01/04	845.93	48 - 53	812.07	0.036	down	Upper Lone Rock
MW-3D2	10/01/04	844.96	76 - 81	785.08			Lower Lone Rock
MW-3D	01/01/05	845.57	48 - 53	812.07	0.028	down	Upper Lone Rock
MW-3D2	01/01/05	844.82	76 - 81	785.08			Lower Lone Rock
MW-3D	03/01/05	845.80	48 - 53	812.07	0.029	down	Upper Lone Rock
MW-3D2	03/01/05	845.02	76 - 81	785.08			Lower Lone Rock
MW-3D	07/01/05	844.24	48 - 53	812.07	0.036	down	Upper Lone Rock
MW-3D2	07/01/05	843.28	76 - 81	785.08			Lower Lone Rock
MW-3D	09/01/05	842.86	48 - 53	812.07	0.029	down	Upper Lone Rock
MW-3D2	09/01/05	842.08	76 - 81	785.08			Lower Lone Rock

Footnotes on Page 16.

Table 3-1. Vertical Gradients 2004-2013, Madison-Kipp Corporation, Madison, Wisconsin.

Well ID	Date	Groundwater Elevation (feet amsl)	Screen Interval (feet bls)	Midpoint of Screen (feet amsl)	Vertical Gradient	Direction	Formation
MW-3D	12/01/05	842.10	48 - 53	812.07	0.020	down	Upper Lone Rock
MW-3D2	12/01/05	841.55	76 - 81	785.08			Lower Lone Rock
MW-3D	03/01/06	842.69	48 - 53	812.07	0.018	down	Upper Lone Rock
MW-3D2	03/01/06	842.20	76 - 81	785.08			Lower Lone Rock
MW-3D	07/01/06	845.14	48 - 53	812.07	0.031	down	Upper Lone Rock
MW-3D2	07/01/06	844.29	76 - 81	785.08			Lower Lone Rock
MW-3D	10/01/06	845.47	48 - 53	812.07	0.064	down	Upper Lone Rock
MW-3D2	10/01/06	843.73	76 - 81	785.08			Lower Lone Rock
MW-3D	12/01/06	846.07	48 - 53	812.07	0.020	down	Upper Lone Rock
MW-3D2	12/01/06	845.52	76 - 81	785.08			Lower Lone Rock
MW-3D	03/01/07	846.39	48 - 53	812.07	0.027	down	Upper Lone Rock
MW-3D2	03/01/07	845.66	76 - 81	785.08			Lower Lone Rock
MW-3D	05/01/07	848.14	48 - 53	812.07	0.033	down	Upper Lone Rock
MW-3D2	05/01/07	847.24	76 - 81	785.08			Lower Lone Rock
MW-3D	08/01/07	846.14	48 - 53	812.07	0.031	down	Upper Lone Rock
MW-3D2	08/01/07	845.29	76 - 81	785.08			Lower Lone Rock
MW-3D	09/01/07	848.20	48 - 53	812.07	0.031	down	Upper Lone Rock
MW-3D2	09/01/07	847.35	76 - 81	785.08			Lower Lone Rock
MW-3D	12/01/07	846.03	48 - 53	812.07	-0.037	up	Upper Lone Rock
MW-3D2	12/01/07	847.02	76 - 81	785.08			Lower Lone Rock
MW-3D	03/01/08	849.24	48 - 53	812.07	0.030	down	Upper Lone Rock
MW-3D2	03/01/08	848.44	76 - 81	785.08			Lower Lone Rock
MW-3D	06/01/08	853.57	48 - 53	812.07	0.040	down	Upper Lone Rock
MW-3D2	06/01/08	852.49	76 - 81	785.08			Lower Lone Rock
MW-3D	09/01/08	849.36	48 - 53	812.07	0.034	down	Upper Lone Rock
MW-3D2	09/01/08	848.43	76 - 81	785.08			Lower Lone Rock
MW-3D	12/01/08	847.77	48 - 53	812.07	0.030	down	Upper Lone Rock
MW-3D2	12/01/08	846.96	76 - 81	785.08			Lower Lone Rock
MW-3D	04/01/09	849.73	48 - 53	812.07	0.039	down	Upper Lone Rock
MW-3D2	04/01/09	848.69	76 - 81	785.08			Lower Lone Rock
MW-3D	06/01/09	850.14	48 - 53	812.07	0.030	down	Upper Lone Rock
MW-3D2	06/01/09	849.34	76 - 81	785.08			Lower Lone Rock
MW-3D	09/01/09	847.64	48 - 53	812.07	0.031	down	Upper Lone Rock
MW-3D2	09/01/09	846.79	76 - 81	785.08			Lower Lone Rock
MW-3D	12/01/09	848.15	48 - 53	812.07	0.023	down	Upper Lone Rock
MW-3D2	12/01/09	847.53	76 - 81	785.08			Lower Lone Rock
MW-3D	07/01/10	850.09	48 - 53	812.07	0.039	down	Upper Lone Rock
MW-3D2	07/01/10	849.05	76 - 81	785.08			Lower Lone Rock
MW-3D	10/01/10	849.75	48 - 53	812.07	0.036	down	Upper Lone Rock
MW-3D2	10/01/10	848.78	76 - 81	785.08			Lower Lone Rock
MW-3D	04/09/12	846.87	48 - 53	812.07	0.392	down	Upper Lone Rock
MW-3D2	04/09/12	836.30	76 - 81	785.08			Lower Lone Rock
MW-3D	07/23/12	845.45	48 - 53	812.07	0.029	down	Upper Lone Rock
MW-3D2	07/23/12	844.68	76 - 81	785.08			Lower Lone Rock
MW-3D	11/30/12	844.98	48 - 53	812.07	0.009	down	Upper Lone Rock
MW-3D2	11/30/12	844.75	76 - 81	785.08			Lower Lone Rock
MW-3D	01/14/13	844.97	48 - 53	812.07	0.010	down	Upper Lone Rock
MW-3D2	01/14/13	844.69	76 - 81	785.08			Lower Lone Rock
MW-3D	04/15/13	848.35	48 - 53	812.07	0.012	down	Upper Lone Rock
MW-3D2	04/15/13	848.03	76 - 81	785.08			Lower Lone Rock

Footnotes on Page 16.

Table 3-1. Vertical Gradients 2004-2013, Madison-Kipp Corporation, Madison, Wisconsin.

Well ID	Date	Groundwater Elevation (feet amsl)	Screen Interval (feet bls)	Midpoint of Screen (feet amsl)	Vertical Gradient	Direction	Formation
MW-3D	07/15/13	851.25	48 - 53	812.07	0.024	down	Upper Lone Rock
MW-3D2	07/15/13	850.60	76 - 81	785.08			Lower Lone Rock
MW-3D	10/03/13	848.64	48 - 53	812.07	0.017	down	Upper Lone Rock
MW-3D2	10/03/13	848.17	76 - 81	785.08			Lower Lone Rock
				Average	**0.038**	**down**	
MW-3D2	07/23/12	844.68	76 - 81	785.08	0.019	down	Lower Lone Rock
MW-3D3	07/23/12	841.97	214 - 224	638.80			Lower Wonewoc/Upper Eau Claire
MW-3D2	11/30/12	844.75	76 - 81	785.08	0.008	down	Lower Lone Rock
MW-3D3	11/30/12	843.51	214 - 224	638.80			Wonewoc/Eau Claire
MW-3D2	01/14/13	844.69	76 - 81	785.08	0.008	down	Lower Lone Rock
MW-3D3	01/14/13	843.50	214 - 224	638.80			Lower Wonewoc/Upper Eau Claire
MW-3D2	04/15/13	848.03	76 - 81	785.08	0.012	down	Lower Lone Rock
MW-3D3	04/15/13	846.22	214 - 224	638.80			Lower Wonewoc/Upper Eau Claire
MW-3D2	07/15/13	850.60	76 - 81	785.08	0.026	down	Lower Lone Rock
MW-3D3	07/15/13	846.75	214 - 224	638.80			Lower Wonewoc/Upper Eau Claire
MW-3D2	10/03/13	848.17	76 - 81	785.08	0.015	down	Lower Lone Rock
MW-3D3	10/03/13	845.91	214 - 224	638.80			Lower Wonewoc/Upper Eau Claire
				Average	**0.015**	**down**	
MW-4S	05/01/04	843.17	35 - 50	823.36	0.039	down	Unconsolidated/Upper Lone Rock
MW-4D	05/01/04	842.57	65 - 70	807.81			Lower Lone Rock
MW-4S	07/01/04	847.71	35 - 50	823.36	0.068	down	Unconsolidated/Upper Lone Rock
MW-4D	07/01/04	846.66	65 - 70	807.81			Lower Lone Rock
MW-4S	10/01/04	846.84	35 - 50	823.36	0.100	down	Unconsolidated/Upper Lone Rock
MW-4D	10/01/04	845.28	65 - 70	807.81			Lower Lone Rock
MW-4S	01/01/05	846.21	35 - 50	823.36	0.086	down	Unconsolidated/Upper Lone Rock
MW-4D	01/01/05	844.88	65 - 70	807.81			Lower Lone Rock
MW-4S	03/01/05	845.85	35 - 50	823.36	0.057	down	Unconsolidated/Upper Lone Rock
MW-4D	03/01/05	844.96	65 - 70	807.81			Lower Lone Rock
MW-4S	09/01/05	843.46	35 - 50	823.36	0.087	down	Unconsolidated/Upper Lone Rock
MW-4D	09/01/05	842.10	65 - 70	807.81			Lower Lone Rock
MW-4S	12/01/05	842.56	35 - 50	823.36	0.076	down	Unconsolidated/Upper Lone Rock
MW-4D	12/01/05	841.38	65 - 70	807.81			Lower Lone Rock
MW-4S	03/01/06	842.38	35 - 50	823.36	0.042	down	Unconsolidated/Upper Lone Rock
MW-4D	03/01/06	841.72	65 - 70	807.81			Lower Lone Rock
MW-4S	07/01/06	845.21	35 - 50	823.36	0.074	down	Unconsolidated/Upper Lone Rock
MW-4D	07/01/06	844.06	65 - 70	807.81			Lower Lone Rock
MW-4S	10/01/06	846.14	35 - 50	823.36	0.086	down	Unconsolidated/Upper Lone Rock
MW-4D	10/01/06	844.80	65 - 70	807.81			Lower Lone Rock
MW-4S	12/01/06	846.45	35 - 50	823.36	0.066	down	Unconsolidated/Upper Lone Rock
MW-4D	12/01/06	845.42	65 - 70	807.81			Lower Lone Rock
MW-4S	03/01/07	846.59	35 - 50	823.36	0.075	down	Unconsolidated/Upper Lone Rock
MW-4D	03/01/07	845.43	65 - 70	807.81			Lower Lone Rock
MW-4S	08/01/07	847.33	35 - 50	823.36	0.127	down	Unconsolidated/Upper Lone Rock
MW-4D	08/01/07	845.35	65 - 70	807.81			Lower Lone Rock
MW-4S	09/01/07	849.23	35 - 50	823.36	0.100	down	Unconsolidated/Upper Lone Rock
MW-4D	09/01/07	847.68	65 - 70	807.81			Lower Lone Rock
MW-4S	12/01/07	848.45	35 - 50	823.36	0.135	down	Unconsolidated/Upper Lone Rock
MW-4D	12/01/07	846.35	65 - 70	807.81			Lower Lone Rock

Footnotes on Page 16.

Table 3-1. Vertical Gradients 2004-2013, Madison-Kipp Corporation, Madison, Wisconsin.

Well ID	Date	Groundwater Elevation (feet amsl)	Screen Interval (feet bls)	Midpoint of Screen (feet amsl)	Vertical Gradient	Direction	Formation
MW-4S	03/01/08	849.43	35 - 50	823.36	0.084	down	Unconsolidated/Upper Lone Rock
MW-4D	03/01/08	848.12	65 - 70	807.81			Lower Lone Rock
MW-4S	06/01/08	854.80	35 - 50	823.36	0.095	down	Unconsolidated/Upper Lone Rock
MW-4D	06/01/08	853.33	65 - 70	807.81			Lower Lone Rock
MW-4S	09/01/08	851.88	35 - 50	823.36	0.175	down	Unconsolidated/Upper Lone Rock
MW-4D	09/01/08	849.16	65 - 70	807.81			Lower Lone Rock
MW-4S	12/01/08	849.37	35 - 50	823.36	0.130	down	Unconsolidated/Upper Lone Rock
MW-4D	12/01/08	847.35	65 - 70	807.81			Lower Lone Rock
MW-4S	04/01/09	848.87	35 - 50	823.36	-0.046	up	Unconsolidated/Upper Lone Rock
MW-4D	04/01/09	849.59	65 - 70	807.81			Lower Lone Rock
MW-4S	06/01/09	851.59	35 - 50	823.36	0.113	down	Unconsolidated/Upper Lone Rock
MW-4D	06/01/09	849.83	65 - 70	807.81			Lower Lone Rock
MW-4S	07/01/10	850.61	35 - 50	823.36	0.081	down	Unconsolidated/Upper Lone Rock
MW-4D	07/01/10	849.35	65 - 70	807.81			Lower Lone Rock
MW-4S	10/01/10	851.32	35 - 50	823.36	0.122	down	Unconsolidated/Upper Lone Rock
MW-4D	10/01/10	849.42	65 - 70	807.81			Lower Lone Rock
MW-4S	12/01/10	849.45	35 - 50	823.36	0.098	down	Unconsolidated/Upper Lone Rock
MW-4D	12/01/10	847.92	65 - 70	807.81			Lower Lone Rock
MW-4S	04/09/12	847.10	35 - 50	823.36	0.063	down	Unconsolidated/Upper Lone Rock
MW-4D	04/09/12	846.12	65 - 70	807.81			Lower Lone Rock
MW-4S	07/23/12	846.42	35 - 50	823.36	0.099	down	Unconsolidated/Upper Lone Rock
MW-4D	07/23/12	844.88	65 - 70	807.81			Lower Lone Rock
MW-4S	11/30/12	845.74	35 - 50	823.36	0.061	down	Unconsolidated/Upper Lone Rock
MW-4D	11/30/12	844.79	65 - 70	807.81			Lower Lone Rock
MW-4S	01/14/13	845.42	35 - 50	823.36	0.059	down	Unconsolidated/Upper Lone Rock
MW-4D	01/14/13	844.51	65 - 70	807.81			Lower Lone Rock
MW-4S	04/15/13	847.84	35 - 50	823.36	0.029	down	Unconsolidated/Upper Lone Rock
MW-4D	04/15/13	847.39	65 - 70	807.81			Lower Lone Rock
MW-4S	07/15/13	852.86	35 - 50	823.36	0.100	down	Unconsolidated/Upper Lone Rock
MW-4D	07/15/13	851.30	65 - 70	807.81			Lower Lone Rock
MW-4S	10/03/13	850.81	35 - 50	823.36	0.143	down	Unconsolidated/Upper Lone Rock
MW-4D	10/03/13	848.59	65 - 70	807.81			Lower Lone Rock
				Average	**0.085**	**down**	
MW-4D	05/01/04	842.57	65 - 70	807.81	-0.002	up	Lower Lone Rock
MW-4D2	05/01/04	842.63	91 - 96	781.87			Lower Lone Rock
MW-4D	07/01/04	846.66	65 - 70	807.81	0.020	down	Lower Lone Rock
MW-4D2	07/01/04	846.14	91 - 96	781.87			Lower Lone Rock
MW-4D	10/01/04	845.28	65 - 70	807.81	0.020	down	Lower Lone Rock
MW-4D2	10/01/04	844.77	91 - 96	781.87			Lower Lone Rock
MW-4D	01/01/05	844.88	65 - 70	807.81	0.014	down	Lower Lone Rock
MW-4D2	01/01/05	844.52	91 - 96	781.87			Lower Lone Rock
MW-4D	03/01/05	844.96	65 - 70	807.81	0.012	down	Lower Lone Rock
MW-4D2	03/01/05	844.64	91 - 96	781.87			Lower Lone Rock
MW-4D	09/01/05	842.10	65 - 70	807.81	0.017	down	Lower Lone Rock
MW-4D2	09/01/05	841.67	91 - 96	781.87			Lower Lone Rock
MW-4D	12/01/05	841.38	65 - 70	807.81	0.009	down	Lower Lone Rock
MW-4D2	12/01/05	841.15	91 - 96	781.87			Lower Lone Rock
MW-4D	03/01/06	841.72	65 - 70	807.81	0.005	down	Lower Lone Rock
MW-4D2	03/01/06	841.58	91 - 96	781.87			Lower Lone Rock

Footnotes on Page 16.

Table 3-1. Vertical Gradients 2004-2013, Madison-Kipp Corporation, Madison, Wisconsin.

Well ID	Date	Groundwater Elevation (feet amsl)	Screen Interval (feet bls)	Midpoint of Screen (feet amsl)	Vertical Gradient	Direction	Formation
MW-4D	07/01/06	844.06	65 - 70	807.81	0.023	down	Lower Lone Rock
MW-4D2	07/01/06	843.47	91 - 96	781.87			Lower Lone Rock
MW-4D	10/01/06	844.80	65 - 70	807.81	0.016	down	Lower Lone Rock
MW-4D2	10/01/06	844.39	91 - 96	781.87			Lower Lone Rock
MW-4D	12/01/06	845.42	65 - 70	807.81	0.010	down	Lower Lone Rock
MW-4D2	12/01/06	845.15	91 - 96	781.87			Lower Lone Rock
MW-4D	03/01/07	845.43	65 - 70	807.81	0.017	down	Lower Lone Rock
MW-4D2	03/01/07	844.99	91 - 96	781.87			Lower Lone Rock
MW-4D	08/01/07	845.35	65 - 70	807.81	0.009	down	Lower Lone Rock
MW-4D2	08/01/07	845.11	91 - 96	781.87			Lower Lone Rock
MW-4D	09/01/07	847.68	65 - 70	807.81	0.018	down	Lower Lone Rock
MW-4D2	09/01/07	847.22	91 - 96	781.87			Lower Lone Rock
MW-4D	12/01/07	846.35	65 - 70	807.81	-0.003	up	Lower Lone Rock
MW-4D2	12/01/07	846.44	91 - 96	781.87			Lower Lone Rock
MW-4D	03/01/08	848.12	65 - 70	807.81	0.020	down	Lower Lone Rock
MW-4D2	03/01/08	847.60	91 - 96	781.87			Lower Lone Rock
MW-4D	06/01/08	853.33	65 - 70	807.81	0.048	down	Lower Lone Rock
MW-4D2	06/01/08	852.08	91 - 96	781.87			Lower Lone Rock
MW-4D	09/01/08	849.16	65 - 70	807.81	0.022	down	Lower Lone Rock
MW-4D2	09/01/08	848.59	91 - 96	781.87			Lower Lone Rock
MW-4D	12/01/08	847.35	65 - 70	807.81	0.013	down	Lower Lone Rock
MW-4D2	12/01/08	847.00	91 - 96	781.87			Lower Lone Rock
MW-4D	04/01/09	849.59	65 - 70	807.81	0.054	down	Lower Lone Rock
MW-4D2	04/01/09	848.19	91 - 96	781.87			Lower Lone Rock
MW-4D	06/01/09	849.83	65 - 70	807.81	0.020	down	Lower Lone Rock
MW-4D2	06/01/09	849.32	91 - 96	781.87			Lower Lone Rock
MW-4D	07/01/10	849.35	65 - 70	807.81	0.021	down	Lower Lone Rock
MW-4D2	07/01/10	848.81	91 - 96	781.87			Lower Lone Rock
MW-4D	10/01/10	849.42	65 - 70	807.81	0.019	down	Lower Lone Rock
MW-4D2	10/01/10	848.94	91 - 96	781.87			Lower Lone Rock
MW-4D	12/01/10	847.92	65 - 70	807.81	0.014	down	Lower Lone Rock
MW-4D2	12/01/10	847.55	91 - 96	781.87			Lower Lone Rock
MW-4D	04/09/12	846.12	65 - 70	807.81	-0.106	up	Lower Lone Rock
MW-4D2	04/09/12	848.87	91 - 96	781.87			Lower Lone Rock
MW-4D	07/23/12	844.88	65 - 70	807.81	0.017	down	Lower Lone Rock
MW-4D2	07/23/12	844.44	91 - 96	781.87			Lower Lone Rock
MW-4D	11/30/12	844.79	65 - 70	807.81	0.016	down	Lower Lone Rock
MW-4D2	11/30/12	844.38	91 - 96	781.87			Lower Lone Rock
MW-4D	01/14/13	844.51	65 - 70	807.81	0.009	down	Lower Lone Rock
MW-4D2	01/14/13	844.28	91 - 96	781.87			Lower Lone Rock
MW-4D	04/15/13	847.39	65 - 70	807.81	0.007	down	Lower Lone Rock
MW-4D2	04/15/13	847.21	91 - 96	781.87			Lower Lone Rock
MW-4D	07/15/13	851.30	65 - 70	807.81	0.021	down	Lower Lone Rock
MW-4D2	07/15/13	850.76	91 - 96	781.87			Lower Lone Rock
MW-4D	10/03/13	848.59	65 - 70	807.81	0.018	down	Lower Lone Rock
MW-4D2	10/03/13	848.12	91 - 96	781.87			Lower Lone Rock
				Average	**0.013**	**down**	
MW-5S	05/01/04	843.46	34 - 44	823.82	0.014	down	Upper Lone Rock
MW-5D	05/01/04	842.98	75 - 80	790.65			Lower Lone Rock

Footnotes on Page 16.

Table 3-1. Vertical Gradients 2004-2013, Madison-Kipp Corporation, Madison, Wisconsin.

Well ID	Date	Groundwater Elevation (feet amsl)	Screen Interval (feet bls)	Midpoint of Screen (feet amsl)	Vertical Gradient	Direction	Formation
MW-5S	07/01/04	847.46	34 - 44	823.82	0.017	down	Upper Lone Rock
MW-5D	07/01/04	846.89	75 - 80	790.65			Lower Lone Rock
MW-5S	10/01/04	845.80	34 - 44	823.82	0.011	down	Upper Lone Rock
MW-5D	10/01/04	845.43	75 - 80	790.65			Lower Lone Rock
MW-5S	01/01/05	845.48	34 - 44	823.82	0.013	down	Upper Lone Rock
MW-5D	01/01/05	845.05	75 - 80	790.65			Lower Lone Rock
MW-5S	03/01/05	845.52	34 - 44	823.82	0.010	down	Upper Lone Rock
MW-5D	03/01/05	845.19	75 - 80	790.65			Lower Lone Rock
MW-5S	07/01/05	844.01	34 - 44	823.82	0.012	down	Upper Lone Rock
MW-5D	07/01/05	843.62	75 - 80	790.65			Lower Lone Rock
MW-5S	09/01/05	842.60	34 - 44	823.82	0.010	down	Upper Lone Rock
MW-5D	09/01/05	842.26	75 - 80	790.65			Lower Lone Rock
MW-5S	12/01/05	842.00	34 - 44	823.82	0.008	down	Upper Lone Rock
MW-5D	12/01/05	841.72	75 - 80	790.65			Lower Lone Rock
MW-5S	03/01/06	842.35	34 - 44	823.82	0.005	down	Upper Lone Rock
MW-5D	03/01/06	842.19	75 - 80	790.65			Lower Lone Rock
MW-5S	07/01/06	844.82	34 - 44	823.82	0.011	down	Upper Lone Rock
MW-5D	07/01/06	844.47	75 - 80	790.65			Lower Lone Rock
MW-5S	10/01/06	845.42	34 - 44	823.82	0.011	down	Upper Lone Rock
MW-5D	10/01/06	845.04	75 - 80	790.65			Lower Lone Rock
MW-5S	12/01/06	845.93	34 - 44	823.82	0.009	down	Upper Lone Rock
MW-5D	12/01/06	845.62	75 - 80	790.65			Lower Lone Rock
MW-5S	03/01/07	846.10	34 - 44	823.82	0.014	down	Upper Lone Rock
MW-5D	03/01/07	845.65	75 - 80	790.65			Lower Lone Rock
MW-5S	08/01/07	845.74	34 - 44	823.82	0.007	down	Upper Lone Rock
MW-5D	08/01/07	845.50	75 - 80	790.65			Lower Lone Rock
MW-5S	09/01/07	848.05	34 - 44	823.82	0.013	down	Upper Lone Rock
MW-5D	09/01/07	847.63	75 - 80	790.65			Lower Lone Rock
MW-5S	12/01/07	846.59	34 - 44	823.82	0.005	down	Upper Lone Rock
MW-5D	12/01/07	846.42	75 - 80	790.65			Lower Lone Rock
MW-5S	03/01/08	848.84	34 - 44	823.82	0.011	down	Upper Lone Rock
MW-5D	03/01/08	848.49	75 - 80	790.65			Lower Lone Rock
MW-5S	06/01/08	854.16	34 - 44	823.82	0.030	down	Upper Lone Rock
MW-5D	06/01/08	853.17	75 - 80	790.65			Lower Lone Rock
MW-5S	09/01/08	853.32	34 - 44	823.82	0.130	down	Upper Lone Rock
MW-5D	09/01/08	849.02	75 - 80	790.65			Lower Lone Rock
MW-5S	12/01/08	847.69	34 - 44	823.82	0.013	down	Upper Lone Rock
MW-5D	12/01/08	847.25	75 - 80	790.65			Lower Lone Rock
MW-5S	04/01/09	849.71	34 - 44	823.82	0.024	down	Upper Lone Rock
MW-5D	04/01/09	848.93	75 - 80	790.65			Lower Lone Rock
MW-5S	06/01/09	850.49	34 - 44	823.82	0.021	down	Upper Lone Rock
MW-5D	06/01/09	849.81	75 - 80	790.65			Lower Lone Rock
MW-5S	09/01/09	850.33	34 - 44	823.82	0.103	down	Upper Lone Rock
MW-5D	09/01/09	846.90	75 - 80	790.65			Lower Lone Rock
MW-5S	12/01/09	848.04	34 - 44	823.82	0.015	down	Upper Lone Rock
MW-5D	12/01/09	847.55	75 - 80	790.65			Lower Lone Rock
MW-5S	07/01/10	849.84	34 - 44	823.82	0.016	down	Upper Lone Rock
MW-5D	07/01/10	849.31	75 - 80	790.65			Lower Lone Rock
MW-5S	10/01/10	850.53	34 - 44	823.82	0.040	down	Upper Lone Rock
MW-5D	10/01/10	849.19	75 - 80	790.65			Lower Lone Rock

Footnotes on Page 16.

Table 3-1. Vertical Gradients 2004-2013, Madison-Kipp Corporation, Madison, Wisconsin.

Well ID	Date	Groundwater Elevation (feet amsl)	Screen Interval (feet bls)	Midpoint of Screen (feet amsl)	Vertical Gradient	Direction	Formation
MW-5S	12/01/10	848.30	34 - 44	823.82	0.014	down	Upper Lone Rock
MW-5D	12/01/10	847.84	75 - 80	790.65			Lower Lone Rock
MW-5S	04/09/12	846.66	34 - 44	823.82	0.050	down	Upper Lone Rock
MW-5D	04/09/12	845.00	75 - 80	790.65			Lower Lone Rock
MW-5S	07/23/12	845.41	34 - 44	823.82	0.014	down	Upper Lone Rock
MW-5D	07/23/12	844.95	75 - 80	790.65			Lower Lone Rock
MW-5S	01/14/13	844.78	34 - 44	823.82	0.006	down	Upper Lone Rock
MW-5D	01/14/13	844.58	75 - 80	790.65			Lower Lone Rock
MW-5S	04/15/13	848.43	34 - 44	823.82	-0.008	up	Upper Lone Rock
MW-5D	04/15/13	848.69	75 - 80	790.65			Lower Lone Rock
MW-5S	07/15/13	852.04	34 - 44	823.82	0.024	down	Upper Lone Rock
MW-5D	07/15/13	851.25	75 - 80	790.65			Lower Lone Rock
MW-5S	10/03/13	849.07	34 - 44	823.82	0.019	down	Upper Lone Rock
MW-5D	10/03/13	848.45	75 - 80	790.65			Lower Lone Rock
				Average	**0.021**	**down**	
MW-5D	05/01/04	842.98	75 - 80	790.65	0.029	down	Lower Lone Rock
MW-5D2	05/01/04	840.33	165 - 170	700.00			Lower Wonewoc
MW-5D	07/01/04	846.89	75 - 80	790.65	0.045	down	Lower Lone Rock
MW-5D2	07/01/04	842.84	165 - 170	700.00			Lower Wonewoc
MW-5D	10/01/04	845.43	75 - 80	790.65	0.038	down	Lower Lone Rock
MW-5D2	10/01/04	841.94	165 - 170	700.00			Lower Wonewoc
MW-5D	01/01/05	845.05	75 - 80	790.65	0.027	down	Lower Lone Rock
MW-5D2	01/01/05	842.61	165 - 170	700.00			Lower Wonewoc
MW-5D	03/01/05	845.19	75 - 80	790.65	0.020	down	Lower Lone Rock
MW-5D2	03/01/05	843.36	165 - 170	700.00			Lower Wonewoc
MW-5D	07/01/05	843.62	75 - 80	790.65	0.033	down	Lower Lone Rock
MW-5D2	07/01/05	840.60	165 - 170	700.00			Lower Wonewoc
MW-5D	09/01/05	842.26	75 - 80	790.65	0.028	down	Lower Lone Rock
MW-5D2	09/01/05	839.68	165 - 170	700.00			Lower Wonewoc
MW-5D	12/01/05	841.72	75 - 80	790.65	0.024	down	Lower Lone Rock
MW-5D2	12/01/05	839.58	165 - 170	700.00			Lower Wonewoc
MW-5D	03/01/06	842.19	75 - 80	790.65	0.011	down	Lower Lone Rock
MW-5D2	03/01/06	841.22	165 - 170	700.00			Lower Wonewoc
MW-5D	07/01/06	844.47	75 - 80	790.65	0.032	down	Lower Lone Rock
MW-5D2	07/01/06	841.61	165 - 170	700.00			Lower Wonewoc
MW-5D	10/01/06	845.04	75 - 80	790.65	0.033	down	Lower Lone Rock
MW-5D2	10/01/06	842.04	165 - 170	700.00			Lower Wonewoc
MW-5D	12/01/06	845.62	75 - 80	790.65	0.023	down	Lower Lone Rock
MW-5D2	12/01/06	843.54	165 - 170	700.00			Lower Wonewoc
MW-5D	03/01/07	845.65	75 - 80	790.65	0.024	down	Lower Lone Rock
MW-5D2	03/01/07	843.51	165 - 170	700.00			Lower Wonewoc
MW-5D	08/01/07	845.50	75 - 80	790.65	0.037	down	Lower Lone Rock
MW-5D2	08/01/07	842.19	165 - 170	700.00			Lower Wonewoc
MW-5D	09/01/07	847.63	75 - 80	790.65	0.040	down	Lower Lone Rock
MW-5D2	09/01/07	844.03	165 - 170	700.00			Lower Wonewoc
MW-5D	12/01/07	846.42	75 - 80	790.65	0.030	down	Lower Lone Rock
MW-5D2	12/01/07	843.72	165 - 170	700.00			Lower Wonewoc
MW-5D	03/01/08	848.49	75 - 80	790.65	0.031	down	Lower Lone Rock
MW-5D2	03/01/08	845.64	165 - 170	700.00			Lower Wonewoc

Footnotes on Page 16.

Table 3-1. Vertical Gradients 2004-2013, Madison-Kipp Corporation, Madison, Wisconsin.

Well ID	Date	Groundwater Elevation (feet amsl)	Screen Interval (feet bls)	Midpoint of Screen (feet amsl)	Vertical Gradient	Direction	Formation
MW-5D	06/01/08	853.17	75 - 80	790.65	0.054	down	Lower Lone Rock
MW-5D2	06/01/08	848.24	165 - 170	700.00			Lower Wonewoc
MW-5D	09/01/08	849.02	75 - 80	790.65	0.046	down	Lower Lone Rock
MW-5D2	09/01/08	844.89	165 - 170	700.00			Lower Wonewoc
MW-5D	12/01/08	847.25	75 - 80	790.65	0.029	down	Lower Lone Rock
MW-5D2	12/01/08	844.65	165 - 170	700.00			Lower Wonewoc
MW-5D	04/01/09	848.93	75 - 80	790.65	0.031	down	Lower Lone Rock
MW-5D2	04/01/09	846.12	165 - 170	700.00			Lower Wonewoc
MW-5D	06/01/09	849.81	75 - 80	790.65	0.045	down	Lower Lone Rock
MW-5D2	06/01/09	845.73	165 - 170	700.00			Lower Wonewoc
MW-5D	09/01/09	846.90	75 - 80	790.65	0.035	down	Lower Lone Rock
MW-5D2	09/01/09	843.75	165 - 170	700.00			Lower Wonewoc
MW-5D	12/01/09	847.55	75 - 80	790.65	0.024	down	Lower Lone Rock
MW-5D2	12/01/09	845.37	165 - 170	700.00			Lower Wonewoc
MW-5D	07/01/10	849.31	75 - 80	790.65	0.041	down	Lower Lone Rock
MW-5D2	07/01/10	845.61	165 - 170	700.00			Lower Wonewoc
MW-5D	10/01/10	849.19	75 - 80	790.65	0.041	down	Lower Lone Rock
MW-5D2	10/01/10	845.51	165 - 170	700.00			Lower Wonewoc
MW-5D	12/01/10	847.84	75 - 80	790.65	0.028	down	Lower Lone Rock
MW-5D2	12/01/10	845.26	165 - 170	700.00			Lower Wonewoc
MW-5D	04/09/12	851.00	75 - 80	790.65	0.071	down	Lower Lone Rock
MW-5D2	04/09/12	844.52	165 - 170	700.00			Lower Wonewoc
MW-5D	07/23/12	844.95	75 - 80	790.65	0.036	down	Lower Lone Rock
MW-5D2	07/23/12	841.72	165 - 170	700.00			Lower Wonewoc
MW-5D	11/30/12	844.72	75 - 80	790.65	0.016	down	Lower Lone Rock
MW-5D2	11/30/12	843.25	165 - 170	700.00			Lower Wonewoc
MW-5D	01/14/13	844.58	75 - 80	790.65	0.014	down	Lower Lone Rock
MW-5D2	01/14/13	843.31	165 - 170	700.00			Lower Wonewoc
MW-5D	04/15/13	848.69	75 - 80	790.65	0.029	down	Lower Lone Rock
MW-5D2	04/15/13	846.04	165 - 170	700.00			Lower Wonewoc
MW-5D	07/15/13	851.25	75 - 80	790.65	0.054	down	Lower Lone Rock
MW-5D2	07/15/13	846.39	165 - 170	700.00			Lower Wonewoc
MW-5D	10/03/13	848.45	75 - 80	790.65	0.041	down	Lower Lone Rock
MW-5D2	10/03/13	844.75	165 - 170	700.00			Lower Wonewoc
				Average	**0.033**	**down**	
MW-5D2	07/23/12	841.72	165 - 170	700.00	-0.001	up	Lower Wonewoc
MW-5D3	07/23/12	841.81	224 - 234	633.00			Lower Wonewoc/Upper Eau Claire
MW-5D2	11/30/12	843.25	165 - 170	700.00	-0.002	up	Lower Wonewoc
MW-5D3	11/30/12	843.39	224 - 234	633.00			Lower Wonewoc/Upper Eau Claire
MW-5D2	01/14/13	843.31	165 - 170	700.00	-0.002	up	Lower Wonewoc
MW-5D3	01/14/13	843.42	224 - 234	633.00			Lower Wonewoc/Upper Eau Claire
MW-5D2	04/15/13	846.04	165 - 170	700.00	-0.001	up	Lower Wonewoc
MW-5D3	04/15/13	846.12	224 - 234	633.00			Lower Wonewoc/Upper Eau Claire
MW-5D2	07/15/13	846.39	165 - 170	700.00	0.005	down	Lower Wonewoc
MW-5D3	07/15/13	846.06	224 - 234	633.00			Lower Wonewoc/Upper Eau Claire
MW-5D2	10/03/13	844.75	165 - 170	700.00	-0.002	up	Lower Wonewoc
MW-5D3	10/03/13	844.87	224 - 234	633.00			Lower Wonewoc/Upper Eau Claire
				Average	**-0.001**	**up**	

Footnotes on Page 16.

Table 3-1. Vertical Gradients 2004-2013, Madison-Kipp Corporation, Madison, Wisconsin.

Well ID	Date	Groundwater Elevation (feet amsl)	Screen Interval (feet bls)	Midpoint of Screen (feet amsl)	Vertical Gradient	Direction	Formation
MW-6S	05/01/04	842.53	32 - 42	829.74	0.007	down	Unconsolidated/Upper Lone Rock
MW-6D	05/01/04	842.35	65 - 70	803.79			Lower Lone Rock
MW-6S	07/01/04	846.82	32 - 42	829.74	0.022	down	Unconsolidated/Upper Lone Rock
MW-6D	07/01/04	846.24	65 - 70	803.79			Lower Lone Rock
MW-6S	10/01/04	845.69	32 - 42	829.74	0.028	down	Unconsolidated/Upper Lone Rock
MW-6D	10/01/04	844.97	65 - 70	803.79			Lower Lone Rock
MW-6S	01/01/05	845.18	32 - 42	829.74	0.025	down	Unconsolidated/Upper Lone Rock
MW-6D	01/01/05	844.52	65 - 70	803.79			Lower Lone Rock
MW-6S	03/01/05	844.76	32 - 42	829.74	0.009	down	Unconsolidated/Upper Lone Rock
MW-6D	03/01/05	844.52	65 - 70	803.79			Lower Lone Rock
MW-6S	07/01/05	843.60	32 - 42	829.74	0.024	down	Unconsolidated/Upper Lone Rock
MW-6D	07/01/05	842.99	65 - 70	803.79			Lower Lone Rock
MW-6S	09/01/05	842.52	32 - 42	829.74	0.027	down	Unconsolidated/Upper Lone Rock
MW-6D	09/01/05	841.82	65 - 70	803.79			Lower Lone Rock
MW-6S	12/01/05	840.86	32 - 42	829.74	-0.017	up	Unconsolidated/Upper Lone Rock
MW-6D	12/01/05	841.30	65 - 70	803.79			Lower Lone Rock
MW-6S	03/01/06	841.80	32 - 42	829.74	0.007	down	Unconsolidated/Upper Lone Rock
MW-6D	03/01/06	841.63	65 - 70	803.79			Lower Lone Rock
MW-6S	07/01/06	844.17	32 - 42	829.74	0.021	down	Unconsolidated/Upper Lone Rock
MW-6D	07/01/06	843.63	65 - 70	803.79			Lower Lone Rock
MW-6S	10/01/06	844.88	32 - 42	829.74	0.024	down	Unconsolidated/Upper Lone Rock
MW-6D	10/01/06	844.27	65 - 70	803.79			Lower Lone Rock
MW-6S	12/01/06	845.35	32 - 42	829.74	0.015	down	Unconsolidated/Upper Lone Rock
MW-6D	12/01/06	844.97	65 - 70	803.79			Lower Lone Rock
MW-6S	03/01/07	845.15	32 - 42	829.74	0.013	down	Unconsolidated/Upper Lone Rock
MW-6D	03/01/07	844.82	65 - 70	803.79			Lower Lone Rock
MW-6S	08/01/07	844.73	32 - 42	829.74	-0.009	up	Unconsolidated/Upper Lone Rock
MW-6D	08/01/07	844.96	65 - 70	803.79			Lower Lone Rock
MW-6S	09/01/07	847.74	32 - 42	829.74	0.027	down	Unconsolidated/Upper Lone Rock
MW-6D	09/01/07	847.05	65 - 70	803.79			Lower Lone Rock
MW-6S	12/01/07	846.46	32 - 42	829.74	0.024	down	Unconsolidated/Upper Lone Rock
MW-6D	12/01/07	845.83	65 - 70	803.79			Lower Lone Rock
MW-6S	03/01/08	847.85	32 - 42	829.74	0.021	down	Unconsolidated/Upper Lone Rock
MW-6D	03/01/08	847.30	65 - 70	803.79			Lower Lone Rock
MW-6S	06/01/08	852.61	32 - 42	829.74	0.016	down	Unconsolidated/Upper Lone Rock
MW-6D	06/01/08	852.19	65 - 70	803.79			Lower Lone Rock
MW-6S	09/01/08	849.81	32 - 42	829.74	0.047	down	Unconsolidated/Upper Lone Rock
MW-6D	09/01/08	848.59	65 - 70	803.79			Lower Lone Rock
MW-6S	12/01/08	847.60	32 - 42	829.74	0.030	down	Unconsolidated/Upper Lone Rock
MW-6D	12/01/08	846.82	65 - 70	803.79			Lower Lone Rock
MW-6S	04/01/09	848.00	32 - 42	829.74	0.009	down	Unconsolidated/Upper Lone Rock
MW-6D	04/01/09	847.76	65 - 70	803.79			Lower Lone Rock
MW-6S	06/01/09	850.02	32 - 42	829.74	0.032	down	Unconsolidated/Upper Lone Rock
MW-6D	06/01/09	849.18	65 - 70	803.79			Lower Lone Rock
MW-6S	09/01/09	847.74	32 - 42	829.74	0.039	down	Unconsolidated/Upper Lone Rock
MW-6D	09/01/09	846.74	65 - 70	803.79			Lower Lone Rock
MW-6S	12/01/09	847.43	32 - 42	829.74	0.017	down	Unconsolidated/Upper Lone Rock
MW-6D	12/01/09	846.99	65 - 70	803.79			Lower Lone Rock

Footnotes on Page 16.

Table 3-1. Vertical Gradients 2004-2013, Madison-Kipp Corporation, Madison, Wisconsin.

Well ID	Date	Groundwater Elevation (feet amsl)	Screen Interval (feet bls)	Midpoint of Screen (feet amsl)	Vertical Gradient	Direction	Formation
MW-6S	07/01/10	849.03	32 - 42	829.74	0.017	down	Unconsolidated/Upper Lone Rock
MW-6D	07/01/10	848.58	65 - 70	803.79			Lower Lone Rock
MW-6S	10/01/10	849.78	32 - 42	829.74	0.034	down	Unconsolidated/Upper Lone Rock
MW-6D	10/01/10	848.89	65 - 70	803.79			Lower Lone Rock
MW-6S	12/01/10	848.14	32 - 42	829.74	0.027	down	Unconsolidated/Upper Lone Rock
MW-6D	12/01/10	847.45	65 - 70	803.79			Lower Lone Rock
MW-6S	04/09/12	845.89	32 - 42	829.74	0.013	down	Unconsolidated/Upper Lone Rock
MW-6D	04/09/12	845.54	65 - 70	803.79			Lower Lone Rock
MW-6S	07/23/12	845.29	32 - 42	829.74	0.033	down	Unconsolidated/Upper Lone Rock
MW-6D	07/23/12	844.44	65 - 70	803.79			Lower Lone Rock
MW-6S	01/14/13	844.38	32 - 42	829.74	0.003	down	Unconsolidated/Upper Lone Rock
MW-6D	01/14/13	844.31	65 - 70	803.79			Lower Lone Rock
MW-6S	04/15/13	845.97	32 - 42	829.74	-0.024	up	Unconsolidated/Upper Lone Rock
MW-6D	04/15/13	846.58	65 - 70	803.79			Lower Lone Rock
MW-6S	07/15/13	851.34	32 - 42	829.74	0.024	down	Unconsolidated/Upper Lone Rock
MW-6D	07/15/13	850.72	65 - 70	803.79			Lower Lone Rock
MW-6S	10/03/13	849.08	32 - 42	829.74	0.040	down	Unconsolidated/Upper Lone Rock
MW-6D	10/03/13	848.04	65 - 70	803.79			Lower Lone Rock
				Average	**0.019**	**down**	
MW-6D	01/14/13	844.31	65 - 70	803.79	0.015	down	Lower Lone Rock
MW-17	01/14/13	842.85	160 - 170	705.17			Upper Wonewoc
MW-6D	04/15/13	846.58	65 - 70	803.79	0.009	down	Lower Lone Rock
MW-17	04/15/13	845.69	160 - 170	705.17			Upper Wonewoc
MW-6D	07/15/13	850.72	65 - 70	803.79	0.046	down	Lower Lone Rock
MW-17	07/15/13	846.17	160 - 170	705.17			Upper Wonewoc
MW-6D	10/03/13	848.04	65 - 70	803.79	0.037	down	Lower Lone Rock
MW-17	10/03/13	844.44	160 - 170	705.17			Upper Wonewoc
				Average	**0.027**	**down**	
MW-9D	04/09/12	846.14	44 - 49	804.15	0.009	down	Upper Lone Rock
MW-9D2	04/09/12	845.96	64 - 69	783.63			Lower Lone Rock
MW-9D	07/23/12	843.98	44 - 49	804.15	0.008	down	Upper Lone Rock
MW-9D2	07/23/12	843.82	64 - 69	783.63			Lower Lone Rock
MW-9D	01/14/13	844.68	44 - 49	804.15	0.003	down	Upper Lone Rock
MW-9D2	01/14/13	844.62	64 - 69	783.63			Lower Lone Rock
MW-9D	04/15/13	847.90	44 - 49	804.15	0.010	down	Upper Lone Rock
MW-9D2	04/15/13	847.69	64 - 69	783.63			Lower Lone Rock
MW-9D	07/15/13	848.70	44 - 49	804.15	0.005	down	Upper Lone Rock
MW-9D2	07/15/13	848.60	64 - 69	783.63			Lower Lone Rock
MW-9D	10/03/13	846.74	44 - 49	804.15	0.005	down	Upper Lone Rock
MW-9D2	10/03/13	846.64	64 - 69	783.63			Lower Lone Rock
				Average	**0.007**	**down**	
MP-13	12/01/12	845.49	44 - 48	814.49	0.013	down	Upper Lone Rock
MP-13	12/01/12	845.19	67 - 71	791.49			Lower Lone Rock
MP-13	01/14/13	845.59	44 - 48	814.49	0.016	down	Upper Lone Rock
MP-13	01/14/13	845.22	67 - 71	791.49			Lower Lone Rock
MP-13	04/17/13	849.33	44 - 48	814.49	0.021	down	Upper Lone Rock
MP-13	04/17/13	848.85	67 - 71	791.49			Lower Lone Rock

Footnotes on Page 16.

Table 3-1. Vertical Gradients 2004-2013, Madison-Kipp Corporation, Madison, Wisconsin.

Well ID	Date	Groundwater Elevation (feet amsl)	Screen Interval (feet bls)	Midpoint of Screen (feet amsl)	Vertical Gradient	Direction	Formation
MP-13	07/22/13	851.55	44 - 48	814.49	0.032	down	Upper Lone Rock
MP-13	07/22/13	850.81	67 - 71	791.49			Lower Lone Rock
MP-13	10/03/13	848.80	44 - 48	814.49	0.026	down	Upper Lone Rock
MP-13	10/03/13	848.20	67 - 71	791.49			Lower Lone Rock
MP-13	12/01/12	845.19	67 - 71	791.49	0.007	down	Lower Lone Rock
MP-13	12/01/12	845.09	81 - 85	777.49			Lower Lone Rock
MP-13	01/14/13	845.22	67 - 71	791.49	0.009	down	Lower Lone Rock
MP-13	01/14/13	845.09	81 - 85	777.49			Lower Lone Rock
MP-13	04/17/13	848.85	67 - 71	791.49	0.016	down	Lower Lone Rock
MP-13	04/17/13	848.62	81 - 85	777.49			Lower Lone Rock
MP-13	07/22/13	850.81	67 - 71	791.49	0.028	down	Lower Lone Rock
MP-13	07/22/13	850.42	81 - 85	777.49			Lower Lone Rock
MP-13	10/03/13	848.20	67 - 71	791.49	0.016	down	Lower Lone Rock
MP-13	10/03/13	847.97	81 - 85	777.49			Lower Lone Rock
				Average	**0.019**	**down**	
MP-13	12/01/12	845.09	81 - 85	777.49	0.048	down	Lower Lone Rock
MP-13	12/01/12	844.09	102 - 106	756.49			Upper Wonewoc
MP-13	01/14/13	845.09	81 - 85	777.49	0.051	down	Lower Lone Rock
MP-13	01/14/13	844.02	102 - 106	756.49			Upper Wonewoc
MP-13	04/17/13	848.62	81 - 85	777.49	0.074	down	Lower Lone Rock
MP-13	04/17/13	847.06	102 - 106	756.49			Upper Wonewoc
MP-13	07/22/13	850.42	81 - 85	777.49	0.135	down	Lower Lone Rock
MP-13	07/22/13	847.59	102 - 106	756.49			Upper Wonewoc
MP-13	10/07/13	847.97	81 - 85	777.49	0.098	down	Lower Lone Rock
MP-13	10/07/13	845.91	102 - 106	756.49			Upper Wonewoc
				Average	**0.081**	**down**	
MP-13	12/01/12	844.09	102 - 106	756.49	0.005	down	Upper Wonewoc
MP-13	12/01/12	843.99	121 - 125	737.49			Upper Wonewoc
MP-13	01/14/13	844.02	102 - 106	756.49	0.002	down	Upper Wonewoc
MP-13	01/14/13	843.98	121 - 125	737.49			Upper Wonewoc
MP-13	04/17/13	847.06	102 - 106	756.49	0.003	down	Upper Wonewoc
MP-13	04/17/13	847.00	121 - 125	737.49			Upper Wonewoc
MP-13	07/22/13	847.59	102 - 106	756.49	0.005	down	Upper Wonewoc
MP-13	07/22/13	847.49	121 - 125	737.49			Upper Wonewoc
MP-13	10/07/13	845.91	102 - 106	756.49	0.003	down	Upper Wonewoc
MP-13	10/07/13	845.85	121 - 125	737.49			Upper Wonewoc
MP-13	12/01/12	843.99	121 - 125	737.49	0.007	down	Upper Wonewoc
MP-13	12/01/12	843.89	135 - 139	723.49			Lower Wonewoc
MP-13	01/14/13	843.98	121 - 125	737.49	0.006	down	Upper Wonewoc
MP-13	01/14/13	843.89	135 - 139	723.49			Lower Wonewoc
MP-13	04/17/13	847.00	121 - 125	737.49	0.008	down	Upper Wonewoc
MP-13	04/17/13	846.89	135 - 139	723.49			Lower Wonewoc
MP-13	07/22/13	847.49	121 - 125	737.49	0.015	down	Upper Wonewoc
MP-13	07/22/13	847.28	135 - 139	723.49			Lower Wonewoc
MP-13	10/07/13	845.85	121 - 125	737.49	0.013	down	Upper Wonewoc
MP-13	10/07/13	845.67	135 - 139	723.49			Lower Wonewoc
MP-13	12/01/12	843.89	135 - 139	723.49	0.011	down	Lower Wonewoc
MP-13	12/01/12	843.59	163 - 167	695.49			Lower Wonewoc

Footnotes on Page 16.

