Seven Mile Creek Landfill

Gas Extraction Report

Well ID	Alias	Date/Time	ADJ	CH4 (%)	CO2 (%)	O2 (%)	Balance (%)	Diff. Press. (in. H2O)	Temp.	Flow (scfm)	Well Pres. (in. H2O)	Header Pres. (in. H2O)	Valve Setting (% Open)	Comments
SEC1GW13	SEC1GW13	8/3/2016 15:59		44.6	35.3	0	20.1	0.13	87	13	-0.7	-25.2	---	,,,,,,,
SEC1GW13	SEC1GW13	8/3/2016 15:59	ADJ	44.6	35.3	0	20.1	0.12	81	12	-0.6	-25.2	---	
SEC1GW13	SEC1GW13	9/14/2016 13:30		44.4	36.9	0	18.7	0.2	84	16	-1	-32.42	---	,,,,,,,
SEC1GW13	SEC1GW13	9/14/2016 13:30	ADJ	44.4	36.9	0	18.7	0.2	79	16	-1	-32.42	---	
SEC1GW13	SEC1GW13	10/27/2016 8:00		49.1	39.5	0	11.4	0.01	56	4	-1.3	-29.06	---	,,,,,,,
SEC1GW13	SEC1GW13	10/27/2016 8:00	ADJ	49.1	39.5	0	11.4	0.01	57	4	-1.3	-29.06	---	
SEC1GW13	SEC1GW13	11/21/2016 16:20		53	41.1	0	5.9	-0.6	59	---	-0.4	-28.22	---	,,,,,,,
SEC1GW13	SEC1GW13	11/21/2016 16:20	ADJ	53	41.1	0	5.9	-0.63	59	---	-0.4	-28.22	---	
SEC1GW13	SEC1GW13	12/15/2016 10:00		48.5	38.6	0	12.9	0.17	0	16	-0.8	-13.79	---	,,,,,,,
SEC1GW13	SEC1GW13	12/15/2016 10:00	ADJ	48.5	38.6	0	12.9	0.37	0	24	-0.8	-13.79	---	
SEC1GW14	SEC1GW14	1/15/2016 15:23		43.2	38.2	0	18.6	0.44	24	25	-3.4	-25.56	---	Closed valve 1/2 turn or less,,,,,,,
SEC1GW14	SEC1GW14	1/15/2016 15:23	ADJ	43.2	38.2	0	18.6	0.44	24	26	-3.3	-25.56	---	
SEC1GW14	SEC1GW14	2/9/2016 13:49		49.4	39.2	0	11.4	0.04	53	7	-1	-23.7	---	No change,,,,,,,
SEC1GW14	SEC1GW14	2/9/2016 13:49	ADJ	49.4	39.2	0	11.4	0.04	54	7	-1.1	-23.7	---	
SEC1GW14	SEC1GW14	3/29/2016 6:03		44.8	37.2	0	18	0.4	58	24	-3.1	-25.76	---	Closed valve 1/2 turn or less,,,,,,,
SEC1GW14	SEC1GW14	3/29/2016 6:03	ADJ	44.8	37.2	0	18	0.07	58	9	-2.7	-25.76	---	
SEC1GW14	SEC1GW14	4/7/2016 9:08		48.1	37.6	0	14.3	0.06	57	9	-2.2	-29.14	---	Closed valve 1/2 turn or less,,,,,,,
SEC1GW14	SEC1GW14	4/7/2016 9:08	ADJ	48.1	37.6	0	14.3	0.02	57	4	-2.1	-29.14	---	
SEC1GW14	SEC1GW14	5/23/2016 14:23		58.1	41.8	0	0.1	0.25	79	18	-0.1	-26.68	---	Opened valve 1/2 turn or less,,,,,,,
SEC1GW14	SEC1GW14	5/23/2016 14:23	ADJ	58.1	41.8	0	0.1	0.3	74	20	-0.2	-26.68	---	
SEC1GW14	SEC1GW14	6/20/2016 12:22		38.5	33.9	0	27.6	25.03	77	194	-3.8	-27.02	---	Closed valve 1/2 turn or less,,,,,,,
SEC1GW14	SEC1GW14	6/20/2016 12:22	ADJ	38.5	33.9	0	27.6	17.69	77	163	-3.5	-27.02	---	
SEC1GW14	SEC1GW14	7/20/2016 16:32		46.1	36.3	0	17.6	0.08	83	10	-1.3	-24.67	---	,,,,,,,