Table 3-1. Vertical Gradients 2004-2013, Madison-Kipp Corporation, Madison, Wisconsin.

Well ID	Date	Groundwater Elevation (feet amsl)	Screen Interval (feet bls)	Midpoint of Screen (feet amsl)	Vertical Gradient	Direction	Formation
MP-13	01/14/13	843.89	135 - 139	723.49	0.006	down	Lower Wonewoc
MP-13	01/14/13	843.73	163 - 167	695.49			Lower Wonewoc
MP-13	04/17/13	846.89	135 - 139	723.49	0.010	down	Lower Wonewoc
MP-13	04/17/13	846.62	163 - 167	695.49			Lower Wonewoc
MP-13	07/22/13	847.28	135 - 139	723.49	0.015	down	Lower Wonewoc
MP-13	07/22/13	846.87	163 - 167	695.49			Lower Wonewoc
MP-13	10/07/13	845.67	135 - 139	723.49	0.014	down	Lower Wonewoc
MP-13	10/07/13	845.28	163 - 167	695.49			Lower Wonewoc
				Average	**0.008**	**down**	
MP-14	01/14/13	845.55	70 - 75	789.38	0.043	down	Lower Lone Rock
MP-14	01/14/13	844.25	100 - 105	759.38			Upper Wonewoc
MP-14	04/16/13	849.22	70 - 75	789.38	0.059	down	Lower Lone Rock
MP-14	04/16/13	847.46	100 - 105	759.38			Upper Wonewoc
MP-14	07/22/13	852.20	70 - 75	789.38	0.125	down	Lower Lone Rock
MP-14	07/22/13	848.45	100 - 105	759.38			Upper Wonewoc
MP-14	10/08/13	849.31	70 - 75	789.38	0.093	down	Lower Lone Rock
MP-14	10/08/13	846.53	100 - 105	759.38			Upper Wonewoc
				Average	**0.080**	**down**	
MP-14	01/14/13	844.25	100 - 105	759.38	0.009	down	Upper Wonewoc
MP-14	01/14/13	843.94	135 - 140	724.38			Lower Wonewoc
MP-14	04/16/13	847.46	100 - 105	759.38	0.009	down	Upper Wonewoc
MP-14	04/16/13	847.13	135 - 140	724.38			Lower Wonewoc
MP-14	07/22/13	848.45	100 - 105	759.38	0.021	down	Upper Wonewoc
MP-14	07/22/13	847.73	135 - 140	724.38			Lower Wonewoc
MP-14	10/08/13	846.53	100 - 105	759.38	0.015	down	Upper Wonewoc
MP-14	10/08/13	846.00	135 - 140	724.38			Lower Wonewoc
MP-14	01/14/13	843.94	135 - 140	724.38	0.006	down	Lower Wonewoc
MP-14	01/14/13	843.71	170 - 178	684.88			Lower Wonewoc
MP-14	04/16/13	847.13	135 - 140	724.38	0.006	down	Lower Wonewoc
MP-14	04/16/13	846.88	170 - 178	684.88			Lower Wonewoc
MP-14	07/22/13	847.73	135 - 140	724.38	0.013	down	Lower Wonewoc
MP-14	07/22/13	847.20	170 - 178	684.88			Lower Wonewoc
MP-14	10/08/13	846.00	135 - 140	724.38	0.012	down	Lower Wonewoc
MP-14	10/08/13	845.54	170 - 178	684.88			Lower Wonewoc
				Average	**0.011**	**down**	
MP-15	01/14/13	844.38	88 - 92	761.98	-0.003	up	Upper Wonewoc
MP-15	01/14/13	844.42	100 - 105	748.48			Upper Wonewoc
MP-15	04/15/13	852.23	88 - 92	761.98	0.370	down	Upper Wonewoc
MP-15	04/15/13	847.23	100 - 105	748.48			Upper Wonewoc
MP-15	07/22/13	847.45	88 - 92	761.98	0.002	down	Upper Wonewoc
MP-15	07/22/13	847.42	100 - 105	748.48			Upper Wonewoc
MP-15	10/08/13	845.98	88 - 92	761.98	-0.001	up	Upper Wonewoc
MP-15	10/08/13	845.99	100 - 105	748.48			Upper Wonewoc
MP-15	01/14/13	844.42	100 - 105	748.48	0.003	down	Upper Wonewoc
MP-15	01/14/13	844.35	120 - 125	728.48			Lower Wonewoc
MP-15	04/15/13	847.23	100 - 105	748.48	0.002	down	Upper Wonewoc
MP-15	04/15/13	847.19	120 - 125	728.48			Lower Wonewoc

Footnotes on Page 16.

Table 3-1. Vertical Gradients 2004-2013, Madison-Kipp Corporation, Madison, Wisconsin.

Well ID	Date	Groundwater Elevation (feet amsl)	Screen Interval (feet bls)	Midpoint of Screen (feet amsl)	Vertical Gradient	Direction	Formation
MP-15	07/22/13	847.42	100 - 105	748.48	0.007	down	Upper Wonewoc
MP-15	07/22/13	847.28	120 - 125	728.48			Lower Wonewoc
MP-15	10/08/13	845.99	100 - 105	748.48	0.007	down	Upper Wonewoc
MP-15	10/08/13	845.85	120 - 125	728.48			Lower Wonewoc
MP-15	01/14/13	844.35	120 - 125	728.48	0.007	down	Lower Wonewoc
MP-15	01/14/13	844.20	142 - 146	707.98			Lower Wonewoc
MP-15	04/15/13	847.19	120 - 125	728.48	0.012	down	Lower Wonewoc
MP-15	04/15/13	846.95	142 - 146	707.98			Lower Wonewoc
MP-15	07/22/13	847.28	120 - 125	728.48	0.019	down	Lower Wonewoc
MP-15	07/22/13	846.90	142 - 146	707.98			Lower Wonewoc
MP-15	10/08/13	845.85	120 - 125	728.48	0.013	down	Lower Wonewoc
MP-15	10/08/13	845.59	142 - 146	707.98			Lower Wonewoc
MP-15	01/14/13	844.20	142 - 146	707.98	0.001	down	Lower Wonewoc
MP-15	01/14/13	844.14	177 - 187	663.98			Lower Wonewoc
MP-15	04/15/13	846.95	142 - 146	707.98	0.002	down	Lower Wonewoc
MP-15	04/15/13	846.87	177 - 187	663.98			Lower Wonewoc
MP-15	07/22/13	846.90	142 - 146	707.98	0.002	down	Lower Wonewoc
MP-15	07/22/13	846.82	177 - 187	663.98			Lower Wonewoc
MP-15	10/08/13	845.59	142 - 146	707.98	0.002	down	Lower Wonewoc
MP-15	10/08/13	845.50	177 - 187	663.98			Lower Wonewoc
				Average	**0.028**	**down**	
MP-16	01/14/13	844.38	80 - 84	784.68	0.027	down	Lower Lone Rock
MP-16	01/14/13	843.45	106 - 116	749.68			Upper Wonewoc
MP-16	04/16/13	847.19	80 - 84	784.68	0.022	down	Lower Lone Rock
MP-16	04/16/13	846.41	106 - 116	749.68			Upper Wonewoc
MP-16	07/23/13	850.19	80 - 84	784.68	0.088	down	Lower Lone Rock
MP-16	07/23/13	847.10	106 - 116	749.68			Upper Wonewoc
MP-16	10/09/13	847.52	80 - 84	784.68	0.059	down	Lower Lone Rock
MP-16	10/09/13	845.46	106 - 116	749.68			Upper Wonewoc
				Average	**0.049**	**down**	
MP-16	01/14/13	843.45	106 - 116	749.68	0.006	down	Upper Wonewoc
MP-16	01/14/13	843.29	140 - 144	724.68			Lower Wonewoc
MP-16	04/16/13	846.41	106 - 116	749.68	0.006	down	Upper Wonewoc
MP-16	04/16/13	846.27	140 - 144	724.68			Lower Wonewoc
MP-16	07/23/13	847.10	106 - 116	749.68	0.016	down	Upper Wonewoc
MP-16	07/23/13	846.69	140 - 144	724.68			Lower Wonewoc
MP-16	10/09/13	845.46	106 - 116	749.68	0.011	down	Upper Wonewoc
MP-16	10/08/13	845.19	140 - 144	724.68			Lower Wonewoc
MP-16	01/14/13	843.29	140 - 144	724.68	0.007	down	Lower Wonewoc
MP-16	01/14/13	843.04	175 - 179	689.68			Lower Wonewoc
MP-16	04/16/13	846.27	140 - 144	724.68	0.008	down	Lower Wonewoc
MP-16	04/16/13	845.99	175 - 179	689.68			Lower Wonewoc
MP-16	07/23/13	846.69	140 - 144	724.68	0.018	down	Lower Wonewoc
MP-16	07/23/13	846.06	175 - 179	689.68			Lower Wonewoc
MP-16	10/08/13	845.19	140 - 144	724.68	0.011	down	Lower Wonewoc
MP-16	10/08/13	844.79	175 - 179	689.68			Lower Wonewoc
				Average	**0.010**	**down**	

Footnotes on Page 16.

Table 3-1. Vertical Gradients 2004-2013, Madison-Kipp Corporation, Madison, Wisconsin.

Well ID	Date	Groundwater Elevation (feet amsl)	Screen Interval (feet bls)	Midpoint of Screen (feet amsl)	Vertical Gradient	Direction	Formation
MW-22S	01/14/13	844.65	25 - 35	834.45	-0.009	up	Unconsolidated
MW-22D	01/14/13	844.76	45 - 50	821.95			Upper Lone Rock
MW-22S	04/15/13	847.48	25 - 35	834.45	-0.014	up	Unconsolidated
MW-22D	04/15/13	847.66	45 - 50	821.95			Upper Lone Rock
MW-22S	07/15/13	851.47	25 - 35	834.45	-0.010	up	Unconsolidated
MW-22D	07/15/13	851.60	45 - 50	821.95			Upper Lone Rock
MW-22S	10/03/13	849.01	25 - 35	834.45	-0.143	up	Unconsolidated
MW-22D	10/03/13	850.80	45 - 50	821.95			Upper Lone Rock
				Average	**-0.044**	**up**	
MW-23S	01/14/13	844.96	25 - 35	834.55	0.011	down	Unconsolidated
MW-23D	01/14/13	844.82	45 - 50	822.05			Upper Lone Rock
MW-23S	04/15/13	847.52	25 - 35	834.55	-0.010	up	Unconsolidated
MW-23D	04/15/13	847.65	45 - 50	822.05			Upper Lone Rock
MW-23S	07/15/13	852.15	25 - 35	834.55	0.035	down	Unconsolidated
MW-23D	07/15/13	851.71	45 - 50	822.05			Upper Lone Rock
MW-23S	10/03/13	849.72	25 - 35	834.55	0.060	down	Unconsolidated
MW-23D	10/03/13	848.97	45 - 50	822.05			Upper Lone Rock
				Average	**0.024**	**down**	
MW-25D	05/06/13	845.14	120 - 130	761.97	0.003		Upper Wonewoc
MW-25D2	05/06/13	845.03	160 - 170	721.97		down	Upper Wonewoc
MW-25D	07/15/13	845.62	120 - 130	761.97	0.009		Upper Wonewoc
MW-25D2	07/15/13	845.25	160 - 170	721.97		down	Upper Wonewoc
MW-25D	10/03/13	843.91	120 - 130	761.97	0.008		Upper Wonewoc
MW-25D2	10/03/13	843.60	160 - 170	721.97		down	Upper Wonewoc
				Average	**0.007**	**down**	
MW-27D	12/26/13	845.40	130 - 140	727.96	-0.0002		Upper Wonewoc
MW-27D2	12/26/13	845.41	170 - 180	687.96		up	Lower Wonewoc
				Average	**-0.0002**	**up**	

amsl Above mean sea level.
bls Below land surface.

ARCADIS

Table 4-1. Off-Site Soil Analytical Results, Madison-Kipp Corporation, Madison, Wisconsin.

Boring ID	Non-Industrial	Industrial	Soil to	MW-26S		MW-27		
Sample Date	Direct Contact	Direct Contact	Groundwater	8/21/2013	8/21/2013	11/18/2013	11/18/2013	11/18/2013
Sample Interval (feet bls)	RCL	RCL	Pathway RCL	2-4	7-9	2-4	8-10	13-15
VOCs (mg/kg)								
VOCs	NE	NE	NE	ND	ND	ND	ND	ND
PAHs (mg/kg)								
Acenaphthylene	487	487	NE	<0.0088	<0.0091	0.0081 J	<0.0054	<0.0048
Anthracene	17,200	100,000	196.74	<0.0090	<0.0093	0.018 J	<0.0069	<0.0061
Benzo(a)Anthracene	0.148	2.11	NE	<0.0080	<0.0083	0.083	<0.0056	<0.0049
Benzo(a)Pyrene	0.0148	0.211	0.47	<0.0070	0.011 J	**0.08**	<0.008	<0.007
Benzo(b)fluoranthene	0.148	2.11	0.48	0.01 J	0.013 J	0.097	<0.0089	<0.0078
Benzo(g,h,i)Perylene	NE	NE	NE	<0.013	0.014 J	0.063	<0.013	<0.012
Benzo(k)Fluoranthene	1.48	21.1	NE	<0.0091	<0.0095	0.053	<0.012	<0.011
Chrysene	14.8	211	0.1451	<0.0086	<0.0090	0.085	<0.011	<0.0099
Dibenzo(a,h)Anthracene	0.0148	0.211	NE	<0.011	0.012 J	0.013 J	<0.008	<0.007
Fluoranthene	2,290	22,000	88.82	<0.016	<0.016	0.17	<0.0077	<0.0067
Indeno(1,2,3-cd)Pyrene	0.148	2.11	NE	<0.013	0.013 J	0.053	<0.011	<0.0094
Phenanthrene	115	115	NE	<0.016	<0.017	0.085	<0.0058	<0.0051
Pyrene	1,720	16,500	54.47	<0.014	<0.014	0.11	<0.0082	<0.0072
Total Detected PAHs	NE	NE	NE	0.01	0.063	0.9181	ND	ND

Only detected constituents are noted. Please refer to laboratory reports for a complete list of constituents and results.

100	Exceeds the WDNR's non-industrial direct contact residual contaminant level.
100	Exceeds the WDNR's industrial direct contact residual contaminant level.
100	Exceeds the WDNR's soil to groundwater pathway residual contaminant level.
<	Constituent not detected above noted laboratory detection limit.
J	Constituent concentration is an approximate value.
bls	Below land surface.
mg/kg	Milligrams per kilogram.
NE	Criteria not established.
ND	Not detected.
PAHs	Polycyclic Aromatic Hydrocarbons.
RCL	Residual contaminant level.
VOCs	Volatile Organic Compounds.
WDNR	Wisconsin Department of Natural Resources.

Table 4-2. Groundwater Vertical Aquifer Profiling Analytical Results, Madison-Kipp Corporation, Madison, Wisconsin.

Sample ID	Preventive	Enforcement	MW-25						
Sample Date	Action	Standard	4/8/2013	4/8/2013	4/9/2013	4/9/2013	4/11/2013	4/11/2013	4/12/2013
Sample Interval (feet bls)	Limit		64-70	80-90	100-110	120-130	140-150	160-170	180-190
VOCs (µg/L)									
cis-1,2-Dichloroethene	7	70	<0.12	<0.12	<0.12	<0.12	<0.12	<0.12	<0.12
Methyl-Tert-Butylether	12	60	<0.24	<0.24	<0.24	<0.24	<0.24	<0.24	<0.24
Methylene Chloride	0.5	5	<0.68	<0.68	<0.68	<0.68	<0.68	<0.68	<0.68
Naphthalene	10	100	<0.16	<0.16	3	<0.16	<0.16	<0.16	<0.16
Tetrachloroethene	0.5	5	0.47 J	<0.17	***2***	***3***	<0.17	<0.17	<0.17
Toluene	160	800	0.29 J	2	1	3	1	1	0.43 J
Trichloroethene	0.5	5	<0.19	<0.19	<0.19	<0.19	<0.19	<0.19	<0.19
Total Xylenes	400	2,000	<0.068	<0.068	<0.068	<0.068	<0.068	<0.068	<0.068

Only VOCs detected in one or more water samples are listed in the table. Refer to laboratory analytical reports for a complete list of VOCs analyzed.

100	Concentration exceeds the NR 140 Wis. adm. code Preventive Action Limit.
100	Concentration exceeds the NR 140 Wis. adm. code Enforcement Standard.
<	Constituent not detected above noted laboratory detection limit.
bls	Below land surface.
DUP	Duplicate sample.
J	Result is between the method detection limit and the limit of quantitation.
µg/L	Micrograms per liter.
VOCs	Volatile Organic Compounds

Table 4-2. Groundwater Vertical Aquifer Profiling Analytical Results, Madison-Kipp Corporation, Madison, Wisconsin.

Sample ID	MW-25 (continued)			MW-27					
Sample Date	4/18/2013	4/18/2013	4/19/2013	11/19/2013	11/20/2013	11/22/2013	11/22/2013	11/22/2013	11/24/2013
Sample Interval (feet bls)	200-210	210-220	220-230	40-50	60-70	95-100	100-110	100-110 (DUP)	135-145
VOCs (µg/L)									
cis-1,2-Dichloroethene	<0.12	<0.12	<0.12	<0.12	<0.12	<0.12	<0.12	<0.12	***13***
Methyl-Tert-Butylether	<0.24	<0.24	<0.24	<0.24	<0.24	<0.24	<0.24	<0.24	2
Methylene Chloride	<0.68	<0.68	<0.68	<0.68	<0.68	<0.68	<0.68	<0.68	<0.68
Naphthalene	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16
Tetrachloroethene	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	***40***
Toluene	<0.11	<0.11	<0.11	7	1	4	2	1	1
Trichloroethene	<0.19	<0.19	<0.19	<0.19	<0.19	0.39 J	***1***	***1***	**22**
Total Xylenes	<0.068	<0.068	<0.068	<0.068	<0.068	<0.068	<0.068	<0.068	<0.068

Only VOCs detected in one or more water samples are listed in the table. Refer to laboratory analytical reports for a complete list of VOCs analyzed.

100	Concentration exceeds the NR 140 Wis. adm. code Preventive Action Limit.
100	Concentration exceeds the NR 140 Wis. adm. code Enforcement Standard.
<	Constituent not detected above noted laboratory detection limit.
bls	Below land surface.
DUP	Duplicate sample.
J	Result is between the method detection limit and the limit of quantitation.
µg/L	Micrograms per liter.
VOCs	Volatile Organic Compounds

Table 4-2. Groundwater Vertical Aquifer Profiling Analytical Results, Madison-Kipp Corporation, Madison, Wisconsin.

Sample ID	MW-27 (continued)				
Sample Date	**11/25/2013**	**11/25/2013**	**11/26/2013**	**11/26/2013**	**12/2/2013**
Sample Interval (feet bls)	**150-160**	**170-180**	**190-200**	**200-210**	**210-220**
VOCs (µg/L)					
cis-1,2-Dichloroethene	***8***	0.47 J	<0.12	<0.12	<0.12
Methyl-Tert-Butylether	<0.24	<0.24	<0.24	<0.24	<0.24
Methylene Chloride	<0.68	<0.68	<0.68	<0.68	<0.68
Naphthalene	<0.16	<0.16	<0.16	<0.16	<0.16
Tetrachloroethene	***25***	***3***	<0.17	<0.17	<0.17
Toluene	0.39 J	0.44 J	0.27 J	<0.11	<0.11
Trichloroethene	***16***	***1***	<0.19	<0.19	<0.19
Total Xylenes	<0.068	<0.068	<0.068	<0.068	<0.068

Only VOCs detected in one or more water samples are listed in the table. Refer to laboratory analytical reports for a complete list of VOCs analyzed.

100	Concentration exceeds the NR 140 Wis. adm. code Preventive Action Limit.
100	Concentration exceeds the NR 140 Wis. adm. code Enforcement Standard.
<	Constituent not detected above noted laboratory detection limit.
bls	Below land surface.
DUP	Duplicate sample.
J	Result is between the method detection limit and the limit of quantitation.
µg/L	Micrograms per liter.
VOCs	Volatile Organic Compounds

Table 4-3. Groundwater Analytical Results 2010-2013, Madison-Kipp Corporation, Madison, Wisconsin.

Well ID			MW-1						
Sample Interval (feet bls)	Preventive	Enforcement	14-24	14-24	14-24	14-24	14-24	14-24	14-24
Sample Date	Action Limit	Standard	4/8/2010	3/29/2011	4/11/2012	1/15/2013	4/21/2013	7/18/2013	10/9/2013
VOCs (µg/L)									
1,1,1,2-Tetrachloroethane	7	70	<0.25	<0.25	<0.31	<0.25	<0.25	<0.25	<0.25
1,1,2-Trichloroethane	0.5	5	<0.25	<0.25	<0.3	<0.28	<0.28	<0.28	<0.28
1,1-Dichloroethene	0.7	7	***1.1***	***0.95***	***0.94 J***	***0.84 J***	<0.31	<0.31	0.62 J
1,2,4-Trimethylbenzene	96	480	<0.2	<0.2	<0.22	<0.14	<0.14	<0.14	<0.14
1,2-Dibromoethane	0.005	0.05	<0.2	<0.2	<0.45	<0.36	<0.36	<0.36	<0.36
1,2-Dichlorobenzene	60	600	<0.2	<0.2	<0.21	<0.27	<0.27	<0.27	<0.27
1,2-Dichloropropane	0.5	5	<0.5	<0.5	<0.36	<0.2	<0.2	<0.2	<0.2
1,3,5-Trimethylbenzene	96	480	<0.2	<0.2	<0.23	<0.18	<0.18	<0.18	<0.18
Benzene	0.5	5	<0.2	<0.2	<0.12	<0.074	<0.074	<0.074	<0.074
Bromoform	0.44	4.4	<0.2	<0.2	<0.45	<0.28	<0.28	<0.28	<0.28
Bromomethane	1	10	<0.5	<0.5	<0.49	<0.31	<0.31	<0.31	<0.31
Carbon tetrachloride	0.5	5	<0.8	<0.8	<0.28	<0.26	<0.26	<0.26	<0.26
Chloroform	0.6	6	<0.2	<0.2	<0.25	<0.2	<0.2	<0.2	<0.2
Chloromethane	3	30	<0.3	<0.3	<0.24	<0.18	<0.18	<0.18	<0.18
cis-1,2-Dichloroethene	7	70	***51***	***58***	***38***	***41***	***23***	***25***	***27***
Dichlorodifluoromethane	200	1,000	<0.5	<0.5	<0.26	<0.2	<0.2	<0.2	<0.2
Ethylbenzene	140	700	<0.5	<0.5	<0.14	<0.13	<0.13	<0.13	<0.13
Isopropylbenzene	NE	NE	<0.2	<0.2	<0.21	<0.14	<0.14	<0.14	<0.14
Methyl tert-butyl ether	12	60	<0.5	<0.5	<0.28	<0.24	<0.24	<0.24	<0.24
Methylene Chloride	0.5	5	<1	<1	***8.5***	<0.68	<0.68	<0.68	<0.68
Naphthalene	10	100	<0.25	<0.25	<0.24	<0.16	<0.16	<0.16	<0.16
n-Butylbenzene	NE	NE	<0.2	<0.2	<0.21	<0.13	<0.13	<0.13	<0.13
N-Propylbenzene	NE	NE	<0.5	<0.5	<0.19	<0.13	<0.13	<0.13	<0.13
p-Isopropyltoluene	NE	NE	<0.2	<0.2	<0.24	<0.17	<0.17	<0.17	<0.17
sec-Butylbenzene	NE	NE	<0.25	<0.25	<0.19	<0.15	<0.15	<0.15	<0.15
Styrene	10	100	<0.5	<0.5	<0.26	<0.1	<0.1	<0.1	<0.1
tert-Butylbenzene	NE	NE	<0.2	<0.2	<0.24	<0.14	<0.14	<0.14	<0.14
Tetrachloroethene	0.5	5	***32***	***9***	***23***	***22***	***10***	***11***	***18***
Toluene	160	800	<0.5	<0.5	<0.15	<0.11	<0.11	<0.11	<0.11
trans-1,2-Dichloroethene	20	100	1	1	0.77 J	0.78 J	<0.25	<0.25	<0.25
Trichloroethene	0.5	5	***33***	***20***	***24***	***25***	***23***	***18***	***23***
Vinyl chloride	0.02	0.2	***1.5***	***1.1***	***0.86***	***0.63***	<0.1	<0.1	<0.1
Xylenes, Total	400	2,000	<0.5	<0.5	<0.3	<0.068	<0.068	<0.068	<0.068

Footnotes on Page 3.

Table 4-3. Groundwater Analytical Results 2010-2013, Madison-Kipp Corporation, Madison, Wisconsin.

Well ID			MW-1						
Sample Interval (feet bls)	Preventive	Enforcement	14-24	14-24	14-24	14-24	14-24	14-24	14-24
Sample Date	Action Limit	Standard	4/8/2010	3/29/2011	4/11/2012	1/15/2013	4/21/2013	7/18/2013	10/9/2013
PAHs (µg/L)									
1-Methylnaphthalene	NE	NE	NA	NA	NA	<1.1	NA	NA	NA
2-Methylnaphthalene	NE	NE	NA	NA	NA	<0.14	NA	NA	NA
Naphthalene	10	100	NA	NA	NA	<0.33	NA	NA	NA
Total PCBs (µg/L)									
Aroclor1016	0.03	0.03	NA	NA	NA	<0.17	NA	NA	NA
Aroclor1232	0.03	0.03	NA	NA	NA	<0.091	NA	NA	NA
Aroclor1242	0.03	0.03	NA	NA	NA	<0.13	NA	NA	NA
Total Detected PCBs	NE	NE	NA	NA	NA	ND	NA	NA	NA
Dissolved PCBs (µg/L)									
Aroclor1016	0.03	0.03	NA	NA	NA	NA	NA	NA	NA
Aroclor1232	0.03	0.03	NA	NA	NA	NA	NA	NA	NA
Aroclor1242	0.03	0.03	NA	NA	NA	NA	NA	NA	NA
Total Detected PCBs	NE	NE	NA	NA	NA	NA	NA	NA	NA
Total Metals (µg/L)									
Arsenic	1	10	NA	NA	NA	NA	NA	NA	NA
Barium	400	2,000	NA	NA	NA	NA	NA	NA	NA
Cadmium	0.5	5	NA	NA	NA	NA	NA	NA	NA
Chromium	10	100	NA	NA	NA	NA	NA	NA	NA
Iron	150	300	NA	NA	NA	NA	NA	NA	NA
Lead	1.5	15	NA	NA	NA	NA	NA	NA	NA
Manganese	60	300	NA	NA	NA	NA	NA	NA	NA

Footnotes on Page 3.

Table 4-3. Groundwater Analytical Results 2010-2013, Madison-Kipp Corporation, Madison, Wisconsin.

Well ID			MW-1						
Sample Interval (feet bls)	Preventive	Enforcement	14-24	14-24	14-24	14-24	14-24	14-24	14-24
Sample Date	Action Limit	Standard	4/8/2010	3/29/2011	4/11/2012	1/15/2013	4/21/2013	7/18/2013	10/9/2013
Total Metals (µg/L) (continued)									
Mercury	0.20	2	NA	NA	NA	NA	NA	NA	NA
Selenium	10	50	NA	NA	NA	NA	NA	NA	NA
Silver	10	50	NA	NA	NA	NA	NA	NA	NA
Dissolved Metals (µg/L)									
Arsenic	1	10	NA	NA	NA	0.73 J	NA	NA	NA
Barium	400	2,000	NA	NA	NA	230	NA	NA	NA
Cadmium	0.5	5	NA	NA	NA	0.18 J	NA	NA	NA
Chromium	10	100	NA	NA	NA	<0.64	NA	NA	NA
Iron	150	300	NA	NA	NA	***320***	NA	NA	NA
Lead	1.5	15	NA	NA	NA	0.27 J	NA	NA	NA
Manganese	60	300	NA	NA	NA	***700***	NA	NA	NA
Mercury	0.2	2	NA	NA	NA	<0.071	NA	NA	NA
Selenium	10	50	NA	NA	NA	<0.25	NA	NA	NA
Silver	10	50	NA	NA	NA	<0.069	NA	NA	NA

Only VOCs, PAHs, and PCBs detected in one or more water samples are listed on the table. Refer to laboratory analytical reports for a complete list of constituents analyzed.

100	Concentration exceeds the NR 140 Wis. adm. code Preventive Action Limit.
100	Concentration exceeds the NR 140 Wis. adm. code Enforcement Standard.
<	Constituent not detected above noted laboratory detection limit.
*	Data is suspect and not used in evaluation.
B	Compound was found in the blank and the sample.
bls	Below land surface.
J	Result is between the method detection limit and the limit of quantitation.
µg/L	Micrograms per liter.
NA	Not analyzed.
NE	Not established.
ND	Not detected.
PCBs	Polychlorinated Biphenyls.
PAHs	Polycyclic Aromatic Hydrocarbons.
VOCs	Volatile Organic Compounds.

Table 4-3. Groundwater Analytical Results 2010-2013, Madison-Kipp Corporation, Madison, Wisconsin.

Well ID	MW-2S							MW-2D		
Sample Interval (feet bls)	19-29	19-29	19-29	19-29	19-29	19-29	19-29	39-44	39-44	39-44
Sample Date	4/8/2010	3/30/2011	4/11/2012	1/14/2013	4/20/2013	7/18/2013	10/10/2013	4/8/2010	10/1/2010	3/30/2011
VOCs (µg/L)										
1,1,1,2-Tetrachloroethane	<0.25	<0.25	<0.31	<0.25	<0.25	<0.25	<0.25	<8	<0.25	<4
1,1,2-Trichloroethane	<0.25	<0.25	<0.3	<0.28	<0.28	<0.28	<0.28	<8	<0.25	<4
1,1-Dichloroethene	<0.5	<0.5	<0.29	<0.31	<0.31	<0.31	<0.31	<16	<0.5	<8
1,2,4-Trimethylbenzene	<0.2	<0.2	<0.22	<0.14	<0.14	<0.14	<0.14	<6.4	<0.2	<3.2
1,2-Dibromoethane	<0.2	<0.2	<0.45	<0.36	<0.36	<0.36	<0.36	<6.4	<0.2	<3.2
1,2-Dichlorobenzene	<0.2	<0.2	<0.21	<0.27	<0.27	<0.27	<0.27	<6.4	<0.2	<3.2
1,2-Dichloropropane	<0.5	<0.5	<0.36	<0.2	<0.2	<0.2	<0.2	<16	<0.5	<8
1,3,5-Trimethylbenzene	<0.2	<0.2	<0.23	<0.18	<0.18	<0.18	<0.18	<6.4	<0.2	<3.2
Benzene	<0.2	<0.2	<0.12	<0.074	<0.074	<0.074	<0.074	<6.4	<0.2	<3.2
Bromoform	<0.2	<0.2	<0.45	<0.28	<0.28	<0.28	<0.28	<6.4	<0.2	<3.2
Bromomethane	<0.5	<0.5	<0.49	<0.31	<0.31	<0.31	<0.31	<16	<0.5	<8
Carbon tetrachloride	<0.8	<0.8	<0.28	<0.26	<0.26	<0.26	<0.26	<26	<0.8	<13
Chloroform	<0.2	<0.2	<0.25	<0.2	<0.2	<0.2	<0.2	<6.4	<0.2	<3.2
Chloromethane	<0.3	<0.3	<0.24	<0.18	<0.18	<0.18	<0.18	<9.6	<0.3	<4.8
cis-1,2-Dichloroethene	<0.5	<0.5	<0.22	<0.12	<0.12	<0.12	<0.12	<16	1	<8
Dichlorodifluoromethane	<0.5	<0.5	<0.26	<0.2	<0.2	<0.2	<0.2	<16	<0.5	<8
Ethylbenzene	<0.5	<0.5	<0.14	<0.13	<0.13	<0.13	<0.13	<16	<0.5	<8
Isopropylbenzene	<0.2	<0.2	<0.21	<0.14	<0.14	<0.14	<0.14	<6.4	<0.2	<3.2
Methyl tert-butyl ether	<0.5	<0.5	<0.28	<0.24	<0.24	<0.24	<0.24	<16	<0.5	<8
Methylene Chloride	<1	<1	***8.6***	<0.68	<0.68	<0.68	<0.68	<32	<1	<16
Naphthalene	<0.25	<0.25	<0.24	<0.16	<0.16	<0.16	<0.16	<8	<0.25	<4
n-Butylbenzene	<0.2	<0.2	<0.21	<0.13	<0.13	<0.13	<0.13	<6.4	<0.2	<3.2
N-Propylbenzene	<0.5	<0.5	<0.19	<0.13	<0.13	<0.13	<0.13	<16	<0.5	<8
p-Isopropyltoluene	<0.2	<0.2	<0.24	<0.17	<0.17	<0.17	<0.17	<6.4	<0.2	<3.2
sec-Butylbenzene	<0.25	<0.25	<0.19	<0.15	<0.15	<0.15	<0.15	<8	<0.25	<4
Styrene	<0.5	<0.5	<0.26	<0.1	<0.1	<0.1	<0.1	<16	<0.5	<8
tert-Butylbenzene	<0.2	<0.2	<0.24	<0.14	<0.14	<0.14	<0.14	<6.4	<0.2	<3.2
Tetrachloroethene	***1.6***	***1.3***	***1.2***	***1.3***	***1.3***	***0.81 J***	***1.1***	***1,400***	***1,300***	***1,000***
Toluene	<0.5	<0.5	<0.15	<0.11	<0.11	<0.11	<0.11	<16	<0.5	<8
trans-1,2-Dichloroethene	<0.5	<0.5	<0.27	<0.25	<0.25	<0.25	<0.25	<16	<0.5	<8
Trichloroethene	<0.2	<0.2	<0.18	<0.19	<0.19	<0.19	<0.19	***20***	***16***	***10***
Vinyl chloride	<0.2	<0.2	<0.13	<0.1	<0.1	<0.1	<0.1	<6.4	<0.2	<3.2
Xylenes, Total	<0.5	<0.5	<0.3	<0.068	<0.068	<0.068	<0.068	<16	<0.5	<8

Footnotes on Page 6.

Table 4-3. Groundwater Analytical Results 2010-2013, Madison-Kipp Corporation, Madison, Wisconsin.

Well ID	MW-2S							MW-2D		
Sample Interval (feet bls)	19-29	19-29	19-29	19-29	19-29	19-29	19-29	39-44	39-44	39-44
Sample Date	4/8/2010	3/30/2011	4/11/2012	1/14/2013	4/20/2013	7/18/2013	10/10/2013	4/8/2010	10/1/2010	3/30/2011
PAHs (µg/L)										
1-Methylnaphthalene	NA	NA	NA	<1.1	NA	NA	NA	NA	NA	NA
2-Methylnaphthalene	NA	NA	NA	<0.14	NA	NA	NA	NA	NA	NA
Naphthalene	NA	NA	NA	<0.33	NA	NA	NA	NA	NA	NA
Total PCBs (µg/L)										
Aroclor1016	NA	NA	NA	<0.17	NA	NA	NA	NA	NA	NA
Aroclor1232	NA	NA	NA	<0.091	NA	NA	NA	NA	NA	NA
Aroclor1242	NA	NA	NA	<0.13	NA	NA	NA	NA	NA	NA
Total Detected PCBs	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA
Dissolved PCBs (µg/L)										
Aroclor1016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor1232	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor1242	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Detected PCBs	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Metals (µg/L)										
Arsenic	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Footnotes on Page 6.

Table 4-3. Groundwater Analytical Results 2010-2013, Madison-Kipp Corporation, Madison, Wisconsin.

Well ID	MW-2S							MW-2D		
Sample Interval (feet bls)	19-29	19-29	19-29	19-29	19-29	19-29	19-29	39-44	39-44	39-44
Sample Date	4/8/2010	3/30/2011	4/11/2012	1/14/2013	4/20/2013	7/18/2013	10/10/2013	4/8/2010	10/1/2010	3/30/2011
Total Metals (µg/L) (continued)										
Mercury	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dissolved Metals (µg/L)										
Arsenic	NA	NA	NA	0.51 J	NA	NA	NA	NA	NA	NA
Barium	NA	NA	NA	41	NA	NA	NA	NA	NA	NA
Cadmium	NA	NA	NA	<0.1	NA	NA	NA	NA	NA	NA
Chromium	NA	NA	NA	2.6 J	NA	NA	NA	NA	NA	NA
Iron	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	NA	NA	NA	<0.16	NA	NA	NA	NA	NA	NA
Manganese	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	NA	NA	NA	<0.071	NA	NA	NA	NA	NA	NA
Selenium	NA	NA	NA	4	NA	NA	NA	NA	NA	NA
Silver	NA	NA	NA	<0.069	NA	NA	NA	NA	NA	NA

Only VOCs, PAHs, and PCBs detected in one or more water samples are listed on the table. Refer to laboratory analytical reports for a complete list of constituents analyzed.

100	Concentration exceeds the NR 140 Wis. adm. code Preventive Action Limit.
100	Concentration exceeds the NR 140 Wis. adm. code Enforcement Standard.
<	Constituent not detected above noted laboratory detection limit.
*	Data is suspect and not used in evaluation.
B	Compound was found in the blank and the sample.
bls	Below land surface.
J	Result is between the method detection limit and the limit of quantitation.
µg/L	Micrograms per liter.
NA	Not analyzed.
NE	Not established.
ND	Not detected.
PCBs	Polychlorinated Biphenyls.
PAHs	Polycyclic Aromatic Hydrocarbons.
VOCs	Volatile Organic Compounds.

Table 4-3. Groundwater Analytical Results 2010-2013, Madison-Kipp Corporation, Madison, Wisconsin.

Well ID	MW-2D (continuted)					MW-3S				
Sample Interval (feet bls)	39-44	39-44	39-44	39-44	39-44	19-29	19-29	19-29	19-29	19-29
Sample Date	4/11/2012	1/15/2013	4/20/2013	7/18/2013	10/10/2013	4/7/2010	3/29/2011	4/12/2012	11/30/2012	12/17/2012
VOCs (µg/L)										
1,1,1,2-Tetrachloroethane	<0.31	<0.5	<0.5	<0.25	<0.25	<8	<6.3	<1.6	<1.3	NA
1,1,2-Trichloroethane	<0.3	<0.56	<0.56	<0.28	<0.28	<8	<6.3	<1.5	<1.4	NA
1,1-Dichloroethene	<0.29	<0.62	<0.62	<0.31	<0.31	<16	<13	<1.5	<1.6	NA
1,2,4-Trimethylbenzene	<0.22	<0.28	<0.28	<0.14	<0.14	<6.4	<5	<1.1	<0.7	NA
1,2-Dibromoethane	<0.45	<0.72	<0.72	<0.36	<0.36	NA	NA	<2.3	<1.8	NA
1,2-Dichlorobenzene	<0.21	<0.54	<0.54	<0.27	<0.27	<6.4	<5	<1.1	<1.4	NA
1,2-Dichloropropane	<0.36	<0.4	<0.4	<0.2	<0.2	<16	<13	<1.8	<1	NA
1,3,5-Trimethylbenzene	<0.23	<0.36	<0.36	<0.18	<0.18	<6.4	<5	<1.2	<0.9	NA
Benzene	<0.12	<0.15	<0.15	<0.074	<0.074	<6.4	<5	<0.6	***1.5 J***	NA
Bromoform	<0.45	<0.56	<0.56	<0.28	<0.28	<6.4	<5	<2.3	<1.4	NA
Bromomethane	<0.49	<0.62	<0.62	<0.31	<0.31	<16	<13	<2.5	<1.6	NA
Carbon tetrachloride	<0.28	<0.52	<0.52	<0.26	<0.26	<26	<20	<1.4	<1.3	NA
Chloroform	<0.25	<0.4	<0.4	<0.2	<0.2	<6.4	<5	***3.7 J***	***5***	NA
Chloromethane	<0.24	<0.36	<0.36	<0.18	<0.18	<9.6	<7.5	<1.2	<0.9	NA
cis-1,2-Dichloroethene	<0.22	<0.24	<0.24	<0.12	<0.12	***83***	***37***	***89***	***98***	NA
Dichlorodifluoromethane	<0.26	<0.4	<0.4	<0.2	<0.2	<16	<13	<1.3	<1	NA
Ethylbenzene	<0.14	<0.26	<0.26	<0.13	<0.13	<16	<13	<0.7	<0.65	NA
Isopropylbenzene	<0.21	<0.28	<0.28	<0.14	<0.14	<6.4	<5	<1.1	<0.7	NA
Methyl tert-butyl ether	<0.28	<0.48	<0.48	<0.24	<0.24	<16	<13	<1.4	<1.2	NA
Methylene Chloride	***8.1***	<1.4	<1.4	<0.68	<0.68	<32	<25	<3.2	<3.4	NA
Naphthalene	<0.24	<0.32	<0.32	<0.16	<0.16	<8	<6.3	<1.2	<0.8	NA
n-Butylbenzene	<0.21	<0.26	<0.26	<0.13	<0.13	<6.4	<5	<1.1	<0.65	NA
N-Propylbenzene	<0.19	<0.26	<0.26	<0.13	<0.13	<16	<13	<0.95	<0.65	NA
p-Isopropyltoluene	<0.24	<0.34	<0.34	<0.17	<0.17	<6.4	<5	<1.2	<0.85	NA
sec-Butylbenzene	<0.19	<0.3	<0.3	<0.15	<0.15	<8	<6.3	<0.95	<0.75	NA
Styrene	<0.26	<0.2	<0.2	<0.1	<0.1	<16	<13	<1.3	<0.5	NA
tert-Butylbenzene	<0.24	<0.28	<0.28	<0.14	<0.14	<6.4	<5	<1.2	<0.7	NA
Tetrachloroethene	***610***	***720***	***910***	***580***	***440***	***2,000***	***1,100***	***1,600***	***2,400***	NA
Toluene	<0.15	<0.22	<0.22	<0.11	<0.11	<16	<13	<0.75	<0.55	NA
trans-1,2-Dichloroethene	<0.27	<0.5	<0.5	<0.25	<0.25	<16	<13	5	6	NA
Trichloroethene	***5.4***	***5.1***	***6.4***	***4.1***	***3***	***130***	***66***	***120***	***160***	NA
Vinyl chloride	<0.13	<0.2	<0.2	<0.1	<0.1	<6.4	<5	<0.65	<0.5	NA
Xylenes, Total	<0.3	<0.14	<0.14	<0.068	<0.068	<16	<13	<1.5	<0.34	NA

Footnotes on Page 9.

Table 4-3. Groundwater Analytical Results 2010-2013, Madison-Kipp Corporation, Madison, Wisconsin.

Well ID	MW-2D (continuted)					MW-3S				
Sample Interval (feet bls)	39-44	39-44	39-44	39-44	39-44	19-29	19-29	19-29	19-29	19-29
Sample Date	4/11/2012	1/15/2013	4/20/2013	7/18/2013	10/10/2013	4/7/2010	3/29/2011	4/12/2012	11/30/2012	12/17/2012
PAHs (µg/L)										
1-Methylnaphthalene	NA	<1.1	NA	NA	NA	NA	NA	NA	NA	NA
2-Methylnaphthalene	NA	<0.14	NA	NA	NA	NA	NA	NA	NA	NA
Naphthalene	NA	<0.32	NA	NA	NA	NA	NA	NA	NA	NA
Total PCBs (µg/L)										
Aroclor1016	NA	<0.18	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor1232	NA	<0.096	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor1242	NA	<0.14	NA	NA	NA	NA	NA	NA	NA	NA
Total Detected PCBs	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA
Dissolved PCBs (µg/L)										
Aroclor1016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor1232	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor1242	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Detected PCBs	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Metals (µg/L)										
Arsenic	NA	NA	NA	NA	NA	NA	NA	NA	0.49 J	<3.7
Barium	NA	NA	NA	NA	NA	NA	NA	NA	NA	69
Cadmium	NA	NA	NA	NA	NA	NA	NA	NA	NA	<2.6
Chromium	NA	NA	NA	NA	NA	NA	NA	NA	<0.64	***270***
Iron	NA	NA	NA	NA	NA	NA	NA	NA	37 J	<920
Lead	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.78
Manganese	NA	NA	NA	NA	NA	NA	NA	NA	34	***800,000***

Footnotes on Page 9.

Table 4-3. Groundwater Analytical Results 2010-2013, Madison-Kipp Corporation, Madison, Wisconsin.

Well ID	MW-2D (continuted)					MW-3S				
Sample Interval (feet bls)	39-44	39-44	39-44	39-44	39-44	19-29	19-29	19-29	19-29	19-29
Sample Date	4/11/2012	1/15/2013	4/20/2013	7/18/2013	10/10/2013	4/7/2010	3/29/2011	4/12/2012	11/30/2012	12/17/2012
Total Metals (µg/L) (continued)										
Mercury	NA	NA	NA	NA	NA	NA	NA	NA	NA	***13***
Selenium	NA	NA	NA	NA	NA	NA	NA	NA	NA	***23 J***
Silver	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.1 J
Dissolved Metals (µg/L)										
Arsenic	NA	0.30 J	NA	NA	NA	NA	NA	NA	0.45 J	NA
Barium	NA	71	NA	NA	NA	NA	NA	NA	88	NA
Cadmium	NA	<0.1	NA	NA	NA	NA	NA	NA	<0.1	NA
Chromium	NA	3.0 J	NA	NA	NA	NA	NA	NA	<0.64	NA
Iron	NA	<37	NA	NA	NA	NA	NA	NA	<37	NA
Lead	NA	<0.16	NA	NA	NA	NA	NA	NA	<0.16	NA
Manganese	NA	0.86 J	NA	NA	NA	NA	NA	NA	26	NA
Mercury	NA	<0.071	NA	NA	NA	NA	NA	NA	0.072 J	NA
Selenium	NA	5	NA	NA	NA	NA	NA	NA	0.74 J	NA
Silver	NA	<0.069	NA	NA	NA	NA	NA	NA	<0.069	NA

Only VOCs, PAHs, and PCBs detected in one or more water samples are listed on the table. Refer to laboratory analytical reports for a complete list of constituents analyzed.

100	Concentration exceeds the NR 140 Wis. adm. code Preventive Action Limit.
100	Concentration exceeds the NR 140 Wis. adm. code Enforcement Standard.
<	Constituent not detected above noted laboratory detection limit.
*	Data is suspect and not used in evaluation.
B	Compound was found in the blank and the sample.
bls	Below land surface.
J	Result is between the method detection limit and the limit of quantitation.
µg/L	Micrograms per liter.
NA	Not analyzed.
NE	Not established.
ND	Not detected.
PCBs	Polychlorinated Biphenyls.
PAHs	Polycyclic Aromatic Hydrocarbons.
VOCs	Volatile Organic Compounds.

Table 4-3. Groundwater Analytical Results 2010-2013, Madison-Kipp Corporation, Madison, Wisconsin.

Well ID	MW-3S (continued)						MW-3D			
Sample Interval (feet bls)	19-29	19-29	19-29	19-29	19-29	19-29	48-53	48-53	48-53	48-53
Sample Date	1/15/2013	2/12/2013	3/12/2013	4/16/2013	7/16/2013	10/10/2013	4/7/2010	10/1/2010	3/30/2011	4/12/2012
VOCs (µg/L)										
1,1,1,2-Tetrachloroethane	<0.25	<0.25	<0.25	<0.25	<0.5	<0.5	<8	<0.25	<5	<0.31
1,1,2-Trichloroethane	<0.28	<0.28	<0.28	<0.28	<0.56	<0.56	<8	<0.25	<5	<0.3
1,1-Dichloroethene	<0.31	<0.31	<0.31	<0.31	<0.62	<0.62	<16	<0.5	<10	<0.29
1,2,4-Trimethylbenzene	<0.14	<0.14	<0.14	<0.14	<0.28	<0.28	<6.4	<0.2	<4	<0.22
1,2-Dibromoethane	<0.36	<0.36	<0.36	<0.36	<0.72	<0.72	NA	NA	NA	<0.45
1,2-Dichlorobenzene	<0.27	<0.27	<0.27	<0.27	<0.54	<0.54	<6.4	<0.2	<4	<0.21
1,2-Dichloropropane	<0.2	<0.2	<0.2	<0.2	<0.4	<0.4	<16	<0.5	<10	<0.36
1,3,5-Trimethylbenzene	<0.18	<0.18	<0.18	<0.18	<0.36	<0.36	<6.4	<0.2	<4	<0.23
Benzene	0.42 J	***0.88***	***1***	***0.6***	***0.70 J***	***1***	<6.4	0.31	<4	0.39 J
Bromoform	<0.28	<0.28	<0.28	<0.28	<0.56	<0.56	<6.4	<0.2	<4	<0.45
Bromomethane	<0.31	<0.31	<0.31	<0.31	<0.62	<0.62	<16	<0.5	<10	<0.49
Carbon tetrachloride	<0.26	<0.26	<0.26	<0.26	<0.52	<0.52	<26	<0.8	<16	<0.28
Chloroform	***1.6***	***3.0***	***4.1***	***2.7***	***2.8***	***3.7***	<6.4	***0.78***	<4	***0.93 J***
Chloromethane	<0.18	<0.18	<0.18	<0.18	<0.36	<0.36	<9.6	<0.3	<6	<0.24
cis-1,2-Dichloroethene	<0.12	1.6	5	<0.12	***14***	***58***	***510***	***310***	***300***	***350***
Dichlorodifluoromethane	<0.2	<0.2	<0.2	<0.2	<0.4	<0.4	<16	<0.5	<10	<0.26
Ethylbenzene	0.36 J	<0.13	<0.13	<0.13	<0.26	<0.26	<16	<0.5	<10	<0.14
Isopropylbenzene	<0.14	<0.14	<0.14	<0.14	<0.28	<0.28	<6.4	<0.2	<4	<0.21
Methyl tert-butyl ether	<0.24	<0.24	<0.24	<0.24	<0.48	<0.48	<16	<0.5	<10	<0.28
Methylene Chloride	<0.68	<0.68	<0.68	<0.68	<1.4	<1.4	<32	<1	<20	<0.63
Naphthalene	<0.16	<0.16	<0.16	<0.16	<0.32	<0.32	<8	<0.25	<5	<0.24
n-Butylbenzene	<0.13	<0.13	<0.13	<0.13	<0.26	<0.26	<6.4	<0.2	<4	<0.21
N-Propylbenzene	<0.13	<0.13	<0.13	<0.13	<0.26	<0.26	<16	<0.5	<10	<0.19
p-Isopropyltoluene	<0.17	<0.17	<0.17	<0.17	<0.34	<0.34	<6.4	<0.2	<4	<0.24
sec-Butylbenzene	<0.15	<0.15	<0.15	<0.15	<0.3	<0.3	<8	<0.25	<5	<0.19
Styrene	<0.1	<0.1	<0.1	<0.1	<0.2	<0.2	<16	<0.5	<10	<0.26
tert-Butylbenzene	<0.14	<0.14	<0.14	<0.14	<0.28	<0.28	<6.4	<0.2	<4	<0.24
Tetrachloroethene	***88***	***600***	***750***	***20***	***840***	***1,000***	***1,700***	***1,500***	***1,200***	***1,100***
Toluene	0.38 J	<0.11	<0.11	<0.11	<0.22	<0.22	<16	<0.5	<10	<0.15
trans-1,2-Dichloroethene	<0.25	<0.25	<0.25	<0.25	<0.5	5	<16	7	<10	6
Trichloroethene	<0.19	***6.8***	***16***	<0.19	***26***	***100***	***270***	***200***	***170***	***160***
Vinyl chloride	<0.1	<0.1	<0.1	<0.1	<0.2	<0.2	<6.4	<0.2	<4	<0.13
Xylenes, Total	2.4	<0.068	<0.068	<0.068	<0.14	<0.14	<16	<0.5	<10	<0.3

Footnotes on Page 12.

Table 4-3. Groundwater Analytical Results 2010-2013, Madison-Kipp Corporation, Madison, Wisconsin.

Well ID	MW-3S (continued)						MW-3D			
Sample Interval (feet bls)	19-29	19-29	19-29	19-29	19-29	19-29	48-53	48-53	48-53	48-53
Sample Date	1/15/2013	2/12/2013	3/12/2013	4/16/2013	7/16/2013	10/10/2013	4/7/2010	10/1/2010	3/30/2011	4/12/2012
PAHs (µg/L)										
1-Methylnaphthalene	<1.1	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Methylnaphthalene	<0.14	NA	NA	NA	NA	NA	NA	NA	NA	NA
Naphthalene	<0.32	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total PCBs (µg/L)										
Aroclor1016	<0.18	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor1232	<0.096	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor1242	<0.14	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Detected PCBs	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dissolved PCBs (µg/L)										
Aroclor1016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor1232	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor1242	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Detected PCBs	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Metals (µg/L)										
Arsenic	<3.7	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	***510***	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	<920	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	***460,000***	NA	NA	NA	NA	NA	NA	NA	NA	NA

Footnotes on Page 12.

Table 4-3. Groundwater Analytical Results 2010-2013, Madison-Kipp Corporation, Madison, Wisconsin.

Well ID	MW-3S (continued)						MW-3D			
Sample Interval (feet bls)	19-29	19-29	19-29	19-29	19-29	19-29	48-53	48-53	48-53	48-53
Sample Date	1/15/2013	2/12/2013	3/12/2013	4/16/2013	7/16/2013	10/10/2013	4/7/2010	10/1/2010	3/30/2011	4/12/2012
Total Metals (µg/L) (continued)										
Mercury	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dissolved Metals (µg/L)										
Arsenic	<3.7	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	34 J	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	<2.6	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	***510***	NA	NA	NA	***120***	NA	NA	NA	NA	NA
Iron	<920	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	<3.9	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	***370,000***	NA	NA	NA	5.3 B	NA	NA	NA	NA	NA
Mercury	***4.1***	NA	NA	NA	0.082 J	NA	NA	NA	NA	NA
Selenium	***35 J***	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	2.6 J	NA	NA	NA	NA	NA	NA	NA	NA	NA

Only VOCs, PAHs, and PCBs detected in one or more water samples are listed on the table. Refer to laboratory analytical reports for a complete list of constituents analyzed.

100	Concentration exceeds the NR 140 Wis. adm. code Preventive Action Limit.
100	Concentration exceeds the NR 140 Wis. adm. code Enforcement Standard.
<	Constituent not detected above noted laboratory detection limit.
*	Data is suspect and not used in evaluation.
B	Compound was found in the blank and the sample.
bls	Below land surface.
J	Result is between the method detection limit and the limit of quantitation.
µg/L	Micrograms per liter.
NA	Not analyzed.
NE	Not established.
ND	Not detected.
PCBs	Polychlorinated Biphenyls.
PAHs	Polycyclic Aromatic Hydrocarbons.
VOCs	Volatile Organic Compounds.

Table 4-3. Groundwater Analytical Results 2010-2013, Madison-Kipp Corporation, Madison, Wisconsin.

Well ID	MW-3D (continued)							MW-3D2		
Sample Interval (feet bls)	48-53	48-53	48-53	48-53	48-53	48-53	48-53	76-81	76-81	76-81
Sample Date	11/30/2012	1/16/2013	2/12/2013	3/13/2013	4/16/2013	7/16/2013	10/10/2013	12/31/2009	4/7/2010	7/1/2010
VOCs (µg/L)										
1,1,1,2-Tetrachloroethane	<1.3	<0.25	<0.25	<0.25	<0.25	<0.5	<0.25	<6.3	<13	<13
1,1,2-Trichloroethane	<1.4	<0.28	<0.28	<0.28	<0.28	<0.56	<0.28	<6.3	<13	<13
1,1-Dichloroethene	<1.6	<0.31	<0.31	<0.31	<0.31	<0.62	<0.31	<13	<25	<25
1,2,4-Trimethylbenzene	<0.7	<0.14	<0.14	<0.14	<0.14	<0.28	<0.14	<5	<10	<10
1,2-Dibromoethane	<1.8	<0.36	<0.36	<0.36	<0.36	<0.72	<0.36	NA	NA	NA
1,2-Dichlorobenzene	<1.4	<0.27	<0.27	<0.27	<0.27	<0.54	<0.27	<5	<10	<10
1,2-Dichloropropane	<1	<0.2	<0.2	<0.2	<0.2	<0.4	<0.2	<13	<25	<25
1,3,5-Trimethylbenzene	<0.9	<0.18	<0.18	<0.18	<0.18	<0.36	<0.18	<5	<10	<10
Benzene	<0.37	0.32 J	0.29 J	<0.074	0.27 J	<0.15	0.36 J	<5	<10	<10
Bromoform	<1.4	<0.28	<0.28	<0.28	<0.28	<0.56	<0.28	<5	<10	<10
Bromomethane	<1.6	<0.31	<0.31	<0.31	<0.31	<0.62	<0.31	<13	<25	<25
Carbon tetrachloride	<1.3	<0.26	<0.26	<0.26	<0.26	<0.52	<0.26	<20	<40	<40
Chloroform	<1	***0.89 J***	<0.2	<0.2	<0.2	<0.4	***0.85 J***	<5	<10	<10
Chloromethane	<0.9	<0.18	<0.18	<0.18	<0.18	<0.36	<0.18	<7.5	<15	<15
cis-1,2-Dichloroethene	***520***	***290***	***200***	***54***	***210***	***200***	***180***	***520***	***510***	***460***
Dichlorodifluoromethane	<1	<0.2	<0.2	<0.2	<0.2	<0.4	<0.2	<13	<25	<25
Ethylbenzene	<0.65	<0.13	<0.13	<0.13	<0.13	<0.26	<0.13	<13	<25	<25
Isopropylbenzene	<0.7	<0.14	<0.14	<0.14	<0.14	<0.28	<0.14	<5	<10	<10
Methyl tert-butyl ether	<1.2	<0.24	<0.24	<0.24	<0.24	<0.48	<0.24	<13	<25	<25
Methylene Chloride	<3.4	<0.68	<0.68	<0.68	<0.68	<1.4	<0.68	<25	<50	<50
Naphthalene	<0.8	<0.16	<0.16	<0.16	<0.16	<0.32	<0.16	<6.3	<13	***240***
n-Butylbenzene	<0.65	<0.13	<0.13	<0.13	<0.13	<0.26	<0.13	<5	<10	<10
N-Propylbenzene	<0.65	<0.13	<0.13	<0.13	<0.13	<0.26	<0.13	<13	<25	<25
p-Isopropyltoluene	<0.85	<0.17	<0.17	<0.17	<0.17	<0.34	<0.17	<5	<10	<10
sec-Butylbenzene	<0.75	<0.15	<0.15	<0.15	<0.15	<0.3	<0.15	<6.3	<13	<13
Styrene	<0.5	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<13	<25	<25
tert-Butylbenzene	<0.7	<0.14	<0.14	<0.14	<0.14	<0.28	<0.14	<5	<10	<10
Tetrachloroethene	***1,800***	***660***	***760***	***150***	***740***	***920***	***620***	***4,900***	***4,400***	***3,900***
Toluene	<0.55	<0.11	<0.11	<0.11	<0.11	<0.22	<0.11	<13	<25	<25
trans-1,2-Dichloroethene	7.7	6.0	4	1.1	4.2	4.8	5.2	<13	<25	<25
Trichloroethene	***250***	***140***	***130***	***30***	***120***	***130***	***100***	***280***	***240***	***240***
Vinyl chloride	<0.5	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<5	<10	<10
Xylenes, Total	<0.34	<0.068	<0.068	<0.068	<0.068	<0.14	<0.068	<13	<25	<25

Footnotes on Page 15.

Table 4-3. Groundwater Analytical Results 2010-2013, Madison-Kipp Corporation, Madison, Wisconsin.

Well ID	MW-3D (continued)							MW-3D2		
Sample Interval (feet bls)	48-53	48-53	48-53	48-53	48-53	48-53	48-53	76-81	76-81	76-81
Sample Date	11/30/2012	1/16/2013	2/12/2013	3/13/2013	4/16/2013	7/16/2013	10/10/2013	12/31/2009	4/7/2010	7/1/2010
PAHs (µg/L)										
1-Methylnaphthalene	NA	<1.1	NA	NA	NA	NA	NA	NA	NA	NA
2-Methylnaphthalene	NA	<0.14	NA	NA	NA	NA	NA	NA	NA	NA
Naphthalene	NA	<0.33	NA	NA	NA	NA	NA	NA	NA	NA
Total PCBs (µg/L)										
Aroclor1016	NA	<0.18	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor1232	NA	<0.096	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor1242	NA	<0.14	NA	NA	NA	NA	NA	NA	NA	NA
Total Detected PCBs	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA
Dissolved PCBs (µg/L)										
Aroclor1016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor1232	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor1242	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Detected PCBs	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Metals (µg/L)										
Arsenic	0.32 J	0.18 J	0.19 J	NA	NA	NA	NA	NA	NA	NA
Barium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	3.7 J	0.70 J	0.98 J	NA	NA	NA	NA	NA	NA	NA
Iron	***400***	79 J B	***210***	NA	NA	NA	NA	NA	NA	NA
Lead	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	42	***170***	***250 B***	NA	NA	NA	NA	NA	NA	NA

Footnotes on Page 15.

Table 4-3. Groundwater Analytical Results 2010-2013, Madison-Kipp Corporation, Madison, Wisconsin.

Well ID	MW-3D (continued)							MW-3D2		
Sample Interval (feet bls)	**48-53**	**48-53**	**48-53**	**48-53**	**48-53**	**48-53**	**48-53**	**76-81**	**76-81**	**76-81**
Sample Date	**11/30/2012**	**1/16/2013**	**2/12/2013**	**3/13/2013**	**4/16/2013**	**7/16/2013**	**10/10/2013**	**12/31/2009**	**4/7/2010**	**7/1/2010**
Total Metals (µg/L) (continued)										
Mercury	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dissolved Metals (µg/L)										
Arsenic	0.23 J	0.18 J	0.20 J	NA	NA	NA	NA	NA	NA	NA
Barium	68	66	50	NA	NA	NA	NA	NA	NA	NA
Cadmium	0.13 J	0.15 J	0.22 J	NA	NA	NA	NA	NA	NA	NA
Chromium	2.4 J	0.77 J	<0.64	NA	NA	NA	NA	NA	NA	NA
Iron	<37	<37	<37	NA	NA	NA	NA	NA	NA	NA
Lead	<0.16	0.29 J	<0.16	NA	NA	NA	NA	NA	NA	NA
Manganese	28	***170***	***230 B***	***230***	***350***	***430 B***	NA	NA	NA	NA
Mercury	<0.071	NA	<0.071	NA	NA	NA	NA	NA	NA	NA
Selenium	<0.25	<0.25	<0.25	NA	NA	NA	NA	NA	NA	NA
Silver	<0.069	<0.069	<0.069	NA	NA	NA	NA	NA	NA	NA

Only VOCs, PAHs, and PCBs detected in one or more water samples are listed on the table. Refer to laboratory analytical reports for a complete list of constituents analyzed.

100	Concentration exceeds the NR 140 Wis. adm. code Preventive Action Limit.
100	Concentration exceeds the NR 140 Wis. adm. code Enforcement Standard.
<	Constituent not detected above noted laboratory detection limit.
*	Data is suspect and not used in evaluation.
B	Compound was found in the blank and the sample.
bls	Below land surface.
J	Result is between the method detection limit and the limit of quantitation.
µg/L	Micrograms per liter.
NA	Not analyzed.
NE	Not established.
ND	Not detected.
PCBs	Polychlorinated Biphenyls.
PAHs	Polycyclic Aromatic Hydrocarbons.
VOCs	Volatile Organic Compounds.

Table 4-3. Groundwater Analytical Results 2010-2013, Madison-Kipp Corporation, Madison, Wisconsin.

Well ID	MW-3D2 (continued)									
Sample Interval (feet bls)	76-81	76-81	76-81	76-81	76-81	76-81	76-81	76-81	76-81	76-81
Sample Date	10/1/2010	3/30/2011	4/12/2012	11/30/2012	1/16/2013	2/12/2013	3/13/2013	4/16/2013	7/16/2013	10/10/2013
VOCs (µg/L)										
1,1,1,2-Tetrachloroethane	<0.25	<13	<1.6	<1.3	<0.5	<0.25	<0.25	<0.25	<0.25	<0.25
1,1,2-Trichloroethane	<0.25	<13	<1.5	<1.4	<0.56	<0.28	<0.28	<0.28	<0.28	<0.28
1,1-Dichloroethene	<0.5	<25	<1.5	<1.6	<0.62	<0.31	<0.31	<0.31	<0.31	<0.31
1,2,4-Trimethylbenzene	<0.2	<10	<1.1	<0.7	<0.28	<0.14	<0.14	<0.14	<0.14	<0.14
1,2-Dibromoethane	NA	NA	<2.3	<1.8	<0.72	<0.36	<0.36	<0.36	<0.36	<0.36
1,2-Dichlorobenzene	<0.2	<10	<1.1	<1.4	<0.54	<0.27	<0.27	<0.27	<0.27	<0.27
1,2-Dichloropropane	<0.5	<25	<1.8	<1	<0.4	<0.2	<0.2	<0.2	<0.2	<0.2
1,3,5-Trimethylbenzene	<0.2	<10	<1.2	<0.9	<0.36	<0.18	<0.18	<0.18	<0.18	<0.18
Benzene	<0.2	<10	<0.6	<0.37	<0.15	<0.074	<0.074	<0.074	<0.074	<0.074
Bromoform	<0.2	<10	<2.3	<1.4	<0.56	<0.28	<0.28	<0.28	<0.28	<0.28
Bromomethane	<0.5	<25	<2.5	<1.6	<0.62	<0.31	<0.31	<0.31	<0.31	<0.31
Carbon tetrachloride	<0.8	<40	<1.4	<1.3	<0.52	<0.26	<0.26	<0.26	<0.26	<0.26
Chloroform	0.37	<10	<1.3	<1	<0.4	<0.2	<0.2	<0.2	<0.2	<0.2
Chloromethane	<0.3	<15	<1.2	<0.9	<0.36	<0.18	<0.18	<0.18	<0.18	<0.18
cis-1,2-Dichloroethene	***400***	***440***	***440***	***420***	***320***	***250***	***100***	***45***	***10***	***21***
Dichlorodifluoromethane	<0.5	<25	<1.3	<1	<0.4	<0.2	<0.2	<0.2	<0.2	<0.2
Ethylbenzene	<0.5	<25	<0.7	<0.65	<0.26	<0.13	<0.13	<0.13	<0.13	<0.13
Isopropylbenzene	<0.2	<10	<1.1	<0.7	<0.28	<0.14	<0.14	<0.14	<0.14	<0.14
Methyl tert-butyl ether	<0.5	<25	<1.4	<1.2	<0.48	<0.24	<0.24	<0.24	<0.24	<0.24
Methylene Chloride	<1	<50	<3.2	<3.4	<1.4	***7.3***	<0.68	<0.68	<0.68	<0.68
Naphthalene	<0.25	***13***	<1.2	<0.8	<0.32	<0.16	<0.16	<0.16	<0.16	<0.16
n-Butylbenzene	<0.2	<10	<1.1	<0.65	<0.26	<0.13	<0.13	<0.13	<0.13	<0.13
N-Propylbenzene	<0.5	<25	<0.95	<0.65	<0.26	<0.13	<0.13	<0.13	<0.13	<0.13
p-Isopropyltoluene	<0.2	<10	<1.2	<0.85	<0.34	<0.17	<0.17	<0.17	<0.17	<0.17
sec-Butylbenzene	<0.25	<13	<0.95	<0.75	<0.3	<0.15	<0.15	<0.15	<0.15	<0.15
Styrene	<0.5	<25	<1.3	<0.5	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1
tert-Butylbenzene	<0.2	<10	<1.2	<0.7	<0.28	<0.14	<0.14	<0.14	<0.14	<0.14
Tetrachloroethene	***3,900***	***3,800***	***2,600***	***2,800***	***1,200***	***1,700***	***800***	***850***	***440***	***150***
Toluene	<0.5	<25	<0.75	<0.55	<0.22	<0.11	<0.11	<0.11	<0.11	<0.11
trans-1,2-Dichloroethene	7	<25	6.4	5.6	4.9	3.2	0.62 J	<0.25	<0.25	0.52 J
Trichloroethene	***240***	***230***	***190***	***190***	***110***	***120***	***50***	***24***	***8.7***	***9.8***
Vinyl chloride	***0.65***	<10	<0.65	<0.5	<0.2	***0.22 J***	<0.1	<0.1	<0.1	<0.1
Xylenes, Total	<0.5	<25	<1.5	<0.34	<0.14	<0.068	<0.068	<0.068	<0.068	<0.068

Footnotes on Page 18.

Table 4-3. Groundwater Analytical Results 2010-2013, Madison-Kipp Corporation, Madison, Wisconsin.

Well ID	MW-3D2 (continued)									
Sample Interval (feet bls)	76-81	76-81	76-81	76-81	76-81	76-81	76-81	76-81	76-81	76-81
Sample Date	10/1/2010	3/30/2011	4/12/2012	11/30/2012	1/16/2013	2/12/2013	3/13/2013	4/16/2013	7/16/2013	10/10/2013
PAHs (µg/L)										
1-Methylnaphthalene	NA	NA	NA	NA	<1.1	NA	NA	NA	NA	NA
2-Methylnaphthalene	NA	NA	NA	NA	<0.14	NA	NA	NA	NA	NA
Naphthalene	NA	NA	NA	NA	<0.33	NA	NA	NA	NA	NA
Total PCBs (µg/L)										
Aroclor1016	NA	NA	NA	NA	<0.17	NA	NA	NA	NA	NA
Aroclor1232	NA	NA	NA	NA	<0.093	NA	NA	NA	NA	NA
Aroclor1242	NA	NA	NA	NA	<0.13	NA	NA	NA	NA	NA
Total Detected PCBs	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA
Dissolved PCBs (µg/L)										
Aroclor1016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor1232	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor1242	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Detected PCBs	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Metals (µg/L)										
Arsenic	NA	NA	NA	0.21 J	0.19 J	0.19 J	NA	NA	NA	NA
Barium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	NA	NA	NA	4.1 J	4.1 J	***11***	NA	NA	NA	NA
Iron	NA	NA	NA	<37	<37	75 J	NA	NA	NA	NA
Lead	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	NA	NA	NA	1.6 J	17	12 B	NA	NA	NA	NA

Footnotes on Page 18.

Table 4-3. Groundwater Analytical Results 2010-2013, Madison-Kipp Corporation, Madison, Wisconsin.

Well ID	MW-3D2 (continued)									
Sample Interval (feet bls)	**76-81**	**76-81**	**76-81**	**76-81**	**76-81**	**76-81**	**76-81**	**76-81**	**76-81**	**76-81**
Sample Date	**10/1/2010**	**3/30/2011**	**4/12/2012**	**11/30/2012**	**1/16/2013**	**2/12/2013**	**3/13/2013**	**4/16/2013**	**7/16/2013**	**10/10/2013**
Total Metals (µg/L) (continued)										
Mercury	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dissolved Metals (µg/L)										
Arsenic	NA	NA	NA	0.28 J	0.15 J	0.17 J	NA	NA	NA	NA
Barium	NA	NA	NA	43	42	40	NA	NA	NA	NA
Cadmium	NA	NA	NA	<0.1	0.10 J	<0.1	NA	NA	NA	NA
Chromium	NA	NA	NA	4.0 J	4.4 J	***11***	NA	NA	NA	NA
Iron	NA	NA	NA	<37	<37	<37	NA	NA	NA	NA
Lead	NA	NA	NA	<0.16	0.16 J	<0.16	NA	NA	NA	NA
Manganese	NA	NA	NA	3	19	12 B	NA	NA	***340 B***	NA
Mercury	NA	NA	NA	<0.071	NA	<0.071	NA	NA	NA	NA
Selenium	NA	NA	NA	0.39 J	0.42 J	0.57 J	NA	NA	NA	NA
Silver	NA	NA	NA	<0.069	<0.069	<0.069	NA	NA	NA	NA

Only VOCs, PAHs, and PCBs detected in one or more water samples are listed on the table. Refer to laboratory analytical reports for a complete list of constituents analyzed.

100	Concentration exceeds the NR 140 Wis. adm. code Preventive Action Limit.
100	Concentration exceeds the NR 140 Wis. adm. code Enforcement Standard.
<	Constituent not detected above noted laboratory detection limit.
*	Data is suspect and not used in evaluation.
B	Compound was found in the blank and the sample.
bls	Below land surface.
J	Result is between the method detection limit and the limit of quantitation.
µg/L	Micrograms per liter.
NA	Not analyzed.
NE	Not established.
ND	Not detected.
PCBs	Polychlorinated Biphenyls.
PAHs	Polycyclic Aromatic Hydrocarbons.
VOCs	Volatile Organic Compounds.

Table 4-3. Groundwater Analytical Results 2010-2013, Madison-Kipp Corporation, Madison, Wisconsin.

Well ID	MW-3D3								MW-4S	
Sample Interval (feet bls)	214-224	214-224	214-224	214-224	214-224	214-224	214-224	214-224	35-50	35-50
Sample Date	7/24/2012	11/27/2012	1/18/2013	2/15/2013	3/13/2013	4/19/2013	7/16/2013	10/7/2013	4/8/2010	3/30/2011
VOCs (µg/L)										
1,1,1,2-Tetrachloroethane	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25
1,1,2-Trichloroethane	<0.28	<0.28	<0.28	<0.28	<0.28	<0.28	<0.28	<0.28	<0.25	<0.25
1,1-Dichloroethene	<0.31	<0.31	<0.31	<0.31	<0.31	<0.31	<0.31	<0.31	<0.5	<0.5
1,2,4-Trimethylbenzene	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.2	<0.2
1,2-Dibromoethane	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.2	<0.2
1,2-Dichlorobenzene	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.2	<0.2
1,2-Dichloropropane	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.5	<0.5
1,3,5-Trimethylbenzene	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.2	<0.2
Benzene	<0.074	<0.074	0.30 J	<0.074	<0.074	<0.074	<0.074	<0.074	<0.2	<0.2
Bromoform	<0.28	<0.28	<0.28	<0.28	<0.28	<0.28	<0.28	<0.28	<0.2	<0.2
Bromomethane	<0.31	<0.31	<0.31	<0.31 *	<0.31	<0.31	<0.31	<0.31	<0.5	<0.5
Carbon tetrachloride	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.8	<0.8
Chloroform	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Chloromethane	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.3	<0.3
cis-1,2-Dichloroethene	2.2	6.8	***15***	***7.7***	6.2	4	1.2	<0.12	<0.5	<0.5
Dichlorodifluoromethane	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.5	<0.5
Ethylbenzene	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.5	<0.5
Isopropylbenzene	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.2	<0.2
Methyl tert-butyl ether	<0.24	<0.24	<0.24	<0.24	<0.24	<0.24	<0.24	<0.24	<0.5	<0.5
Methylene Chloride	<0.68	<0.68	<0.68	<0.68	<0.68	<0.68	<0.68	<0.68	<1	<1
Naphthalene	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16	1.4	<0.25
n-Butylbenzene	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.2	<0.2
N-Propylbenzene	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.5	<0.5
p-Isopropyltoluene	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.2	<0.2
sec-Butylbenzene	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.25	<0.25
Styrene	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.5	<0.5
tert-Butylbenzene	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.2	<0.2
Tetrachloroethene	***6.6***	***1.7***	***1.3***	***0.72 J***	***0.95 J***	***0.63 J***	<0.17	<0.17	***1.5***	***1.6***
Toluene	<0.11	<0.11	0.21 J	<0.11	<0.11	0.53	2.8	<0.11	<0.5	<0.5
trans-1,2-Dichloroethene	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.5	<0.5
Trichloroethene	***1.1***	***1.1***	0.40 J	<0.19	<0.19	<0.19	0.31 J	0.5	<0.2	<0.2
Vinyl chloride	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.2
Xylenes, Total	<0.068	<0.068	<0.068	<0.068	<0.068	<0.068	<0.068	<0.068	<0.5	<0.5

Footnotes on Page 21.

Table 4-3. Groundwater Analytical Results 2010-2013, Madison-Kipp Corporation, Madison, Wisconsin.

Well ID	MW-3D3								MW-4S	
Sample Interval (feet bls)	214-224	214-224	214-224	214-224	214-224	214-224	214-224	214-224	35-50	35-50
Sample Date	7/24/2012	11/27/2012	1/18/2013	2/15/2013	3/13/2013	4/19/2013	7/16/2013	10/7/2013	4/8/2010	3/30/2011
PAHs (µg/L)										
1-Methylnaphthalene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Methylnaphthalene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Naphthalene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total PCBs (µg/L)										
Aroclor1016	NA	NA	<0.18	NA	NA	NA	NA	NA	NA	NA
Aroclor1232	NA	NA	<0.096	NA	NA	NA	NA	NA	NA	NA
Aroclor1242	NA	NA	<0.14	NA	NA	NA	NA	NA	NA	NA
Total Detected PCBs	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA
Dissolved PCBs (µg/L)										
Aroclor1016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor1232	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor1242	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Detected PCBs	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Metals (µg/L)										
Arsenic	NA	0.93 J	***1***	***1***	NA	NA	NA	NA	NA	NA
Barium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	NA	0.83 J	2.2 J	1.0 J	NA	NA	NA	NA	NA	NA
Iron	NA	***4,400***	***5,000***	***6,200***	NA	NA	NA	NA	NA	NA
Lead	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	NA	***870***	***670***	***690 B***	NA	NA	NA	NA	NA	NA

Footnotes on Page 21.

Table 4-3. Groundwater Analytical Results 2010-2013, Madison-Kipp Corporation, Madison, Wisconsin.

Well ID	MW-3D3								MW-4S	
Sample Interval (feet bls)	**214-224**	**214-224**	**214-224**	**214-224**	**214-224**	**214-224**	**214-224**	**214-224**	**35-50**	**35-50**
Sample Date	**7/24/2012**	**11/27/2012**	**1/18/2013**	**2/15/2013**	**3/13/2013**	**4/19/2013**	**7/16/2013**	**10/7/2013**	**4/8/2010**	**3/30/2011**
Total Metals (µg/L) (continued)										
Mercury	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dissolved Metals (µg/L)										
Arsenic	NA	0.91 J	***2***	***1***	NA	NA	NA	NA	NA	NA
Barium	NA	85	81	96	NA	NA	NA	NA	NA	NA
Cadmium	NA	<0.1	<0.1	<0.1	NA	NA	NA	NA	NA	NA
Chromium	NA	<0.64	0.81 J	<0.64	NA	NA	NA	NA	NA	NA
Iron	NA	***4,200***	***4,900***	***6,800***	NA	NA	NA	NA	NA	NA
Lead	NA	<0.16	<0.16	0.27 J B	NA	NA	NA	NA	NA	NA
Manganese	NA	***820***	***690***	***610 B***	***590***	***570***	***620 B***	NA	NA	NA
Mercury	NA	0.17 J B	<0.071	<0.071	NA	NA	NA	NA	NA	NA
Selenium	NA	<0.25	<0.25	<0.25	NA	NA	NA	NA	NA	NA
Silver	NA	<0.069	<0.069	<0.069	NA	NA	NA	NA	NA	NA

Only VOCs, PAHs, and PCBs detected in one or more water samples are listed on the table. Refer to laboratory analytical reports for a complete list of constituents analyzed.

100	Concentration exceeds the NR 140 Wis. adm. code Preventive Action Limit.
100	Concentration exceeds the NR 140 Wis. adm. code Enforcement Standard.
<	Constituent not detected above noted laboratory detection limit.
*	Data is suspect and not used in evaluation.
B	Compound was found in the blank and the sample.
bls	Below land surface.
J	Result is between the method detection limit and the limit of quantitation.
µg/L	Micrograms per liter.
NA	Not analyzed.
NE	Not established.
ND	Not detected.
PCBs	Polychlorinated Biphenyls.
PAHs	Polycyclic Aromatic Hydrocarbons.
VOCs	Volatile Organic Compounds.

Table 4-3. Groundwater Analytical Results 2010-2013, Madison-Kipp Corporation, Madison, Wisconsin.

Well ID	MW-4S (continued)					MW-4D				
Sample Interval (feet bls)	35-50	35-50	35-50	35-50	35-50	65-70	65-70	65-70	65-70	65-70
Sample Date	4/10/2012	1/15/2013	4/18/2013	7/18/2013	10/8/2013	4/8/2010	3/30/2011	4/10/2012	1/16/2013	4/18/2013
VOCs (µg/L)										
1,1,1,2-Tetrachloroethane	<0.31	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.31	<0.25	<0.25
1,1,2-Trichloroethane	<0.3	<0.28	<0.28	<0.28	<0.28	<0.25	<0.25	<0.3	<0.28	<0.28
1,1-Dichloroethene	<0.29	<0.31	<0.31	<0.31	<0.31	<0.5	<0.5	<0.29	<0.31	<0.31
1,2,4-Trimethylbenzene	<0.22	<0.14	<0.14	<0.14	<0.14	<0.2	<0.2	<0.22	<0.14	<0.14
1,2-Dibromoethane	<0.45	<0.36	<0.36	<0.36	<0.36	<0.2	<0.2	<0.45	<0.36	<0.36
1,2-Dichlorobenzene	<0.21	<0.27	<0.27	<0.27	<0.27	<0.2	<0.2	<0.21	<0.27	<0.27
1,2-Dichloropropane	<0.36	<0.2	<0.2	<0.2	<0.2	<0.5	<0.5	<0.36	<0.2	<0.2
1,3,5-Trimethylbenzene	<0.23	<0.18	<0.18	<0.18	<0.18	<0.2	<0.2	<0.23	<0.18	<0.18
Benzene	<0.12	<0.074	<0.074	<0.074	<0.074	<0.2	<0.2	<0.12	<0.074	<0.074
Bromoform	<0.45	<0.28	<0.28	<0.28	<0.28	<0.2	<0.2	<0.45	<0.28	<0.28
Bromomethane	<0.49	<0.31	<0.31	<0.31	<0.31	<0.5	<0.5	<0.49	<0.31	<0.31
Carbon tetrachloride	<0.28	<0.26	<0.26	<0.26	<0.26	<0.8	<0.8	<0.28	<0.26	<0.26
Chloroform	<0.25	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.25	<0.2	<0.2
Chloromethane	<0.24	<0.18	<0.18	<0.18	<0.18	<0.3	<0.3	<0.24	<0.18	<0.18
cis-1,2-Dichloroethene	<0.22	<0.12	<0.12	<0.12	<0.12	<0.5	<0.5	<0.22	<0.12	<0.12
Dichlorodifluoromethane	<0.26	<0.2	<0.2	<0.2	<0.2	<0.5	<0.5	<0.26	<0.2	<0.2
Ethylbenzene	<0.14	<0.13	<0.13	<0.13	<0.13	<0.5	<0.5	<0.14	<0.13	<0.13
Isopropylbenzene	<0.21	<0.14	<0.14	<0.14	<0.14	<0.2	<0.2	<0.21	<0.14	<0.14
Methyl tert-butyl ether	<0.28	<0.24	<0.24	<0.24	<0.24	<0.5	<0.5	<0.28	<0.24	<0.24
Methylene Chloride	<0.63	<0.68	<0.68	<0.68	<0.68	<1	<1	<0.63	<0.68	<0.68
Naphthalene	<0.24	<0.16	<0.16	<0.16	<0.16	<0.25	<0.25	<0.24	<0.16	<0.16
n-Butylbenzene	<0.21	<0.13	<0.13	<0.13	<0.13	<0.2	<0.2	<0.21	<0.13	<0.13
N-Propylbenzene	<0.19	<0.13	<0.13	<0.13	<0.13	<0.5	<0.5	<0.19	<0.13	<0.13
p-Isopropyltoluene	<0.24	<0.17	<0.17	<0.17	<0.17	<0.2	<0.2	<0.24	<0.17	<0.17
sec-Butylbenzene	<0.19	<0.15	<0.15	<0.15	<0.15	<0.25	<0.25	<0.19	<0.15	<0.15
Styrene	<0.26	<0.1	<0.1	<0.1	<0.1	<0.5	<0.5	<0.26	<0.1	<0.1
tert-Butylbenzene	<0.24	<0.14	<0.14	<0.14	<0.14	<0.2	<0.2	<0.24	<0.14	<0.14
Tetrachloroethene	***0.96 J***	***1.4***	***1.8***	***0.90 J***	***1.2***	***0.9***	***0.7***	<0.22	<0.17	***0.51 J***
Toluene	0.20 J	<0.11	<0.11	0.26 J	<0.11	<0.5	<0.5	<0.15	<0.11	<0.11
trans-1,2-Dichloroethene	<0.27	<0.25	<0.25	<0.25	<0.25	<0.5	<0.5	<0.27	<0.25	<0.25
Trichloroethene	<0.18	<0.19	<0.19	<0.19	<0.19	<0.2	<0.2	<0.18	<0.19	<0.19
Vinyl chloride	<0.13	<0.1	<0.1	<0.1	<0.1	<0.2	<0.2	<0.13	<0.1	<0.1
Xylenes, Total	<0.3	<0.068	<0.068	0.28 J	<0.068	<0.5	<0.5	<0.3	<0.068	<0.068

Footnotes on Page 24.

Table 4-3. Groundwater Analytical Results 2010-2013, Madison-Kipp Corporation, Madison, Wisconsin.

Well ID	MW-4S (continued)					MW-4D				
Sample Interval (feet bls)	35-50	35-50	35-50	35-50	35-50	65-70	65-70	65-70	65-70	65-70
Sample Date	4/10/2012	1/15/2013	4/18/2013	7/18/2013	10/8/2013	4/8/2010	3/30/2011	4/10/2012	1/16/2013	4/18/2013
PAHs (µg/L)										
1-Methylnaphthalene	NA	<1.1	NA	NA	NA	NA	NA	NA	<1.1	NA
2-Methylnaphthalene	NA	<0.14	NA	NA	NA	NA	NA	NA	<0.14	NA
Naphthalene	NA	<0.33	NA	NA	NA	NA	NA	NA	<0.33	NA
Total PCBs (µg/L)										
Aroclor1016	NA	<0.17	NA	NA	NA	NA	NA	NA	<0.17	NA
Aroclor1232	NA	<0.091	NA	NA	NA	NA	NA	NA	<0.093	NA
Aroclor1242	NA	<0.13	NA	NA	NA	NA	NA	NA	<0.13	NA
Total Detected PCBs	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA
Dissolved PCBs (µg/L)										
Aroclor1016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor1232	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor1242	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Detected PCBs	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Metals (µg/L)										
Arsenic	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Footnotes on Page 24.

Table 4-3. Groundwater Analytical Results 2010-2013, Madison-Kipp Corporation, Madison, Wisconsin.

Well ID	MW-4S (continued)					MW-4D				
Sample Interval (feet bls)	35-50	35-50	35-50	35-50	35-50	65-70	65-70	65-70	65-70	65-70
Sample Date	4/10/2012	1/15/2013	4/18/2013	7/18/2013	10/8/2013	4/8/2010	3/30/2011	4/10/2012	1/16/2013	4/18/2013
Total Metals (µg/L) (continued)										
Mercury	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dissolved Metals (µg/L)										
Arsenic	NA	<0.15	NA	NA	NA	NA	NA	NA	<0.15	NA
Barium	NA	120	NA	NA	NA	NA	NA	NA	56	NA
Cadmium	NA	<0.1	NA	NA	NA	NA	NA	NA	<0.1	NA
Chromium	NA	2.8 J	NA	NA	NA	NA	NA	NA	1.9 J	NA
Iron	NA	<37	NA	NA	NA	NA	NA	NA	<37	NA
Lead	NA	<0.16	NA	NA	NA	NA	NA	NA	<0.16	NA
Manganese	NA	32	NA	NA	NA	NA	NA	NA	5.5	NA
Mercury	NA	<0.071	NA	NA	NA	NA	NA	NA	<0.071	NA
Selenium	NA	6.4	NA	NA	NA	NA	NA	NA	0.86 J	NA
Silver	NA	<0.069	NA	NA	NA	NA	NA	NA	<0.069	NA

Only VOCs, PAHs, and PCBs detected in one or more water samples are listed on the table. Refer to laboratory analytical reports for a complete list of constituents analyzed.

100	Concentration exceeds the NR 140 Wis. adm. code Preventive Action Limit.
100	Concentration exceeds the NR 140 Wis. adm. code Enforcement Standard.
<	Constituent not detected above noted laboratory detection limit.
*	Data is suspect and not used in evaluation.
B	Compound was found in the blank and the sample.
bls	Below land surface.
J	Result is between the method detection limit and the limit of quantitation.
µg/L	Micrograms per liter.
NA	Not analyzed.
NE	Not established.
ND	Not detected.
PCBs	Polychlorinated Biphenyls.
PAHs	Polycyclic Aromatic Hydrocarbons.
VOCs	Volatile Organic Compounds.

Table 4-3. Groundwater Analytical Results 2010-2013, Madison-Kipp Corporation, Madison, Wisconsin.

Well ID	MW-4D (continued)		MW-4D2						MW-5S	
Sample Interval (feet bls)	65-70	65-70	91-96	91-96	91-96	91-96	91-96	91-96	34-44	34-44
Sample Date	7/17/2013	10/8/2013	3/30/2011	4/10/2012	1/16/2013	4/18/2013	7/18/2013	10/7/2013	4/7/2010	10/1/2010
VOCs (µg/L)										
1,1,1,2-Tetrachloroethane	<0.25	<0.25	<0.25	<0.31	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25
1,1,2-Trichloroethane	<0.28	<0.28	<0.25	<0.3	<0.28	<0.28	<0.28	<0.28	<0.25	<0.25
1,1-Dichloroethene	<0.31	<0.31	<0.5	<0.29	<0.31	<0.31	<0.31	<0.31	<0.5	<0.5
1,2,4-Trimethylbenzene	<0.14	<0.14	<0.2	<0.22	<0.14	<0.14	<0.14	<0.14	<0.2	<0.2
1,2-Dibromoethane	<0.36	<0.36	<0.2	<0.45	<0.36	<0.36	<0.36	<0.36	NA	NA
1,2-Dichlorobenzene	<0.27	<0.27	<0.2	<0.21	<0.27	<0.27	<0.27	<0.27	<0.2	<0.2
1,2-Dichloropropane	<0.2	<0.2	<0.5	<0.36	<0.2	<0.2	<0.2	<0.2	<0.5	<0.5
1,3,5-Trimethylbenzene	<0.18	<0.18	<0.2	<0.23	<0.18	<0.18	<0.18	<0.18	<0.2	<0.2
Benzene	<0.074	<0.074	<0.2	<0.12	<0.074	<0.074	<0.074	<0.074	<0.2	<0.2
Bromoform	<0.28	<0.28	<0.2	<0.45	<0.28	<0.28	<0.28	<0.28	<0.2	<0.2
Bromomethane	<0.31	<0.31	<0.5	<0.49	<0.31	<0.31	<0.31	<0.31	<0.5	<0.5
Carbon tetrachloride	<0.26	<0.26	<0.8	<0.28	<0.26	<0.26	<0.26	<0.26	<0.8	<0.8
Chloroform	<0.2	<0.2	<0.2	<0.25	<0.2	<0.2	<0.2	<0.2	<0.2	0.55
Chloromethane	<0.18	<0.18	<0.3	<0.24	<0.18	<0.18	<0.18	<0.18	<0.3	<0.3
cis-1,2-Dichloroethene	<0.12	<0.12	<0.5	<0.22	<0.12	<0.12	<0.12	<0.12	1.4	***10***
Dichlorodifluoromethane	<0.2	<0.2	<0.5	<0.26	<0.2	<0.2	<0.2	<0.2	<0.5	<0.5
Ethylbenzene	<0.13	<0.13	<0.5	<0.14	<0.13	<0.13	<0.13	<0.13	<0.5	<0.5
Isopropylbenzene	<0.14	<0.14	<0.2	<0.21	<0.14	<0.14	<0.14	<0.14	<0.2	<0.2
Methyl tert-butyl ether	<0.24	<0.24	<0.5	<0.28	<0.24	<0.24	<0.24	<0.24	<0.5	<0.5
Methylene Chloride	<0.68	<0.68	<1	<0.63	<0.68	<0.68	<0.68	<0.68	<1	<1
Naphthalene	<0.16	<0.16	<0.25	<0.24	<0.16	<0.16	<0.16	<0.16	1.4	<0.25
n-Butylbenzene	<0.13	<0.13	<0.2	<0.21	<0.13	<0.13	<0.13	<0.13	<0.2	<0.2
N-Propylbenzene	<0.13	<0.13	<0.5	<0.19	<0.13	<0.13	<0.13	<0.13	<0.5	<0.5
p-Isopropyltoluene	<0.17	<0.17	<0.2	<0.24	<0.17	<0.17	<0.17	<0.17	<0.2	<0.2
sec-Butylbenzene	<0.15	<0.15	<0.25	<0.19	<0.15	<0.15	<0.15	<0.15	<0.25	<0.25
Styrene	<0.1	<0.1	<0.5	<0.26	<0.1	<0.1	<0.1	<0.1	<0.5	<0.5
tert-Butylbenzene	<0.14	<0.14	<0.2	<0.24	<0.14	<0.14	<0.14	<0.14	<0.2	<0.2
Tetrachloroethene	<0.17	<0.17	***1.9***	***0.73 J***	***1.2***	***0.92 J***	***1.2***	***0.84 J***	***41***	***670***
Toluene	0.36 J	<0.11	<0.5	0.40 J	<0.11	0.45 J	0.39 J	<0.11	<0.5	<0.5
trans-1,2-Dichloroethene	<0.25	<0.25	<0.5	<0.27	<0.25	<0.25	<0.25	<0.25	<0.5	0.5
Trichloroethene	<0.19	<0.19	<0.2	<0.18	<0.19	<0.19	<0.19	<0.19	***1.0***	***13***
Vinyl chloride	<0.1	<0.1	<0.2	<0.13	<0.1	<0.1	<0.1	<0.1	<0.2	<0.2
Xylenes, Total	<0.068	<0.068	<0.5	<0.3	<0.068	<0.068	<0.068	<0.068	<0.5	<0.5

Footnotes on Page 27.

Table 4-3. Groundwater Analytical Results 2010-2013, Madison-Kipp Corporation, Madison, Wisconsin.

Well ID	MW-4D (continued)		MW-4D2						MW-5S	
Sample Interval (feet bls)	65-70	65-70	91-96	91-96	91-96	91-96	91-96	91-96	34-44	34-44
Sample Date	7/17/2013	10/8/2013	3/30/2011	4/10/2012	1/16/2013	4/18/2013	7/18/2013	10/7/2013	4/7/2010	10/1/2010
PAHs (µg/L)										
1-Methylnaphthalene	NA	NA	NA	NA	<1.1	NA	NA	NA	NA	NA
2-Methylnaphthalene	NA	NA	NA	NA	<0.15	NA	NA	NA	NA	NA
Naphthalene	NA	NA	NA	NA	<0.33	NA	NA	NA	NA	NA
Total PCBs (µg/L)										
Aroclor1016	NA	NA	NA	NA	<0.16	NA	NA	NA	NA	NA
Aroclor1232	NA	NA	NA	NA	<0.087	NA	NA	NA	NA	NA
Aroclor1242	NA	NA	NA	NA	<0.12	NA	NA	NA	NA	NA
Total Detected PCBs	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA
Dissolved PCBs (µg/L)										
Aroclor1016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor1232	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor1242	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Detected PCBs	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Metals (µg/L)										
Arsenic	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Footnotes on Page 27.