SEC1GW14	SEC1GW14	7/20/2016 16:32	ADJ	46.1	36.3	0	17.6	0.1	83	11	-1.2	-24.67	---	
SEC1GW14	SEC1GW14	8/3/2016 15:54		47.9	37.2	0	14.9	0.22	83	17	-0.8	-25.06	---	,,,,,,,
SEC1GW14	SEC1GW14	8/3/2016 15:54	ADJ	47.9	37.2	0	14.9	0.16	83	14	-0.7	-25.06	---	
SEC1GW14	SEC1GW14	9/14/2016 13:34		46.5	37.5	0	16	0.24	75	18	-1.2	-32.74	---	,,,,,,,
SEC1GW14	SEC1GW14	9/14/2016 13:34	ADJ	46.5	37.5	0	16	0.24	75	18	-1.1	-32.74	---	
SEC1GW14	SEC1GW14	10/27/2016 8:03		52.2	40.4	0	7.4	0.24	58	18	-1.4	-29.05	---	,,,,,,,
SEC1GW14	SEC1GW14	10/27/2016 8:03	ADJ	52.2	40.4	0	7.4	0.24	59	18	-1.1	-29.05	---	
SEC1GW14	SEC1GW14	11/21/2016 16:24		55.6	42.2	0	2.2	-0.28	60	---	-0.2	-27.98	---	,,,,,,,
SEC1GW14	SEC1GW14	11/21/2016 16:24	ADJ	55.6	42.2	0	2.2	-0.24	60	---	-0.3	-27.98	---	
SEC1GW14	SEC1GW14	12/15/2016 9:54		57.1	40.9	0	2	16.01	62	156	-17.5	-0.07	---	,,,,,,,
SEC1GW14	SEC1GW14	12/15/2016 9:54	ADJ	57.1	40.9	0	2	15.93	6	165	-17.5	-0.07	---	
SEC1GW15	SEC1GW15	1/15/2016 15:20		33.6	30.9	0	35.5	-0.03	34	---	-2.6	-25.01	---	Closed valve 1/2 turn or less,,,,,,,
SEC1GW15	SEC1GW15	1/15/2016 15:20	ADJ	33.6	30.9	0	35.5	-0.04	35	---	-2.3	-25.01	---	
SEC1GW15	SEC1GW15	2/9/2016 13:46		54.4	31.5	0	14.1	0.3	32	22	-0.4	-23.72	---	Opened valve 1/2 turn or less,,,,,,,
SEC1GW15	SEC1GW15	2/9/2016 13:46	ADJ	54.4	31.5	0	14.1	0.57	29	30	-0.6	-23.72	---	
SEC1GW15	SEC1GW15	3/29/2016 5:59		28.9	28	0	43.1	0.01	40	3	-3.9	-25.32	---	Closed valve 1/2 turn or less,,,,,,,
SEC1GW15	SEC1GW15	3/29/2016 5:59	ADJ	28.9	28	0	43.1	0	38	1	-3.7	-25.32	---	
SEC1GW15	SEC1GW15	4/7/2016 9:05		51.6	29.2	2.1	17.1	0.01	44	4	-1	-28.89	---	No change,,,,,,,
SEC1GW15	SEC1GW15	4/7/2016 9:05	ADJ	51.6	29.2	2.1	17.1	0.01	44	4	-1	-28.89	---	
SEC1GW15	SEC1GW15	5/23/2016 14:19		66.4	33.5	0	0.1	0.06	81	9	-0.1	-28.95	---	Opened valve 1/2 turn or less,,,,,,,
SEC1GW15	SEC1GW15	5/23/2016 14:19	ADJ	66.4	33.5	0	0.1	0.08	72	11	-0.2	-28.95	---	
SEC1GW15	SEC1GW15	6/20/2016 12:20		32.2	28	0	39.8	17.66	64	164	-4.6	-25.77	---	Closed valve 1/2 turn or less,,,,,,,
SEC1GW15	SEC1GW15	6/20/2016 12:20	ADJ	32.2	28	0	39.8	17.62	63	164	-4.1	-25.77	---	
SEC1GW15	SEC1GW15	7/20/2016 16:27		49.5	30.7	0	19.8	0	63	---	-0.9	-24.46	---	,,,,,,,
SEC1GW15	SEC1GW15	7/20/2016 16:27	ADJ	49.5	30.7	0	19.8	0	63	---	-0.9	-24.46	---	