Table 4-3. Groundwater Analytical Results 2010-2013, Madison-Kipp Corporation, Madison, Wisconsin.

Well ID	MW-4D (continued)		MW-4D2						MW-5S	
Sample Interval (feet bls)	65-70	65-70	91-96	91-96	91-96	91-96	91-96	91-96	34-44	34-44
Sample Date	7/17/2013	10/8/2013	3/30/2011	4/10/2012	1/16/2013	4/18/2013	7/18/2013	10/7/2013	4/7/2010	10/1/2010
Total Metals (µg/L) (continued)										
Mercury	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dissolved Metals (µg/L)										
Arsenic	NA	NA	NA	NA	<0.15	NA	NA	NA	NA	NA
Barium	NA	NA	NA	NA	78	NA	NA	NA	NA	NA
Cadmium	NA	NA	NA	NA	<0.1	NA	NA	NA	NA	NA
Chromium	NA	NA	NA	NA	2.9 J	NA	NA	NA	NA	NA
Iron	NA	NA	NA	NA	<37	NA	NA	NA	NA	NA
Lead	NA	NA	NA	NA	<0.16	NA	NA	NA	NA	NA
Manganese	NA	NA	NA	NA	24	NA	NA	NA	NA	NA
Mercury	NA	NA	NA	NA	<0.071	NA	NA	NA	NA	NA
Selenium	NA	NA	NA	NA	2.0 J	NA	NA	NA	NA	NA
Silver	NA	NA	NA	NA	<0.069	NA	NA	NA	NA	NA

Only VOCs, PAHs, and PCBs detected in one or more water samples are listed on the table. Refer to laboratory analytical reports for a complete list of constituents analyzed.

100	Concentration exceeds the NR 140 Wis. adm. code Preventive Action Limit.
100	Concentration exceeds the NR 140 Wis. adm. code Enforcement Standard.
<	Constituent not detected above noted laboratory detection limit.
*	Data is suspect and not used in evaluation.
B	Compound was found in the blank and the sample.
bls	Below land surface.
J	Result is between the method detection limit and the limit of quantitation.
µg/L	Micrograms per liter.
NA	Not analyzed.
NE	Not established.
ND	Not detected.
PCBs	Polychlorinated Biphenyls.
PAHs	Polycyclic Aromatic Hydrocarbons.
VOCs	Volatile Organic Compounds.

Table 4-3. Groundwater Analytical Results 2010-2013, Madison-Kipp Corporation, Madison, Wisconsin.

Well ID	MW-5S (continued)							MW-5D			
Sample Interval (feet bls)	34-44	34-44	34-44	34-44	34-44	34-44	34-44	75-80	75-80	75-80	75-80
Sample Date	4/12/2012	11/28/2012	1/17/2013	2/13/2013	4/19/2013	7/18/2013	10/4/2013	4/7/2010	4/12/2012	11/28/2012	1/17/2013
VOCs (µg/L)											
1,1,1,2-Tetrachloroethane	<0.31	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<5	<0.31	<1.3	<0.5
1,1,2-Trichloroethane	<0.3	<0.28	<0.28	<0.28	<0.28	<0.28	<0.28	<5	<0.3	<1.4	<0.56
1,1-Dichloroethene	<0.29	<0.31	<0.31	<0.31	<0.31	<0.31	<0.31	<10	<0.29	<1.6	<0.62
1,2,4-Trimethylbenzene	<0.22	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<4	<0.22	<0.7	<0.28
1,2-Dibromoethane	<0.45	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	NA	<0.45	<1.8	<0.72
1,2-Dichlorobenzene	<0.21	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<4	<0.21	<1.4	<0.54
1,2-Dichloropropane	<0.36	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<10	<0.36	<1	<0.4
1,3,5-Trimethylbenzene	<0.23	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<4	<0.23	<0.9	<0.36
Benzene	<0.12	<0.074	<0.074	<0.074	<0.074	<0.074	<0.074	<4	0.29 J	***1.1 J***	***1.2***
Bromoform	<0.45	<0.28	<0.28	<0.28	<0.28	<0.28	<0.28	<4	<0.45	<1.4	<0.56
Bromomethane	<0.49	<0.31	0.73 J	<0.31 *	<0.31	<0.31	<0.31	<10	<0.49	<1.6	<0.62
Carbon tetrachloride	***1.2***	***1.1***	<0.26	***1.4***	***1.1***	***1.3***	***1.3***	<16	<0.28	<1.3	<0.52
Chloroform	***0.84 J***	***0.79 J***	***0.79 J***	<0.2	<0.2	<0.2	***0.61 J***	<4	<0.25	<1	***1.0 J***
Chloromethane	<0.24	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<6	<0.24	<0.9	<0.36
cis-1,2-Dichloroethene	***13***	4.2	3.8	2.7	2	2.9	2.9	***48***	***26***	***93***	***110***
Dichlorodifluoromethane	<0.26	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<10	<0.26	<1	<0.4
Ethylbenzene	<0.14	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<10	<0.14	<0.65	<0.26
Isopropylbenzene	<0.21	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<4	<0.21	<0.7	<0.28
Methyl tert-butyl ether	<0.28	<0.24	<0.24	<0.24	<0.24	<0.24	<0.24	<10	<0.28	<1.2	<0.48
Methylene Chloride	<0.63	<0.68	<0.68	<0.68	<0.68	<0.68	<0.68	<20	<0.63	<3.4	<1.4
Naphthalene	<0.24	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16	<5	<0.24	<0.8	<0.32
n-Butylbenzene	<0.21	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<4	<0.21	<0.65	<0.26
N-Propylbenzene	<0.19	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<10	<0.19	<0.65	<0.26
p-Isopropyltoluene	<0.24	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<4	<0.24	<0.85	<0.34
sec-Butylbenzene	<0.19	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<5	<0.19	<0.75	<0.3
Styrene	<0.26	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<10	<0.26	<0.5	<0.2
tert-Butylbenzene	<0.24	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<4	<0.24	<0.7	<0.28
Tetrachloroethene	***360***	***240***	***260***	***210***	***130***	***190***	***170***	***1,100***	***400***	***2,000***	***1,800***
Toluene	<0.15	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<10	0.30 J	<0.55	<0.22
trans-1,2-Dichloroethene	<0.27	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<10	1.3	3.9 J	3.9
Trichloroethene	***10***	***4.7***	***4.4***	***3.8***	***2.8***	***3***	***2.9***	***100***	***48***	***190***	***180***
Vinyl chloride	<0.13	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<4	<0.13	<0.5	<0.2
Xylenes, Total	<0.3	<0.068	<0.068	<0.068	<0.068	<0.068	<0.068	<10	<0.3	<0.34	<0.14

Footnotes on Page 30.

Table 4-3. Groundwater Analytical Results 2010-2013, Madison-Kipp Corporation, Madison, Wisconsin.

Well ID	MW-5S (continued)							MW-5D			
Sample Interval (feet bls)	34-44	34-44	34-44	34-44	34-44	34-44	34-44	75-80	75-80	75-80	75-80
Sample Date	4/12/2012	11/28/2012	1/17/2013	2/13/2013	4/19/2013	7/18/2013	10/4/2013	4/7/2010	4/12/2012	11/28/2012	1/17/2013
PAHs (µg/L)											
1-Methylnaphthalene	NA	NA	<1.1	NA	NA	NA	NA	NA	NA	NA	<1.1
2-Methylnaphthalene	NA	NA	<0.14	NA	NA	NA	NA	NA	NA	NA	<0.14
Naphthalene	NA	NA	<0.32	NA	NA	NA	NA	NA	NA	NA	<0.32
Total PCBs (µg/L)											
Aroclor1016	NA	NA	<0.17	NA	NA	NA	NA	NA	NA	NA	<0.17
Aroclor1232	NA	NA	<0.091	NA	NA	NA	NA	NA	NA	NA	<0.094
Aroclor1242	NA	NA	<0.13	NA	NA	NA	NA	NA	NA	NA	<0.13
Total Detected PCBs	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	ND
Dissolved PCBs (µg/L)											
Aroclor1016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor1232	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor1242	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Detected PCBs	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Metals (µg/L)											
Arsenic	NA	0.36 J	0.28 J	0.30 J	NA	NA	NA	NA	NA	0.25 J	0.15 J
Barium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	NA	4.3 J	3.8 J	3.5 J	NA	NA	NA	NA	NA	***33***	***20***
Iron	NA	***310***	75 J	150	NA	NA	NA	NA	NA	***220***	<37
Lead	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	NA	48	5.3 B	14 B	NA	NA	NA	NA	NA	20	9.4 B

Footnotes on Page 30.

Table 4-3. Groundwater Analytical Results 2010-2013, Madison-Kipp Corporation, Madison, Wisconsin.

Well ID	MW-5S (continued)							MW-5D			
Sample Interval (feet bls)	34-44	34-44	34-44	34-44	34-44	34-44	34-44	75-80	75-80	75-80	75-80
Sample Date	4/12/2012	11/28/2012	1/17/2013	2/13/2013	4/19/2013	7/18/2013	10/4/2013	4/7/2010	4/12/2012	11/28/2012	1/17/2013
Total Metals (µg/L) (continued)											
Mercury	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dissolved Metals (µg/L)											
Arsenic	NA	0.24 J	0.26 J	0.25 J	NA	NA	NA	NA	NA	<0.15	0.15 J
Barium	NA	96	97	92	NA	NA	NA	NA	NA	24	24
Cadmium	NA	<0.1	<0.1	<0.1	NA	NA	NA	NA	NA	<0.1	<0.1
Chromium	NA	3.8 J	3.8 J	2.9 J	NA	NA	NA	NA	NA	***22***	***21***
Iron	NA	<37	<37	<37	NA	NA	NA	NA	NA	<37	<37
Lead	NA	<0.16	0.20 J	0.36 J B	NA	NA	NA	NA	NA	<0.16	<0.16
Manganese	NA	8.8	0.86 J B	6.4 B	NA	NA	NA	NA	NA	10	10 B
Mercury	NA	0.17 J B	<0.071	<0.071	NA	NA	NA	NA	NA	***0.22 B***	<0.071
Selenium	NA	<0.25	<0.25	<0.25	NA	NA	NA	NA	NA	<0.25	<0.25
Silver	NA	<0.069	<0.069	<0.069	NA	NA	NA	NA	NA	<0.069	<0.069

Only VOCs, PAHs, and PCBs detected in one or more water samples are listed on the table. Refer to laboratory analytical reports for a complete list of constituents analyzed.

100	Concentration exceeds the NR 140 Wis. adm. code Preventive Action Limit.
100	Concentration exceeds the NR 140 Wis. adm. code Enforcement Standard.
<	Constituent not detected above noted laboratory detection limit.
*	Data is suspect and not used in evaluation.
B	Compound was found in the blank and the sample.
bls	Below land surface.
J	Result is between the method detection limit and the limit of quantitation.
µg/L	Micrograms per liter.
NA	Not analyzed.
NE	Not established.
ND	Not detected.
PCBs	Polychlorinated Biphenyls.
PAHs	Polycyclic Aromatic Hydrocarbons.
VOCs	Volatile Organic Compounds.

Table 4-3. Groundwater Analytical Results 2010-2013, Madison-Kipp Corporation, Madison, Wisconsin.

Well ID	MW-5D (continued)				MW-5D2					MW-5D3
Sample Interval (feet bls)	75-80	75-80	75-80	75-80	165.8-170.8	165.8-170.8	165.8-170.8	165.8-170.8	165.8-170.8	225-235
Sample Date	2/13/2013	4/19/2013	7/18/2013	10/4/2013	1/17/2013	2/13/2013	4/19/2013	7/18/2013	10/9/2013	11/28/2012
VOCs (µg/L)										
1,1,1,2-Tetrachloroethane	<0.5	<0.5	<1.3	<1.3	<0.25	<0.25	<0.25	<0.5	<0.25	<0.25
1,1,2-Trichloroethane	<0.56	<0.56	<1.4	<1.4	<0.28	<0.28	<0.28	<0.56	<0.28	<0.28
1,1-Dichloroethene	<0.62	<0.62	<1.6	<1.6	<0.31	<0.31	<0.31	<0.62	<0.31	<0.31
1,2,4-Trimethylbenzene	<0.28	<0.28	<0.7	<0.7	<0.14	<0.14	<0.14	<0.28	<0.14	<0.14
1,2-Dibromoethane	<0.72	<0.72	<1.8	<1.8	<0.36	<0.36	<0.36	<0.72	<0.36	<0.36
1,2-Dichlorobenzene	<0.54	<0.54	<1.4	<1.4	<0.27	<0.27	<0.27	<0.54	<0.27	<0.27
1,2-Dichloropropane	<0.4	<0.4	<1	<1	<0.2	<0.2	<0.2	<0.4	<0.2	<0.2
1,3,5-Trimethylbenzene	<0.36	<0.36	<0.9	<0.9	<0.18	<0.18	<0.18	<0.36	<0.18	<0.18
Benzene	***1***	***0.88 J***	***1.5 J***	***2.8***	<0.074	<0.074	<0.074	<0.15	<0.074	<0.074
Bromoform	<0.56	<0.56	<1.4	<1.4	<0.28	<0.28	<0.28	<0.56	<0.28	<0.28
Bromomethane	<0.62 *	<0.62	<1.6	<1.6	<0.31	<0.31 *	<0.31	<0.62	<0.31	<0.31
Carbon tetrachloride	<0.52	<0.52	<1.3	<1.3	<0.26	<0.26	<0.26	<0.52	<0.26	<0.26
Chloroform	<0.4	<0.4	<1	<1	<0.2	<0.2	<0.2	<0.4	<0.2	<0.2
Chloromethane	<0.36	<0.36	<0.9	<0.9	<0.18	<0.18	<0.18	<0.36	<0.18	<0.18
cis-1,2-Dichloroethene	***94***	***100***	***120***	***140***	6.6	***9.2***	4.7	3.6	1.5	3.1
Dichlorodifluoromethane	<0.4	<0.4	<1	<1	<0.2	<0.2	<0.2	<0.4	<0.2	<0.2
Ethylbenzene	<0.26	<0.26	<0.65	<0.65	<0.13	<0.13	<0.13	<0.26	<0.13	<0.13
Isopropylbenzene	<0.28	<0.28	<0.7	<0.7	<0.14	<0.14	<0.14	<0.28	<0.14	<0.14
Methyl tert-butyl ether	<0.48	<0.48	<1.2	<1.2	<0.24	<0.24	<0.24	<0.48	<0.24	<0.24
Methylene Chloride	<1.4	<1.4	<3.4	<3.4	<0.68	<0.68	<0.68	<1.4	***5.7***	<0.68
Naphthalene	<0.32	<0.32	<0.8	<0.8	<0.16	<0.16	<0.16	<0.32	<0.16	<0.16
n-Butylbenzene	<0.26	<0.26	<0.65	<0.65	<0.13	<0.13	<0.13	<0.26	<0.13	<0.13
N-Propylbenzene	<0.26	<0.26	<0.65	<0.65	<0.13	<0.13	<0.13	<0.26	<0.13	<0.13
p-Isopropyltoluene	<0.34	<0.34	<0.85	<0.85	<0.17	<0.17	<0.17	<0.34	<0.17	<0.17
sec-Butylbenzene	<0.3	<0.3	<0.75	<0.75	<0.15	<0.15	<0.15	<0.3	<0.15	<0.15
Styrene	<0.2	<0.2	<0.5	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1
tert-Butylbenzene	<0.28	<0.28	<0.7	<0.7	<0.14	<0.14	<0.14	<0.28	<0.14	<0.14
Tetrachloroethene	***1,700***	***1,200***	***2,000***	***2,000***	***650***	***650***	***640***	***710***	***110***	***19***
Toluene	<0.22	<0.22	<0.55	<0.55	0.7	0.22 J	0.35 J	2.4	0.43 J	<0.11
trans-1,2-Dichloroethene	3.1	3.4	3.8 J	2.9 J	<0.25	<0.25	<0.25	<0.5	<0.25	<0.25
Trichloroethene	***180***	***170***	***160***	***110***	***9.5***	***8.4***	***7.4***	***8.1***	***6.1***	***2.6***
Vinyl chloride	<0.2	<0.2	<0.5	<0.5	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1
Xylenes, Total	<0.14	<0.14	<0.34	<0.34	<0.068	<0.068	<0.068	<0.14	<0.068	<0.068

Footnotes on Page 33.

Table 4-3. Groundwater Analytical Results 2010-2013, Madison-Kipp Corporation, Madison, Wisconsin.

Well ID	MW-5D (continued)				MW-5D2					MW-5D3
Sample Interval (feet bls)	75-80	75-80	75-80	75-80	165.8-170.8	165.8-170.8	165.8-170.8	165.8-170.8	165.8-170.8	225-235
Sample Date	2/13/2013	4/19/2013	7/18/2013	10/4/2013	1/17/2013	2/13/2013	4/19/2013	7/18/2013	10/9/2013	11/28/2012
PAHs (µg/L)										
1-Methylnaphthalene	NA	NA	NA	NA	<1.1	NA	NA	NA	NA	NA
2-Methylnaphthalene	NA	NA	NA	NA	<0.15	NA	NA	NA	NA	NA
Naphthalene	NA	NA	NA	NA	<0.34	NA	NA	NA	NA	NA
Total PCBs (µg/L)										
Aroclor1016	NA	NA	NA	NA	<0.19	NA	NA	NA	NA	NA
Aroclor1232	NA	NA	NA	NA	<0.1	NA	NA	NA	NA	NA
Aroclor1242	NA	NA	NA	NA	<0.14	NA	NA	NA	NA	NA
Total Detected PCBs	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA
Dissolved PCBs (µg/L)										
Aroclor1016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor1232	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor1242	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Detected PCBs	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Metals (µg/L)										
Arsenic	0.18 J	NA	NA	NA	0.18 J	0.16 J	NA	NA	NA	0.61 J
Barium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	***22***	NA	NA	NA	6.5	4.7 J	NA	NA	NA	1.3 J
Iron	<37	NA	NA	NA	***250***	89 J	NA	NA	NA	***840***
Lead	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	10 B	NA	NA	NA	34 B	52 B	NA	NA	NA	***400***

Footnotes on Page 33.

Table 4-3. Groundwater Analytical Results 2010-2013, Madison-Kipp Corporation, Madison, Wisconsin.

Well ID	MW-5D (continued)				MW-5D2					MW-5D3
Sample Interval (feet bls)	75-80	75-80	75-80	75-80	165.8-170.8	165.8-170.8	165.8-170.8	165.8-170.8	165.8-170.8	225-235
Sample Date	2/13/2013	4/19/2013	7/18/2013	10/4/2013	1/17/2013	2/13/2013	4/19/2013	7/18/2013	10/9/2013	11/28/2012
Total Metals (µg/L) (continued)										
Mercury	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dissolved Metals (µg/L)										
Arsenic	0.22 J	NA	NA	NA	<0.15	0.16 J	NA	NA	NA	0.30 J
Barium	24	NA	NA	NA	22	23	NA	NA	NA	70
Cadmium	<0.1	NA	NA	NA	<0.1	<0.1	NA	NA	NA	<0.1
Chromium	***22***	NA	NA	NA	5.1	4.8 J	NA	NA	NA	1.1 J
Iron	<37	NA	NA	NA	<37	66 J	NA	NA	NA	***850***
Lead	0.73 B	NA	NA	NA	<0.16	0.37 J B	NA	NA	NA	<0.16
Manganese	12 B	NA	NA	NA	29 B	49 B	NA	NA	NA	***430***
Mercury	0.078 J	NA	NA	NA	<0.071	<0.071	NA	NA	NA	0.17 J B
Selenium	<0.25	NA	NA	NA	1.6 J	1.3 J	NA	NA	NA	<0.25
Silver	<0.069	NA	NA	NA	<0.069	<0.069	NA	NA	NA	<0.069

Only VOCs, PAHs, and PCBs detected in one or more water samples are listed on the table. Refer to laboratory analytical reports for a complete list of constituents analyzed.

100	Concentration exceeds the NR 140 Wis. adm. code Preventive Action Limit.
100	Concentration exceeds the NR 140 Wis. adm. code Enforcement Standard.
<	Constituent not detected above noted laboratory detection limit.
*	Data is suspect and not used in evaluation.
B	Compound was found in the blank and the sample.
bls	Below land surface.
J	Result is between the method detection limit and the limit of quantitation.
µg/L	Micrograms per liter.
NA	Not analyzed.
NE	Not established.
ND	Not detected.
PCBs	Polychlorinated Biphenyls.
PAHs	Polycyclic Aromatic Hydrocarbons.
VOCs	Volatile Organic Compounds.

Table 4-3. Groundwater Analytical Results 2010-2013, Madison-Kipp Corporation, Madison, Wisconsin.

Well ID	MW-5D3 (continued)					MW-6S				
Sample Interval (feet bls)	225-235	225-235	225-235	225-235	225-235	31.4-41.4	31.4-41.4	31.4-41.4	31.4-41.4	31.4-41.4
Sample Date	1/18/2013	2/13/2013	4/21/2013	7/17/2013	10/7/2013	12/31/2009	4/7/2010	7/1/2010	10/1/2010	12/28/2010
VOCs (µg/L)										
1,1,1,2-Tetrachloroethane	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25
1,1,2-Trichloroethane	<0.28	<0.28	<0.28	<0.28	<0.28	<0.25	<0.25	<0.25	<0.25	<0.25
1,1-Dichloroethene	<0.31	<0.31	<0.31	<0.31	<0.31	<0.5	<0.5	<0.5	<0.5	<0.5
1,2,4-Trimethylbenzene	<0.14	<0.14	<0.14	<0.14	<0.14	4.3	3.3	1.3	2.2	3.2
1,2-Dibromoethane	<0.36	<0.36	<0.36	<0.36	<0.36	<0.2	<0.2	<0.2	<0.2	<0.2
1,2-Dichlorobenzene	<0.27	<0.27	<0.27	<0.27	<0.27	<0.2	<0.2	<0.2	<0.2	<0.2
1,2-Dichloropropane	<0.2	<0.2	<0.2	<0.2	<0.2	<0.5	<0.5	<0.5	<0.5	<0.5
1,3,5-Trimethylbenzene	<0.18	<0.18	<0.18	<0.18	<0.18	0.92	7.3	0.27	4.6	0
Benzene	0.28 J	<0.074	<0.074	<0.074	<0.074	***7.6***	***7.9***	***5***	***5.3***	***5***
Bromoform	<0.28	<0.28	<0.28	<0.28	<0.28	<0.2	<0.2	<0.2	<0.2	<0.2
Bromomethane	<0.31	<0.31 *	<0.31	<0.31	<0.31	<0.5	<0.5	<0.5	<0.5	<0.5
Carbon tetrachloride	<0.26	<0.26	<0.26	<0.26	<0.26	<0.8	<0.8	<0.8	<0.8	<0.8
Chloroform	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Chloromethane	<0.18	<0.18	<0.18	<0.18	<0.18	<0.3	<0.3	<0.3	<0.3	<0.3
cis-1,2-Dichloroethene	***12***	***12***	1.6	2.1	4.5	<0.5	<0.5	<0.5	<0.5	<0.5
Dichlorodifluoromethane	<0.2	<0.2	<0.2	<0.2	<0.2	<0.5	<0.5	<0.5	<0.5	<0.5
Ethylbenzene	<0.13	<0.13	<0.13	0.32 J	<0.13	23	14	6	13	15
Isopropylbenzene	<0.14	<0.14	<0.14	<0.14	<0.14	12	9.4	5.3	7.5	6.4
Methyl tert-butyl ether	<0.24	<0.24	<0.24	<0.24	<0.24	<0.5	<0.5	<0.5	<0.5	<0.5
Methylene Chloride	<0.68	<0.68	<0.68	<0.68	<0.68	<1	<1	<1	<1	<1
Naphthalene	<0.16	<0.16	<0.16	<0.16	<0.16	***26***	***14***	6.4	10	***16***
n-Butylbenzene	<0.13	<0.13	<0.13	<0.13	<0.13	1.6	1.6	0.92	1.2	0.86
N-Propylbenzene	<0.13	<0.13	<0.13	<0.13	<0.13	4.9	3.7	1.9	3.3	3.0
p-Isopropyltoluene	<0.17	<0.17	<0.17	<0.17	<0.17	1.7	1.6	0.7	1.1	0.8
sec-Butylbenzene	<0.15	<0.15	<0.15	<0.15	<0.15	1.9	1.8	1.5	1.5	1.0
Styrene	<0.1	<0.1	<0.1	<0.1	<0.1	0.53	0.51	<0.5	<0.5	1.1
tert-Butylbenzene	<0.14	<0.14	<0.14	<0.14	<0.14	0.27	0.31	0.22	0.24	<0.2
Tetrachloroethene	***0.59 J***	***0.83 J***	***1.8***	***0.78 J***	***1.5***	<0.5	<0.5	<0.5	<0.5	<0.5
Toluene	<0.11	<0.11	0.29 J	0.53	0.20 J	3.3	3.3	1.2	1.8	2
trans-1,2-Dichloroethene	<0.25	<0.25	<0.25	<0.25	<0.25	<0.5	<0.5	<0.5	<0.5	<0.5
Trichloroethene	<0.19	<0.19	<0.19	<0.19	0.29 J	<0.2	<0.2	<0.2	<0.2	<0.2
Vinyl chloride	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.2	<0.2	<0.2	<0.2
Xylenes, Total	<0.068	<0.068	<0.068	0.68 J	<0.068	10	8.2	2.6	4.5	6.4

Footnotes on Page 36.

Table 4-3. Groundwater Analytical Results 2010-2013, Madison-Kipp Corporation, Madison, Wisconsin.

Well ID	MW-5D3 (continued)					MW-6S				
Sample Interval (feet bls)	225-235	225-235	225-235	225-235	225-235	31.4-41.4	31.4-41.4	31.4-41.4	31.4-41.4	31.4-41.4
Sample Date	1/18/2013	2/13/2013	4/21/2013	7/17/2013	10/7/2013	12/31/2009	4/7/2010	7/1/2010	10/1/2010	12/28/2010
PAHs (µg/L)										
1-Methylnaphthalene	<1.1	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Methylnaphthalene	<0.15	NA	NA	NA	NA	NA	NA	NA	NA	NA
Naphthalene	<0.34	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total PCBs (µg/L)										
Aroclor1016	<0.16	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor1232	<0.09	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor1242	<0.13	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Detected PCBs	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dissolved PCBs (µg/L)										
Aroclor1016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor1232	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor1242	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Detected PCBs	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Metals (µg/L)										
Arsenic	***1.1***	0.66 J	NA	NA	NA	NA	NA	NA	NA	NA
Barium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	1.2 J	2.4 J	NA	NA	NA	NA	NA	NA	NA	NA
Iron	***1,000***	***1,300***	NA	NA	NA	NA	NA	NA	NA	NA
Lead	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	***570***	***620 B***	NA	NA	NA	NA	NA	NA	NA	NA

Footnotes on Page 36.

Table 4-3. Groundwater Analytical Results 2010-2013, Madison-Kipp Corporation, Madison, Wisconsin.

Well ID	MW-5D3 (continued)					MW-6S				
Sample Interval (feet bls)	**225-235**	**225-235**	**225-235**	**225-235**	**225-235**	**31.4-41.4**	**31.4-41.4**	**31.4-41.4**	**31.4-41.4**	**31.4-41.4**
Sample Date	**1/18/2013**	**2/13/2013**	**4/21/2013**	**7/17/2013**	**10/7/2013**	**12/31/2009**	**4/7/2010**	**7/1/2010**	**10/1/2010**	**12/28/2010**
Total Metals (µg/L) (continued)										
Mercury	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dissolved Metals (µg/L)										
Arsenic	0.61 J	0.63 J	NA	NA	NA	NA	NA	NA	NA	NA
Barium	68	61	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	<0.1	<0.1	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	<0.64	0.85 J	NA	NA	NA	NA	NA	NA	NA	NA
Iron	***970***	***1,100***	NA	NA	NA	NA	NA	NA	NA	NA
Lead	<0.16	0.39 J B	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	***560***	***600 B***	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	<0.071	<0.071	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	<0.25	<0.25	NA	NA	NA	NA	NA	NA	NA	NA
Silver	<0.069	<0.069	NA	NA	NA	NA	NA	NA	NA	NA

Only VOCs, PAHs, and PCBs detected in one or more water samples are listed on the table. Refer to laboratory analytical reports for a complete list of constituents analyzed.

100	Concentration exceeds the NR 140 Wis. adm. code Preventive Action Limit.
100	Concentration exceeds the NR 140 Wis. adm. code Enforcement Standard.
<	Constituent not detected above noted laboratory detection limit.
*	Data is suspect and not used in evaluation.
B	Compound was found in the blank and the sample.
bls	Below land surface.
J	Result is between the method detection limit and the limit of quantitation.
µg/L	Micrograms per liter.
NA	Not analyzed.
NE	Not established.
ND	Not detected.
PCBs	Polychlorinated Biphenyls.
PAHs	Polycyclic Aromatic Hydrocarbons.
VOCs	Volatile Organic Compounds.

Table 4-3. Groundwater Analytical Results 2010-2013, Madison-Kipp Corporation, Madison, Wisconsin.

Well ID	MW-6S (continued)					MW-6D				
Sample Interval (feet bls)	31.4-41.4	31.4-41.4	31.4-41.4	31.4-41.4	31.4-41.4	65.5-70.5	65.5-70.5	65.5-70.5	65.5-70.5	65.5-70.5
Sample Date	4/11/2012	1/17/2013	4/20/2013	7/18/2013	10/7/2013	12/31/2009	4/7/2010	7/1/2010	10/1/2010	12/28/2010
VOCs (µg/L)										
1,1,1,2-Tetrachloroethane	<0.31	<0.25	<0.25	<0.25	<0.25	<13	<20	<13	<0.25	<2.5
1,1,2-Trichloroethane	<0.3	<0.28	<0.28	<0.28	<0.28	<13	<20	<13	<0.25	<2.5
1,1-Dichloroethene	<0.29	<0.31	<0.31	<0.31	<0.31	<25	<40	<25	<0.5	<5
1,2,4-Trimethylbenzene	4.8	12	0.92 J	<0.14	1.4	***330***	***130***	***130***	***160***	***180***
1,2-Dibromoethane	<0.45	<0.36	<0.36	<0.36	<0.36	***15***	<16	<10	***11***	***10***
1,2-Dichlorobenzene	<0.21	<0.27	<0.27	<0.27	<0.27	<10	<16	<10	<0.2	<2
1,2-Dichloropropane	<0.36	<0.2	<0.2	<0.2	<0.2	<25	<40	<25	***7.2***	***6***
1,3,5-Trimethylbenzene	1.5	3.4	<0.18	<0.18	<0.18	23	<16	<10	13	13
Benzene	***4.1***	***9.3***	***1.9***	0.34 J	***2.6***	***3,900***	***3,200***	***2,900***	<0.2	***2,900***
Bromoform	<0.45	<0.28	<0.28	<0.28	<0.28	<10	<16	<10	<0.2	<2
Bromomethane	<0.49	<0.31	<0.31	<0.31	<0.31	<25	<40	<25	<0.5	<5
Carbon tetrachloride	<0.28	<0.26	<0.26	<0.26	<0.26	<40	<64	<40	<0.8	<8
Chloroform	<0.25	<0.2	<0.2	<0.2	<0.2	<10	<16	<10	<0.2	<2
Chloromethane	<0.24	<0.18	<0.18	<0.18	<0.18	<15	<24	<15	<0.3	<3
cis-1,2-Dichloroethene	<0.22	<0.12	<0.12	<0.12	<0.12	<25	<40	<25	1.4	<5
Dichlorodifluoromethane	<0.26	<0.2	<0.2	<0.2	<0.2	<25	<40	<25	<0.5	<5
Ethylbenzene	9.8	40	0.18 J	<0.13	8	47	<40	26	39	35
Isopropylbenzene	4.1	12	<0.14	<0.14	3.2	54	43	32	45	40
Methyl tert-butyl ether	<0.28	<0.24	<0.24	<0.24	<0.24	<25	<40	<25	<0.5	<5
Methylene Chloride	***8.3***	<0.68	<0.68	<0.68	<0.68	<50	<80	<50	<1	<10
Naphthalene	***19***	***43***	<0.16	<0.16	3.8	***380***	***280***	***370***	***370***	***360***
n-Butylbenzene	<0.21	<0.13	<0.13	<0.13	<0.13	12	<16	<10	10	7.9
N-Propylbenzene	1.8	6.8	<0.13	<0.13	1.3	49	<40	27	36	31
p-Isopropyltoluene	<0.24	2.4	<0.17	<0.17	<0.17	<10	<16	<10	6.5	5.1
sec-Butylbenzene	0.56 J	1.8	<0.15	<0.15	<0.15	<13	<20	<13	4.7	4.2
Styrene	<0.26	0.64 J	<0.1	<0.1	<0.1	<25	<40	<25	3.5	***12***
tert-Butylbenzene	<0.24	<0.14	<0.14	<0.14	<0.14	<10	<16	<10	<0.2	<2
Tetrachloroethene	<0.22	<0.17	***0.53 J***	<0.17	<0.17	***36***	***45***	***27***	***30***	***26***
Toluene	2.5	6.3	0.8	<0.11	1.1	130	100	88	120	120
trans-1,2-Dichloroethene	<0.27	<0.25	<0.25	<0.25	<0.25	<25	<40	<25	<0.5	<5
Trichloroethene	<0.18	<0.19	<0.19	<0.19	<0.19	<10	<16	<10	***4.5***	***4.5***
Vinyl chloride	<0.13	<0.1	<0.1	<0.1	<0.1	<10	<16	<10	<0.2	<2
Xylenes, Total	7.8	25	1.8	<0.068	3.3	***630***	320	250	***450***	400

Footnotes on Page 39.

Table 4-3. Groundwater Analytical Results 2010-2013, Madison-Kipp Corporation, Madison, Wisconsin.

Well ID	MW-6S (continued)					MW-6D				
Sample Interval (feet bls)	31.4-41.4	31.4-41.4	31.4-41.4	31.4-41.4	31.4-41.4	65.5-70.5	65.5-70.5	65.5-70.5	65.5-70.5	65.5-70.5
Sample Date	4/11/2012	1/17/2013	4/20/2013	7/18/2013	10/7/2013	12/31/2009	4/7/2010	7/1/2010	10/1/2010	12/28/2010
PAHs (µg/L)										
1-Methylnaphthalene	NA	3.3	NA	NA	NA	NA	NA	NA	NA	NA
2-Methylnaphthalene	NA	1	NA	NA	NA	NA	NA	NA	NA	NA
Naphthalene	NA	***39***	NA	NA	NA	NA	NA	NA	NA	NA
Total PCBs (µg/L)										
Aroclor1016	NA	<0.17	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor1232	NA	<0.094	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor1242	NA	<0.13	NA	NA	NA	NA	NA	NA	NA	NA
Total Detected PCBs	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA
Dissolved PCBs (µg/L)										
Aroclor1016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor1232	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor1242	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Detected PCBs	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Metals (µg/L)										
Arsenic	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Footnotes on Page 39.

Table 4-3. Groundwater Analytical Results 2010-2013, Madison-Kipp Corporation, Madison, Wisconsin.

Well ID	MW-6S (continued)					MW-6D				
Sample Interval (feet bls)	**31.4-41.4**	**31.4-41.4**	**31.4-41.4**	**31.4-41.4**	**31.4-41.4**	**65.5-70.5**	**65.5-70.5**	**65.5-70.5**	**65.5-70.5**	**65.5-70.5**
Sample Date	**4/11/2012**	**1/17/2013**	**4/20/2013**	**7/18/2013**	**10/7/2013**	**12/31/2009**	**4/7/2010**	**7/1/2010**	**10/1/2010**	**12/28/2010**
Total Metals (µg/L) (continued)										
Mercury	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dissolved Metals (µg/L)										
Arsenic	NA	***4.3***	NA	NA	NA	NA	NA	NA	NA	NA
Barium	NA	250	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	NA	<0.1	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	NA	<0.64	NA	NA	NA	NA	NA	NA	NA	NA
Iron	NA	***4,100***	NA	NA	NA	NA	NA	NA	NA	NA
Lead	NA	<0.16	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	NA	***1,800***	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	NA	<0.071	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	NA	1.5 J	NA	NA	NA	NA	NA	NA	NA	NA
Silver	NA	<0.069	NA	NA	NA	NA	NA	NA	NA	NA

Only VOCs, PAHs, and PCBs detected in one or more water samples are listed on the table. Refer to laboratory analytical reports for a complete list of constituents analyzed.

100	Concentration exceeds the NR 140 Wis. adm. code Preventive Action Limit.
100	Concentration exceeds the NR 140 Wis. adm. code Enforcement Standard.
<	Constituent not detected above noted laboratory detection limit.
*	Data is suspect and not used in evaluation.
B	Compound was found in the blank and the sample.
bls	Below land surface.
J	Result is between the method detection limit and the limit of quantitation.
µg/L	Micrograms per liter.
NA	Not analyzed.
NE	Not established.
ND	Not detected.
PCBs	Polychlorinated Biphenyls.
PAHs	Polycyclic Aromatic Hydrocarbons.
VOCs	Volatile Organic Compounds.

Table 4-3. Groundwater Analytical Results 2010-2013, Madison-Kipp Corporation, Madison, Wisconsin.

Well ID	MW-6D (continued)						MW-7			
Sample Interval (feet bls)	65.5-70.5	65.5-70.5	65.5-70.5	65.5-70.5	65.5-70.5	65.5-70.5	24-35	24-35	24-35	24-35
Sample Date	3/31/2011	4/12/2012	1/16/2013	4/20/2013	7/18/2013	10/7/2013	8/26/2011	4/10/2012	1/14/2013	4/16/2013
VOCs (µg/L)										
1,1,1,2-Tetrachloroethane	<10	<0.62	<0.5	<0.5	<0.5	<0.25	<0.25	<0.31	<0.25	<0.25
1,1,2-Trichloroethane	<10	<0.6	<0.56	<0.56	<0.56	<0.28	<0.25	<0.3	<0.28	<0.28
1,1-Dichloroethene	<20	<0.58	<0.62	<0.62	<0.62	<0.31	<0.5	<0.29	<0.31	<0.31
1,2,4-Trimethylbenzene	74	19	23	11	16	41	<0.2	<0.22	<0.14	<0.14
1,2-Dibromoethane	<8	<0.9	<0.72	<0.72	<0.72	<0.36	<0.2	<0.45	<0.36	<0.36
1,2-Dichlorobenzene	<8	<0.42	<0.54	<0.54	<0.54	<0.27	<0.2	<0.21	<0.27	<0.27
1,2-Dichloropropane	<20	<0.72	<0.4	***1.9 J***	<0.4	<0.2	<0.5	<0.36	<0.2	<0.2
1,3,5-Trimethylbenzene	<8	<0.46	<0.36	<0.36	<0.36	0.71 J	<0.2	<0.23	<0.18	<0.18
Benzene	***2,100***	***1,500***	***1,300***	***600***	***810***	***1,000***	<0.2	<0.12	<0.074	<0.074
Bromoform	<8	<0.9	<0.56	<0.56	<0.56	<0.28	<0.2	<0.45	<0.28	<0.28
Bromomethane	<20	<0.98	<0.62	<0.62	<0.62	<0.31	<0.5	<0.49	<0.31	<0.31
Carbon tetrachloride	<32	<0.56	<0.52	<0.52	<0.52	<0.26	<0.8	<0.28	<0.26	<0.26
Chloroform	<8	***3.6***	<0.4	<0.4	<0.4	<0.2	<0.2	<0.25	<0.2	<0.2
Chloromethane	<12	<0.48	<0.36	<0.36	<0.36	<0.18	<0.3	<0.24	<0.18	<0.18
cis-1,2-Dichloroethene	<20	<0.44	<0.24	<0.24	<0.24	0.89 J	<0.5	<0.22	<0.12	<0.12
Dichlorodifluoromethane	<20	<0.52	<0.4	<0.4	<0.4	<0.2	<0.5	<0.26	<0.2	<0.2
Ethylbenzene	<20	8.7	7.5	3.5	7.1	8.1	<0.5	<0.14	<0.13	<0.13
Isopropylbenzene	35	23	30	16	27	29	<0.2	<0.21	<0.14	<0.14
Methyl tert-butyl ether	<20	<0.56	<0.48	<0.48	<0.48	<0.24	<0.5	<0.28	<0.24	<0.24
Methylene Chloride	<40	<1.3	<1.4	<1.4	<1.4	<0.68	<1	<0.63	<0.68	<0.68
Naphthalene	***190***	***110***	***54***	3.9	***50***	***72***	<0.25	<0.24	<0.16	<0.16
n-Butylbenzene	<8	<0.42	<0.26	<0.26	5	<0.13	<0.2	<0.21	<0.13	<0.13
N-Propylbenzene	21	11	13	5.4	12	14	<0.5	<0.19	<0.13	<0.13
p-Isopropyltoluene	<8	2.6	3.8	1.7 J	3.2	3.4	<0.2	<0.24	<0.17	<0.17
sec-Butylbenzene	<10	2.2	3.4	2	3.2	3.2	<0.25	<0.19	<0.15	<0.15
Styrene	<20	<0.52	<0.2	<0.2	<0.2	1	<0.5	<0.26	<0.1	<0.1
tert-Butylbenzene	<8	<0.48	<0.28	<0.28	<0.28	<0.14	<0.2	<0.24	<0.14	<0.14
Tetrachloroethene	***28***	***20***	***25***	***22***	***23***	***17***	<0.5	<0.22	<0.17	<0.17
Toluene	58	36	30	9	24	38	<0.5	<0.15	<0.11	<0.11
trans-1,2-Dichloroethene	<20	<0.54	<0.5	<0.5	<0.5	<0.25	<0.5	<0.27	<0.25	<0.25
Trichloroethene	<8	***3.9***	***11***	***13***	***12***	***18***	<0.2	<0.18	<0.19	<0.19
Vinyl chloride	<8	<0.26	<0.2	<0.2	<0.2	<0.1	<0.2	<0.13	<0.1	<0.1
Xylenes, Total	130	40	40	12	34	63	<0.5	<0.3	<0.068	<0.068

Footnotes on Page 42.

Table 4-3. Groundwater Analytical Results 2010-2013, Madison-Kipp Corporation, Madison, Wisconsin.

Well ID	MW-6D (continued)						MW-7			
Sample Interval (feet bls)	65.5-70.5	65.5-70.5	65.5-70.5	65.5-70.5	65.5-70.5	65.5-70.5	24-35	24-35	24-35	24-35
Sample Date	3/31/2011	4/12/2012	1/16/2013	4/20/2013	7/18/2013	10/7/2013	8/26/2011	4/10/2012	1/14/2013	4/16/2013
PAHs (µg/L)										
1-Methylnaphthalene	NA	NA	<1.1	NA	NA	NA	NA	NA	NA	NA
2-Methylnaphthalene	NA	NA	<0.15	NA	NA	NA	NA	NA	NA	NA
Naphthalene	NA	NA	***31***	NA	NA	NA	NA	NA	NA	NA
Total PCBs (µg/L)										
Aroclor1016	NA	NA	<0.17	NA	NA	NA	NA	NA	NA	NA
Aroclor1232	NA	NA	<0.094	NA	NA	NA	NA	NA	NA	NA
Aroclor1242	NA	NA	<0.13	NA	NA	NA	NA	NA	NA	NA
Total Detected PCBs	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA
Dissolved PCBs (µg/L)										
Aroclor1016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor1232	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor1242	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Detected PCBs	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Metals (µg/L)										
Arsenic	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Footnotes on Page 42.

Table 4-3. Groundwater Analytical Results 2010-2013, Madison-Kipp Corporation, Madison, Wisconsin.

Well ID	MW-6D (continued)						MW-7			
Sample Interval (feet bls)	65.5-70.5	65.5-70.5	65.5-70.5	65.5-70.5	65.5-70.5	65.5-70.5	24-35	24-35	24-35	24-35
Sample Date	3/31/2011	4/12/2012	1/16/2013	4/20/2013	7/18/2013	10/7/2013	8/26/2011	4/10/2012	1/14/2013	4/16/2013
Total Metals (µg/L) (continued)										
Mercury	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dissolved Metals (µg/L)										
Arsenic	NA	NA	0.34 J	NA	NA	NA	NA	NA	NA	NA
Barium	NA	NA	***590***	NA	NA	NA	NA	NA	NA	NA
Cadmium	NA	NA	<0.1	NA	NA	NA	NA	NA	NA	NA
Chromium	NA	NA	0.71 J	NA	NA	NA	NA	NA	NA	NA
Iron	NA	NA	***5400 B***	NA	NA	NA	NA	NA	NA	NA
Lead	NA	NA	<0.16	NA	NA	NA	NA	NA	NA	NA
Manganese	NA	NA	***1,800***	NA	NA	NA	NA	NA	NA	NA
Mercury	NA	NA	<0.071	NA	NA	NA	NA	NA	NA	NA
Selenium	NA	NA	0.39 J	NA	NA	NA	NA	NA	NA	NA
Silver	NA	NA	<0.069	NA	NA	NA	NA	NA	NA	NA

Only VOCs, PAHs, and PCBs detected in one or more water samples are listed on the table. Refer to laboratory analytical reports for a complete list of constituents analyzed.

100	Concentration exceeds the NR 140 Wis. adm. code Preventive Action Limit.
100	Concentration exceeds the NR 140 Wis. adm. code Enforcement Standard.
<	Constituent not detected above noted laboratory detection limit.
*	Data is suspect and not used in evaluation.
B	Compound was found in the blank and the sample.
bls	Below land surface.
J	Result is between the method detection limit and the limit of quantitation.
µg/L	Micrograms per liter.
NA	Not analyzed.
NE	Not established.
ND	Not detected.
PCBs	Polychlorinated Biphenyls.
PAHs	Polycyclic Aromatic Hydrocarbons.
VOCs	Volatile Organic Compounds.

Table 4-3. Groundwater Analytical Results 2010-2013, Madison-Kipp Corporation, Madison, Wisconsin.

Well ID	MW-7 (continued)		MW-8						MW-9D	
Sample Interval (feet bls)	24-35	24-35	24-34	24-34	24-34	24-34	24-34	24-34	44-49	44-49
Sample Date	7/17/2013	10/3/2013	8/26/2011	4/10/2012	1/15/2013	4/16/2013	7/17/2013	10/3/2013	9/9/2011	4/11/2012
VOCs (µg/L)										
1,1,1,2-Tetrachloroethane	<0.25	<0.25	<0.25	<0.31	<0.25	<0.25	<0.25	<0.25	<0.25	<0.31
1,1,2-Trichloroethane	<0.28	<0.28	<0.25	<0.3	<0.28	<0.28	<0.28	<0.28	<0.25	<0.3
1,1-Dichloroethene	<0.31	<0.31	<0.5	<0.29	<0.31	<0.31	<0.31	<0.31	<0.5	<0.29
1,2,4-Trimethylbenzene	<0.14	<0.14	<0.2	<0.22	<0.14	<0.14	<0.14	<0.14	<0.2	<0.22
1,2-Dibromoethane	<0.36	<0.36	<0.2	<0.45	<0.36	<0.36	<0.36	<0.36	<0.2	<0.45
1,2-Dichlorobenzene	<0.27	<0.27	<0.2	<0.21	<0.27	<0.27	<0.27	<0.27	<0.2	<0.21
1,2-Dichloropropane	<0.2	<0.2	<0.5	<0.36	<0.2	<0.2	<0.2	<0.2	<0.5	<0.36
1,3,5-Trimethylbenzene	<0.18	<0.18	<0.2	<0.23	<0.18	<0.18	<0.18	<0.18	<0.2	<0.23
Benzene	<0.074	<0.074	<0.2	<0.12	<0.074	<0.074	<0.074	<0.074	<0.2	<0.12
Bromoform	<0.28	<0.28	<0.2	<0.45	<0.28	<0.28	<0.28	<0.28	<0.2	<0.45
Bromomethane	<0.31	<0.31	<0.5	<0.49	<0.31	<0.31	<0.31	<0.31	<0.5	<0.49
Carbon tetrachloride	<0.26	<0.26	<0.8	<0.28	<0.26	<0.26	<0.26	<0.26	<0.8	<0.28
Chloroform	<0.2	<0.2	<0.2	<0.25	<0.2	<0.2	<0.2	<0.2	<0.2	<0.25
Chloromethane	<0.18	<0.18	<0.3	<0.24	<0.18	<0.18	<0.18	<0.18	<0.3	<0.24
cis-1,2-Dichloroethene	<0.12	<0.12	<0.5	<0.22	<0.12	<0.12	<0.12	<0.12	<0.5	<0.22
Dichlorodifluoromethane	<0.2	<0.2	<0.5	<0.26	<0.2	<0.2	<0.2	<0.2	<0.5	<0.26
Ethylbenzene	<0.13	<0.13	<0.5	<0.14	<0.13	<0.13	<0.13	<0.13	<0.5	<0.14
Isopropylbenzene	<0.14	<0.14	<0.2	<0.21	<0.14	<0.14	<0.14	<0.14	<0.2	<0.21
Methyl tert-butyl ether	<0.24	<0.24	<0.5	<0.28	<0.24	<0.24	<0.24	<0.24	<0.5	<0.28
Methylene Chloride	<0.68	<0.68	<1	<0.63	<0.68	<0.68	<0.68	<0.68	<1	***9***
Naphthalene	<0.16	<0.16	<0.25	<0.24	<0.16	<0.16	<0.16	<0.16	<0.25	<0.24
n-Butylbenzene	<0.13	<0.13	<0.2	<0.21	<0.13	<0.13	<0.13	<0.13	<0.2	<0.21
N-Propylbenzene	<0.13	<0.13	<0.5	<0.19	<0.13	<0.13	<0.13	<0.13	<0.5	<0.19
p-Isopropyltoluene	<0.17	<0.17	<0.2	<0.24	<0.17	<0.17	<0.17	<0.17	<0.2	<0.24
sec-Butylbenzene	<0.15	<0.15	<0.25	<0.19	<0.15	<0.15	<0.15	<0.15	<0.25	<0.19
Styrene	<0.1	<0.1	<0.5	<0.26	<0.1	<0.1	<0.1	<0.1	<0.5	<0.26
tert-Butylbenzene	<0.14	<0.14	<0.2	<0.24	<0.14	<0.14	<0.14	<0.14	<0.2	<0.24
Tetrachloroethene	<0.17	<0.17	<0.5	<0.22	<0.17	<0.17	<0.17	<0.17	<0.5	<0.22
Toluene	<0.11	<0.11	<0.5	<0.15	<0.11	<0.11	<0.11	<0.11	<0.5	<0.15
trans-1,2-Dichloroethene	<0.25	<0.25	<0.5	<0.27	<0.25	<0.25	<0.25	<0.25	<0.5	<0.27
Trichloroethene	<0.19	<0.19	<0.2	<0.18	<0.19	<0.19	<0.19	<0.19	<0.2	<0.18
Vinyl chloride	<0.1	<0.1	<0.2	<0.13	<0.1	<0.1	<0.1	<0.1	<0.2	<0.13
Xylenes, Total	<0.068	<0.068	<0.5	<0.3	<0.068	<0.068	<0.068	<0.068	<0.5	<0.3

Footnotes on Page 45.

Table 4-3. Groundwater Analytical Results 2010-2013, Madison-Kipp Corporation, Madison, Wisconsin.

Well ID	MW-7 (continued)		MW-8						MW-9D	
Sample Interval (feet bls)	24-35	24-35	24-34	24-34	24-34	24-34	24-34	24-34	44-49	44-49
Sample Date	7/17/2013	10/3/2013	8/26/2011	4/10/2012	1/15/2013	4/16/2013	7/17/2013	10/3/2013	9/9/2011	4/11/2012
PAHs (µg/L)										
1-Methylnaphthalene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Methylnaphthalene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Naphthalene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total PCBs (µg/L)										
Aroclor1016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor1232	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor1242	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Detected PCBs	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dissolved PCBs (µg/L)										
Aroclor1016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor1232	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor1242	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Detected PCBs	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Metals (µg/L)										
Arsenic	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Footnotes on Page 45.

Table 4-3. Groundwater Analytical Results 2010-2013, Madison-Kipp Corporation, Madison, Wisconsin.

Well ID	MW-7 (continued)		MW-8						MW-9D	
Sample Interval (feet bls)	24-35	24-35	24-34	24-34	24-34	24-34	24-34	24-34	44-49	44-49
Sample Date	7/17/2013	10/3/2013	8/26/2011	4/10/2012	1/15/2013	4/16/2013	7/17/2013	10/3/2013	9/9/2011	4/11/2012
Total Metals (µg/L) (continued)										
Mercury	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dissolved Metals (µg/L)										
Arsenic	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Only VOCs, PAHs, and PCBs detected in one or more water samples are listed on the table. Refer to laboratory analytical reports for a complete list of constituents analyzed.

100	Concentration exceeds the NR 140 Wis. adm. code Preventive Action Limit.
100	Concentration exceeds the NR 140 Wis. adm. code Enforcement Standard.
<	Constituent not detected above noted laboratory detection limit.
*	Data is suspect and not used in evaluation.
B	Compound was found in the blank and the sample.
bls	Below land surface.
J	Result is between the method detection limit and the limit of quantitation.
µg/L	Micrograms per liter.
NA	Not analyzed.
NE	Not established.
ND	Not detected.
PCBs	Polychlorinated Biphenyls.
PAHs	Polycyclic Aromatic Hydrocarbons.
VOCs	Volatile Organic Compounds.

Table 4-3. Groundwater Analytical Results 2010-2013, Madison-Kipp Corporation, Madison, Wisconsin.

Well ID	MW-9D (continued)				MW-9D2					
Sample Interval (feet bls)	44-49	44-49	44-49	44-49	64-69	64-69	64-69	64-69	64-69	64-69
Sample Date	1/15/2013	4/18/2013	7/18/2013	10/4/2013	9/9/2011	4/11/2012	1/15/2013	4/18/2013	7/18/2013	10/4/2013
VOCs (µg/L)										
1,1,1,2-Tetrachloroethane	<0.25	<0.25	<0.25	<0.25	<0.25	<0.31	<0.25	<0.25	<0.25	<0.25
1,1,2-Trichloroethane	<0.28	<0.28	<0.28	<0.28	<0.25	<0.3	<0.28	<0.28	<0.28	<0.28
1,1-Dichloroethene	<0.31	<0.31	<0.31	<0.31	<0.5	<0.29	<0.31	<0.31	<0.31	<0.31
1,2,4-Trimethylbenzene	<0.14	<0.14	<0.14	<0.14	<0.2	<0.22	<0.14	<0.14	<0.14	<0.14
1,2-Dibromoethane	<0.36	<0.36	<0.36	<0.36	<0.2	<0.45	<0.36	<0.36	<0.36	<0.36
1,2-Dichlorobenzene	<0.27	<0.27	<0.27	<0.27	<0.2	<0.21	<0.27	<0.27	<0.27	<0.27
1,2-Dichloropropane	<0.2	<0.2	<0.2	<0.2	<0.5	<0.36	<0.2	<0.2	<0.2	<0.2
1,3,5-Trimethylbenzene	<0.18	<0.18	<0.18	<0.18	<0.2	<0.23	<0.18	<0.18	<0.18	<0.18
Benzene	<0.074	<0.074	<0.074	<0.074	<0.2	<0.12	<0.074	<0.074	<0.074	<0.074
Bromoform	<0.28	<0.28	<0.28	<0.28	<0.2	<0.45	<0.28	<0.28	<0.28	<0.28
Bromomethane	<0.31	<0.31	<0.31	<0.31	<0.5	<0.49	<0.31	<0.31	<0.31	<0.31
Carbon tetrachloride	<0.26	<0.26	<0.26	<0.26	<0.8	<0.28	<0.26	<0.26	<0.26	<0.26
Chloroform	<0.2	<0.2	<0.2	<0.2	<0.2	<0.25	<0.2	<0.2	<0.2	<0.2
Chloromethane	<0.18	<0.18	<0.18	<0.18	<0.3	<0.24	<0.18	<0.18	<0.18	<0.18
cis-1,2-Dichloroethene	<0.12	<0.12	<0.12	<0.12	***12***	***11***	***14***	***16***	***16***	***18***
Dichlorodifluoromethane	<0.2	<0.2	<0.2	<0.2	<0.5	<0.26	<0.2	<0.2	<0.2	<0.2
Ethylbenzene	<0.13	<0.13	<0.13	<0.13	<0.5	<0.14	<0.13	<0.13	<0.13	<0.13
Isopropylbenzene	<0.14	<0.14	<0.14	<0.14	<0.2	<0.21	<0.14	<0.14	<0.14	<0.14
Methyl tert-butyl ether	<0.24	<0.24	<0.24	<0.24	7.4	9.3	***20***	10	12	***15***
Methylene Chloride	<0.68	<0.68	<0.68	<0.68	<1	***8.8***	<0.68	<0.68	<0.68	<0.68
Naphthalene	<0.16	<0.16	<0.16	<0.16	<0.25	<0.24	<0.16	<0.16	<0.16	<0.16
n-Butylbenzene	<0.13	<0.13	<0.13	<0.13	<0.2	<0.21	<0.13	<0.13	<0.13	<0.13
N-Propylbenzene	<0.13	<0.13	<0.13	<0.13	<0.5	<0.19	<0.13	<0.13	<0.13	<0.13
p-Isopropyltoluene	<0.17	<0.17	<0.17	<0.17	<0.2	<0.24	<0.17	<0.17	<0.17	<0.17
sec-Butylbenzene	<0.15	<0.15	<0.15	<0.15	<0.25	<0.19	<0.15	<0.15	<0.15	<0.15
Styrene	<0.1	<0.1	<0.1	<0.1	<0.5	<0.26	<0.1	<0.1	<0.1	<0.1
tert-Butylbenzene	<0.14	<0.14	<0.14	<0.14	<0.2	<0.24	<0.14	<0.14	<0.14	<0.14
Tetrachloroethene	<0.17	<0.17	<0.17	<0.17	***29***	***10***	***26***	***28***	***30***	***34***
Toluene	<0.11	<0.11	<0.11	<0.11	<0.5	<0.15	<0.11	<0.11	<0.11	<0.11
trans-1,2-Dichloroethene	<0.25	<0.25	<0.25	<0.25	<0.5	<0.27	<0.25	<0.25	<0.25	<0.25
Trichloroethene	<0.19	<0.19	<0.19	<0.19	***5***	***3.8***	***5.5***	***6***	***6.3***	***7.4***
Vinyl chloride	<0.1	<0.1	<0.1	<0.1	<0.2	<0.13	<0.1	<0.1	<0.1	<0.1
Xylenes, Total	<0.068	<0.068	<0.068	<0.068	<0.5	<0.3	<0.068	<0.068	<0.068	<0.068

Footnotes on Page 48.

Table 4-3. Groundwater Analytical Results 2010-2013, Madison-Kipp Corporation, Madison, Wisconsin.

Well ID	MW-9D (continued)				MW-9D2					
Sample Interval (feet bls)	44-49	44-49	44-49	44-49	64-69	64-69	64-69	64-69	64-69	64-69
Sample Date	1/15/2013	4/18/2013	7/18/2013	10/4/2013	9/9/2011	4/11/2012	1/15/2013	4/18/2013	7/18/2013	10/4/2013
PAHs (µg/L)										
1-Methylnaphthalene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Methylnaphthalene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Naphthalene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total PCBs (µg/L)										
Aroclor1016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor1232	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor1242	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Detected PCBs	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dissolved PCBs (µg/L)										
Aroclor1016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor1232	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor1242	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Detected PCBs	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Metals (µg/L)										
Arsenic	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Footnotes on Page 48.

Table 4-3. Groundwater Analytical Results 2010-2013, Madison-Kipp Corporation, Madison, Wisconsin.

Well ID	MW-9D (continued)				MW-9D2					
Sample Interval (feet bls)	44-49	44-49	44-49	44-49	64-69	64-69	64-69	64-69	64-69	64-69
Sample Date	1/15/2013	4/18/2013	7/18/2013	10/4/2013	9/9/2011	4/11/2012	1/15/2013	4/18/2013	7/18/2013	10/4/2013
Total Metals (µg/L) (continued)										
Mercury	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dissolved Metals (µg/L)										
Arsenic	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Only VOCs, PAHs, and PCBs detected in one or more water samples are listed on the table. Refer to laboratory analytical reports for a complete list of constituents analyzed.

100	Concentration exceeds the NR 140 Wis. adm. code Preventive Action Limit.
100	Concentration exceeds the NR 140 Wis. adm. code Enforcement Standard.
<	Constituent not detected above noted laboratory detection limit.
*	Data is suspect and not used in evaluation.
B	Compound was found in the blank and the sample.
bls	Below land surface.
J	Result is between the method detection limit and the limit of quantitation.
µg/L	Micrograms per liter.
NA	Not analyzed.
NE	Not established.
ND	Not detected.
PCBs	Polychlorinated Biphenyls.
PAHs	Polycyclic Aromatic Hydrocarbons.
VOCs	Volatile Organic Compounds.

Table 4-3. Groundwater Analytical Results 2010-2013, Madison-Kipp Corporation, Madison, Wisconsin.

Well ID	MW-10S						MW-11S				
Sample Interval (feet bls)	11-21	11-21	11-21	11-21	11-21	11-21	24-34	24-34	24-34	24-34	24-34
Sample Date	4/10/2012	5/9/2012	1/15/2013	4/17/2013	7/17/2013	10/9/2013	4/12/2012	5/9/2012	1/15/2013	4/17/2013	7/18/2013
VOCs (µg/L)											
1,1,1,2-Tetrachloroethane	<0.31	<0.25	<0.25	<0.25	<0.25	<0.25	<0.31	<0.25	<0.25	<0.25	<0.25
1,1,2-Trichloroethane	<0.3	<0.28	<0.28	<0.28	<0.28	<0.28	<0.3	<0.28	<0.28	<0.28	<0.28
1,1-Dichloroethene	<0.29	<0.31	<0.31	<0.31	<0.31	<0.31	<0.29	<0.31	<0.31	<0.31	<0.31
1,2,4-Trimethylbenzene	0.76 J	<0.14	<0.14	<0.14	<0.14	<0.14	0.55 J	<0.14	<0.14	<0.14	<0.14
1,2-Dibromoethane	<0.45	<0.36	<0.36	<0.36	<0.36	<0.36	<0.45	<0.36	<0.36	<0.36	<0.36
1,2-Dichlorobenzene	<0.21	<0.27	<0.27	<0.27	<0.27	<0.27	<0.21	<0.27	<0.27	<0.27	<0.27
1,2-Dichloropropane	<0.36	<0.2	<0.2	<0.2	<0.2	<0.2	<0.36	<0.2	<0.2	<0.2	<0.2
1,3,5-Trimethylbenzene	<0.23	<0.18	<0.18	<0.18	<0.18	<0.18	<0.23	<0.18	<0.18	<0.18	<0.18
Benzene	<0.12	<0.074	<0.074	<0.074	<0.074	<0.074	<0.12	<0.074	<0.074	<0.074	<0.074
Bromoform	<0.45	<0.28	<0.28	<0.28	<0.28	<0.28	<0.45	<0.28	<0.28	<0.28	<0.28
Bromomethane	<0.49	<0.31	<0.31	<0.31	<0.31	<0.31	<0.49	<0.31	<0.31	<0.31	<0.31
Carbon tetrachloride	<0.28	<0.26	<0.26	<0.26	<0.26	<0.26	<0.28	<0.26	<0.26	<0.26	<0.26
Chloroform	<0.25	<0.2	<0.2	<0.2	<0.2	<0.2	<0.25	<0.2	<0.2	<0.2	<0.2
Chloromethane	<0.24	<0.18	<0.18	<0.18	<0.18	<0.18	<0.24	<0.18	<0.18	<0.18	<0.18
cis-1,2-Dichloroethene	<0.22	<0.12	<0.12	<0.12	<0.12	<0.12	<0.22	<0.12	<0.12	<0.12	<0.12
Dichlorodifluoromethane	<0.26	<0.2	<0.2	<0.2	<0.2	<0.2	<0.26	<0.2	<0.2	<0.2	<0.2
Ethylbenzene	0.20 J	<0.13	<0.13	<0.13	<0.13	<0.13	<0.14	<0.13	<0.13	<0.13	<0.13
Isopropylbenzene	<0.21	<0.14	<0.14	<0.14	<0.14	<0.14	<0.21	<0.14	<0.14	<0.14	<0.14
Methyl tert-butyl ether	<0.28	<0.24	<0.24	<0.24	<0.24	<0.24	<0.28	<0.24	<0.24	<0.24	<0.24
Methylene Chloride	<0.63	<0.68	<0.68	<0.68	<0.68	<0.68	<0.63	<0.68	<0.68	<0.68	<0.68
Naphthalene	<0.24	<0.16	<0.16	<0.16	<0.16	<0.16	<0.24	<0.16	<0.16	<0.16	<0.16
n-Butylbenzene	<0.21	<0.13	<0.13	<0.13	<0.13	<0.13	<0.21	<0.13	<0.13	<0.13	<0.13
N-Propylbenzene	<0.19	<0.13	<0.13	<0.13	<0.13	<0.13	<0.19	<0.13	<0.13	<0.13	<0.13
p-Isopropyltoluene	<0.24	<0.17	<0.17	<0.17	<0.17	<0.17	<0.24	<0.17	<0.17	<0.17	<0.17
sec-Butylbenzene	<0.19	<0.15	<0.15	<0.15	<0.15	<0.15	<0.19	<0.15	<0.15	<0.15	<0.15
Styrene	<0.26	<0.1	<0.1	<0.1	<0.1	<0.1	<0.26	<0.1	<0.1	<0.1	<0.1
tert-Butylbenzene	<0.24	<0.14	<0.14	<0.14	<0.14	<0.14	<0.24	<0.14	<0.14	<0.14	<0.14
Tetrachloroethene	<0.22	<0.17	***0.85 J***	<0.17	<0.17	<0.17	<0.22	<0.17	<0.17	<0.17	<0.17
Toluene	0.54	<0.11	<0.11	<0.11	<0.11	<0.11	0.73	<0.11	<0.11	<0.11	<0.11
trans-1,2-Dichloroethene	<0.27	<0.25	<0.25	<0.25	<0.25	<0.25	<0.27	<0.25	<0.25	<0.25	<0.25
Trichloroethene	<0.18	<0.19	<0.19	<0.19	<0.19	<0.19	<0.18	<0.19	<0.19	<0.19	<0.19
Vinyl chloride	<0.13	<0.1	<0.1	<0.1	<0.1	<0.1	<0.13	<0.1	<0.1	<0.1	<0.1
Xylenes, Total	0.83 J	<0.068	<0.068	<0.068	<0.068	<0.068	0.86 J	<0.068	<0.068	<0.068	<0.068

Footnotes on Page 51.

Table 4-3. Groundwater Analytical Results 2010-2013, Madison-Kipp Corporation, Madison, Wisconsin.

Well ID	MW-10S						MW-11S				
Sample Interval (feet bls)	11-21	11-21	11-21	11-21	11-21	11-21	24-34	24-34	24-34	24-34	24-34
Sample Date	4/10/2012	5/9/2012	1/15/2013	4/17/2013	7/17/2013	10/9/2013	4/12/2012	5/9/2012	1/15/2013	4/17/2013	7/18/2013
PAHs (µg/L)											
1-Methylnaphthalene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Methylnaphthalene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Naphthalene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total PCBs (µg/L)											
Aroclor1016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor1232	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor1242	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Detected PCBs	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dissolved PCBs (µg/L)											
Aroclor1016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor1232	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor1242	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Detected PCBs	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Metals (µg/L)											
Arsenic	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Footnotes on Page 51.

Table 4-3. Groundwater Analytical Results 2010-2013, Madison-Kipp Corporation, Madison, Wisconsin.

Well ID	MW-10S						MW-11S				
Sample Interval (feet bls)	11-21	11-21	11-21	11-21	11-21	11-21	24-34	24-34	24-34	24-34	24-34
Sample Date	4/10/2012	5/9/2012	1/15/2013	4/17/2013	7/17/2013	10/9/2013	4/12/2012	5/9/2012	1/15/2013	4/17/2013	7/18/2013
Total Metals (µg/L) (continued)											
Mercury	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dissolved Metals (µg/L)											
Arsenic	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Only VOCs, PAHs, and PCBs detected in one or more water samples are listed on the table. Refer to laboratory analytical reports for a complete list of constituents analyzed.

100	Concentration exceeds the NR 140 Wis. adm. code Preventive Action Limit.
100	Concentration exceeds the NR 140 Wis. adm. code Enforcement Standard.
<	Constituent not detected above noted laboratory detection limit.
*	Data is suspect and not used in evaluation.
B	Compound was found in the blank and the sample.
bls	Below land surface.
J	Result is between the method detection limit and the limit of quantitation.
µg/L	Micrograms per liter.
NA	Not analyzed.
NE	Not established.
ND	Not detected.
PCBs	Polychlorinated Biphenyls.
PAHs	Polycyclic Aromatic Hydrocarbons.
VOCs	Volatile Organic Compounds.

Table 4-3. Groundwater Analytical Results 2010-2013, Madison-Kipp Corporation, Madison, Wisconsin.

Well ID	MW-11S (continued)	MW-12S						MP-13	
Sample Interval (feet bls)	24-34	3-13	3-13	3-13	3-13	3-13	3-13	44-48'	44-48'
Sample Date	10/4/2013	4/12/2012	5/9/2012	1/16/2013	4/17/2013	7/18/2013	10/4/2013	12/6/2012	1/19/2013
VOCs (µg/L)									
1,1,1,2-Tetrachloroethane	<0.25	<0.31	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25
1,1,2-Trichloroethane	<0.28	<0.3	<0.28	<0.28	<0.28	<0.28	<0.28	<0.28	<0.28
1,1-Dichloroethene	<0.31	<0.29	<0.31	<0.31	<0.31	<0.31	<0.31	***0.92 J***	***1.1***
1,2,4-Trimethylbenzene	<0.14	1.2	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14
1,2-Dibromoethane	<0.36	<0.45	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36
1,2-Dichlorobenzene	<0.27	<0.21	<0.27	0.79 J	<0.27	<0.27	<0.27	<0.27	<0.27
1,2-Dichloropropane	<0.2	<0.36	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
1,3,5-Trimethylbenzene	<0.18	<0.23	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18
Benzene	<0.074	<0.12	<0.074	<0.074	<0.074	<0.074	<0.074	0.34 J	0.38 J
Bromoform	<0.28	<0.45	<0.28	<0.28	<0.28	<0.28	<0.28	<0.28	<0.28
Bromomethane	<0.31	<0.49	<0.31	<0.31	<0.31	<0.31	<0.31	<0.31	<0.31
Carbon tetrachloride	<0.26	<0.28	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26
Chloroform	<0.2	<0.25	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Chloromethane	<0.18	<0.24	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18
cis-1,2-Dichloroethene	<0.12	<0.22	<0.12	<0.12	<0.12	<0.12	<0.12	***540***	***450***
Dichlorodifluoromethane	<0.2	<0.26	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Ethylbenzene	<0.13	<0.14	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13
Isopropylbenzene	<0.14	<0.21	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14
Methyl tert-butyl ether	<0.24	<0.28	<0.24	<0.24	<0.24	<0.24	<0.24	<0.24	<0.24
Methylene Chloride	<0.68	<0.63	<0.68	<0.68	<0.68	<0.68	<0.68	<0.68	<0.68
Naphthalene	<0.16	<0.24	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16
n-Butylbenzene	<0.13	<0.21	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13
N-Propylbenzene	<0.13	<0.19	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13
p-Isopropyltoluene	<0.17	<0.24	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17
sec-Butylbenzene	<0.15	<0.19	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15
Styrene	<0.1	<0.26	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
tert-Butylbenzene	<0.14	<0.24	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14
Tetrachloroethene	<0.17	***0.78 J***	***1.7***	***0.93 J***	<0.17	***1.3***	***1.5***	***640***	***760***
Toluene	<0.11	0.64	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11
trans-1,2-Dichloroethene	<0.25	<0.27	<0.25	<0.25	<0.25	<0.25	<0.25	7.3	6.7
Trichloroethene	<0.19	<0.18	0.26 J	<0.19	<0.19	<0.19	<0.19	***230***	***200***
Vinyl chloride	<0.1	<0.13	<0.1	<0.1	<0.1	<0.1	<0.1	***15***	***17***
Xylenes, Total	<0.068	1.6	<0.068	<0.068	<0.068	<0.068	<0.068	<0.068	<0.068

Footnotes on Page 54.

Table 4-3. Groundwater Analytical Results 2010-2013, Madison-Kipp Corporation, Madison, Wisconsin.

Well ID	MW-11S (continued)	MW-12S						MP-13	
Sample Interval (feet bls)	24-34	3-13	3-13	3-13	3-13	3-13	3-13	44-48'	44-48'
Sample Date	10/4/2013	4/12/2012	5/9/2012	1/16/2013	4/17/2013	7/18/2013	10/4/2013	12/6/2012	1/19/2013
PAHs (µg/L)									
1-Methylnaphthalene	NA	NA	NA	NA	NA	NA	NA	<1.1	NA
2-Methylnaphthalene	NA	NA	NA	NA	NA	NA	NA	<0.14	NA
Naphthalene	NA	NA	NA	NA	NA	NA	NA	<0.33	NA
Total PCBs (µg/L)									
Aroclor1016	NA	NA	NA	NA	NA	NA	NA	<0.16	NA
Aroclor1232	NA	NA	NA	NA	NA	NA	NA	<0.085	NA
Aroclor1242	NA	NA	NA	NA	NA	NA	NA	<0.12	NA
Total Detected PCBs	NA	NA	NA	NA	NA	NA	NA	ND	NA
Dissolved PCBs (µg/L)									
Aroclor1016	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor1232	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor1242	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Detected PCBs	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Metals (µg/L)									
Arsenic	NA	NA	NA	NA	NA	NA	NA	0.21 J	0.20 J
Barium	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	NA	NA	NA	NA	NA	NA	NA	3.4 J	1.3 J
Iron	NA	NA	NA	NA	NA	NA	NA	***1,300***	***360***
Lead	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	NA	NA	NA	NA	NA	NA	NA	***340***	***290***

Footnotes on Page 54.

Table 4-3. Groundwater Analytical Results 2010-2013, Madison-Kipp Corporation, Madison, Wisconsin.

Well ID	MW-11S (continued)	MW-12S						MP-13	
Sample Interval (feet bls)	24-34	3-13	3-13	3-13	3-13	3-13	3-13	44-48'	44-48'
Sample Date	10/4/2013	4/12/2012	5/9/2012	1/16/2013	4/17/2013	7/18/2013	10/4/2013	12/6/2012	1/19/2013
Total Metals (µg/L) (continued)									
Mercury	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dissolved Metals (µg/L)									
Arsenic	NA	NA	NA	NA	NA	NA	NA	0.16 J	0.19 J
Barium	NA	NA	NA	NA	NA	NA	NA	180	190
Cadmium	NA	NA	NA	NA	NA	NA	NA	<0.1	<0.1
Chromium	NA	NA	NA	NA	NA	NA	NA	<0.64	<0.64
Iron	NA	NA	NA	NA	NA	NA	NA	***860***	85 J
Lead	NA	NA	NA	NA	NA	NA	NA	0.23 J	0.39 J
Manganese	NA	NA	NA	NA	NA	NA	NA	***360***	***280***
Mercury	NA	NA	NA	NA	NA	NA	NA	<0.071	<0.071
Selenium	NA	NA	NA	NA	NA	NA	NA	0.27 J	0.29 J
Silver	NA	NA	NA	NA	NA	NA	NA	<0.069	<0.069

Only VOCs, PAHs, and PCBs detected in one or more water samples are listed on the table. Refer to laboratory analytical reports for a complete list of constituents analyzed.

100	Concentration exceeds the NR 140 Wis. adm. code Preventive Action Limit.
100	Concentration exceeds the NR 140 Wis. adm. code Enforcement Standard.
<	Constituent not detected above noted laboratory detection limit.
*	Data is suspect and not used in evaluation.
B	Compound was found in the blank and the sample.
bls	Below land surface.
J	Result is between the method detection limit and the limit of quantitation.
µg/L	Micrograms per liter.
NA	Not analyzed.
NE	Not established.
ND	Not detected.
PCBs	Polychlorinated Biphenyls.
PAHs	Polycyclic Aromatic Hydrocarbons.
VOCs	Volatile Organic Compounds.

Table 4-3. Groundwater Analytical Results 2010-2013, Madison-Kipp Corporation, Madison, Wisconsin.

Well ID	MP-13 (continued)										
Sample Interval (feet bls)	44-48'	44-48'	44-48'	44-48'	67-71'	67-71'	67-71'	67-71'	67-71'	67-71'	81-85'
Sample Date	2/21/2013	4/17/2013	7/22/2013	10/7/2013	12/6/2012	1/19/2013	2/21/2013	4/17/2013	7/22/2013	10/7/2013	12/6/2012
VOCs (µg/L)											
1,1,1,2-Tetrachloroethane	<0.25	<0.5	<0.25	<0.25	<1.3	<1.3	<1.3	<2.5	<1.3	<1.3	<2.5
1,1,2-Trichloroethane	<0.28	<0.56	<0.28	<0.28	<1.4	<1.4	<1.4	<2.8	<1.4	<1.4	<2.8
1,1-Dichloroethene	***0.88 J***	<0.62	***0.85 J***	***1.1***	***2.8 J***	***3.1 J***	<1.6	<3.1	<1.6	<1.6	<3.1
1,2,4-Trimethylbenzene	<0.14	<0.28	<0.14	<0.14	<0.7	<0.7	<0.7	<1.4	<0.7	<0.7	<1.4
1,2-Dibromoethane	<0.36	<0.72	<0.36	<0.36	<1.8	<1.8	<1.8	<3.6	<1.8	<1.8	<3.6
1,2-Dichlorobenzene	<0.27	<0.54	<0.27	<0.27	<1.4	<1.4	<1.4	<2.7	<1.4	<1.4	<2.7
1,2-Dichloropropane	<0.2	<0.4	<0.2	<0.2	<1	<1	<1	<2	<1	<1	<2
1,3,5-Trimethylbenzene	<0.18	<0.36	<0.18	<0.18	<0.9	<0.9	<0.9	<1.8	<0.9	<0.9	<1.8
Benzene	0.32 J	0.38 J	0.34 J	0.46 J	<0.37	***1.1 J***	<0.37	<0.74	<0.37	<0.37	<0.74
Bromoform	<0.28	<0.56	<0.28	<0.28	<1.4	<1.4	<1.4	<2.8	<1.4	<1.4	<2.8
Bromomethane	<0.31	<0.62	<0.31	<0.31	<1.6	<1.6	<1.6	<3.1	<1.6	<1.6	<3.1
Carbon tetrachloride	<0.26	<0.52	<0.26	<0.26	<1.3	<1.3	<1.3	<2.6	<1.3	<1.3	<2.6
Chloroform	<0.2	<0.4	<0.2	<0.2	<1	<1	<1	<2	<1	<1	<2
Chloromethane	<0.18	<0.36	<0.18	<0.18	<0.9	<0.9	<0.9	<1.8	<0.9	<0.9	<1.8
cis-1,2-Dichloroethene	***460***	***460***	***430***	***480***	***3,500***	***3,100***	***2,900***	***3,200***	***2,300***	***1,500***	***1,900***
Dichlorodifluoromethane	<0.2	<0.4	<0.2	<0.2	<1	<1	<1	<2	<1	<1	<2
Ethylbenzene	<0.13	<0.26	<0.13	<0.13	<0.65	<0.65	<0.65	<1.3	<0.65	<0.65	<1.3
Isopropylbenzene	<0.14	<0.28	<0.14	<0.14	<0.7	<0.7	<0.7	<1.4	<0.7	<0.7	<1.4
Methyl tert-butyl ether	<0.24	<0.48	<0.24	<0.24	<1.2	<1.2	<1.2	<2.4	<1.2	<1.2	<2.4
Methylene Chloride	<0.68	<1.4	<0.68	<0.68	<3.4	<3.4	<3.4	<6.8	<3.4	<3.4	<6.8
Naphthalene	<0.16	<0.32	<0.16	<0.16	<0.8	<0.8	<0.8	<1.6	<0.8	<0.8	<1.6
n-Butylbenzene	<0.13	<0.26	<0.13	<0.13	<0.65	<0.65	<0.65	<1.3	<0.65	<0.65	<1.3
N-Propylbenzene	<0.13	<0.26	<0.13	<0.13	<0.65	<0.65	<0.65	<1.3	<0.65	<0.65	<1.3
p-Isopropyltoluene	<0.17	<0.34	<0.17	<0.17	<0.85	<0.85	<0.85	<1.7	<0.85	<0.85	<1.7
sec-Butylbenzene	<0.15	<0.3	<0.15	<0.15	<0.75	<0.75	<0.75	<1.5	<0.75	<0.75	<1.5
Styrene	<0.1	<0.2	<0.1	<0.1	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1
tert-Butylbenzene	<0.14	<0.28	<0.14	<0.14	<0.7	<0.7	<0.7	<1.4	<0.7	<0.7	<1.4
Tetrachloroethene	***630***	***680***	***720***	***800***	***3,800***	***4,300***	***2,900***	***3,800***	***2,800***	***2,000***	***5,600***
Toluene	<0.11	<0.22	<0.11	<0.11	<0.55	<0.55	<0.55	<1.1	<0.55	<0.55	<1.1
trans-1,2-Dichloroethene	6.1	6.9	6.9	8.4	***60***	***56***	***48***	***52***	***37***	***27***	***29***
Trichloroethene	***220***	***230***	***220***	***290***	***1,100***	***1,000***	***800***	***940***	***630***	***510***	***940***
Vinyl chloride	***17***	***13***	***13***	***17***	***150***	***180***	***140***	***130***	***110***	***92***	***64***
Xylenes, Total	<0.068	<0.14	<0.068	<0.068	<0.34	<0.34	<0.34	<0.68	<0.34	<0.34	<0.68

Footnotes on Page 57.

Table 4-3. Groundwater Analytical Results 2010-2013, Madison-Kipp Corporation, Madison, Wisconsin.

Well ID	MP-13 (continued)										
Sample Interval (feet bls)	44-48'	44-48'	44-48'	44-48'	67-71'	67-71'	67-71'	67-71'	67-71'	67-71'	81-85'
Sample Date	2/21/2013	4/17/2013	7/22/2013	10/7/2013	12/6/2012	1/19/2013	2/21/2013	4/17/2013	7/22/2013	10/7/2013	12/6/2012
PAHs (µg/L)											
1-Methylnaphthalene	NA	NA	NA	NA	<1.1	NA	NA	NA	NA	NA	<1.1
2-Methylnaphthalene	NA	NA	NA	NA	<0.14	NA	NA	NA	NA	NA	<0.14
Naphthalene	NA	NA	NA	NA	<0.32	NA	NA	NA	NA	NA	<0.32
Total PCBs (µg/L)											
Aroclor1016	NA	NA	NA	NA	<0.16	NA	NA	NA	NA	NA	<0.15
Aroclor1232	NA	NA	NA	NA	<0.085	NA	NA	NA	NA	NA	<0.083
Aroclor1242	NA	NA	NA	NA	<0.12	NA	NA	NA	NA	NA	<0.12
Total Detected PCBs	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	ND
Dissolved PCBs (µg/L)											
Aroclor1016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor1232	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor1242	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Detected PCBs	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Metals (µg/L)											
Arsenic	0.20 J	NA	NA	NA	0.16 J	0.17 J	<0.15	NA	NA	NA	0.17 J
Barium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	0.85 J	NA	NA	NA	6.8	2.1 J	0.86 J	NA	NA	NA	2.0 J
Iron	***390***	NA	NA	NA	61 J B	<37	<37	NA	NA	NA	62 J B
Lead	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	***270***	NA	NA	NA	10	3.3	2.6	NA	NA	NA	14

Footnotes on Page 57.

Table 4-3. Groundwater Analytical Results 2010-2013, Madison-Kipp Corporation, Madison, Wisconsin.

Well ID	MP-13 (continued)										
Sample Interval (feet bls)	**44-48'**	**44-48'**	**44-48'**	**44-48'**	**67-71'**	**67-71'**	**67-71'**	**67-71'**	**67-71'**	**67-71'**	**81-85'**
Sample Date	**2/21/2013**	**4/17/2013**	**7/22/2013**	**10/7/2013**	**12/6/2012**	**1/19/2013**	**2/21/2013**	**4/17/2013**	**7/22/2013**	**10/7/2013**	**12/6/2012**
Total Metals (µg/L) (continued)											
Mercury	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dissolved Metals (µg/L)											
Arsenic	0.16 J	NA	NA	NA	0.20 J	0.15 J	0.16 J	NA	NA	NA	<0.15
Barium	190	NA	NA	NA	26 B	24	25	NA	NA	NA	24 B
Cadmium	0.12 J	NA	NA	NA	<0.1	<0.1	<0.1	NA	NA	NA	<0.1
Chromium	<0.64	NA	NA	NA	<0.64	<0.64	<0.64	NA	NA	NA	<0.64
Iron	78 J	NA	NA	NA	43 J B	<37	<37	NA	NA	NA	43 J B
Lead	0.43 J	NA	NA	NA	<0.16	<0.16	<0.16	NA	NA	NA	<0.16
Manganese	***270***	NA	NA	NA	10	3.0	2.5	NA	NA	NA	13
Mercury	<0.071	NA	NA	NA	<0.071	<0.071	<0.071	NA	NA	NA	<0.071
Selenium	0.37 J	NA	NA	NA	<0.25	0.34 J	0.34 J	NA	NA	NA	<0.25
Silver	<0.069	NA	NA	NA	<0.069	<0.069	<0.069	NA	NA	NA	<0.069

Only VOCs, PAHs, and PCBs detected in one or more water samples are listed on the table. Refer to laboratory analytical reports for a complete list of constituents analyzed.

100	Concentration exceeds the NR 140 Wis. adm. code Preventive Action Limit.
100	Concentration exceeds the NR 140 Wis. adm. code Enforcement Standard.
<	Constituent not detected above noted laboratory detection limit.
*	Data is suspect and not used in evaluation.
B	Compound was found in the blank and the sample.
bls	Below land surface.
J	Result is between the method detection limit and the limit of quantitation.
µg/L	Micrograms per liter.
NA	Not analyzed.
NE	Not established.
ND	Not detected.
PCBs	Polychlorinated Biphenyls.
PAHs	Polycyclic Aromatic Hydrocarbons.
VOCs	Volatile Organic Compounds.

Table 4-3. Groundwater Analytical Results 2010-2013, Madison-Kipp Corporation, Madison, Wisconsin.

Well ID	MP-13 (continued)									
Sample Interval (feet bls)	81-85'	81-85'	81-85'	81-85'	81-85'	102-106'	102-106'	102-106'	102-106'	102-106'
Sample Date	1/19/2013	2/21/2013	4/17/2013	7/22/2013	10/7/2013	12/4/2012	1/18/2013	2/21/2013	4/17/2013	7/22/2013
VOCs (µg/L)										
1,1,1,2-Tetrachloroethane	4.8 J	4.5 J	<5	<2.5	<1.3	<1.3	<0.5	<0.5	<1.3	<1.3
1,1,2-Trichloroethane	<2.8	<1.4	<5.6	<2.8	<1.4	<1.4	<0.56	<0.56	<1.4	<1.4
1,1-Dichloroethene	<3.1	***4.2 J***	<6.2	<3.1	<1.6	<1.6	<0.62	<0.62	<1.6	<1.6
1,2,4-Trimethylbenzene	<1.4	<0.7	<2.8	<1.4	<0.7	<0.7	<0.28	<0.28	<0.7	<0.7
1,2-Dibromoethane	<3.6	<1.8	<7.2	<3.6	<1.8	<1.8	<0.72	<0.72	<1.8	<1.8
1,2-Dichlorobenzene	<2.7	<1.4	<5.4	<2.7	<1.4	<1.4	<0.54	<0.54	<1.4	<1.4
1,2-Dichloropropane	<2	<1	<4	<2	<1	<1	<0.4	<0.4	<1	<1
1,3,5-Trimethylbenzene	<1.8	<0.9	<3.6	<1.8	<0.9	<0.9	<0.36	<0.36	<0.9	<0.9
Benzene	<0.74	<0.37	<1.5	<0.74	<0.37	<0.37	<0.15	<0.15	<0.37	<0.37
Bromoform	<2.8	<1.4	<5.6	<2.8	<1.4	<1.4	<0.56	<0.56	<1.4	<1.4
Bromomethane	<3.1	<1.6	<6.2	<3.1	<1.6	<1.6	<0.62	<0.62	<1.6	<1.6
Carbon tetrachloride	<2.6	<1.3	<5.2	<2.6	<1.3	<1.3	<0.52	<0.52	<1.3	<1.3
Chloroform	<2	<1	<4	<2	<1	<1	<0.4	<0.4	<1	<1
Chloromethane	<1.8	<0.9	<3.6	<1.8	<0.9	<0.9	<0.36	<0.36	<0.9	<0.9
cis-1,2-Dichloroethene	***1,800***	***2,100***	***2,700***	***1,700***	***1,200***	***1,100***	***690***	***520***	***720***	***660***
Dichlorodifluoromethane	<2	<1	<4	<2	<1	<1	<0.4	<0.4	<1	<1
Ethylbenzene	<1.3	<0.65	<2.6	<1.3	<0.65	<0.65	<0.26	<0.26	<0.65	<0.65
Isopropylbenzene	<1.4	<0.7	<2.8	<1.4	<0.7	<0.7	<0.28	<0.28	<0.7	<0.7
Methyl tert-butyl ether	<2.4	<1.2	<4.8	<2.4	<1.2	<1.2	<0.48	<0.48	<1.2	<1.2
Methylene Chloride	<6.8	<3.4	<14	<6.8	<3.4	<3.4	<1.4	<1.4	<3.4	<3.4
Naphthalene	<1.6	<0.8	<3.2	<1.6	<0.8	<0.8	<0.32	<0.32	<0.8	<0.8
n-Butylbenzene	<1.3	<0.65	<2.6	<1.3	<0.65	<0.65	<0.26	<0.26	<0.65	<0.65
N-Propylbenzene	<1.3	<0.65	<2.6	<1.3	<0.65	<0.65	<0.26	<0.26	<0.65	<0.65
p-Isopropyltoluene	<1.7	<0.85	<3.4	<1.7	<0.85	<0.85	<0.34	<0.34	<0.85	<0.85
sec-Butylbenzene	<1.5	<0.75	<3	<1.5	<0.75	<0.75	<0.3	<0.3	<0.75	<0.75
Styrene	<1	<0.5	<2	<1	<0.5	<0.5	<0.2	<0.2	<0.5	<0.5
tert-Butylbenzene	<1.4	<0.7	<2.8	<1.4	<0.7	<0.7	<0.28	<0.28	<0.7	<0.7
Tetrachloroethene	***6,800***	***7,000***	***7,900***	***6,800***	***5,400***	***1,800***	***1,100***	***670***	***1,400***	***1,500***
Toluene	<1.1	<0.55	<2.2	<1.1	<0.55	<0.55	<0.22	<0.22	<0.55	<0.55
trans-1,2-Dichloroethene	***38***	***38***	***48***	***29***	19	15	10	5	7	6
Trichloroethene	***1,100***	***1,100***	***1,200***	***900***	***660***	***440***	***330***	***270***	***500***	***450***
Vinyl chloride	***120***	***110***	***99***	***75***	***48***	***33***	***23***	***13***	***20***	***19***
Xylenes, Total	<0.68	<0.34	<1.4	<0.68	<0.34	<0.34	<0.14	<0.14	<0.34	<0.34

Footnotes on Page 60.

Table 4-3. Groundwater Analytical Results 2010-2013, Madison-Kipp Corporation, Madison, Wisconsin.

Well ID	MP-13 (continued)									
Sample Interval (feet bls)	81-85'	81-85'	81-85'	81-85'	81-85'	102-106'	102-106'	102-106'	102-106'	102-106'
Sample Date	1/19/2013	2/21/2013	4/17/2013	7/22/2013	10/7/2013	12/4/2012	1/18/2013	2/21/2013	4/17/2013	7/22/2013
PAHs (µg/L)										
1-Methylnaphthalene	NA	NA	NA	NA	NA	<1	NA	NA	NA	NA
2-Methylnaphthalene	NA	NA	NA	NA	NA	<0.13	NA	NA	NA	NA
Naphthalene	NA	NA	NA	NA	NA	<0.31	NA	NA	NA	NA
Total PCBs (µg/L)										
Aroclor1016	NA	NA	NA	NA	NA	<0.15	NA	NA	NA	NA
Aroclor1232	NA	NA	NA	NA	NA	<0.083	NA	NA	NA	NA
Aroclor1242	NA	NA	NA	NA	NA	<0.12	NA	NA	NA	NA
Total Detected PCBs	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA
Dissolved PCBs (µg/L)										
Aroclor1016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor1232	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor1242	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Detected PCBs	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Metals (µg/L)										
Arsenic	<0.15	<0.15	NA	NA	NA	0.24 J	0.32 J	0.17 J	NA	NA
Barium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	0.79 J	<0.64	NA	NA	NA	4.2 J	2.6 J	1.0 J	NA	NA
Iron	<37	<37	NA	NA	NA	46 J B	<37	<37	NA	NA
Lead	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	6.1	3.9	NA	NA	NA	***83***	***100***	***68 V***	NA	NA

Footnotes on Page 60.

Table 4-3. Groundwater Analytical Results 2010-2013, Madison-Kipp Corporation, Madison, Wisconsin.

Well ID	MP-13 (continued)									
Sample Interval (feet bls)	81-85'	81-85'	81-85'	81-85'	81-85'	102-106'	102-106'	102-106'	102-106'	102-106'
Sample Date	1/19/2013	2/21/2013	4/17/2013	7/22/2013	10/7/2013	12/4/2012	1/18/2013	2/21/2013	4/17/2013	7/22/2013
Total Metals (µg/L) (continued)										
Mercury	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dissolved Metals (µg/L)										
Arsenic	<0.15	<0.15	NA	NA	NA	0.21 J	0.20 J	0.20 J	NA	NA
Barium	23	24	NA	NA	NA	65 B	45	38	NA	NA
Cadmium	<0.1	<0.1	NA	NA	NA	0.17 J	<0.1	<0.1	NA	NA
Chromium	<0.64	<0.64	NA	NA	NA	<0.64	<0.64	<0.64	NA	NA
Iron	<37	<37	NA	NA	NA	<37	<37	<37	NA	NA
Lead	<0.16	<0.16	NA	NA	NA	0.20 J	<0.16	1	NA	NA
Manganese	6.3	4.8	NA	NA	NA	***86***	***97***	***68***	NA	NA
Mercury	<0.071	<0.071	NA	NA	NA	<0.071	<0.071	<0.071	NA	NA
Selenium	<0.25	<0.25	NA	NA	NA	0.54 J	0.36 J	0.29 J	NA	NA
Silver	<0.069	<0.069	NA	NA	NA	<0.069	<0.069	<0.069	NA	NA

Only VOCs, PAHs, and PCBs detected in one or more water samples are listed on the table. Refer to laboratory analytical reports for a complete list of constituents analyzed.

100	Concentration exceeds the NR 140 Wis. adm. code Preventive Action Limit.
100	Concentration exceeds the NR 140 Wis. adm. code Enforcement Standard.
<	Constituent not detected above noted laboratory detection limit.
*	Data is suspect and not used in evaluation.
B	Compound was found in the blank and the sample.
bls	Below land surface.
J	Result is between the method detection limit and the limit of quantitation.
µg/L	Micrograms per liter.
NA	Not analyzed.
NE	Not established.
ND	Not detected.
PCBs	Polychlorinated Biphenyls.
PAHs	Polycyclic Aromatic Hydrocarbons.
VOCs	Volatile Organic Compounds.

Table 4-3. Groundwater Analytical Results 2010-2013, Madison-Kipp Corporation, Madison, Wisconsin.

Well ID	MP-13 (continued)									
Sample Interval (feet bls)	**102-106'**	**121-125'**	**121-125'**	**121-125'**	**121-125'**	**121-125'**	**121-125'**	**135-139'**	**135-139'**	**135-139'**
Sample Date	**10/7/2013**	**12/4/2012**	**1/18/2013**	**2/20/2013**	**4/17/2013**	**7/22/2013**	**10/7/2013**	**12/4/2012**	**1/17/2013**	**2/20/2013**
VOCs (µg/L)										
1,1,1,2-Tetrachloroethane	<1.3	<0.5	<1.3	NA	<5	<2.5	1.1	<0.5	<1.3	NA
1,1,2-Trichloroethane	<1.4	<0.56	<1.4	NA	<5.6	<2.8	<0.28	<0.56	<1.4	NA
1,1-Dichloroethene	<1.6	<0.62	<1.6	NA	<6.2	<3.1	<0.31	***1.5 J***	<1.6	NA
1,2,4-Trimethylbenzene	<0.7	<0.28	<0.7	NA	<2.8	<1.4	<0.14	<0.28	<0.7	NA
1,2-Dibromoethane	<1.8	<0.72	<1.8	NA	<7.2	<3.6	<0.36	<0.72	<1.8	NA
1,2-Dichlorobenzene	<1.4	<0.54	<1.4	NA	<5.4	<2.7	<0.27	<0.54	<1.4	NA
1,2-Dichloropropane	<1	<0.4	<1	NA	<4	<2	<0.2	<0.4	<1	NA
1,3,5-Trimethylbenzene	<0.9	<0.36	<0.9	NA	<3.6	<1.8	<0.18	<0.36	<0.9	NA
Benzene	<0.37	<0.15	<0.37	NA	<1.5	<0.74	0.29 J	0.41 J	***1.1 J***	NA
Bromoform	<1.4	<0.56	<1.4	NA	<5.6	<2.8	<0.28	<0.56	<1.4	NA
Bromomethane	<1.6	<0.62	<1.6	NA	<6.2	<3.1	<0.31	<0.62	<1.6	NA
Carbon tetrachloride	<1.3	<0.52	<1.3	NA	<5.2	<2.6	<0.26	<0.52	<1.3	NA
Chloroform	<1	<0.4	<1	NA	<4	<2	<0.2	<0.4	<1	NA
Chloromethane	<0.9	<0.36	<0.9	NA	<3.6	<1.8	<0.18	<0.36	<0.9	NA
cis-1,2-Dichloroethene	***600***	***910***	***1,000***	NA	***930***	***760***	***650***	***1,100***	***910***	NA
Dichlorodifluoromethane	<1	<0.4	<1	NA	<4	<2	<0.2	<0.4	<1	NA
Ethylbenzene	<0.65	<0.26	<0.65	NA	<2.6	<1.3	<0.13	<0.26	<0.65	NA
Isopropylbenzene	<0.7	<0.28	<0.7	NA	<2.8	<1.4	<0.14	<0.28	<0.7	NA
Methyl tert-butyl ether	<1.2	<0.48	<1.2	NA	<4.8	<2.4	<0.24	<0.48	<1.2	NA
Methylene Chloride	<3.4	<1.4	<3.4	NA	<14	<6.8	<0.68	<1.4	<3.4	NA
Naphthalene	<0.8	<0.32	<0.8	NA	<3.2	<1.6	<0.16	<0.32	<0.8	NA
n-Butylbenzene	<0.65	<0.26	<0.65	NA	<2.6	<1.3	<0.13	<0.26	<0.65	NA
N-Propylbenzene	<0.65	<0.26	<0.65	NA	<2.6	<1.3	<0.13	<0.26	<0.65	NA
p-Isopropyltoluene	<0.85	<0.34	<0.85	NA	<3.4	<1.7	<0.17	<0.34	<0.85	NA
sec-Butylbenzene	<0.75	<0.3	<0.75	NA	<3	<1.5	<0.15	<0.3	<0.75	NA
Styrene	<0.5	<0.2	<0.5	NA	<2	<1	<0.1	<0.2	<0.5	NA
tert-Butylbenzene	<0.7	<0.28	<0.7	NA	<2.8	<1.4	<0.14	<0.28	<0.7	NA
Tetrachloroethene	***1,900***	***1,500***	***2,600***	NA	***7,000***	***6,300***	***6,500***	***1,900***	***2,300***	NA
Toluene	<0.55	<0.22	<0.55	NA	<2.2	<1.1	<0.11	<0.22	<0.55	NA
trans-1,2-Dichloroethene	7	12	17	NA	12 J	12	9.7	17	15	NA
Trichloroethene	***490***	***340***	***460***	NA	***600***	***510***	***550***	***450***	***430***	NA
Vinyl chloride	***20***	***36***	***54***	NA	***13***	***9.3***	***8.1***	***50***	***42***	NA
Xylenes, Total	<0.34	<0.14	<0.34	NA	<1.4	<0.68	<0.068	<0.14	<0.34	NA

Footnotes on Page 63.

Table 4-3. Groundwater Analytical Results 2010-2013, Madison-Kipp Corporation, Madison, Wisconsin.

Well ID	MP-13 (continued)									
Sample Interval (feet bls)	**102-106'**	**121-125'**	**121-125'**	**121-125'**	**121-125'**	**121-125'**	**121-125'**	**135-139'**	**135-139'**	**135-139'**
Sample Date	**10/7/2013**	**12/4/2012**	**1/18/2013**	**2/20/2013**	**4/17/2013**	**7/22/2013**	**10/7/2013**	**12/4/2012**	**1/17/2013**	**2/20/2013**
PAHs (µg/L)										
1-Methylnaphthalene	NA	<1.1	NA	NA	NA	NA	NA	<1	NA	NA
2-Methylnaphthalene	NA	<0.14	NA	NA	NA	NA	NA	<0.13	NA	NA
Naphthalene	NA	<0.32	NA	NA	NA	NA	NA	<0.3	NA	NA
Total PCBs (µg/L)										
Aroclor1016	NA	<0.15	NA	NA	NA	NA	NA	<0.15	NA	NA
Aroclor1232	NA	<0.084	NA	NA	NA	NA	NA	<0.083	NA	NA
Aroclor1242	NA	<0.12	NA	NA	NA	NA	NA	<0.12	NA	NA
Total Detected PCBs	NA	ND	NA	NA	NA	NA	NA	ND	NA	NA
Dissolved PCBs (µg/L)										
Aroclor1016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor1232	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor1242	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Detected PCBs	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Metals (µg/L)										
Arsenic	NA	0.18 J	0.29 J	0.17 J	NA	NA	NA	0.15 J	<0.15	<0.15
Barium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	NA	***12***	1.4 J	1.2 J	NA	NA	NA	9.6	***34***	<0.64
Iron	NA	***230 B***	<37	<37	NA	NA	NA	86 J B	150	<37
Lead	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	NA	***63***	51	41 B	NA	NA	NA	42	19	9.7 B

Footnotes on Page 63.

Table 4-3. Groundwater Analytical Results 2010-2013, Madison-Kipp Corporation, Madison, Wisconsin.

Well ID	MP-13 (continued)									
Sample Interval (feet bls)	**102-106'**	**121-125'**	**121-125'**	**121-125'**	**121-125'**	**121-125'**	**121-125'**	**135-139'**	**135-139'**	**135-139'**
Sample Date	**10/7/2013**	**12/4/2012**	**1/18/2013**	**2/20/2013**	**4/17/2013**	**7/22/2013**	**10/7/2013**	**12/4/2012**	**1/17/2013**	**2/20/2013**
Total Metals (µg/L) (continued)										
Mercury	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dissolved Metals (µg/L)										
Arsenic	NA	0.38 J	0.27 J	0.19 J	NA	NA	NA	<0.15	<0.15	<0.15
Barium	NA	72 B	57	52	NA	NA	NA	66 B	42	34
Cadmium	NA	<0.1	<0.1	<0.1	NA	NA	NA	<0.1	<0.1	<0.1
Chromium	NA	<0.64	<0.64	<0.64	NA	NA	NA	<0.64	<0.64	<0.64
Iron	NA	120 B	<37	<37	NA	NA	NA	43 J B	<37	<37
Lead	NA	0.23 J	0.30 J	0.29 J B	NA	NA	NA	0.58	0.86	0.63 B
Manganese	NA	***67***	54	41 B	NA	NA	NA	43	17	9.5 B
Mercury	NA	<0.071	<0.071	<0.071	NA	NA	NA	<0.071	NA	<0.071
Selenium	NA	0.56 J	0.43 J	0.41 J	NA	NA	NA	0.55 J	0.34 J	<0.25
Silver	NA	<0.069	<0.069	<0.069	NA	NA	NA	<0.069	<0.069	<0.069

Only VOCs, PAHs, and PCBs detected in one or more water samples are listed on the table. Refer to laboratory analytical reports for a complete list of constituents analyzed.

100	Concentration exceeds the NR 140 Wis. adm. code Preventive Action Limit.
100	Concentration exceeds the NR 140 Wis. adm. code Enforcement Standard.
<	Constituent not detected above noted laboratory detection limit.
*	Data is suspect and not used in evaluation.
B	Compound was found in the blank and the sample.
bls	Below land surface.
J	Result is between the method detection limit and the limit of quantitation.
µg/L	Micrograms per liter.
NA	Not analyzed.
NE	Not established.
ND	Not detected.
PCBs	Polychlorinated Biphenyls.
PAHs	Polycyclic Aromatic Hydrocarbons.
VOCs	Volatile Organic Compounds.

Table 4-3. Groundwater Analytical Results 2010-2013, Madison-Kipp Corporation, Madison, Wisconsin.

Well ID	MP-13 (continued)									MP-14
Sample Interval (feet bls)	135-139'	135-139'	135-139'	163-167'	163-167'	163-167'	163-167'	163-167'	163-167'	70-75'
Sample Date	4/17/2013	7/22/2013	10/7/2013	12/4/2012	1/16/2013	2/20/2013	4/17/2013	7/22/2013	10/7/2013	1/21/2013
VOCs (µg/L)										
1,1,1,2-Tetrachloroethane	<2.5	<2.5	<1.3	<1.3	<0.25	NA	<0.5	<0.25	<0.25	<0.25
1,1,2-Trichloroethane	<2.8	<2.8	<1.4	<1.4	<0.28	NA	<0.56	<0.28	<0.28	<0.28
1,1-Dichloroethene	<3.1	<3.1	<1.6	<1.6	***0.97 J***	NA	<0.62	<0.31	<0.31	<0.31
1,2,4-Trimethylbenzene	<1.4	<1.4	<0.7	<0.7	<0.14	NA	<0.28	<0.14	<0.14	<0.14
1,2-Dibromoethane	<3.6	<3.6	<1.8	<1.8	<0.36	NA	<0.72	<0.36	<0.36	<0.36
1,2-Dichlorobenzene	<2.7	<2.7	<1.4	<1.4	<0.27	NA	<0.54	<0.27	<0.27	<0.27
1,2-Dichloropropane	<2	<2	<1	<1	<0.2	NA	<0.4	<0.2	<0.2	<0.2
1,3,5-Trimethylbenzene	<1.8	<1.8	<0.9	<0.9	<0.18	NA	<0.36	<0.18	<0.18	<0.18
Benzene	<0.74	<0.74	<0.37	<0.37	<0.074	NA	<0.15	<0.074	<0.074	<0.074
Bromoform	<2.8	<2.8	<1.4	<1.4	<0.28	NA	<0.56	<0.28	<0.28	<0.28
Bromomethane	<3.1	<3.1	<1.6	<1.6	<0.31	NA	<0.62	<0.31	<0.31	<0.31
Carbon tetrachloride	<2.6	<2.6	<1.3	<1.3	<0.26	NA	<0.52	<0.26	<0.26	<0.26
Chloroform	<2	<2	<1	<1	<0.2	NA	<0.4	<0.2	<0.2	<0.2
Chloromethane	<1.8	<1.8	<0.9	<0.9	<0.18	NA	<0.36	<0.18	<0.18	<0.18
cis-1,2-Dichloroethene	***540***	***420***	***380***	***970***	***730***	NA	***460***	***200***	***170***	<0.12
Dichlorodifluoromethane	<2	<2	<1	<1	<0.2	NA	<0.4	<0.2	<0.2	<0.2
Ethylbenzene	<1.3	<1.3	<0.65	<0.65	<0.13	NA	<0.26	<0.13	<0.13	<0.13
Isopropylbenzene	<1.4	<1.4	<0.7	<0.7	<0.14	NA	<0.28	<0.14	<0.14	<0.14
Methyl tert-butyl ether	<2.4	<2.4	<1.2	<1.2	<0.24	NA	<0.48	<0.24	<0.24	<0.24
Methylene Chloride	<6.8	<6.8	<3.4	<3.4	<0.68	NA	<1.4	<0.68	<0.68	<0.68
Naphthalene	<1.6	<1.6	<0.8	<0.8	<0.16	NA	<0.32	<0.16	<0.16	<0.16
n-Butylbenzene	<1.3	<1.3	<0.65	<0.65	<0.13	NA	<0.26	<0.13	<0.13	<0.13
N-Propylbenzene	<1.3	<1.3	<0.65	<0.65	<0.13	NA	<0.26	<0.13	<0.13	<0.13
p-Isopropyltoluene	<1.7	<1.7	<0.85	<0.85	<0.17	NA	<0.34	<0.17	<0.17	<0.17
sec-Butylbenzene	<1.5	<1.5	<0.75	<0.75	<0.15	NA	<0.3	<0.15	<0.15	<0.15
Styrene	<1	<1	<0.5	<0.5	<0.1	NA	<0.2	<0.1	<0.1	<0.1
tert-Butylbenzene	<1.4	<1.4	<0.7	<0.7	<0.14	NA	<0.28	<0.14	<0.14	<0.14
Tetrachloroethene	***3,800***	***4,200***	***6,500***	***1,400***	***930***	NA	***840***	***510***	***680***	***0.71 J***
Toluene	<1.1	<1.1	<0.55	<0.55	<0.11	NA	<0.22	<0.11	<0.11	<0.11
trans-1,2-Dichloroethene	8.5 J	5.4 J	<1.3	15	13	NA	8	3	3	<0.25
Trichloroethene	***310***	***260***	***310***	***370***	***250***	NA	***200***	***92***	***96***	<0.19
Vinyl chloride	***11***	***8.1***	***5.8***	***41***	***27***	NA	***6.8***	***0.74***	***0.72***	<0.1
Xylenes, Total	<0.68	<0.68	<0.34	<0.34	<0.068	NA	<0.14	<0.068	<0.068	<0.068

Footnotes on Page 66.

Table 4-3. Groundwater Analytical Results 2010-2013, Madison-Kipp Corporation, Madison, Wisconsin.

Well ID	MP-13 (continued)									MP-14
Sample Interval (feet bls)	135-139'	135-139'	135-139'	163-167'	163-167'	163-167'	163-167'	163-167'	163-167'	70-75'
Sample Date	4/17/2013	7/22/2013	10/7/2013	12/4/2012	1/16/2013	2/20/2013	4/17/2013	7/22/2013	10/7/2013	1/21/2013
PAHs (µg/L)										
1-Methylnaphthalene	NA	NA	NA	<1	NA	NA	NA	NA	NA	NA
2-Methylnaphthalene	NA	NA	NA	<0.13	NA	NA	NA	NA	NA	NA
Naphthalene	NA	NA	NA	<0.3	NA	NA	NA	NA	NA	NA
Total PCBs (µg/L)										
Aroclor1016	NA	NA	NA	<0.15	NA	NA	NA	NA	NA	NA
Aroclor1232	NA	NA	NA	<0.083	NA	NA	NA	NA	NA	NA
Aroclor1242	NA	NA	NA	<0.12	NA	NA	NA	NA	NA	NA
Total Detected PCBs	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA
Dissolved PCBs (µg/L)										
Aroclor1016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor1232	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor1242	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Detected PCBs	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Metals (µg/L)										
Arsenic	NA	NA	NA	0.15 J	<0.15	<0.15	NA	NA	NA	NA
Barium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	NA	NA	NA	<0.64	1.2 J	<0.64	NA	NA	NA	NA
Iron	NA	NA	NA	***200 B***	<37	<37	NA	NA	NA	NA
Lead	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	NA	NA	NA	***100***	***66***	56 B	NA	NA	NA	NA

Footnotes on Page 66.

Table 4-3. Groundwater Analytical Results 2010-2013, Madison-Kipp Corporation, Madison, Wisconsin.

Well ID	MP-13 (continued)									MP-14
Sample Interval (feet bls)	135-139'	135-139'	135-139'	163-167'	163-167'	163-167'	163-167'	163-167'	163-167'	70-75'
Sample Date	4/17/2013	7/22/2013	10/7/2013	12/4/2012	1/16/2013	2/20/2013	4/17/2013	7/22/2013	10/7/2013	1/21/2013
Total Metals (µg/L) (continued)										
Mercury	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dissolved Metals (µg/L)										
Arsenic	NA	NA	NA	<0.15	<0.15	<0.15	NA	NA	NA	NA
Barium	NA	NA	NA	70 B	45	40	NA	NA	NA	NA
Cadmium	NA	NA	NA	<0.1	<0.1	<0.1	NA	NA	NA	NA
Chromium	NA	NA	NA	<0.64	<0.64	<0.64	NA	NA	NA	NA
Iron	NA	NA	NA	52 J B	49 J B	<37	NA	NA	NA	NA
Lead	NA	NA	NA	<0.16	<0.16	0.30 J B	NA	NA	NA	NA
Manganese	NA	NA	NA	***100***	***66***	57 B	NA	NA	NA	NA
Mercury	NA	NA	NA	<0.071	<0.071	<0.071	NA	NA	NA	NA
Selenium	NA	NA	NA	0.61 J	0.38 J	0.35 J	NA	NA	NA	NA
Silver	NA	NA	NA	<0.069	<0.069	<0.069	NA	NA	NA	NA

Only VOCs, PAHs, and PCBs detected in one or more water samples are listed on the table. Refer to laboratory analytical reports for a complete list of constituents analyzed.

100	Concentration exceeds the NR 140 Wis. adm. code Preventive Action Limit.
100	Concentration exceeds the NR 140 Wis. adm. code Enforcement Standard.
<	Constituent not detected above noted laboratory detection limit.
*	Data is suspect and not used in evaluation.
B	Compound was found in the blank and the sample.
bls	Below land surface.
J	Result is between the method detection limit and the limit of quantitation.
µg/L	Micrograms per liter.
NA	Not analyzed.
NE	Not established.
ND	Not detected.
PCBs	Polychlorinated Biphenyls.
PAHs	Polycyclic Aromatic Hydrocarbons.
VOCs	Volatile Organic Compounds.

Table 4-3. Groundwater Analytical Results 2010-2013, Madison-Kipp Corporation, Madison, Wisconsin.

Well ID	MP-14										
Sample Interval (feet bls)	70-75'	70-75'	70-75'	70-75'	100-105'	100-105'	100-105'	100-105'	100-105'	135-140'	135-140'
Sample Date	4/16/2013	7/16/2013	7/22/2013	10/8/2013	1/21/2013	4/16/2013	7/16/2013	7/22/2013	10/8/2013	1/21/2013	4/16/2013
VOCs (µg/L)											
1,1,1,2-Tetrachloroethane	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25
1,1,2-Trichloroethane	<0.28	<0.28	<0.28	<0.28	<0.28	<0.28	<0.28	<0.28	<0.28	<0.28	<0.28
1,1-Dichloroethene	<0.31	<0.31	<0.31	<0.31	<0.31	<0.31	<0.31	<0.31	<0.31	<0.31	<0.31
1,2,4-Trimethylbenzene	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14
1,2-Dibromoethane	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36
1,2-Dichlorobenzene	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27
1,2-Dichloropropane	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
1,3,5-Trimethylbenzene	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18
Benzene	<0.074	<0.074	<0.074	<0.074	<0.074	<0.074	<0.074	<0.074	<0.074	<0.074	<0.074
Bromoform	<0.28	<0.28	<0.28	<0.28	<0.28	<0.28	<0.28	<0.28	<0.28	<0.28	<0.28
Bromomethane	<0.31	<0.31	<0.31	<0.31	<0.31	<0.31	<0.31	<0.31	<0.31	<0.31	<0.31
Carbon tetrachloride	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26
Chloroform	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Chloromethane	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18
cis-1,2-Dichloroethene	<0.12	<0.12	<0.12	<0.12	<0.12	<0.12	<0.12	<0.12	<0.12	<0.12	***17***
Dichlorodifluoromethane	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	0.72 J	<0.2	<0.2	<0.2
Ethylbenzene	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13
Isopropylbenzene	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14
Methyl tert-butyl ether	<0.24	<0.24	<0.24	<0.24	<0.24	<0.24	<0.24	<0.24	<0.24	<0.24	<0.24
Methylene Chloride	<0.68	<0.68	<0.68	<0.68	<0.68	<0.68	<0.68	<0.68	<0.68	<0.68	<0.68
Naphthalene	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16
n-Butylbenzene	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13
N-Propylbenzene	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13
p-Isopropyltoluene	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17
sec-Butylbenzene	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15
Styrene	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
tert-Butylbenzene	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14
Tetrachloroethene	<0.17	<0.17	<0.17	<0.17	***1.5***	<0.17	<0.17	<0.17	***1.7***	***1.7***	***430***
Toluene	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11
trans-1,2-Dichloroethene	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25
Trichloroethene	<0.19	<0.19	<0.19	<0.19	<0.19	<0.19	<0.19	<0.19	<0.19	0.24 J	***31***
Vinyl chloride	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Xylenes, Total	<0.068	<0.068	<0.068	<0.068	<0.068	<0.068	<0.068	<0.068	<0.068	<0.068	<0.068

Footnotes on Page 69.

Table 4-3. Groundwater Analytical Results 2010-2013, Madison-Kipp Corporation, Madison, Wisconsin.

Well ID	MP-14										
Sample Interval (feet bls)	70-75'	70-75'	70-75'	70-75'	100-105'	100-105'	100-105'	100-105'	100-105'	135-140'	135-140'
Sample Date	4/16/2013	7/16/2013	7/22/2013	10/8/2013	1/21/2013	4/16/2013	7/16/2013	7/22/2013	10/8/2013	1/21/2013	4/16/2013
PAHs (µg/L)											
1-Methylnaphthalene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Methylnaphthalene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Naphthalene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total PCBs (µg/L)											
Aroclor1016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor1232	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor1242	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Detected PCBs	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dissolved PCBs (µg/L)											
Aroclor1016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor1232	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor1242	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Detected PCBs	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Metals (µg/L)											
Arsenic	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Footnotes on Page 69.

Table 4-3. Groundwater Analytical Results 2010-2013, Madison-Kipp Corporation, Madison, Wisconsin.

Well ID	MP-14										
Sample Interval (feet bls)	70-75'	70-75'	70-75'	70-75'	100-105'	100-105'	100-105'	100-105'	100-105'	135-140'	135-140'
Sample Date	4/16/2013	7/16/2013	7/22/2013	10/8/2013	1/21/2013	4/16/2013	7/16/2013	7/22/2013	10/8/2013	1/21/2013	4/16/2013
Total Metals (µg/L) (continued)											
Mercury	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dissolved Metals (µg/L)											
Arsenic	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Only VOCs, PAHs, and PCBs detected in one or more water samples are listed on the table. Refer to laboratory analytical reports for a complete list of constituents analyzed.

100	Concentration exceeds the NR 140 Wis. adm. code Preventive Action Limit.
100	Concentration exceeds the NR 140 Wis. adm. code Enforcement Standard.
<	Constituent not detected above noted laboratory detection limit.
*	Data is suspect and not used in evaluation.
B	Compound was found in the blank and the sample.
bls	Below land surface.
J	Result is between the method detection limit and the limit of quantitation.
µg/L	Micrograms per liter.
NA	Not analyzed.
NE	Not established.
ND	Not detected.
PCBs	Polychlorinated Biphenyls.
PAHs	Polycyclic Aromatic Hydrocarbons.
VOCs	Volatile Organic Compounds.

Table 4-3. Groundwater Analytical Results 2010-2013, Madison-Kipp Corporation, Madison, Wisconsin.

Well ID	MP-14 (continued)								MP-15		
Sample Interval (feet bls)	135-140'	135-140'	135-140'	170 - 178'	170-178'	170-178'	170-178'	170-178'	88-92'	88-92'	88-92'
Sample Date	7/16/2013	7/22/2013	10/8/2013	1/21/2013	4/16/2013	7/16/2013	7/22/2013	10/8/2013	1/22/2013	4/15/2013	7/22/2013
VOCs (µg/L)											
1,1,1,2-Tetrachloroethane	<0.5	<0.25	<0.5	<0.25	<0.25	<0.5	<0.25	<0.5	<0.25	<0.25	<0.25
1,1,2-Trichloroethane	<0.56	<0.28	<0.56	<0.28	<0.28	<0.56	<0.28	<0.56	<0.28	***2.2***	<0.28
1,1-Dichloroethene	<0.62	<0.31	<0.62	<0.31	<0.31	<0.62	<0.31	<0.62	<0.31	<0.31	<0.31
1,2,4-Trimethylbenzene	<0.28	<0.14	<0.28	<0.14	<0.14	<0.28	<0.14	<0.28	<0.14	<0.14	<0.14
1,2-Dibromoethane	<0.72	<0.36	<0.72	<0.36	<0.36	<0.72	<0.36	<0.72	<0.36	<0.36	<0.36
1,2-Dichlorobenzene	<0.54	<0.27	<0.54	<0.27	<0.27	<0.54	<0.27	<0.54	<0.27	<0.27	<0.27
1,2-Dichloropropane	<0.4	<0.2	<0.4	<0.2	<0.2	<0.4	<0.2	<0.4	<0.2	<0.2	<0.2
1,3,5-Trimethylbenzene	<0.36	<0.18	<0.36	<0.18	<0.18	<0.36	<0.18	<0.36	<0.18	<0.18	<0.18
Benzene	<0.15	<0.074	<0.15	<0.074	<0.074	<0.15	<0.074	<0.15	<0.074	<0.074	<0.074
Bromoform	<0.56	<0.28	<0.56	<0.28	<0.28	<0.56	<0.28	<0.56	<0.28	<0.28	<0.28
Bromomethane	<0.62	<0.31	<0.62	<0.31	<0.31	<0.62	<0.31	<0.62	<0.31	<0.31	<0.31
Carbon tetrachloride	<0.52	<0.26	<0.52	<0.26	<0.26	<0.52	<0.26	<0.52	<0.26	<0.26	<0.26
Chloroform	<0.4	<0.2	<0.4	<0.2	<0.2	<0.4	<0.2	<0.4	<0.2	<0.2	<0.2
Chloromethane	<0.36	<0.18	<0.36	<0.18	<0.18	<0.36	<0.18	<0.36	<0.18	<0.18	<0.18
cis-1,2-Dichloroethene	***27***	***29***	***27***	<0.12	<0.12	***22***	***21***	***22***	***7.5***	***23***	***14***
Dichlorodifluoromethane	<0.4	<0.2	<0.4	<0.2	<0.2	<0.4	<0.2	<0.4	<0.2	<0.2	<0.2
Ethylbenzene	<0.26	<0.13	<0.26	<0.13	<0.13	<0.26	<0.13	<0.26	<0.13	<0.13	<0.13
Isopropylbenzene	<0.28	<0.14	<0.28	<0.14	<0.14	<0.28	<0.14	<0.28	<0.14	<0.14	<0.14
Methyl tert-butyl ether	<0.48	<0.24	<0.48	<0.24	<0.24	<0.48	<0.24	<0.48	2	0.84 J	<0.24
Methylene Chloride	<1.4	<0.68	<1.4	<0.68	<0.68	<1.4	<0.68	<1.4	<0.68	<0.68	<0.68
Naphthalene	<0.32	<0.16	<0.32	<0.16	<0.16	<0.32	<0.16	<0.32	<0.16	<0.16	<0.16
n-Butylbenzene	<0.26	<0.13	<0.26	<0.13	<0.13	<0.26	<0.13	<0.26	<0.13	<0.13	<0.13
N-Propylbenzene	<0.26	<0.13	<0.26	<0.13	<0.13	<0.26	<0.13	<0.26	<0.13	<0.13	<0.13
p-Isopropyltoluene	<0.34	<0.17	<0.34	<0.17	<0.17	<0.34	<0.17	<0.34	<0.17	<0.17	<0.17
sec-Butylbenzene	<0.3	<0.15	<0.3	<0.15	<0.15	<0.3	<0.15	<0.3	<0.15	<0.15	<0.15
Styrene	<0.2	<0.1	<0.2	<0.1	<0.1	<0.2	<0.1	<0.2	<0.1	<0.1	<0.1
tert-Butylbenzene	<0.28	<0.14	<0.28	<0.14	<0.14	<0.28	<0.14	<0.28	<0.14	<0.14	<0.14
Tetrachloroethene	***820***	***920***	***970***	***1.2***	***9.2***	***520***	***520***	***640***	***130***	***160***	***130***
Toluene	<0.22	<0.11	<0.22	<0.11	<0.11	<0.22	<0.11	<0.22	<0.11	<0.11	<0.11
trans-1,2-Dichloroethene	<0.5	<0.25	<0.5	<0.25	<0.25	<0.5	<0.25	<0.5	<0.25	<0.25	<0.25
Trichloroethene	***53***	***51***	***53***	<0.19	***0.78***	***42***	***37***	***37***	***11***	***15***	***12***
Vinyl chloride	<0.2	<0.1	***0.53 J***	<0.1	<0.1	<0.2	<0.1	<0.2	<0.1	<0.1	<0.1
Xylenes, Total	<0.14	<0.068	<0.14	<0.068	<0.068	<0.14	<0.068	<0.14	<0.068	<0.068	<0.068

Footnotes on Page 72.

Table 4-3. Groundwater Analytical Results 2010-2013, Madison-Kipp Corporation, Madison, Wisconsin.

Well ID	MP-14 (continued)								MP-15		
Sample Interval (feet bls)	135-140'	135-140'	135-140'	170 - 178'	170-178'	170-178'	170-178'	170-178'	88-92'	88-92'	88-92'
Sample Date	7/16/2013	7/22/2013	10/8/2013	1/21/2013	4/16/2013	7/16/2013	7/22/2013	10/8/2013	1/22/2013	4/15/2013	7/22/2013
PAHs (µg/L)											
1-Methylnaphthalene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Methylnaphthalene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Naphthalene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total PCBs (µg/L)											
Aroclor1016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor1232	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor1242	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Detected PCBs	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dissolved PCBs (µg/L)											
Aroclor1016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor1232	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor1242	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Detected PCBs	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Metals (µg/L)											
Arsenic	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Footnotes on Page 72.

Table 4-3. Groundwater Analytical Results 2010-2013, Madison-Kipp Corporation, Madison, Wisconsin.

Well ID	MP-14 (continued)								MP-15		
Sample Interval (feet bls)	135-140'	135-140'	135-140'	170 - 178'	170-178'	170-178'	170-178'	170-178'	88-92'	88-92'	88-92'
Sample Date	7/16/2013	7/22/2013	10/8/2013	1/21/2013	4/16/2013	7/16/2013	7/22/2013	10/8/2013	1/22/2013	4/15/2013	7/22/2013
Total Metals (µg/L) (continued)											
Mercury	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dissolved Metals (µg/L)											
Arsenic	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Only VOCs, PAHs, and PCBs detected in one or more water samples are listed on the table. Refer to laboratory analytical reports for a complete list of constituents analyzed.

100	Concentration exceeds the NR 140 Wis. adm. code Preventive Action Limit.
100	Concentration exceeds the NR 140 Wis. adm. code Enforcement Standard.
<	Constituent not detected above noted laboratory detection limit.
*	Data is suspect and not used in evaluation.
B	Compound was found in the blank and the sample.
bls	Below land surface.
J	Result is between the method detection limit and the limit of quantitation.
µg/L	Micrograms per liter.
NA	Not analyzed.
NE	Not established.
ND	Not detected.
PCBs	Polychlorinated Biphenyls.
PAHs	Polycyclic Aromatic Hydrocarbons.
VOCs	Volatile Organic Compounds.

Table 4-3. Groundwater Analytical Results 2010-2013, Madison-Kipp Corporation, Madison, Wisconsin.

Well ID	MP-15 (continued)									
Sample Interval (feet bls)	**88-92'**	**100-105'**	**100-105'**	**100-105'**	**100-105'**	**120-125'**	**120-125'**	**120-125'**	**120-125'**	**142-146'**
Sample Date	**10/8/2013**	**1/22/2013**	**4/15/2013**	**7/22/2013**	**10/8/2013**	**1/22/2013**	**4/15/2013**	**7/22/2013**	**10/8/2013**	**1/22/2013**
VOCs (µg/L)										
1,1,1,2-Tetrachloroethane	<0.25	<0.25	<0.25	<0.25	<0.5	<0.5	<0.5	<1.3	<1.3	<0.25
1,1,2-Trichloroethane	<0.28	<0.28	<0.28	<0.28	<0.56	<0.56	<0.56	<1.4	<1.4	<0.28
1,1-Dichloroethene	<0.31	<0.31	<0.31	<0.31	<0.62	<0.62	<0.62	<1.6	<1.6	<0.31
1,2,4-Trimethylbenzene	<0.14	<0.14	<0.14	<0.14	<0.28	<0.28	<0.28	<0.7	<0.7	<0.14
1,2-Dibromoethane	<0.36	<0.36	<0.36	<0.36	<0.72	<0.72	<0.72	<1.8	<1.8	<0.36
1,2-Dichlorobenzene	<0.27	<0.27	<0.27	<0.27	<0.54	<0.54	<0.54	<1.4	<1.4	<0.27
1,2-Dichloropropane	<0.2	<0.2	<0.2	<0.2	<0.4	<0.4	<0.4	<1	<1	<0.2
1,3,5-Trimethylbenzene	<0.18	<0.18	<0.18	<0.18	<0.36	<0.36	<0.36	<0.9	<0.9	<0.18
Benzene	<0.074	<0.074	<0.074	<0.074	<0.15	<0.15	<0.15	<0.37	<0.37	<0.074
Bromoform	<0.28	<0.28	<0.28	<0.28	<0.56	<0.56	<0.56	<1.4	<1.4	<0.28
Bromomethane	<0.31	<0.31	<0.31	<0.31	<0.62	<0.62	<0.62	<1.6	<1.6	<0.31
Carbon tetrachloride	<0.26	<0.26	<0.26	<0.26	<0.52	<0.52	<0.52	<1.3	<1.3	<0.26
Chloroform	<0.2	<0.2	<0.2	<0.2	<0.4	<0.4	<0.4	<1	<1	<0.2
Chloromethane	<0.18	<0.18	<0.18	<0.18	<0.36	<0.36	<0.36	<0.9	<0.9	<0.18
cis-1,2-Dichloroethene	***20***	***9.3***	***37***	***68***	***76***	***200***	***230***	***250***	***220***	***9.7***
Dichlorodifluoromethane	<0.2	<0.2	<0.2	<0.2	<0.4	<0.4	<0.4	<1	<1	<0.2
Ethylbenzene	<0.13	<0.13	<0.13	<0.13	<0.26	<0.26	<0.26	<0.65	<0.65	<0.13
Isopropylbenzene	<0.14	<0.14	<0.14	<0.14	<0.28	<0.28	<0.28	<0.7	<0.7	<0.14
Methyl tert-butyl ether	3.3	2.2	1.3	<0.24	<0.48	<0.48	<0.48	<1.2	<1.2	2
Methylene Chloride	<0.68	<0.68	<0.68	<0.68	<1.4	<1.4	<1.4	<3.4	<3.4	<0.68
Naphthalene	<0.16	<0.16	<0.16	<0.16	<0.32	<0.32	<0.32	<0.8	<0.8	<0.16
n-Butylbenzene	<0.13	<0.13	<0.13	<0.13	<0.26	<0.26	<0.26	<0.65	<0.65	<0.13
N-Propylbenzene	<0.13	<0.13	<0.13	<0.13	<0.26	<0.26	<0.26	<0.65	<0.65	<0.13
p-Isopropyltoluene	<0.17	<0.17	<0.17	<0.17	<0.34	<0.34	<0.34	<0.85	<0.85	<0.17
sec-Butylbenzene	<0.15	<0.15	<0.15	<0.15	<0.3	<0.3	<0.3	<0.75	<0.75	<0.15
Styrene	<0.1	<0.1	<0.1	<0.1	<0.2	<0.2	<0.2	<0.5	<0.5	<0.1
tert-Butylbenzene	<0.14	<0.14	<0.14	<0.14	<0.28	<0.28	<0.28	<0.7	<0.7	<0.14
Tetrachloroethene	***220***	***230***	***440***	***660***	***690***	***1,100***	***1,900***	***2,100***	***1,800***	***170***
Toluene	<0.11	<0.11	<0.11	<0.11	<0.22	<0.22	<0.22	<0.55	<0.55	<0.11
trans-1,2-Dichloroethene	<0.25	<0.25	<0.25	0.51 J	<0.5	1.3 J	1.7 J	<1.3	<1.3	<0.25
Trichloroethene	***19***	***16***	***41***	***65***	***72***	***160***	***210***	***220***	***190***	***14***
Vinyl chloride	<0.1	<0.1	<0.1	<0.1	<0.2	<0.2	***1***	***1.9 J***	<0.5	<0.1
Xylenes, Total	<0.068	<0.068	<0.068	<0.068	<0.14	<0.14	<0.14	<0.34	<0.34	<0.068

Footnotes on Page 75.

Table 4-3. Groundwater Analytical Results 2010-2013, Madison-Kipp Corporation, Madison, Wisconsin.

Well ID	MP-15 (continued)									
Sample Interval (feet bls)	**88-92'**	**100-105'**	**100-105'**	**100-105'**	**100-105'**	**120-125'**	**120-125'**	**120-125'**	**120-125'**	**142-146'**
Sample Date	**10/8/2013**	**1/22/2013**	**4/15/2013**	**7/22/2013**	**10/8/2013**	**1/22/2013**	**4/15/2013**	**7/22/2013**	**10/8/2013**	**1/22/2013**
PAHs (µg/L)										
1-Methylnaphthalene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Methylnaphthalene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Naphthalene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total PCBs (µg/L)										
Aroclor1016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor1232	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor1242	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Detected PCBs	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dissolved PCBs (µg/L)										
Aroclor1016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor1232	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor1242	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Detected PCBs	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Metals (µg/L)										
Arsenic	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Footnotes on Page 75.

Table 4-3. Groundwater Analytical Results 2010-2013, Madison-Kipp Corporation, Madison, Wisconsin.

Well ID	MP-15 (continued)									
Sample Interval (feet bls)	88-92'	100-105'	100-105'	100-105'	100-105'	120-125'	120-125'	120-125'	120-125'	142-146'
Sample Date	10/8/2013	1/22/2013	4/15/2013	7/22/2013	10/8/2013	1/22/2013	4/15/2013	7/22/2013	10/8/2013	1/22/2013
Total Metals (µg/L) (continued)										
Mercury	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dissolved Metals (µg/L)										
Arsenic	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Only VOCs, PAHs, and PCBs detected in one or more water samples are listed on the table. Refer to laboratory analytical reports for a complete list of constituents analyzed.

100	Concentration exceeds the NR 140 Wis. adm. code Preventive Action Limit.
100	Concentration exceeds the NR 140 Wis. adm. code Enforcement Standard.
<	Constituent not detected above noted laboratory detection limit.
*	Data is suspect and not used in evaluation.
B	Compound was found in the blank and the sample.
bls	Below land surface.
J	Result is between the method detection limit and the limit of quantitation.
µg/L	Micrograms per liter.
NA	Not analyzed.
NE	Not established.
ND	Not detected.
PCBs	Polychlorinated Biphenyls.
PAHs	Polycyclic Aromatic Hydrocarbons.
VOCs	Volatile Organic Compounds.

Table 4-3. Groundwater Analytical Results 2010-2013, Madison-Kipp Corporation, Madison, Wisconsin.

Well ID	MP-15 (continued)							MP-16		
Sample Interval (feet bls)	142-146'	142-146'	142-146'	177 - 187'	177-187'	177-187'	177-187'	80-84'	80-84'	80-84'
Sample Date	4/15/2013	7/22/2013	10/8/2013	1/22/2013	4/15/2013	7/22/2013	10/8/2013	1/22/2013	4/16/2013	7/23/2013
VOCs (µg/L)										
1,1,1,2-Tetrachloroethane	<0.25	<0.25	<0.5	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25
1,1,2-Trichloroethane	<0.28	<0.28	<0.56	<0.28	<0.28	<0.28	<0.28	<0.28	<0.28	<0.28
1,1-Dichloroethene	<0.31	<0.31	<0.62	<0.31	<0.31	<0.31	<0.31	<0.31	<0.31	<0.31
1,2,4-Trimethylbenzene	<0.14	<0.14	<0.28	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14
1,2-Dibromoethane	<0.36	<0.36	<0.72	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36
1,2-Dichlorobenzene	<0.27	<0.27	<0.54	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27
1,2-Dichloropropane	<0.2	<0.2	<0.4	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
1,3,5-Trimethylbenzene	<0.18	<0.18	<0.36	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18
Benzene	<0.074	<0.074	<0.15	<0.074	<0.074	<0.074	<0.074	<0.074	<0.074	<0.074
Bromoform	<0.28	<0.28	<0.56	<0.28	<0.28	<0.28	<0.28	<0.28	<0.28	<0.28
Bromomethane	<0.31	<0.31	<0.62	<0.31	<0.31	<0.31	<0.31	<0.31	<0.31	<0.31
Carbon tetrachloride	<0.26	<0.26	<0.52	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26
Chloroform	<0.2	<0.2	<0.4	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Chloromethane	<0.18	<0.18	<0.36	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18
cis-1,2-Dichloroethene	***75***	***110***	***140***	***9.5***	6.7	6	***16***	<0.12	<0.12	<0.12
Dichlorodifluoromethane	<0.2	<0.2	<0.4	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2 *
Ethylbenzene	<0.13	<0.13	<0.26	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13
Isopropylbenzene	<0.14	<0.14	<0.28	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14
Methyl tert-butyl ether	<0.24	<0.24	<0.48	2.5	1.6	0.86 J	0.90 J	<0.24	<0.24	<0.24
Methylene Chloride	<0.68	<0.68	<1.4	<0.68	<0.68	<0.68	<0.68	<0.68	<0.68	<0.68
Naphthalene	<0.16	<0.16	<0.32	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16
n-Butylbenzene	<0.13	<0.13	<0.26	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13
N-Propylbenzene	<0.13	<0.13	<0.26	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13
p-Isopropyltoluene	<0.17	<0.17	<0.34	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17
sec-Butylbenzene	<0.15	<0.15	<0.3	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15
Styrene	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
tert-Butylbenzene	<0.14	<0.14	<0.28	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14
Tetrachloroethene	***580***	***640***	***840***	***240***	***140***	***110***	***100***	***0.76 J***	<0.17	<0.17
Toluene	<0.11	<0.11	<0.22	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11
trans-1,2-Dichloroethene	0.86 J	0.97 J	1.4 J	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25
Trichloroethene	***78***	***100***	***130***	***17***	***12***	***7.7***	***12***	<0.19	<0.19	<0.19
Vinyl chloride	***0.39 J***	***0.58***	***0.76 J***	<0.1	<0.1	<0.1	***0.34 J***	<0.1	<0.1	<0.1
Xylenes, Total	<0.068	<0.068	<0.14	<0.068	<0.068	<0.068	<0.068	<0.068	<0.068	<0.068

Footnotes on Page 78.

Table 4-3. Groundwater Analytical Results 2010-2013, Madison-Kipp Corporation, Madison, Wisconsin.

Well ID	MP-15 (continued)							MP-16		
Sample Interval (feet bls)	142-146'	142-146'	142-146'	177 - 187'	177-187'	177-187'	177-187'	80-84'	80-84'	80-84'
Sample Date	4/15/2013	7/22/2013	10/8/2013	1/22/2013	4/15/2013	7/22/2013	10/8/2013	1/22/2013	4/16/2013	7/23/2013
PAHs (µg/L)										
1-Methylnaphthalene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Methylnaphthalene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Naphthalene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total PCBs (µg/L)										
Aroclor1016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor1232	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor1242	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Detected PCBs	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dissolved PCBs (µg/L)										
Aroclor1016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor1232	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor1242	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Detected PCBs	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Metals (µg/L)										
Arsenic	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Footnotes on Page 78.

Table 4-3. Groundwater Analytical Results 2010-2013, Madison-Kipp Corporation, Madison, Wisconsin.

Well ID	MP-15 (continued)							MP-16		
Sample Interval (feet bls)	142-146'	142-146'	142-146'	177 - 187'	177-187'	177-187'	177-187'	80-84'	80-84'	80-84'
Sample Date	4/15/2013	7/22/2013	10/8/2013	1/22/2013	4/15/2013	7/22/2013	10/8/2013	1/22/2013	4/16/2013	7/23/2013
Total Metals (µg/L) (continued)										
Mercury	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dissolved Metals (µg/L)										
Arsenic	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Only VOCs, PAHs, and PCBs detected in one or more water samples are listed on the table. Refer to laboratory analytical reports for a complete list of constituents analyzed.

100	Concentration exceeds the NR 140 Wis. adm. code Preventive Action Limit.
100	Concentration exceeds the NR 140 Wis. adm. code Enforcement Standard.
<	Constituent not detected above noted laboratory detection limit.
*	Data is suspect and not used in evaluation.
B	Compound was found in the blank and the sample.
bls	Below land surface.
J	Result is between the method detection limit and the limit of quantitation.
µg/L	Micrograms per liter.
NA	Not analyzed.
NE	Not established.
ND	Not detected.
PCBs	Polychlorinated Biphenyls.
PAHs	Polycyclic Aromatic Hydrocarbons.
VOCs	Volatile Organic Compounds.

Table 4-3. Groundwater Analytical Results 2010-2013, Madison-Kipp Corporation, Madison, Wisconsin.

Well ID	MP-16 (continued)										
Sample Interval (feet bls)	80-84'	106-116'	106-116'	106-116'	106-116'	140-144'	140-144'	140-144'	140-144'	175-179'	175-179'
Sample Date	10/9/2013	1/22/2013	4/16/2013	7/23/2013	10/9/2013	1/22/2013	4/16/2013	7/23/2013	10/9/2013	1/22/2013	4/16/2013
VOCs (µg/L)											
1,1,1,2-Tetrachloroethane	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25
1,1,2-Trichloroethane	<0.28	<0.28	<0.28	<0.28	<0.28	<0.28	<0.28	<0.28	<0.28	<0.28	<0.28
1,1-Dichloroethene	<0.31	<0.31	<0.31	<0.31	<0.31	<0.31	<0.31	<0.31	<0.31	<0.31	<0.31
1,2,4-Trimethylbenzene	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14
1,2-Dibromoethane	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36
1,2-Dichlorobenzene	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27
1,2-Dichloropropane	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
1,3,5-Trimethylbenzene	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18
Benzene	<0.074	<0.074	<0.074	<0.074	<0.074	<0.074	<0.074	<0.074	<0.074	<0.074	<0.074
Bromoform	<0.28	<0.28	<0.28	<0.28	<0.28	<0.28	<0.28	<0.28	<0.28	<0.28	<0.28
Bromomethane	<0.31	<0.31	<0.31	<0.31	<0.31	<0.31	<0.31	<0.31	<0.31	<0.31	<0.31
Carbon tetrachloride	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26
Chloroform	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Chloromethane	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18
cis-1,2-Dichloroethene	<0.12	2.6	5.8	***10***	***10***	1.9	1.2	<0.12	<0.12	1.9	0.99 J
Dichlorodifluoromethane	<0.2	<0.2	<0.2	<0.2 *	<0.2	<0.2	<0.2	<0.2 *	<0.2	<0.2	<0.2
Ethylbenzene	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13
Isopropylbenzene	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14
Methyl tert-butyl ether	<0.24	<0.24	<0.24	<0.24	<0.24	<0.24	<0.24	<0.24	<0.24	<0.24	<0.24
Methylene Chloride	<0.68	<0.68	<0.68	<0.68	<0.68	<0.68	<0.68	<0.68	<0.68	<0.68	<0.68
Naphthalene	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16
n-Butylbenzene	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13
N-Propylbenzene	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13
p-Isopropyltoluene	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17
sec-Butylbenzene	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15
Styrene	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
tert-Butylbenzene	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14
Tetrachloroethene	***0.76 J***	***23***	***330***	***90***	***94***	***14***	***11***	***23***	***37***	***13***	***7***
Toluene	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11
trans-1,2-Dichloroethene	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25
Trichloroethene	<0.19	***3.8***	***44***	***12***	***13***	***2.1***	***2***	***3***	***6.1***	***2.2***	***1.2***
Vinyl chloride	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Xylenes, Total	<0.068	<0.068	<0.068	<0.068	<0.068	<0.068	<0.068	<0.068	<0.068	<0.068	<0.068

Footnotes on Page 81.

Table 4-3. Groundwater Analytical Results 2010-2013, Madison-Kipp Corporation, Madison, Wisconsin.

Well ID	MP-16 (continued)										
Sample Interval (feet bls)	80-84'	106-116'	106-116'	106-116'	106-116'	140-144'	140-144'	140-144'	140-144'	175-179'	175-179'
Sample Date	10/9/2013	1/22/2013	4/16/2013	7/23/2013	10/9/2013	1/22/2013	4/16/2013	7/23/2013	10/9/2013	1/22/2013	4/16/2013
PAHs (µg/L)											
1-Methylnaphthalene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Methylnaphthalene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Naphthalene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total PCBs (µg/L)											
Aroclor1016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor1232	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor1242	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Detected PCBs	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dissolved PCBs (µg/L)											
Aroclor1016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor1232	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor1242	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Detected PCBs	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Metals (µg/L)											
Arsenic	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Footnotes on Page 81.

Table 4-3. Groundwater Analytical Results 2010-2013, Madison-Kipp Corporation, Madison, Wisconsin.

Well ID	MP-16 (continued)										
Sample Interval (feet bls)	80-84'	106-116'	106-116'	106-116'	106-116'	140-144'	140-144'	140-144'	140-144'	175-179'	175-179'
Sample Date	10/9/2013	1/22/2013	4/16/2013	7/23/2013	10/9/2013	1/22/2013	4/16/2013	7/23/2013	10/9/2013	1/22/2013	4/16/2013
Total Metals (µg/L) (continued)											
Mercury	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dissolved Metals (µg/L)											
Arsenic	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Only VOCs, PAHs, and PCBs detected in one or more water samples are listed on the table. Refer to laboratory analytical reports for a complete list of constituents analyzed.

100	Concentration exceeds the NR 140 Wis. adm. code Preventive Action Limit.
100	Concentration exceeds the NR 140 Wis. adm. code Enforcement Standard.
<	Constituent not detected above noted laboratory detection limit.
*	Data is suspect and not used in evaluation.
B	Compound was found in the blank and the sample.
bls	Below land surface.
J	Result is between the method detection limit and the limit of quantitation.
µg/L	Micrograms per liter.
NA	Not analyzed.
NE	Not established.
ND	Not detected.
PCBs	Polychlorinated Biphenyls.
PAHs	Polycyclic Aromatic Hydrocarbons.
VOCs	Volatile Organic Compounds.

Table 4-3. Groundwater Analytical Results 2010-2013, Madison-Kipp Corporation, Madison, Wisconsin.

Well ID	MP-16 (continued)		MW-17				MW-18S			
Sample Interval (feet bls)	175-179'	175-179'	160-170	160-170	160-170	160-170	20-30	20-30	20-30	20-30
Sample Date	7/23/2013	10/9/2013	1/17/2013	4/20/2013	7/18/2013	10/8/2013	11/28/2012	12/17/2012	1/15/2013	2/12/2013
VOCs (µg/L)										
1,1,1,2-Tetrachloroethane	<0.25	<0.25	<0.5	<0.5	<0.25	<0.5	<1.3	NA	<0.25	<0.5
1,1,2-Trichloroethane	<0.28	<0.28	<0.56	***11***	<0.28	<0.56	<1.4	NA	<0.28	<0.56
1,1-Dichloroethene	<0.31	<0.31	<0.62	<0.62	<0.31	<0.62	<1.6	NA	<0.31	<0.62
1,2,4-Trimethylbenzene	<0.14	<0.14	<0.28	<0.28	<0.14	<0.28	<0.7	NA	<0.14	<0.28
1,2-Dibromoethane	<0.36	<0.36	<0.72	<0.72	<0.36	<0.72	<1.8	NA	<0.36	<0.72
1,2-Dichlorobenzene	<0.27	<0.27	<0.54	<0.54	<0.27	<0.54	<1.4	NA	<0.27	<0.54
1,2-Dichloropropane	<0.2	<0.2	<0.4	<0.4	<0.2	<0.4	<1	NA	<0.2	<0.4
1,3,5-Trimethylbenzene	<0.18	<0.18	<0.36	<0.36	<0.18	<0.36	<0.9	NA	<0.18	<0.36
Benzene	<0.074	<0.074	***20***	***1.2***	<0.074	<0.15	***3.2***	NA	0.46 J	***1.4***
Bromoform	<0.28	<0.28	<0.56	<0.56	<0.28	<0.56	<1.4	NA	<0.28	<0.56
Bromomethane	<0.31	<0.31	<0.62	<0.62	<0.31	<0.62	<1.6	NA	<0.31	<0.62
Carbon tetrachloride	<0.26	<0.26	***1.2 J***	<0.52	<0.26	<0.52	<1.3	NA	<0.26	<0.52
Chloroform	<0.2	<0.2	***1.8 J***	<0.4	***0.86 J***	<0.4	***7.2***	NA	***2.3***	***4.5***
Chloromethane	<0.18	<0.18	<0.36	<0.36	<0.18	<0.36	<0.9	NA	<0.18	<0.36
cis-1,2-Dichloroethene	<0.12	<0.12	3.5	1.7 J	1.6	<0.24	***150***	NA	***40***	***77***
Dichlorodifluoromethane	<0.2 *	<0.2	<0.4	<0.4	<0.2	<0.4	<1	NA	<0.2	<0.4
Ethylbenzene	<0.13	<0.13	<0.26	<0.26	<0.13	<0.26	<0.65	NA	<0.13	<0.26
Isopropylbenzene	<0.14	<0.14	<0.28	<0.28	<0.14	<0.28	<0.7	NA	<0.14	<0.28
Methyl tert-butyl ether	<0.24	<0.24	<0.48	<0.48	<0.24	<0.48	<1.2	NA	<0.24	<0.48
Methylene Chloride	<0.68	<0.68	<1.4	<1.4	<0.68	<1.4	<3.4	NA	<0.68	<1.4
Naphthalene	<0.16	<0.16	<0.32	<0.32	<0.16	<0.32	<0.8	NA	<0.16	<0.32
n-Butylbenzene	<0.13	<0.13	<0.26	<0.26	<0.13	<0.26	<0.65	NA	<0.13	<0.26
N-Propylbenzene	<0.13	<0.13	<0.26	<0.26	<0.13	<0.26	<0.65	NA	<0.13	<0.26
p-Isopropyltoluene	<0.17	<0.17	<0.34	<0.34	<0.17	<0.34	<0.85	NA	<0.17	<0.34
sec-Butylbenzene	<0.15	<0.15	<0.3	<0.3	<0.15	<0.3	<0.75	NA	<0.15	<0.3
Styrene	<0.1	<0.1	<0.2	<0.2	<0.1	<0.2	<0.5	NA	<0.1	<0.2
tert-Butylbenzene	<0.14	<0.14	<0.28	<0.28	<0.14	<0.28	<0.7	NA	<0.14	<0.28
Tetrachloroethene	***2.2***	***3.7***	***1,300***	***790***	***470***	***800***	***3,300***	NA	***690***	***1,900***
Toluene	<0.11	<0.11	1.8	<0.22	0.69	<0.22	1.1 J	NA	<0.11	<0.22
trans-1,2-Dichloroethene	<0.25	<0.25	1.5 J	<0.5	0.68 J	<0.5	7.4	NA	2.6	3.8
Trichloroethene	0.42 J	***0.98***	***86***	***46***	***33***	***49***	***230***	NA	***59***	***130***
Vinyl chloride	<0.1	<0.1	<0.2	<0.2	<0.1	<0.2	<0.5	NA	<0.1	<0.2
Xylenes, Total	<0.068	<0.068	3.1	<0.14	0.56 J	<0.14	<0.34	NA	<0.068	<0.14

Footnotes on Page 84.

Table 4-3. Groundwater Analytical Results 2010-2013, Madison-Kipp Corporation, Madison, Wisconsin.

Well ID	MP-16 (continued)		MW-17				MW-18S			
Sample Interval (feet bls)	175-179'	175-179'	160-170	160-170	160-170	160-170	20-30	20-30	20-30	20-30
Sample Date	7/23/2013	10/9/2013	1/17/2013	4/20/2013	7/18/2013	10/8/2013	11/28/2012	12/17/2012	1/15/2013	2/12/2013
PAHs (µg/L)										
1-Methylnaphthalene	NA	NA	<1.1	NA	NA	NA	NA	NA	NA	NA
2-Methylnaphthalene	NA	NA	<0.14	NA	NA	NA	NA	NA	NA	NA
Naphthalene	NA	NA	0.35 J	NA	NA	NA	NA	NA	NA	NA
Total PCBs (µg/L)										
Aroclor1016	NA	NA	<0.17	NA	NA	NA	NA	NA	NA	NA
Aroclor1232	NA	NA	<0.093	NA	NA	NA	NA	NA	NA	NA
Aroclor1242	NA	NA	<0.13	NA	NA	NA	NA	NA	NA	NA
Total Detected PCBs	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA
Dissolved PCBs (µg/L)										
Aroclor1016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor1232	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor1242	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Detected PCBs	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Metals (µg/L)										
Arsenic	NA	NA	NA	NA	NA	NA	0.58 J	0.40 J	0.35 J	0.28 J
Barium	NA	NA	NA	NA	NA	NA	NA	240	NA	NA
Cadmium	NA	NA	NA	NA	NA	NA	NA	0.13 J	NA	NA
Chromium	NA	NA	NA	NA	NA	NA	<0.64	<0.64	1.3 J	<0.64
Iron	NA	NA	NA	NA	NA	NA	***410***	<37	55 J	<37
Lead	NA	NA	NA	NA	NA	NA	NA	<0.16	NA	NA
Manganese	NA	NA	NA	NA	NA	NA	***1,600***	***620***	***570***	***860 B***

Footnotes on Page 84.

Table 4-3. Groundwater Analytical Results 2010-2013, Madison-Kipp Corporation, Madison, Wisconsin.

Well ID	MP-16 (continued)		MW-17				MW-18S			
Sample Interval (feet bls)	175-179'	175-179'	160-170	160-170	160-170	160-170	20-30	20-30	20-30	20-30
Sample Date	7/23/2013	10/9/2013	1/17/2013	4/20/2013	7/18/2013	10/8/2013	11/28/2012	12/17/2012	1/15/2013	2/12/2013
Total Metals (µg/L) (continued)										
Mercury	NA	NA	NA	NA	NA	NA	NA	<0.071	NA	NA
Selenium	NA	NA	NA	NA	NA	NA	NA	0.58 J	NA	NA
Silver	NA	NA	NA	NA	NA	NA	NA	<0.069	NA	NA
Dissolved Metals (µg/L)										
Arsenic	NA	NA	0.46 J	NA	NA	NA	0.46 J	NA	0.34 J	0.31 J
Barium	NA	NA	45	NA	NA	NA	200	NA	260	***790***
Cadmium	NA	NA	<0.1	NA	NA	NA	<0.1	NA	<0.1	0.36 J
Chromium	NA	NA	0.75 J	NA	NA	NA	<0.64	NA	<0.64	<0.64
Iron	NA	NA	<37	NA	NA	NA	<37	NA	<37	<37
Lead	NA	NA	<0.16	NA	NA	NA	<0.16	NA	<0.16	<0.16
Manganese	NA	NA	***180***	NA	NA	NA	***1,600***	NA	***570***	***860 B***
Mercury	NA	NA	<0.071	NA	NA	NA	<0.071	NA	<0.071	<0.071
Selenium	NA	NA	1.0 J	NA	NA	NA	0.43 J	NA	0.45 J	0.41 J
Silver	NA	NA	<0.069	NA	NA	NA	<0.069	NA	<0.069	<0.069

Only VOCs, PAHs, and PCBs detected in one or more water samples are listed on the table. Refer to laboratory analytical reports for a complete list of constituents analyzed.

100	Concentration exceeds the NR 140 Wis. adm. code Preventive Action Limit.
100	Concentration exceeds the NR 140 Wis. adm. code Enforcement Standard.
<	Constituent not detected above noted laboratory detection limit.
*	Data is suspect and not used in evaluation.
B	Compound was found in the blank and the sample.
bls	Below land surface.
J	Result is between the method detection limit and the limit of quantitation.
µg/L	Micrograms per liter.
NA	Not analyzed.
NE	Not established.
ND	Not detected.
PCBs	Polychlorinated Biphenyls.
PAHs	Polycyclic Aromatic Hydrocarbons.
VOCs	Volatile Organic Compounds.

Table 4-3. Groundwater Analytical Results 2010-2013, Madison-Kipp Corporation, Madison, Wisconsin.

Well ID	MW-18S (continued)				MW-19D					
Sample Interval (feet bls)	20-30	20-30	20-30	20-30	60-90	60-90	60-90	60-90	60-90	60-90
Sample Date	3/12/2013	4/19/2013	7/17/2013	10/9/2013	11/29/2012	1/16/2013	2/11/2013	3/11/2013	4/18/2013	4/19/2013
VOCs (µg/L)										
1,1,1,2-Tetrachloroethane	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3	NA	<1.3
1,1,2-Trichloroethane	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4	NA	<1.4
1,1-Dichloroethene	<1.6	<1.6	<1.6	<1.6	<1.6	<1.6	<1.6	<1.6	NA	<1.6
1,2,4-Trimethylbenzene	<0.7	<0.7	<0.7	<0.7	<0.7	<0.7	<0.7	<0.7	NA	<0.7
1,2-Dibromoethane	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	NA	<1.8
1,2-Dichlorobenzene	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4	NA	<1.4
1,2-Dichloropropane	<1	<1	<1	<1	<1	<1	<1	<1	NA	<1
1,3,5-Trimethylbenzene	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9	NA	<0.9
Benzene	***1.9 J***	***2.2 J***	<0.37	***1.3 J***	<0.37	<0.37	<0.37	<0.37	NA	<0.37
Bromoform	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4	NA	<1.4
Bromomethane	<1.6	<1.6	<1.6	<1.6	<1.6	<1.6	<1.6 *	<1.6	NA	<1.6
Carbon tetrachloride	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3	NA	<1.3
Chloroform	***7.5***	***6.2***	<1	***5.2***	<1	<1	<1	<1	NA	<1
Chloromethane	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9	NA	<0.9
cis-1,2-Dichloroethene	***110***	***99***	***70***	***78***	***530***	***170***	***450***	***420***	NA	***520***
Dichlorodifluoromethane	<1	<1	<1	<1	<1	<1	<1	<1	NA	<1
Ethylbenzene	<0.65	<0.65	<0.65	<0.65	<0.65	<0.65	<0.65	<0.65	NA	<0.65
Isopropylbenzene	<0.7	<0.7	<0.7	<0.7	<0.7	<0.7	<0.7	<0.7	NA	<0.7
Methyl tert-butyl ether	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	NA	<1.2
Methylene Chloride	<3.4	<3.4	<3.4	<3.4	<3.4	<3.4	<3.4	<3.4	NA	<3.4
Naphthalene	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	NA	<0.8
n-Butylbenzene	<0.65	<0.65	<0.65	<0.65	<0.65	<0.65	<0.65	<0.65	NA	<0.65
N-Propylbenzene	<0.65	<0.65	<0.65	<0.65	<0.65	<0.65	<0.65	<0.65	NA	<0.65
p-Isopropyltoluene	<0.85	<0.85	<0.85	<0.85	<0.85	<0.85	<0.85	<0.85	NA	<0.85
sec-Butylbenzene	<0.75	<0.75	<0.75	<0.75	<0.75	<0.75	<0.75	<0.75	NA	<0.75
Styrene	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	NA	<0.5
tert-Butylbenzene	<0.7	<0.7	<0.7	<0.7	<0.7	<0.7	<0.7	<0.7	NA	<0.7
Tetrachloroethene	***2,600***	***2,600***	***2,900***	***1,800***	***2,400***	***1,700***	***2,700***	***2,100***	NA	***2,200***
Toluene	<0.55	<0.55	<0.55	<0.55	<0.55	<0.55	<0.55	<0.55	NA	<0.55
trans-1,2-Dichloroethene	5.3	4.1 J	2.6 J	4.6 J	7.2	<1.3	4.4 J	5.1	NA	6.3
Trichloroethene	***160***	***170***	***140***	***150***	***230***	***69***	***180***	***180***	NA	***200***
Vinyl chloride	<0.5	<0.5	<0.5	<0.5	***9.1***	***3.2***	***8***	***11***	NA	***18***
Xylenes, Total	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	NA	<0.34

Footnotes on Page 87.

Table 4-3. Groundwater Analytical Results 2010-2013, Madison-Kipp Corporation, Madison, Wisconsin.

Well ID	MW-18S (continued)				MW-19D					
Sample Interval (feet bls)	20-30	20-30	20-30	20-30	60-90	60-90	60-90	60-90	60-90	60-90
Sample Date	3/12/2013	4/19/2013	7/17/2013	10/9/2013	11/29/2012	1/16/2013	2/11/2013	3/11/2013	4/18/2013	4/19/2013
PAHs (µg/L)										
1-Methylnaphthalene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Methylnaphthalene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Naphthalene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total PCBs (µg/L)										
Aroclor1016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor1232	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor1242	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Detected PCBs	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dissolved PCBs (µg/L)										
Aroclor1016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor1232	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor1242	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Detected PCBs	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Metals (µg/L)										
Arsenic	NA	NA	NA	NA	0.17 J	<0.15	NA	NA	NA	NA
Barium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	NA	NA	NA	NA	<0.64	10	NA	NA	NA	NA
Iron	NA	NA	NA	NA	<37	120 B	NA	NA	NA	NA
Lead	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	NA	NA	NA	NA	24	***1,100***	NA	NA	NA	NA

Footnotes on Page 87.

Table 4-3. Groundwater Analytical Results 2010-2013, Madison-Kipp Corporation, Madison, Wisconsin.

Well ID	MW-18S (continued)				MW-19D					
Sample Interval (feet bls)	20-30	20-30	20-30	20-30	60-90	60-90	60-90	60-90	60-90	60-90
Sample Date	3/12/2013	4/19/2013	7/17/2013	10/9/2013	11/29/2012	1/16/2013	2/11/2013	3/11/2013	4/18/2013	4/19/2013
Total Metals (µg/L) (continued)										
Mercury	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dissolved Metals (µg/L)										
Arsenic	NA	NA	NA	NA	0.17 J	<0.15	NA	NA	NA	NA
Barium	NA	NA	NA	NA	63	49	NA	NA	NA	NA
Cadmium	NA	NA	NA	NA	<0.1	<0.1	NA	NA	NA	NA
Chromium	NA	NA	NA	NA	<0.64	9.6	NA	NA	NA	NA
Iron	NA	NA	NA	NA	<37	<37	NA	NA	NA	NA
Lead	NA	NA	NA	NA	<0.16	<0.16	NA	NA	NA	NA
Manganese	***920***	***1,100***	***1,100***	NA	26	***940***	NA	NA	19 B	NA
Mercury	NA	NA	NA	NA	<0.071	***0.32***	NA	NA	NA	NA
Selenium	NA	NA	NA	NA	0.48 J	0.97 J	NA	NA	NA	NA
Silver	NA	NA	NA	NA	<0.069	<0.069	NA	NA	NA	NA

Only VOCs, PAHs, and PCBs detected in one or more water samples are listed on the table. Refer to laboratory analytical reports for a complete list of constituents analyzed.

100	Concentration exceeds the NR 140 Wis. adm. code Preventive Action Limit.
100	Concentration exceeds the NR 140 Wis. adm. code Enforcement Standard.
<	Constituent not detected above noted laboratory detection limit.
*	Data is suspect and not used in evaluation.
B	Compound was found in the blank and the sample.
bls	Below land surface.
J	Result is between the method detection limit and the limit of quantitation.
µg/L	Micrograms per liter.
NA	Not analyzed.
NE	Not established.
ND	Not detected.
PCBs	Polychlorinated Biphenyls.
PAHs	Polycyclic Aromatic Hydrocarbons.
VOCs	Volatile Organic Compounds.

Table 4-3. Groundwater Analytical Results 2010-2013, Madison-Kipp Corporation, Madison, Wisconsin.

Well ID	MW-19D (continued)		MW-19D2							
Sample Interval (feet bls)	60-90	60-90	110-140	110-140	110-140	110-140	110-140	110-140	110-140	110-140
Sample Date	7/17/2013	10/9/2013	11/29/2012	1/17/2013	2/11/2013	3/12/2013	4/18/2013	7/17/2013	7/17/2013	10/9/2013
VOCs (µg/L)										
1,1,1,2-Tetrachloroethane	<1.3	<1.3	<0.5	<0.5	<0.5	<0.5	<1.3	<0.5	<0.5	<0.5
1,1,2-Trichloroethane	<1.4	<1.4	<0.56	<0.56	<0.56	<0.56	<1.4	<0.56	<0.56	<0.56
1,1-Dichloroethene	<1.6	<1.6	<0.62	<0.62	<0.62	<0.62	<1.6	<0.62	<0.62	<0.62
1,2,4-Trimethylbenzene	<0.7	<0.7	<0.28	<0.28	<0.28	<0.28	<0.7	<0.28	<0.28	<0.28
1,2-Dibromoethane	<1.8	<1.8	<0.72	<0.72	<0.72	<0.72	<1.8	<0.72	<0.72	<0.72
1,2-Dichlorobenzene	<1.4	<1.4	<0.54	<0.54	<0.54	<0.54	<1.4	<0.54	<0.54	<0.54
1,2-Dichloropropane	<1	<1	<0.4	<0.4	<0.4	<0.4	<1	<0.4	<0.4	<0.4
1,3,5-Trimethylbenzene	<0.9	<0.9	<0.36	<0.36	<0.36	<0.36	<0.9	<0.36	<0.36	<0.36
Benzene	<0.37	<0.37	<0.15	<0.15	<0.15	<0.15	<0.37	<0.15	<0.15	<0.15
Bromoform	<1.4	<1.4	<0.56	<0.56	<0.56	<0.56	<1.4	<0.56	<0.56	<0.56
Bromomethane	<1.6	<1.6	<0.62	<0.62	<0.62 *	<0.62	<1.6	<0.62	<0.62	<0.62
Carbon tetrachloride	<1.3	<1.3	<0.52	<0.52	<0.52	<0.52	<1.3	<0.52	<0.52	<0.52
Chloroform	<1	<1	<0.4	<0.4	<0.4	<0.4	<1	<0.4	<0.4	<0.4
Chloromethane	<0.9	<0.9	<0.36	<0.36	<0.36	<0.36	<0.9	<0.36	<0.36	<0.36
cis-1,2-Dichloroethene	***540***	***300***	***250***	***320***	***270***	***260***	***200***	<0.24	***98***	***120***
Dichlorodifluoromethane	<1	<1	<0.4	<0.4	<0.4	<0.4	<1	<0.4	<0.4	<0.4
Ethylbenzene	<0.65	<0.65	<0.26	<0.26	<0.26	<0.26	<0.65	<0.26	<0.26	<0.26
Isopropylbenzene	<0.7	<0.7	<0.28	<0.28	<0.28	<0.28	<0.7	<0.28	<0.28	<0.28
Methyl tert-butyl ether	<1.2	<1.2	<0.48	<0.48	<0.48	<0.48	<1.2	<0.48	<0.48	<0.48
Methylene Chloride	<3.4	<3.4	<1.4	<1.4	<1.4	<1.4	<3.4	<1.4	<1.4	<1.4
Naphthalene	<0.8	<0.8	<0.32	<0.32	<0.32	<0.32	<0.8	<0.32	<0.32	<0.32
n-Butylbenzene	<0.65	<0.65	<0.26	<0.26	<0.26	<0.26	<0.65	<0.26	<0.26	<0.26
N-Propylbenzene	<0.65	<0.65	<0.26	<0.26	<0.26	<0.26	<0.65	<0.26	<0.26	<0.26
p-Isopropyltoluene	<0.85	<0.85	<0.34	<0.34	<0.34	<0.34	<0.85	<0.34	<0.34	<0.34
sec-Butylbenzene	<0.75	<0.75	<0.3	<0.3	<0.3	<0.3	<0.75	<0.3	<0.3	<0.3
Styrene	<0.5	<0.5	<0.2	<0.2	<0.2	<0.2	<0.5	<0.2	<0.2	<0.2
tert-Butylbenzene	<0.7	<0.7	<0.28	<0.28	<0.28	<0.28	<0.7	<0.28	<0.28	<0.28
Tetrachloroethene	***2,700***	***1,500***	***680***	***1,200***	***1,300***	***1,400***	***1,000***	***820***	***1,200***	***950***
Toluene	<0.55	<0.55	<0.22	<0.22	<0.22	<0.22	<0.55	<0.22	<0.22	<0.22
trans-1,2-Dichloroethene	8.1	4.1 J	3.4	4.9	4.2	4.2	2.6 J	<0.5	<0.5	<0.5
Trichloroethene	***240***	***150***	***110***	***160***	***150***	***150***	***130***	<0.38	***110***	***120***
Vinyl chloride	***20***	***6.6***	***0.93 J***	<0.2	<0.2	<0.2	<0.5	<0.2	<0.2	<0.2
Xylenes, Total	<0.34	<0.34	<0.14	<0.14	<0.14	<0.14	<0.34	<0.14	<0.14	<0.14

Footnotes on Page 90.

Table 4-3. Groundwater Analytical Results 2010-2013, Madison-Kipp Corporation, Madison, Wisconsin.

Well ID	MW-19D (continued)		MW-19D2							
Sample Interval (feet bls)	60-90	60-90	110-140	110-140	110-140	110-140	110-140	110-140	110-140	110-140
Sample Date	7/17/2013	10/9/2013	11/29/2012	1/17/2013	2/11/2013	3/12/2013	4/18/2013	7/17/2013	7/17/2013	10/9/2013
PAHs (µg/L)										
1-Methylnaphthalene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Methylnaphthalene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Naphthalene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total PCBs (µg/L)										
Aroclor1016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor1232	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor1242	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Detected PCBs	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dissolved PCBs (µg/L)										
Aroclor1016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor1232	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor1242	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Detected PCBs	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Metals (µg/L)										
Arsenic	NA	NA	0.25 J	***1.3 J***	0.21 J	NA	NA	NA	NA	NA
Barium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	NA	NA	1.4 J	<3.2	<0.64	NA	NA	NA	NA	NA
Iron	NA	NA	50 J B	***1,800***	55 J	NA	NA	NA	NA	NA
Lead	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	NA	NA	***330***	***1,800***	***270 B***	NA	NA	NA	NA	NA

Footnotes on Page 90.

Table 4-3. Groundwater Analytical Results 2010-2013, Madison-Kipp Corporation, Madison, Wisconsin.

Well ID	MW-19D (continued)		MW-19D2							
Sample Interval (feet bls)	60-90	60-90	110-140	110-140	110-140	110-140	110-140	110-140	110-140	110-140
Sample Date	7/17/2013	10/9/2013	11/29/2012	1/17/2013	2/11/2013	3/12/2013	4/18/2013	7/17/2013	7/17/2013	10/9/2013
Total Metals (µg/L) (continued)										
Mercury	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dissolved Metals (µg/L)										
Arsenic	NA	NA	0.27 J	0.95 J	0.18 J	NA	NA	NA	NA	NA
Barium	NA	NA	130	***550***	88	NA	NA	NA	NA	NA
Cadmium	NA	NA	<0.1	***0.58 J***	0.13 J	NA	NA	NA	NA	NA
Chromium	NA	NA	1.1 J	<3.2	<0.64	NA	NA	NA	NA	NA
Iron	NA	NA	<37	<180	<37	NA	NA	NA	NA	NA
Lead	NA	NA	0.42 J	<0.78	0.21 J	NA	NA	NA	NA	NA
Manganese	12	NA	***290***	***1,700***	***250 B***	***150***	***92 B***	***4,700***	NA	NA
Mercury	NA	NA	0.12 J	NA	<0.071	NA	NA	NA	NA	NA
Selenium	NA	NA	0.75 J	2.1 J	0.46 J	NA	NA	NA	NA	NA
Silver	NA	NA	<0.069	<0.34	<0.069	NA	NA	NA	NA	NA

Only VOCs, PAHs, and PCBs detected in one or more water samples are listed on the table. Refer to laboratory analytical reports for a complete list of constituents analyzed.

100	Concentration exceeds the NR 140 Wis. adm. code Preventive Action Limit.
100	Concentration exceeds the NR 140 Wis. adm. code Enforcement Standard.
<	Constituent not detected above noted laboratory detection limit.
*	Data is suspect and not used in evaluation.
B	Compound was found in the blank and the sample.
bls	Below land surface.
J	Result is between the method detection limit and the limit of quantitation.
µg/L	Micrograms per liter.
NA	Not analyzed.
NE	Not established.
ND	Not detected.
PCBs	Polychlorinated Biphenyls.
PAHs	Polycyclic Aromatic Hydrocarbons.
VOCs	Volatile Organic Compounds.

Table 4-3. Groundwater Analytical Results 2010-2013, Madison-Kipp Corporation, Madison, Wisconsin.

Well ID	MW-20D							MW-20D2		
Sample Interval (feet bls)	60-90	60-90	60-90	60-90	60-90	60-90	60-90	110-140	110-140	110-140
Sample Date	11/29/2012	1/16/2013	2/12/2013	3/12/2013	4/18/2013	7/17/2013	10/9/2013	11/29/2012	1/16/2013	2/12/2013
VOCs (µg/L)										
1,1,1,2-Tetrachloroethane	<1.3	<0.25	<0.25	<0.25	<1.3	<0.5	<1.3	<0.5	<0.25	<0.25
1,1,2-Trichloroethane	<1.4	<0.28	<0.28	<0.28	<1.4	<0.56	<1.4	<0.56	<0.28	<0.28
1,1-Dichloroethene	<1.6	<0.31	<0.31	<0.31	<1.6	<0.62	<1.6	<0.62	<0.31	<0.31
1,2,4-Trimethylbenzene	<0.7	<0.14	<0.14	<0.14	<0.7	<0.28	<0.7	<0.28	<0.14	<0.14
1,2-Dibromoethane	<1.8	<0.36	<0.36	<0.36	<1.8	<0.72	<1.8	<0.72	<0.36	<0.36
1,2-Dichlorobenzene	<1.4	<0.27	<0.27	<0.27	<1.4	<0.54	<1.4	<0.54	<0.27	<0.27
1,2-Dichloropropane	<1	<0.2	<0.2	<0.2	<1	<0.4	<1	<0.4	<0.2	<0.2
1,3,5-Trimethylbenzene	<0.9	<0.18	<0.18	<0.18	<0.9	<0.36	<0.9	<0.36	<0.18	<0.18
Benzene	<0.37	<0.074	<0.074	<0.074	<0.37	<0.15	<0.37	<0.15	<0.074	0.19 J
Bromoform	<1.4	<0.28	<0.28	<0.28	<1.4	<0.56	<1.4	<0.56	<0.28	<0.28
Bromomethane	<1.6	<0.31	<0.31	<0.31	<1.6	<0.62	<1.6	<0.62	<0.31	<0.31
Carbon tetrachloride	<1.3	<0.26	<0.26	<0.26	<1.3	<0.52	<1.3	<0.52	<0.26	<0.26
Chloroform	<1	<0.2	<0.2	<0.2	<1	<0.4	<1	<0.4	0.47 J	<0.2
Chloromethane	<0.9	<0.18	<0.18	<0.18	<0.9	<0.36	<0.9	<0.36	<0.18	<0.18
cis-1,2-Dichloroethene	***370***	0.69 J	***20***	***39***	***220***	***180***	***170***	***330***	<0.12	3
Dichlorodifluoromethane	<1	<0.2	<0.2	<0.2	<1	<0.4	<1	<0.4	<0.2	<0.2
Ethylbenzene	<0.65	<0.13	<0.13	<0.13	<0.65	<0.26	<0.65	<0.26	<0.13	<0.13
Isopropylbenzene	<0.7	<0.14	<0.14	<0.14	<0.7	<0.28	<0.7	<0.28	<0.14	<0.14
Methyl tert-butyl ether	<1.2	<0.24	<0.24	<0.24	<1.2	<0.48	<1.2	<0.48	<0.24	<0.24
Methylene Chloride	<3.4	<0.68	<0.68	<0.68	<3.4	<1.4	<3.4	<1.4	<0.68	<0.68
Naphthalene	<0.8	<0.16	<0.16	<0.16	<0.8	<0.32	<0.8	<0.32	<0.16	<0.16
n-Butylbenzene	<0.65	<0.13	<0.13	<0.13	<0.65	<0.26	<0.65	<0.26	<0.13	<0.13
N-Propylbenzene	<0.65	<0.13	<0.13	<0.13	<0.65	<0.26	<0.65	<0.26	<0.13	<0.13
p-Isopropyltoluene	<0.85	<0.17	<0.17	<0.17	<0.85	<0.34	<0.85	<0.34	<0.17	<0.17
sec-Butylbenzene	<0.75	<0.15	<0.15	<0.15	<0.75	<0.3	<0.75	<0.3	<0.15	<0.15
Styrene	<0.5	<0.1	<0.1	<0.1	<0.5	<0.2	<0.5	<0.2	<0.1	<0.1
tert-Butylbenzene	<0.7	<0.14	<0.14	<0.14	<0.7	<0.28	<0.7	<0.28	<0.14	<0.14
Tetrachloroethene	***1,600***	***190***	***690***	***650***	***1,100***	***1,000***	***1,200***	***1,300***	***190***	***700***
Toluene	<0.55	0.45 J	<0.11	<0.11	<0.55	<0.22	<0.55	<0.22	0.34 J	<0.11
trans-1,2-Dichloroethene	5	<0.25	<0.25	<0.25	<1.3	2.2	<1.3	4.3	<0.25	<0.25
Trichloroethene	***170***	***0.54***	***20***	***29***	***100***	***100***	***89***	***150***	<0.19	***7.9***
Vinyl chloride	***3.2***	<0.1	<0.1	<0.1	***1.0 J***	<0.2	<0.5	***1.7***	<0.1	<0.1
Xylenes, Total	<0.34	<0.068	<0.068	<0.068	<0.34	<0.14	<0.34	<0.14	<0.068	<0.068

Footnotes on Page 93.

Table 4-3. Groundwater Analytical Results 2010-2013, Madison-Kipp Corporation, Madison, Wisconsin.

Well ID	MW-20D							MW-20D2		
Sample Interval (feet bls)	60-90	60-90	60-90	60-90	60-90	60-90	60-90	110-140	110-140	110-140
Sample Date	11/29/2012	1/16/2013	2/12/2013	3/12/2013	4/18/2013	7/17/2013	10/9/2013	11/29/2012	1/16/2013	2/12/2013
PAHs (µg/L)										
1-Methylnaphthalene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Methylnaphthalene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Naphthalene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total PCBs (µg/L)										
Aroclor1016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor1232	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor1242	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Detected PCBs	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dissolved PCBs (µg/L)										
Aroclor1016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor1232	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor1242	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Detected PCBs	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Metals (µg/L)										
Arsenic	0.24 J	<0.74	NA	NA	NA	NA	NA	0.26 J	<0.74	NA
Barium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	<0.64	***100***	NA	NA	NA	NA	NA	<0.64	***39***	NA
Iron	<37	<180	NA	NA	NA	NA	NA	<37	<180	NA
Lead	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	27	***35,000***	NA	NA	NA	NA	NA	50	***140,000***	NA

Footnotes on Page 93.

Table 4-3. Groundwater Analytical Results 2010-2013, Madison-Kipp Corporation, Madison, Wisconsin.

Well ID	MW-20D							MW-20D2		
Sample Interval (feet bls)	60-90	60-90	60-90	60-90	60-90	60-90	60-90	110-140	110-140	110-140
Sample Date	11/29/2012	1/16/2013	2/12/2013	3/12/2013	4/18/2013	7/17/2013	10/9/2013	11/29/2012	1/16/2013	2/12/2013
Total Metals (µg/L) (continued)										
Mercury	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dissolved Metals (µg/L)										
Arsenic	0.18 J	<0.74	NA	NA	NA	NA	NA	0.27 J	<0.74	NA
Barium	59	25	NA	NA	NA	NA	NA	170	28	NA
Cadmium	<0.1	<0.52	NA	NA	NA	NA	NA	<0.1	<0.52	NA
Chromium	<0.64	***100***	NA	NA	NA	NA	NA	<0.64	***42***	NA
Iron	<37	<180	NA	NA	NA	NA	NA	<37	<180	NA
Lead	<0.16	***4***	NA	NA	NA	NA	NA	<0.16	<0.78	NA
Manganese	25	***34,000***	NA	NA	NA	***79***	NA	16	***170,000***	NA
Mercury	<0.071	***0.65***	NA	NA	NA	NA	NA	0.10 J	0.16 J	NA
Selenium	0.71 J	3.0 J	NA	NA	NA	NA	NA	1.2 J	3.8 J	NA
Silver	<0.069	<0.34	NA	NA	NA	NA	NA	<0.069	<0.34	NA

Only VOCs, PAHs, and PCBs detected in one or more water samples are listed on the table. Refer to laboratory analytical reports for a complete list of constituents analyzed.

100	Concentration exceeds the NR 140 Wis. adm. code Preventive Action Limit.
100	Concentration exceeds the NR 140 Wis. adm. code Enforcement Standard.
<	Constituent not detected above noted laboratory detection limit.
*	Data is suspect and not used in evaluation.
B	Compound was found in the blank and the sample.
bls	Below land surface.
J	Result is between the method detection limit and the limit of quantitation.
µg/L	Micrograms per liter.
NA	Not analyzed.
NE	Not established.
ND	Not detected.
PCBs	Polychlorinated Biphenyls.
PAHs	Polycyclic Aromatic Hydrocarbons.
VOCs	Volatile Organic Compounds.

Table 4-3. Groundwater Analytical Results 2010-2013, Madison-Kipp Corporation, Madison, Wisconsin.

Well ID	MW-20D2 (continued)				MW-21D					
Sample Interval (feet bls)	110-140	110-140	110-140	110-140	60-90	60-90	60-90	60-90	60-90	60-90
Sample Date	3/12/2013	4/18/2013	7/17/2013	10/15/2013	11/28/2012	1/17/2013	2/14/2013	3/12/2013	4/17/2013	7/18/2013
VOCs (µg/L)										
1,1,1,2-Tetrachloroethane	<0.25	<1.3	<0.25	<0.25	<0.5	<0.25	<0.5	<0.5	<1.3	<1.3
1,1,2-Trichloroethane	<0.28	<1.4	<0.28	<0.28	<0.56	<0.28	<0.56	<0.56	<1.4	<1.4
1,1-Dichloroethene	<0.31	<1.6	<0.31	<0.31	<0.62	<0.31	<0.62	<0.62	<1.6	<1.6
1,2,4-Trimethylbenzene	<0.14	<0.7	<0.14	<0.14	<0.28	<0.14	<0.28	<0.28	<0.7	<0.7
1,2-Dibromoethane	<0.36	<1.8	<0.36	<0.36	<0.72	<0.36	<0.72	<0.72	<1.8	<1.8
1,2-Dichlorobenzene	<0.27	<1.4	<0.27	<0.27	<0.54	<0.27	<0.54	<0.54	<1.4	<1.4
1,2-Dichloropropane	<0.2	<1	<0.2	<0.2	<0.4	<0.2	<0.4	<0.4	<1	<1
1,3,5-Trimethylbenzene	<0.18	<0.9	<0.18	<0.18	<0.36	<0.18	<0.36	<0.36	<0.9	<0.9
Benzene	<0.074	<0.37	<0.074	<0.074	<0.15	<0.074	<0.15	<0.15	<0.37	<0.37
Bromoform	<0.28	<1.4	<0.28	<0.28	<0.56	<0.28	<0.56	<0.56	<1.4	<1.4
Bromomethane	<0.31	<1.6	<0.31	<0.31	<0.62	<0.31	<0.62 *	<0.62	<1.6	<1.6
Carbon tetrachloride	<0.26	<1.3	<0.26	<0.26	<0.52	<0.26	<0.52	<0.52	<1.3	<1.3
Chloroform	<0.2	<1	<0.2	<0.2	<0.4	<0.2	<0.4	<0.4	<1	<1
Chloromethane	<0.18	<0.9	<0.18	<0.18	<0.36	<0.18	<0.36	<0.36	<0.9	<0.9
cis-1,2-Dichloroethene	2.8	***30***	<0.12	1.4	***380***	***85***	***270***	***310***	***310***	***370***
Dichlorodifluoromethane	<0.2	<1	<0.2	<0.2	<0.4	<0.2	<0.4	<0.4	<1	<1
Ethylbenzene	<0.13	<0.65	<0.13	<0.13	<0.26	0.43 J	<0.26	<0.26	<0.65	<0.65
Isopropylbenzene	<0.14	<0.7	<0.14	<0.14	<0.28	<0.14	<0.28	<0.28	<0.7	<0.7
Methyl tert-butyl ether	<0.24	<1.2	<0.24	<0.24	<0.48	<0.24	<0.48	<0.48	<1.2	<1.2
Methylene Chloride	<0.68	<3.4	<0.68	<0.68	<1.4	<0.68	<1.4	<1.4	<3.4	<3.4
Naphthalene	<0.16	<0.8	<0.16	<0.16	<0.32	<0.16	<0.32	<0.32	<0.8	<0.8
n-Butylbenzene	<0.13	<0.65	<0.13	<0.13	<0.26	<0.13	<0.26	<0.26	<0.65	<0.65
N-Propylbenzene	<0.13	<0.65	<0.13	<0.13	<0.26	<0.13	<0.26	<0.26	<0.65	<0.65
p-Isopropyltoluene	<0.17	<0.85	<0.17	<0.17	<0.34	<0.17	<0.34	<0.34	<0.85	<0.85
sec-Butylbenzene	<0.15	<0.75	<0.15	<0.15	<0.3	<0.15	<0.3	<0.3	<0.75	<0.75
Styrene	<0.1	<0.5	<0.1	<0.1	<0.2	<0.1	<0.2	<0.2	<0.5	<0.5
tert-Butylbenzene	<0.14	<0.7	<0.14	<0.14	<0.28	<0.14	<0.28	<0.28	<0.7	<0.7
Tetrachloroethene	***490***	***1,100***	***53***	***380***	***1,200***	***700***	***1,600***	***1,500***	***1,100***	***1,700***
Toluene	<0.11	<0.55	<0.11	<0.11	<0.22	0.38 J	<0.22	<0.22	<0.55	<0.55
trans-1,2-Dichloroethene	<0.25	<1.3	<0.25	<0.25	5.1	<0.25	<0.5	2.9	<1.3	5.2
Trichloroethene	***5.3***	***41***	<0.19	***4.5***	***180***	***23***	***130***	***160***	***140***	***180***
Vinyl chloride	<0.1	<0.5	<0.1	<0.1	***1.4***	<0.1	<0.2	<0.2	<0.5	<0.5
Xylenes, Total	<0.068	<0.34	<0.068	<0.068	<0.14	2.5	<0.14	<0.14	<0.34	<0.34

Footnotes on Page 96.

Table 4-3. Groundwater Analytical Results 2010-2013, Madison-Kipp Corporation, Madison, Wisconsin.

Well ID	MW-20D2 (continued)				MW-21D					
Sample Interval (feet bls)	110-140	110-140	110-140	110-140	60-90	60-90	60-90	60-90	60-90	60-90
Sample Date	3/12/2013	4/18/2013	7/17/2013	10/15/2013	11/28/2012	1/17/2013	2/14/2013	3/12/2013	4/17/2013	7/18/2013
PAHs (µg/L)										
1-Methylnaphthalene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Methylnaphthalene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Naphthalene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total PCBs (µg/L)										
Aroclor1016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor1232	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor1242	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Detected PCBs	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dissolved PCBs (µg/L)										
Aroclor1016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor1232	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor1242	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Detected PCBs	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Metals (µg/L)										
Arsenic	NA	NA	NA	NA	0.20 J	<0.74	NA	NA	NA	NA
Barium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	NA	NA	NA	NA	<0.64	***22 J***	NA	NA	NA	NA
Iron	NA	NA	NA	NA	<37	<180	NA	NA	NA	NA
Lead	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	NA	NA	NA	NA	***74***	***6,000***	NA	NA	NA	NA

Footnotes on Page 96.

Table 4-3. Groundwater Analytical Results 2010-2013, Madison-Kipp Corporation, Madison, Wisconsin.

Well ID	MW-20D2 (continued)				MW-21D					
Sample Interval (feet bls)	110-140	110-140	110-140	110-140	60-90	60-90	60-90	60-90	60-90	60-90
Sample Date	3/12/2013	4/18/2013	7/17/2013	10/15/2013	11/28/2012	1/17/2013	2/14/2013	3/12/2013	4/17/2013	7/18/2013
Total Metals (µg/L) (continued)										
Mercury	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dissolved Metals (µg/L)										
Arsenic	NA	NA	NA	NA	0.19 J	<0.74	NA	NA	NA	NA
Barium	NA	NA	NA	NA	75	26	NA	NA	NA	NA
Cadmium	NA	NA	NA	NA	<0.1	<0.52	NA	NA	NA	NA
Chromium	NA	NA	NA	NA	<0.64	***23 J***	NA	NA	NA	NA
Iron	NA	NA	NA	NA	<37	<180	NA	NA	NA	NA
Lead	NA	NA	NA	NA	<0.16	<0.78	NA	NA	NA	NA
Manganese	NA	NA	NA	NA	***75***	***6,100***	NA	NA	NA	4
Mercury	NA	NA	NA	NA	0.16 J B	NA	NA	NA	NA	NA
Selenium	NA	NA	NA	NA	<0.25	<1.3	NA	NA	NA	NA
Silver	NA	NA	NA	NA	0.12 J	<0.34	NA	NA	NA	NA

Only VOCs, PAHs, and PCBs detected in one or more water samples are listed on the table. Refer to laboratory analytical reports for a complete list of constituents analyzed.

100	Concentration exceeds the NR 140 Wis. adm. code Preventive Action Limit.
100	Concentration exceeds the NR 140 Wis. adm. code Enforcement Standard.
<	Constituent not detected above noted laboratory detection limit.
*	Data is suspect and not used in evaluation.
B	Compound was found in the blank and the sample.
bls	Below land surface.
J	Result is between the method detection limit and the limit of quantitation.
µg/L	Micrograms per liter.
NA	Not analyzed.
NE	Not established.
ND	Not detected.
PCBs	Polychlorinated Biphenyls.
PAHs	Polycyclic Aromatic Hydrocarbons.
VOCs	Volatile Organic Compounds.

Table 4-3. Groundwater Analytical Results 2010-2013, Madison-Kipp Corporation, Madison, Wisconsin.

Well ID	MW-21D (continued)	MW-21D2						
Sample Interval (feet bls)	60-90	110-170	110-170	110-170	110-170	110-170	110-170	110-170
Sample Date	10/10/2013	11/28/2012	1/17/2013	2/14/2013	3/12/2013	4/17/2013	7/18/2013	10/15/2013
VOCs (µg/L)								
1,1,1,2-Tetrachloroethane	<1.3	<1.3	<0.25	<1.3	<1.3	<2.5	<1.3	<0.5
1,1,2-Trichloroethane	<1.4	<1.4	***1.4***	<1.4	<1.4	<2.8	<1.4	<0.56
1,1-Dichloroethene	<1.6	<1.6	<0.31	<1.6	<1.6	<3.1	<1.6	<0.62
1,2,4-Trimethylbenzene	<0.7	<0.7	<0.14	<0.7	<0.7	<1.4	<0.7	<0.28
1,2-Dibromoethane	<1.8	<1.8	<0.36	<1.8	<1.8	<3.6	<1.8	<0.72
1,2-Dichlorobenzene	<1.4	<1.4	<0.27	<1.4	<1.4	<2.7	<1.4	<0.54
1,2-Dichloropropane	<1	<1	<0.2	<1	<1	<2	<1	<0.4
1,3,5-Trimethylbenzene	<0.9	<0.9	<0.18	<0.9	<0.9	<1.8	<0.9	<0.36
Benzene	<0.37	<0.37	0.25 J	<0.37	<0.37	<0.74	<0.37	<0.15
Bromoform	<1.4	<1.4	<0.28	<1.4	<1.4	<2.8	<1.4	<0.56
Bromomethane	<1.6	<1.6	<0.31	<1.6 *	<1.6	<3.1	<1.6	<0.62
Carbon tetrachloride	<1.3	<1.3	<0.26	<1.3	<1.3	<2.6	<1.3	<0.52
Chloroform	<1	<1	<0.2	<1	<1	<2	<1	<0.4
Chloromethane	<0.9	<0.9	<0.18	<0.9	<0.9	<1.8	<0.9	<0.36
cis-1,2-Dichloroethene	***360***	***300***	<0.12	<0.6	<0.6	***190***	***220***	***110***
Dichlorodifluoromethane	<1	<1	<0.2	<1	<1	<2	<1	<0.4
Ethylbenzene	<0.65	<0.65	0.62	<0.65	<0.65	<1.3	<0.65	<0.26
Isopropylbenzene	<0.7	<0.7	<0.14	<0.7	<0.7	<1.4	<0.7	<0.28
Methyl tert-butyl ether	<1.2	<1.2	<0.24	<1.2	<1.2	<2.4	<1.2	<0.48
Methylene Chloride	<3.4	<3.4	<0.68	<3.4	<3.4	<6.8	<3.4	<1.4
Naphthalene	<0.8	<0.8	<0.16	<0.8	<0.8	<1.6	<0.8	<0.32
n-Butylbenzene	<0.65	<0.65	<0.13	<0.65	<0.65	<1.3	<0.65	<0.26
N-Propylbenzene	<0.65	<0.65	<0.13	<0.65	<0.65	<1.3	<0.65	<0.26
p-Isopropyltoluene	<0.85	<0.85	<0.17	<0.85	<0.85	<1.7	<0.85	<0.34
sec-Butylbenzene	<0.75	<0.75	<0.15	<0.75	<0.75	<1.5	<0.75	<0.3
Styrene	<0.5	<0.5	<0.1	<0.5	<0.5	<1	<0.5	<0.2
tert-Butylbenzene	<0.7	<0.7	<0.14	<0.7	<0.7	<1.4	<0.7	<0.28
Tetrachloroethene	***1,600***	***2,600***	***1,200***	***3,900***	***2,200***	***3,500***	***2,500***	***1,500***
Toluene	<0.55	<0.55	0.48 J	<0.55	<0.55	<1.1	<0.55	<0.22
trans-1,2-Dichloroethene	6	2.7 J	<0.25	<1.3	<1.3	<2.5	<1.3	<0.5
Trichloroethene	***160***	***160***	<0.19	***11***	***14***	***150***	***210***	***120***
Vinyl chloride	<0.5	<0.5	<0.1	<0.5	<0.5	<1	<0.5	<0.2
Xylenes, Total	<0.34	<0.34	4.3	<0.34	<0.34	<0.68	<0.34	<0.14

Footnotes on Page 99.

Table 4-3. Groundwater Analytical Results 2010-2013, Madison-Kipp Corporation, Madison, Wisconsin.

Well ID	MW-21D (continued)	MW-21D2						
Sample Interval (feet bls)	60-90	110-170	110-170	110-170	110-170	110-170	110-170	110-170
Sample Date	10/10/2013	11/28/2012	1/17/2013	2/14/2013	3/12/2013	4/17/2013	7/18/2013	10/15/2013
PAHs (µg/L)								
1-Methylnaphthalene	NA	NA	NA	NA	NA	NA	NA	NA
2-Methylnaphthalene	NA	NA	NA	NA	NA	NA	NA	NA
Naphthalene	NA	NA	NA	NA	NA	NA	NA	NA
Total PCBs (µg/L)								
Aroclor1016	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor1232	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor1242	NA	NA	NA	NA	NA	NA	NA	NA
Total Detected PCBs	NA	NA	NA	NA	NA	NA	NA	NA
Dissolved PCBs (µg/L)								
Aroclor1016	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor1232	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor1242	NA	NA	NA	NA	NA	NA	NA	NA
Total Detected PCBs	NA	NA	NA	NA	NA	NA	NA	NA
Total Metals (µg/L)								
Arsenic	NA	0.29 J	<0.74	NA	NA	NA	NA	NA
Barium	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	NA	6.5	***40***	NA	NA	NA	NA	NA
Iron	NA	***460***	<180	NA	NA	NA	NA	NA
Lead	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	NA	***450***	***340,000***	NA	NA	NA	NA	NA

Footnotes on Page 99.

Table 4-3. Groundwater Analytical Results 2010-2013, Madison-Kipp Corporation, Madison, Wisconsin.

Well ID	MW-21D (continued)	MW-21D2						
Sample Interval (feet bls)	60-90	110-170	110-170	110-170	110-170	110-170	110-170	110-170
Sample Date	10/10/2013	11/28/2012	1/17/2013	2/14/2013	3/12/2013	4/17/2013	7/18/2013	10/15/2013
Total Metals (µg/L) (continued)								
Mercury	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	NA	NA	NA	NA	NA	NA	NA	NA
Silver	NA	NA	NA	NA	NA	NA	NA	NA
Dissolved Metals (µg/L)								
Arsenic	NA	0.22 J	<0.74	NA	NA	NA	NA	NA
Barium	NA	100	37	NA	NA	NA	NA	NA
Cadmium	NA	<0.1	<0.52	NA	NA	NA	NA	NA
Chromium	NA	5.6	***45***	NA	NA	NA	NA	NA
Iron	NA	<37	<180	NA	NA	NA	NA	NA
Lead	NA	<0.16	<0.78	NA	NA	NA	NA	NA
Manganese	NA	***410***	***340,000***	NA	NA	NA	28	NA
Mercury	NA	0.18 J B	NA	NA	NA	NA	NA	NA
Selenium	NA	0.37 J	5.4 J	NA	NA	NA	NA	NA
Silver	NA	<0.069	<0.34	NA	NA	NA	NA	NA

Only VOCs, PAHs, and PCBs detected in one or more water samples are listed on the table. Refer to laboratory analytical reports for a complete list of constituents analyzed.

100	Concentration exceeds the NR 140 Wis. adm. code Preventive Action Limit.
100	Concentration exceeds the NR 140 Wis. adm. code Enforcement Standard.
<	Constituent not detected above noted laboratory detection limit.
*	Data is suspect and not used in evaluation.
B	Compound was found in the blank and the sample.
bls	Below land surface.
J	Result is between the method detection limit and the limit of quantitation.
µg/L	Micrograms per liter.
NA	Not analyzed.
NE	Not established.
ND	Not detected.
PCBs	Polychlorinated Biphenyls.
PAHs	Polycyclic Aromatic Hydrocarbons.
VOCs	Volatile Organic Compounds.

Table 4-3. Groundwater Analytical Results 2010-2013, Madison-Kipp Corporation, Madison, Wisconsin.

Well ID	MW-22S					MW-22D				
Sample Interval (feet bls)	24-35	24-35	24-35	24-35	24-35	45-50	45-50	45-50	45-50	45-50
Sample Date	1/15/2013	3/7/2013	4/19/2013	7/16/2013	10/10/2013	1/15/2013	3/8/2013	4/19/2013	7/16/2013	10/10/2013
VOCs (µg/L)										
1,1,1,2-Tetrachloroethane	<0.25	NA	<0.25	<0.25	<0.25	<0.25	NA	<0.25	<0.25	<0.25
1,1,2-Trichloroethane	<0.28	NA	<0.28	<0.28	<0.28	<0.28	NA	<0.28	<0.28	<0.28
1,1-Dichloroethene	<0.31	NA	<0.31	<0.31	<0.31	<0.31	NA	<0.31	<0.31	<0.31
1,2,4-Trimethylbenzene	0.86 J	NA	<0.14	<0.14	<0.14	<0.14	NA	<0.14	<0.14	<0.14
1,2-Dibromoethane	<0.36	NA	<0.36	<0.36	<0.36	<0.36	NA	<0.36	<0.36	<0.36
1,2-Dichlorobenzene	<0.27	NA	<0.27	<0.27	<0.27	<0.27	NA	<0.27	<0.27	<0.27
1,2-Dichloropropane	<0.2	NA	<0.2	<0.2	<0.2	<0.2	NA	<0.2	<0.2	<0.2
1,3,5-Trimethylbenzene	<0.18	NA	<0.18	<0.18	<0.18	<0.18	NA	<0.18	<0.18	<0.18
Benzene	***1.1***	NA	<0.074	<0.074	<0.074	<0.074	NA	<0.074	<0.074	<0.074
Bromoform	<0.28	NA	<0.28	<0.28	<0.28	<0.28	NA	<0.28	<0.28	<0.28
Bromomethane	<0.31	NA	<0.31	<0.31	<0.31	<0.31	NA	<0.31	<0.31	<0.31
Carbon tetrachloride	<0.26	NA	<0.26	<0.26	<0.26	<0.26	NA	<0.26	<0.26	<0.26
Chloroform	***1***	NA	***0.91 J***	***1.4***	<0.2	<0.2	NA	<0.2	<0.2	<0.2
Chloromethane	<0.18	NA	<0.18	<0.18	<0.18	0.47 J	NA	<0.18	<0.18	<0.18
cis-1,2-Dichloroethene	1.8	NA	6.1	3.8	***97***	3.6	NA	4.9	3.7	<0.12
Dichlorodifluoromethane	<0.2	NA	<0.2	<0.2	<0.2	<0.2	NA	<0.2	<0.2	<0.2
Ethylbenzene	0.5	NA	<0.13	<0.13	<0.13	<0.13	NA	<0.13	<0.13	<0.13
Isopropylbenzene	<0.14	NA	<0.14	<0.14	<0.14	<0.14	NA	<0.14	<0.14	<0.14
Methyl tert-butyl ether	<0.24	NA	<0.24	<0.24	<0.24	<0.24	NA	<0.24	<0.24	<0.24
Methylene Chloride	<0.68	NA	<0.68	<0.68	<0.68	<0.68	NA	<0.68	<0.68	<0.68
Naphthalene	<0.16	NA	<0.16	<0.16	<0.16	<0.16	NA	<0.16	<0.16	<0.16
n-Butylbenzene	<0.13	NA	<0.13	<0.13	<0.13	<0.13	NA	<0.13	<0.13	<0.13
N-Propylbenzene	<0.13	NA	<0.13	<0.13	<0.13	<0.13	NA	<0.13	<0.13	<0.13
p-Isopropyltoluene	<0.17	NA	<0.17	<0.17	<0.17	<0.17	NA	<0.17	<0.17	<0.17
sec-Butylbenzene	<0.15	NA	<0.15	<0.15	<0.15	<0.15	NA	<0.15	<0.15	<0.15
Styrene	<0.1	NA	<0.1	<0.1	<0.1	<0.1	NA	<0.1	<0.1	<0.1
tert-Butylbenzene	<0.14	NA	<0.14	<0.14	<0.14	<0.14	NA	<0.14	<0.14	<0.14
Tetrachloroethene	***180***	NA	***160***	***210***	***13***	***520***	NA	***450***	***270***	***190***
Toluene	1.7	NA	<0.11	<0.11	<0.11	<0.11	NA	<0.11	0.37 J	<0.11
trans-1,2-Dichloroethene	<0.25	NA	<0.25	<0.25	<0.25	<0.25	NA	<0.25	<0.25	<0.25
Trichloroethene	***4.8***	NA	***5.4***	***8.5***	***6.1***	***5.8***	NA	***5.8***	***5.0***	***4.9***
Vinyl chloride	<0.1	NA	<0.1	<0.1	<0.1	<0.1	NA	<0.1	<0.1	<0.1
Xylenes, Total	1.5	NA	<0.068	<0.068	<0.068	<0.068	NA	<0.068	<0.068	<0.068

Footnotes on Page 102.

Table 4-3. Groundwater Analytical Results 2010-2013, Madison-Kipp Corporation, Madison, Wisconsin.

Well ID	MW-22S					MW-22D				
Sample Interval (feet bls)	24-35	24-35	24-35	24-35	24-35	45-50	45-50	45-50	45-50	45-50
Sample Date	1/15/2013	3/7/2013	4/19/2013	7/16/2013	10/10/2013	1/15/2013	3/8/2013	4/19/2013	7/16/2013	10/10/2013
PAHs (µg/L)										
1-Methylnaphthalene	<1	NA	NA	NA	NA	<1	NA	NA	NA	NA
2-Methylnaphthalene	<0.13	NA	NA	NA	NA	<0.14	NA	NA	NA	NA
Naphthalene	0.31 J	NA	NA	NA	NA	<0.31	NA	NA	NA	NA
Total PCBs (µg/L)										
Aroclor1016	***12***	<0.033	***4***	<0.064	<0.064	***2.4***	<0.033	<0.064	<0.063	<0.063
Aroclor1232	<0.49	***13***	<0.19	<0.19	***12***	<0.092	***2.6***	<0.19	<0.19	***3.3***
Aroclor1242	<0.69	<0.099	<0.19	***4.7***	<0.19	<0.13	<0.1	<0.19	***0.97***	<0.19
Total Detected PCBs	12	13	4	4.7	12	2.4	2.6	ND	1.0	3.3
Dissolved PCBs (µg/L)										
Aroclor1016	NA	<0.037	<0.068	<0.065	<0.063	NA	<0.033	<0.064	<0.064	<0.065
Aroclor1232	NA	<0.11	<0.2	<0.19	<0.19	NA	<0.1	<0.19	<0.19	<0.19
Aroclor1242	NA	<0.11	<0.2	<0.19	<0.19	NA	<0.1	<0.19	<0.19	<0.19
Total Detected PCBs	NA	ND	ND	ND	ND	NA	ND	ND	ND	ND
Total Metals (µg/L)										
Arsenic	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Footnotes on Page 102.

Table 4-3. Groundwater Analytical Results 2010-2013, Madison-Kipp Corporation, Madison, Wisconsin.

Well ID	MW-22S					MW-22D				
Sample Interval (feet bls)	**24-35**	**24-35**	**24-35**	**24-35**	**24-35**	**45-50**	**45-50**	**45-50**	**45-50**	**45-50**
Sample Date	**1/15/2013**	**3/7/2013**	**4/19/2013**	**7/16/2013**	**10/10/2013**	**1/15/2013**	**3/8/2013**	**4/19/2013**	**7/16/2013**	**10/10/2013**
Total Metals (µg/L) (continued)										
Mercury	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dissolved Metals (µg/L)										
Arsenic	***1.2***	NA	NA	NA	NA	0.29 J	NA	NA	NA	NA
Barium	200	NA	NA	NA	NA	130	NA	NA	NA	NA
Cadmium	<0.1	NA	NA	NA	NA	<0.1	NA	NA	NA	NA
Chromium	<0.64	NA	NA	NA	NA	1.8 J	NA	NA	NA	NA
Iron	***200***	NA	NA	NA	NA	66 J	NA	NA	NA	NA
Lead	0.22 J	NA	NA	NA	NA	<0.16	NA	NA	NA	NA
Manganese	***1,400***	NA	NA	NA	NA	***510***	NA	NA	NA	NA
Mercury	<0.071	NA	NA	NA	NA	<0.071	NA	NA	NA	NA
Selenium	0.34 J	NA	NA	NA	NA	<0.25	NA	NA	NA	NA
Silver	<0.069	NA	NA	NA	NA	<0.069	NA	NA	NA	NA

Only VOCs, PAHs, and PCBs detected in one or more water samples are listed on the table. Refer to laboratory analytical reports for a complete list of constituents analyzed.

100	Concentration exceeds the NR 140 Wis. adm. code Preventive Action Limit.
100	Concentration exceeds the NR 140 Wis. adm. code Enforcement Standard.
<	Constituent not detected above noted laboratory detection limit.
*	Data is suspect and not used in evaluation.
B	Compound was found in the blank and the sample.
bls	Below land surface.
J	Result is between the method detection limit and the limit of quantitation.
µg/L	Micrograms per liter.
NA	Not analyzed.
NE	Not established.
ND	Not detected.
PCBs	Polychlorinated Biphenyls.
PAHs	Polycyclic Aromatic Hydrocarbons.
VOCs	Volatile Organic Compounds.

Table 4-3. Groundwater Analytical Results 2010-2013, Madison-Kipp Corporation, Madison, Wisconsin.

Well ID	MW-23S						MW-23D			
Sample Interval (feet bls)	24-35	24-35	24-35	24-35	24-35	24-35	45-50	45-50	45-50	45-50
Sample Date	1/15/2013	4/19/2013	7/16/2013	9/5/2013	9/5/2013	10/10/2013	1/14/2013	3/8/2013	4/19/2013	4/20/2013
VOCs (µg/L)										
1,1,1,2-Tetrachloroethane	<0.25	<0.25	<0.25	<0.25	NA	<0.25	<0.25	NA	<0.25	NA
1,1,2-Trichloroethane	<0.28	<0.28	<0.28	<0.28	NA	***1.8***	<0.28	NA	<0.28	NA
1,1-Dichloroethene	<0.31	<0.31	<0.31	<0.31	NA	<0.31	<0.31	NA	<0.31	NA
1,2,4-Trimethylbenzene	<0.14	<0.14	<0.14	<0.14	NA	<0.14	<0.14	NA	<0.14	NA
1,2-Dibromoethane	<0.36	<0.36	<0.36	<0.36	NA	<0.36	<0.36	NA	<0.36	NA
1,2-Dichlorobenzene	<0.27	<0.27	<0.27	<0.27	NA	<0.27	<0.27	NA	<0.27	NA
1,2-Dichloropropane	<0.2	<0.2	<0.2	<0.2	NA	<0.2	<0.2	NA	<0.2	NA
1,3,5-Trimethylbenzene	<0.18	<0.18	<0.18	<0.18	NA	<0.18	<0.18	NA	<0.18	NA
Benzene	***0.73***	<0.074	<0.074	<0.074	NA	<0.074	0.32 J	NA	<0.074	NA
Bromoform	<0.28	<0.28	<0.28	<0.28	NA	<0.28	<0.28	NA	<0.28	NA
Bromomethane	<0.31	<0.31	<0.31	<0.31	NA	<0.31	<0.31	NA	<0.31	NA
Carbon tetrachloride	<0.26	<0.26	<0.26	<0.26	NA	<0.26	<0.26	NA	<0.26	NA
Chloroform	<0.2	<0.2	<0.2	<0.2	NA	<0.2	<0.2	NA	<0.2	NA
Chloromethane	1.2	<0.18	<0.18	<0.18	NA	<0.18	<0.18	NA	<0.18	NA
cis-1,2-Dichloroethene	<0.12	3.7	***29***	***27***	NA	***16***	<0.12	NA	<0.12	NA
Dichlorodifluoromethane	<0.2	<0.2	<0.2	<0.2	NA	<0.2	<0.2	NA	<0.2	NA
Ethylbenzene	0.43 J	<0.13	<0.13	<0.13	NA	<0.13	0.20 J	NA	<0.13	NA
Isopropylbenzene	<0.14	<0.14	<0.14	<0.14	NA	<0.14	<0.14	NA	<0.14	NA
Methyl tert-butyl ether	<0.24	<0.24	<0.24	<0.24	NA	<0.24	<0.24	NA	<0.24	NA
Methylene Chloride	<0.68	<0.68	<0.68	<0.68	NA	<0.68	<0.68	NA	<0.68	NA
Naphthalene	<0.16	<0.16	<0.16	<0.16	NA	<0.16	<0.16	NA	<0.16	NA
n-Butylbenzene	<0.13	<0.13	<0.13	<0.13	NA	<0.13	<0.13	NA	<0.13	NA
N-Propylbenzene	<0.13	<0.13	<0.13	<0.13	NA	<0.13	<0.13	NA	<0.13	NA
p-Isopropyltoluene	<0.17	<0.17	<0.17	<0.17	NA	<0.17	<0.17	NA	<0.17	NA
sec-Butylbenzene	<0.15	<0.15	<0.15	<0.15	NA	<0.15	<0.15	NA	<0.15	NA
Styrene	<0.1	<0.1	<0.1	<0.1	NA	<0.1	<0.1	NA	<0.1	NA
tert-Butylbenzene	<0.14	<0.14	<0.14	<0.14	NA	<0.14	<0.14	NA	<0.14	NA
Tetrachloroethene	***290***	***580***	***420***	***240***	NA	***130***	***100***	NA	***86***	NA
Toluene	1.3	<0.11	<0.11	<0.11	NA	<0.11	0.6	NA	<0.11	NA
trans-1,2-Dichloroethene	<0.25	<0.25	<0.25	<0.25	NA	<0.25	<0.25	NA	<0.25	NA
Trichloroethene	***0.6***	***1.4***	***20***	***17***	NA	***15***	<0.19	NA	***0.53***	NA
Vinyl chloride	<0.1	<0.1	<0.1	<0.1	NA	<0.1	<0.1	NA	<0.1	NA
Xylenes, Total	0.95 J	<0.068	<0.068	<0.068	NA	<0.068	0.68 J	NA	<0.068	NA

Footnotes on Page 105.

Table 4-3. Groundwater Analytical Results 2010-2013, Madison-Kipp Corporation, Madison, Wisconsin.

Well ID	MW-23S						MW-23D			
Sample Interval (feet bls)	24-35	24-35	24-35	24-35	24-35	24-35	45-50	45-50	45-50	45-50
Sample Date	1/15/2013	4/19/2013	7/16/2013	9/5/2013	9/5/2013	10/10/2013	1/14/2013	3/8/2013	4/19/2013	4/20/2013
PAHs (µg/L)										
1-Methylnaphthalene	<1	NA	NA	NA	NA	NA	<1.1	NA	NA	NA
2-Methylnaphthalene	<0.14	NA	NA	NA	NA	NA	<0.14	NA	NA	NA
Naphthalene	<0.31	NA	NA	NA	NA	NA	<0.33	NA	NA	NA
Total PCBs (µg/L)										
Aroclor1016	<0.19	NA	<0.063	<0.028	NA	<0.066	<0.16	<0.034	NA	<0.065
Aroclor1232	<0.11	NA	<0.19	<0.083	NA	<0.2	<0.089	<0.1	NA	<0.19
Aroclor1242	<0.15	NA	<0.19	<0.083	NA	<0.2	***0.24 J***	<0.1	NA	<0.19
Total Detected PCBs	ND	NA	ND	ND	NA	ND	0.24	ND	NA	ND
Dissolved PCBs (µg/L)										
Aroclor1016	NA	NA	<0.063	NA	<0.026	<0.064	NA	<0.034	NA	<0.066
Aroclor1232	NA	NA	<0.19	NA	<0.078	<0.19	NA	<0.1	NA	<0.2
Aroclor1242	NA	NA	<0.19	NA	<0.078	<0.19	NA	<0.1	NA	<0.2
Total Detected PCBs	NA	NA	ND	NA	ND	ND	NA	ND	NA	ND
Total Metals (µg/L)										
Arsenic	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Footnotes on Page 105.

Table 4-3. Groundwater Analytical Results 2010-2013, Madison-Kipp Corporation, Madison, Wisconsin.

Well ID	MW-23S						MW-23D			
Sample Interval (feet bls)	24-35	24-35	24-35	24-35	24-35	24-35	45-50	45-50	45-50	45-50
Sample Date	1/15/2013	4/19/2013	7/16/2013	9/5/2013	9/5/2013	10/10/2013	1/14/2013	3/8/2013	4/19/2013	4/20/2013
Total Metals (µg/L) (continued)										
Mercury	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dissolved Metals (µg/L)										
Arsenic	0.56 J	NA	NA	NA	NA	NA	0.35 J	NA	NA	NA
Barium	120	NA	NA	NA	NA	NA	120	NA	NA	NA
Cadmium	<0.1	NA	NA	NA	NA	NA	<0.1	NA	NA	NA
Chromium	0.90 J	NA	NA	NA	NA	NA	<0.64	NA	NA	NA
Iron	***280***	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	0.25 J	NA	NA	NA	NA	NA	<0.16	NA	NA	NA
Manganese	***880***	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	<0.071	NA	NA	NA	NA	NA	<0.071	NA	NA	NA
Selenium	0.79 J	NA	NA	NA	NA	NA	1.0 J	NA	NA	NA
Silver	<0.069	NA	NA	NA	NA	NA	<0.069	NA	NA	NA

Only VOCs, PAHs, and PCBs detected in one or more water samples are listed on the table. Refer to laboratory analytical reports for a complete list of constituents analyzed.

100	Concentration exceeds the NR 140 Wis. adm. code Preventive Action Limit.
100	Concentration exceeds the NR 140 Wis. adm. code Enforcement Standard.
<	Constituent not detected above noted laboratory detection limit.
*	Data is suspect and not used in evaluation.
B	Compound was found in the blank and the sample.
bls	Below land surface.
J	Result is between the method detection limit and the limit of quantitation.
µg/L	Micrograms per liter.
NA	Not analyzed.
NE	Not established.
ND	Not detected.
PCBs	Polychlorinated Biphenyls.
PAHs	Polycyclic Aromatic Hydrocarbons.
VOCs	Volatile Organic Compounds.

Table 4-3. Groundwater Analytical Results 2010-2013, Madison-Kipp Corporation, Madison, Wisconsin.

Well ID	MW-23D (continued)		MW-24			MW-25D			MW-25D2	
Sample Interval (feet bls)	45-50	45-50	30-40	30-40	30-40	120-130	120-130	120-130	160-170	160-170
Sample Date	7/17/2013	10/10/2013	4/29/2013	7/19/2013	10/8/2013	5/6/2013	7/19/2013	10/9/2013	5/6/2013	7/19/2013
VOCs (µg/L)										
1,1,1,2-Tetrachloroethane	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25
1,1,2-Trichloroethane	<0.28	<0.28	<0.28	<0.28	<0.28	<0.28	<0.28	<0.28	<0.28	<0.28
1,1-Dichloroethene	<0.31	<0.31	<0.31	<0.31	<0.31	<0.31	<0.31	<0.31	<0.31	<0.31
1,2,4-Trimethylbenzene	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14
1,2-Dibromoethane	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36
1,2-Dichlorobenzene	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27
1,2-Dichloropropane	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
1,3,5-Trimethylbenzene	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18
Benzene	<0.074	<0.074	<0.074	<0.074	<0.074	<0.074	<0.074	<0.074	<0.074	<0.074
Bromoform	<0.28	<0.28	<0.28	<0.28	<0.28	<0.28	<0.28	<0.28	<0.28	<0.28
Bromomethane	<0.31	<0.31	<0.31	<0.31	<0.31	<0.31	<0.31	<0.31	<0.31	<0.31
Carbon tetrachloride	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26
Chloroform	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Chloromethane	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18
cis-1,2-Dichloroethene	<0.12	<0.12	<0.12	<0.12	<0.12	<0.12	<0.12	<0.12	<0.12	<0.12
Dichlorodifluoromethane	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Ethylbenzene	<0.13	<0.13	<0.13	0.31 J	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13
Isopropylbenzene	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14
Methyl tert-butyl ether	<0.24	<0.24	<0.24	<0.24	<0.24	<0.24	<0.24	<0.24	<0.24	<0.24
Methylene Chloride	<0.68	<0.68	<0.68	<0.68	<0.68	<0.68	<0.68	***5.3***	<0.68	<0.68
Naphthalene	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16
n-Butylbenzene	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13
N-Propylbenzene	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13
p-Isopropyltoluene	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17
sec-Butylbenzene	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15
Styrene	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
tert-Butylbenzene	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14
Tetrachloroethene	***170***	***160***	***3.0***	***3.0***	***3.3***	***0.76 J***	***2.8***	***3.1***	<0.17	<0.17
Toluene	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11
trans-1,2-Dichloroethene	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25
Trichloroethene	0.21 J	<0.19	<0.19	<0.19	<0.19	<0.19	<0.19	<0.19	<0.19	<0.19
Vinyl chloride	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Xylenes, Total	<0.068	<0.068	<0.068	0.37 J	<0.068	<0.068	0.36 J	<0.068	<0.068	<0.068

Footnotes on Page 108.

Table 4-3. Groundwater Analytical Results 2010-2013, Madison-Kipp Corporation, Madison, Wisconsin.

Well ID	MW-23D (continued)		MW-24			MW-25D			MW-25D2	
Sample Interval (feet bls)	45-50	45-50	30-40	30-40	30-40	120-130	120-130	120-130	160-170	160-170
Sample Date	7/17/2013	10/10/2013	4/29/2013	7/19/2013	10/8/2013	5/6/2013	7/19/2013	10/9/2013	5/6/2013	7/19/2013
PAHs (µg/L)										
1-Methylnaphthalene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Methylnaphthalene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Naphthalene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total PCBs (µg/L)										
Aroclor1016	<0.067 *	<0.064	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor1232	<0.2	<0.19	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor1242	<0.2	<0.19	NA	NA	NA	NA	NA	NA	NA	NA
Total Detected PCBs	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA
Dissolved PCBs (µg/L)										
Aroclor1016	<0.068 *	<0.065	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor1232	<0.2	<0.19	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor1242	<0.2	<0.19	NA	NA	NA	NA	NA	NA	NA	NA
Total Detected PCBs	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA
Total Metals (µg/L)										
Arsenic	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Footnotes on Page 108.

Table 4-3. Groundwater Analytical Results 2010-2013, Madison-Kipp Corporation, Madison, Wisconsin.

Well ID	MW-23D (continued)		MW-24			MW-25D			MW-25D2	
Sample Interval (feet bls)	45-50	45-50	30-40	30-40	30-40	120-130	120-130	120-130	160-170	160-170
Sample Date	7/17/2013	10/10/2013	4/29/2013	7/19/2013	10/8/2013	5/6/2013	7/19/2013	10/9/2013	5/6/2013	7/19/2013
Total Metals (µg/L) (continued)										
Mercury	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dissolved Metals (µg/L)										
Arsenic	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Only VOCs, PAHs, and PCBs detected in one or more water samples are listed on the table. Refer to laboratory analytical reports for a complete list of constituents analyzed.

100	Concentration exceeds the NR 140 Wis. adm. code Preventive Action Limit.
100	Concentration exceeds the NR 140 Wis. adm. code Enforcement Standard.
<	Constituent not detected above noted laboratory detection limit.
*	Data is suspect and not used in evaluation.
B	Compound was found in the blank and the sample.
bls	Below land surface.
J	Result is between the method detection limit and the limit of quantitation.
µg/L	Micrograms per liter.
NA	Not analyzed.
NE	Not established.
ND	Not detected.
PCBs	Polychlorinated Biphenyls.
PAHs	Polycyclic Aromatic Hydrocarbons.
VOCs	Volatile Organic Compounds.

Table 4-3. Groundwater Analytical Results 2010-2013, Madison-Kipp Corporation, Madison, Wisconsin.

Well ID	MW-25D2 (continued)	MW-26S		MW-27D	MW-27D2
Sample Interval (feet bls)	160-170	6.8-16.8	6.8-16.8	130-140	170-180
Sample Date	10/4/2013	8/23/2013	10/9/2013	12/26/2013	12/26/2013
VOCs (µg/L)					
1,1,1,2-Tetrachloroethane	<0.25	<0.25	<0.25	<0.25	<0.25
1,1,2-Trichloroethane	<0.28	<0.28	<0.28	<0.28	<0.28
1,1-Dichloroethene	<0.31	<0.31	<0.31	<0.31	<0.31
1,2,4-Trimethylbenzene	<0.14	<0.14	<0.14	<0.14	<0.14
1,2-Dibromoethane	<0.36	<0.36	<0.36	<0.36	<0.36
1,2-Dichlorobenzene	<0.27	<0.27	<0.27	<0.27	<0.27
1,2-Dichloropropane	<0.2	<0.2	<0.2	<0.2	<0.2
1,3,5-Trimethylbenzene	<0.18	<0.18	<0.18	<0.18	<0.18
Benzene	<0.074	<0.074	<0.074	<0.074	<0.074
Bromoform	<0.28	<0.28	<0.28	<0.28	<0.28
Bromomethane	<0.31	<0.31	<0.31	<0.31	<0.31
Carbon tetrachloride	<0.26	<0.26	<0.26	<0.26	<0.26
Chloroform	<0.2	<0.2	<0.2	<0.2	<0.2
Chloromethane	<0.18	<0.18	<0.18	<0.18	<0.18
cis-1,2-Dichloroethene	<0.12	<0.12	<0.12	0.85 J	4
Dichlorodifluoromethane	<0.2	<0.2	<0.2	<0.2	<0.2
Ethylbenzene	<0.13	<0.13	<0.13	<0.13	<0.13
Isopropylbenzene	<0.14	<0.14	<0.14	<0.14	<0.14
Methyl tert-butyl ether	<0.24	<0.24	<0.24	<0.24	<0.24
Methylene Chloride	<0.68	<0.68	<0.68	<0.68	<0.68
Naphthalene	<0.16	<0.16	<0.16	<0.16	<0.16
n-Butylbenzene	<0.13	<0.13	<0.13	<0.13	<0.13
N-Propylbenzene	<0.13	<0.13	<0.13	<0.13	<0.13
p-Isopropyltoluene	<0.17	<0.17	<0.17	<0.17	<0.17
sec-Butylbenzene	<0.15	<0.15	<0.15	<0.15	<0.15
Styrene	<0.1	<0.1	<0.1	<0.1	<0.1
tert-Butylbenzene	<0.14	<0.14	<0.14	<0.14	<0.14
Tetrachloroethene	<0.17	***1.4***	<0.17	***1.8***	***11***
Toluene	<0.11	<0.11	<0.11	1	0.20 J
trans-1,2-Dichloroethene	<0.25	<0.25	<0.25	<0.25	<0.25
Trichloroethene	<0.19	<0.19	<0.19	***1.3***	***7.2***
Vinyl chloride	<0.1	<0.1	<0.1	<0.1	<0.1
Xylenes, Total	<0.068	<0.068	<0.068	<0.068	<0.068

Footnotes on Page 111.

Table 4-3. Groundwater Analytical Results 2010-2013, Madison-Kipp Corporation, Madison, Wisconsin.

Well ID	MW-25D2 (continued)	MW-26S		MW-27D	MW-27D2
Sample Interval (feet bls)	160-170	6.8-16.8	6.8-16.8	130-140	170-180
Sample Date	10/4/2013	8/23/2013	10/9/2013	12/26/2013	12/26/2013
PAHs (µg/L)					
1-Methylnaphthalene	NA	NA	NA	NA	NA
2-Methylnaphthalene	NA	NA	NA	NA	NA
Naphthalene	NA	NA	NA	NA	NA
Total PCBs (µg/L)					
Aroclor1016	NA	NA	NA	NA	NA
Aroclor1232	NA	NA	NA	NA	NA
Aroclor1242	NA	NA	NA	NA	NA
Total Detected PCBs	NA	NA	NA	NA	NA
Dissolved PCBs (µg/L)					
Aroclor1016	NA	NA	NA	NA	NA
Aroclor1232	NA	NA	NA	NA	NA
Aroclor1242	NA	NA	NA	NA	NA
Total Detected PCBs	NA	NA	NA	NA	NA
Total Metals (µg/L)					
Arsenic	NA	NA	NA	NA	NA
Barium	NA	NA	NA	NA	NA
Cadmium	NA	NA	NA	NA	NA
Chromium	NA	NA	NA	NA	NA
Iron	NA	NA	NA	NA	NA
Lead	NA	NA	NA	NA	NA
Manganese	NA	NA	NA	NA	NA

Footnotes on Page 111.

Table 4-3. Groundwater Analytical Results 2010-2013, Madison-Kipp Corporation, Madison, Wisconsin.

Well ID	MW-25D2 (continued)	MW-26S		MW-27D	MW-27D2
Sample Interval (feet bls)	160-170	6.8-16.8	6.8-16.8	130-140	170-180
Sample Date	10/4/2013	8/23/2013	10/9/2013	12/26/2013	12/26/2013
Total Metals (µg/L) (continued)					
Mercury	NA	NA	NA	NA	NA
Selenium	NA	NA	NA	NA	NA
Silver	NA	NA	NA	NA	NA
Dissolved Metals (µg/L)					
Arsenic	NA	NA	NA	NA	NA
Barium	NA	NA	NA	NA	NA
Cadmium	NA	NA	NA	NA	NA
Chromium	NA	NA	NA	NA	NA
Iron	NA	NA	NA	NA	NA
Lead	NA	NA	NA	NA	NA
Manganese	NA	NA	NA	NA	NA
Mercury	NA	NA	NA	NA	NA
Selenium	NA	NA	NA	NA	NA
Silver	NA	NA	NA	NA	NA

Only VOCs, PAHs, and PCBs detected in one or more water samples are listed on the table. Refer to laboratory analytical reports for a complete list of constituents analyzed.

100	Concentration exceeds the NR 140 Wis. adm. code Preventive Action Limit.
100	Concentration exceeds the NR 140 Wis. adm. code Enforcement Standard.
<	Constituent not detected above noted laboratory detection limit.
*	Data is suspect and not used in evaluation.
B	Compound was found in the blank and the sample.
bls	Below land surface.
J	Result is between the method detection limit and the limit of quantitation.
µg/L	Micrograms per liter.
NA	Not analyzed.
NE	Not established.
ND	Not detected.
PCBs	Polychlorinated Biphenyls.
PAHs	Polycyclic Aromatic Hydrocarbons.
VOCs	Volatile Organic Compounds.

Table 4-4. Summary of Soil Vapor Probe Analytical Results 2009 - 2013, Madison-Kipp Corporation, Madison, Wisconsin.

Sample Name	Calculated Screening Levels [1,2]		VP-1N			VP-1S			VP-2N		
Sample Date	Deep Soil Gas Non-Residential	Deep Soil Gas Residential	09/17/09	10/26/12	07/15/13	09/17/09	10/26/12	07/15/13	09/17/09	10/26/12	07/15/13
VOC											
cis-1,2-Dichloroethene	NE	NE	--	0.52	2.6	--	<0.15	0.26	--	<0.93	2.5
trans-1,2-Dichloroethene	65,604	1,590	--	<0.36	<0.26	--	<0.15	<0.16	--	<0.93	<0.39
1,2-Dichloroethene**	NE	NE	<20	0.52	2.6	341	<0.15	0.26	500	<0.93	2.5
Tetrachloroethene	26,512	619	160	65	76	1,400	4.8	33	1,300	160	110
Trichloroethene	1,642	39	<10	0.52	1.1	260	0.15	0.44	370	<0.93	1.4
Vinyl Chloride	10,954	63	--	<0.36	<0.26	--	<0.15	<0.16	--	<0.93	<0.39

All units presented in parts per billion by volume (ppbv).

1 Screening Levels were calculated in accordance with Section VI A 1 of *Addressing Vapor Intrusion at Remediation and Redevelopment Sites in Wisconsin* (WDNR, 2010), accessed at: http://dnr.wi.gov/files/PDF/pubs/rr/RR800.pdf

2 For non-residential, the following attenuation factor was used: 0.001 for deep soil gas to indoor air [Section VI A 3 of WDNR (2010)].
For residential, the following attenuation factor was used: 0.01 for deep soil gas to indoor air [Section VI A 2 of WDNR (2010)].

** The compound 1,2-Dichloroethene was reported in 2009. The compounds cis- and trans-1,2-Dichloroethene were reported in 2011 and 2012 and have been manually combined for comparison purposes.

Residential and non-residential criteria are provided for comparison purposes. Soil Vapor Probes VP-3 through VP-6 are compared only to deep soil gas non-residential criteria due to the location of the probes (large commercial/industrial building, greater than 5 feet below the nearest building foundation).

100 Result exceeds the Wisconsin Residential Deep Soil Gas Calculated Screening Level with a 0.01 attenuation factor

100 Result exceeds the Wisconsin Non-Residential Deep Soil Gas Calculated Screening Level with a 0.001 attenuation factor

< Constituent not detected above noted laboratory detection limit.

-- Not designated.

*D Limit of detection not achievable due to dilution.

*IS The internal standard quality control limit is exceeded.

DUP Duplicate sample.

NE Not Established.

VOC Volatile Organic Compound

Table 4-4. Summary of Soil Vapor Probe Analytical Results 2009 - 2013, Madison-Kipp Corporation, Madison, Wisconsin.

Sample Name	VP-2S			VP-3		VP-3 DUP	VP-4		VP-5	
Sample Date	**09/17/09**	**10/26/12**	**07/15/13**	**03/30/12**	**10/26/12**	**10/26/12**	**03/30/12**	**10/26/12**	**03/30/12**	**10/26/12**
VOC										
cis-1,2-Dichloroethene	--	<0.14	0.54	0.6	<0.16	<0.15	<0.15	<0.15	1.1	26
trans-1,2-Dichloroethene	--	<0.14	<0.31	<0.17	<0.16	<0.15	<0.15	<0.15	<0.15	0.38
1,2-Dichloroethene**	332	<0.14	0.54	0.6	<0.16	<0.15	<0.15	<0.15	1.1	26.38
Tetrachloroethene	1,100	12	86	18	3.2	3.8	0.68	0.2	2.1	27
Trichloroethene	240	<0.14	0.38	2	0.36	0.44	<0.15	<0.15	1.1	22
Vinyl Chloride	--	<0.14	<0.31	<0.17	<0.16	<0.15	<0.15	<0.15	<0.15	1.2

All units presented in parts per billion by volume (ppbv).

1 Screening Levels were calculated in accordance with Section VI A 1 of *Addressing Vapor Intrusion at Remediation and Redevelopment Sites in Wisconsin* (WDNR, 2010), accessed at: http://dnr.wi.gov/files/PDF/pubs/rr/RR800.pdf

2 For non-residential, the following attenuation factor was used: 0.001 for deep soil gas to indoor air [Section VI A 3 of WDNR (2010)].
For residential, the following attenuation factor was used: 0.01 for deep soil gas to indoor air [Section VI A 2 of WDNR (2010)].

** The compound 1,2-Dichloroethene was reported in 2009. The compounds cis- and trans-1,2-Dichloroethene were reported in 2011 and 2012 and have been manually combined for comparison purposes.

Residential and non-residential criteria are provided for comparison purposes. Soil Vapor Probes VP-3 through VP-6 are compared only to deep soil gas non-residential criteria due to the location of the probes (large commercial/industrial building, greater than 5 feet below the nearest building foundation).

100 Result exceeds the Wisconsin Residential Deep Soil Gas Calculated Screening Level with a 0.01 attenuation factor

100 Result exceeds the Wisconsin Non-Residential Deep Soil Gas Calculated Screening Level with a 0.001 attenuation factor

< Constituent not detected above noted laboratory detection limit.

-- Not designated.

*D Limit of detection not achievable due to dilution.

*IS The internal standard quality control limit is exceeded.

DUP Duplicate sample.

NE Not Established.

VOC Volatile Organic Compound

Table 4-4. Summary of Soil Vapor Probe Analytical Results 2009 - 2013, Madison-Kipp Corporation, Madison, Wisconsin.

Sample Name	VP-6			VP-102		VP-114			VP-126		
Sample Date	**03/30/12**	**10/26/12**	**04/29/13**	**11/25/11**	**10/24/12**	**11/25/11**	**10/24/12**	**07/15/13**	**11/25/11**	**10/24/12**	**07/15/13**
VOC											
cis-1,2-Dichloroethene	28	190	2,100	1,940 *IS	45	<400 *IS*D	<0.16	<0.15	<200 *D	<0.16	<0.16
trans-1,2-Dichloroethene	1.7	5.8	82	<400 *IS*D	<3.4	<400 *IS*D	<0.16	<0.15	<200 *D	<0.16	<0.16
1,2-Dichloroethene**	29.7	195.8	2,182	1940	45	<400	<0.16	<0.15	<200	<0.16	<0.16
Tetrachloroethene	63	190	2,900	4,620 *IS	1,200	2,540 *IS	10	24	452	1.4	4.4
Trichloroethene	20	72	1,100	1,770 *IS	240	<400 *IS*D	<0.16	<0.15	<200 *D	<0.16	<0.16
Vinyl Chloride	53	23	130	<400 *IS*D	<3.4	<400 *IS*D	<0.16	<0.15	<200 *D	<0.16	<0.16

All units presented in parts per billion by volume (ppbv).

1 Screening Levels were calculated in accordance with Section VI A 1 of *Addressing Vapor Intrusion at Remediation and Redevelopment Sites in Wisconsin* (WDNR, 2010), accessed at: http://dnr.wi.gov/files/PDF/pubs/rr/RR800.pdf

2 For non-residential, the following attenuation factor was used: 0.001 for deep soil gas to indoor air [Section VI A 3 of WDNR (2010)].
For residential, the following attenuation factor was used: 0.01 for deep soil gas to indoor air [Section VI A 2 of WDNR (2010)].

** The compound 1,2-Dichloroethene was reported in 2009. The compounds cis- and trans-1,2-Dichloroethene were reported in 2011 and 2012 and have been manually combined for comparison purposes.

Residential and non-residential criteria are provided for comparison purposes. Soil Vapor Probes VP-3 through VP-6 are compared only to deep soil gas non-residential criteria due to the location of the probes (large commercial/industrial building, greater than 5 feet below the nearest building foundation).

100 Result exceeds the Wisconsin Residential Deep Soil Gas Calculated Screening Level with a 0.01 attenuation factor

100 Result exceeds the Wisconsin Non-Residential Deep Soil Gas Calculated Screening Level with a 0.001 attenuation factor

< Constituent not detected above noted laboratory detection limit.

-- Not designated.

*D Limit of detection not achievable due to dilution.

*IS The internal standard quality control limit is exceeded.

DUP Duplicate sample.

NE Not Established.

VOC Volatile Organic Compound

Table 4-4. Summary of Soil Vapor Probe Analytical Results 2009 - 2013, Madison-Kipp Corporation, Madison, Wisconsin.

Sample Name	VP-202			VP-210			VP-222			VP-237		
Sample Date	**11/25/11**	**10/24/12**	**07/16/13**	**11/25/11**	**10/25/12**	**07/16/13**	**11/25/11**	**10/25/12**	**07/16/13**	**11/25/11**	**10/25/12**	**07/17/13**
VOC												
cis-1,2-Dichloroethene	<0.085 *IS	<0.16	<0.16	<0.085 *IS	<0.17	<0.15	<20 *D	<0.49	<0.92	<20	<0.16	<0.16
trans-1,2-Dichloroethene	<0.085 *IS	<0.16	<0.16	<0.085 *IS	<0.17	<0.15	<20 *D	<0.49	<0.92	<20	<0.16	<0.16
1,2-Dichloroethene**	<0.085	<0.16	<0.16	<0.085	<0.17	<0.15	<20	<0.49	<0.92	<20	<0.16	<0.16
Tetrachloroethene	5.7 *IS	9.1	8	3.22	3.9	3.6	77	120	280	53	63	30
Trichloroethene	<0.085 *IS	0.58	<0.16	<0.085 *IS	<0.17	0.26	<20 *D	<0.49	<0.92	<20	<0.16	<0.16
Vinyl Chloride	<0.085 *IS	<0.16	<0.16	<0.085 *IS	<0.17	<0.15	<20 *D	<0.49	<0.92	<20	<0.16	<0.16

All units presented in parts per billion by volume (ppbv).

1 Screening Levels were calculated in accordance with Section VI A 1 of *Addressing Vapor Intrusion at Remediation and Redevelopment Sites in Wisconsin* (WDNR, 2010), accessed at: http://dnr.wi.gov/files/PDF/pubs/rr/RR800.pdf

2 For non-residential, the following attenuation factor was used: 0.001 for deep soil gas to indoor air [Section VI A 3 of WDNR (2010)].
For residential, the following attenuation factor was used: 0.01 for deep soil gas to indoor air [Section VI A 2 of WDNR (2010)].

** The compound 1,2-Dichloroethene was reported in 2009. The compounds cis- and trans-1,2-Dichloroethene were reported in 2011 and 2012 and have been manually combined for comparison purposes.

Residential and non-residential criteria are provided for comparison purposes. Soil Vapor Probes VP-3 through VP-6 are compared only to deep soil gas non-residential criteria due to the location of the probes (large commercial/industrial building, greater than 5 feet below the nearest building foundation).

100 Result exceeds the Wisconsin Residential Deep Soil Gas Calculated Screening Level with a 0.01 attenuation factor

100 Result exceeds the Wisconsin Non-Residential Deep Soil Gas Calculated Screening Level with a 0.001 attenuation factor

< Constituent not detected above noted laboratory detection limit.

-- Not designated.

*D Limit of detection not achievable due to dilution.

*IS The internal standard quality control limit is exceeded.

DUP Duplicate sample.

NE Not Established.

VOC Volatile Organic Compound

Table 4-4. Summary of Soil Vapor Probe Analytical Results 2009 - 2013, Madison-Kipp Corporation, Madison, Wisconsin.

Sample Name	VP-249			VP-261	
Sample Date	**11/25/11**	**10/25/12**	**07/17/13**	**11/28/11**	**07/17/13**
VOC					
cis-1,2-Dichloroethene	<0.085	<0.16	<0.14	<0.085 *IS	<0.15
trans-1,2-Dichloroethene	<0.085	<0.16	<0.14	<0.085 *IS	<0.15
1,2-Dichloroethene**	<0.085	<0.16	<0.14	<0.085	<0.15
Tetrachloroethene	8.44	23	3.3	<0.085 *IS	1.2
Trichloroethene	<0.085	<0.16	<0.14	<0.085 *IS	<0.15
Vinyl Chloride	<0.085	<0.16	<0.14	<0.085 *IS	<0.15

All units presented in parts per billion by volume (ppbv).

1 Screening Levels were calculated in accordance with Section VI A 1 of *Addressing Vapor Intrusion at Remediation and Redevelopment Sites in Wisconsin* (WDNR, 2010), accessed at: http://dnr.wi.gov/files/PDF/pubs/rr/RR800.pdf

2 For non-residential, the following attenuation factor was used: 0.001 for deep soil gas to indoor air [Section VI A 3 of WDNR (2010)].
For residential, the following attenuation factor was used: 0.01 for deep soil gas to indoor air [Section VI A 2 of WDNR (2010)].

** The compound 1,2-Dichloroethene was reported in 2009. The compounds cis- and trans-1,2-Dichloroethene were reported in 2011 and 2012 and have been manually combined for comparison purposes.

Residential and non-residential criteria are provided for comparison purposes. Soil Vapor Probes VP-3 through VP-6 are compared only to deep soil gas non-residential criteria due to the location of the probes (large commercial/industrial building, greater than 5 feet below the nearest building foundation).

100 Result exceeds the Wisconsin Residential Deep Soil Gas Calculated Screening Level with a 0.01 attenuation factor

100 Result exceeds the Wisconsin Non-Residential Deep Soil Gas Calculated Screening Level with a 0.001 attenuation factor

< Constituent not detected above noted laboratory detection limit.

-- Not designated.

*D Limit of detection not achievable due to dilution.

*IS The internal standard quality control limit is exceeded.

DUP Duplicate sample.

NE Not Established.

VOC Volatile Organic Compound