SEC1GW15	SEC1GW15	8/3/2016 15:25		47.4	31.5	0	21.1	0.11	63	12	-0.8	-25.17	---	,,,,,,,
SEC1GW15	SEC1GW15	8/3/2016 15:25	ADJ	47.4	31.5	0	21.1	0.1	63	12	-0.7	-25.17	---	
SEC1GW15	SEC1GW15	9/14/2016 13:38		45.1	33.9	0.2	20.8	0.17	62	15	-0.9	-33.14	---	,,,,,,,
SEC1GW15	SEC1GW15	9/14/2016 13:38	ADJ	45.1	33.9	0.2	20.8	0.18	62	15	-0.9	-33.14	---	
SEC1GW15	SEC1GW15	10/27/2016 8:06		47.5	36.4	0	16.1	0.02	44	5	-1.6	-29.05	---	,,,,,,,
SEC1GW15	SEC1GW15	10/27/2016 8:06	ADJ	47.5	36.4	0	16.1	-0.02	47	5	-1.6	-29.05	---	
SEC1GW15	SEC1GW15	11/21/2016 16:29		61.6	37	0	1.4	-0.01	43	---	-0.2	-27.87	---	,,,,,,,
SEC1GW15	SEC1GW15	11/21/2016 16:29	ADJ	61.6	37	0	1.4	-0.02	44	---	-0.2	-27.87	---	
SEC1GW15	SEC1GW15	12/15/2016 9:49		52.7	37.8	0	9.5	29.83	63	211	-30.5	-42.85	---	,,,,,,,
SEC1GW15	SEC1GW15	12/15/2016 9:49	ADJ	52.7	37.8	0	9.5	29.67	63	210	-30.5	-42.85	---	
SEC1GW16	SEC1GW16	1/15/2016 16:00		60.8	36	0	3.2	-0.07	27	---	-1.2	-26.17	---	Opened valve 1/2 turn or less,,,,,,,
SEC1GW16	SEC1GW16	1/15/2016 16:00	ADJ	60.8	36	0	3.2	-0.07	26	---	-2.5	-26.17	---	
SEC1GW16	SEC1GW16	2/9/2016 14:27		26.4	29.3	0	44.3	0	27	---	-1.6	-25.37	---	Closed valve 1/2 turn or less,,,,,,,
SEC1GW16	SEC1GW16	2/9/2016 14:27	ADJ	26.4	29.3	0	44.3	0	27	---	-1.4	-25.37	---	
SEC1GW16	SEC1GW16	3/29/2016 7:52		56.9	32.8	0	10.3	0.01	41	4	-0.8	-23.06	---	Opened valve 1/2 turn or less,,,,,,,
SEC1GW16	SEC1GW16	3/29/2016 7:52	ADJ	56.9	32.8	0	10.3	0.03	51	7	-1	-23.06	---	
SEC1GW16	SEC1GW16	4/7/2016 10:07		11.5	21.4	0	67.1	0.03	42	6	-7.3	-31.71	---	Closed valve 1/2 turn or less,,,,,,,
SEC1GW16	SEC1GW16	4/7/2016 10:07	ADJ	11.5	21.4	0	67.1	0.03	41	6	-6.5	-31.71	---	
SEC1GW16	SEC1GW16	5/23/2016 14:57		62.4	33.6	0	4	0.05	86	8	-0.3	-23.96	---	Opened valve 1/2 turn or less,,,,,,,
SEC1GW16	SEC1GW16	5/23/2016 14:57	ADJ	62.4	33.6	0	4	0.05	84	8	-0.6	-23.96	---	
SEC1GW16	SEC1GW16	6/20/2016 12:58		22.7	25.2	0	52.1	24.73	82	190	-2.9	-25.89	---	Closed valve 1/2 turn or less,,,,,,,
SEC1GW16	SEC1GW16	6/20/2016 12:58	ADJ	22.7	25.2	0	52.1	17.61	82	160	-2.9	-25.89	---	
SEC1GW16	SEC1GW16	7/21/2016 9:28		29.2	28.7	0	42.1	-0.2	60	---	-3	-26.02	---	,,,,,,,
SEC1GW16	SEC1GW16	7/21/2016 9:28	ADJ	29.2	28.7	0	42.1	-0.2	60	---	-2.9	-26.02	---	
SEC1GW16	SEC1GW16	8/3/2016 16:20		29	28.4	1	41.6	0.11	61	12	-3.5	-27.06	---	,,,,,,,
SEC1GW16	SEC1GW16	8/3/2016 16:20	ADJ	29	28.4	1	41.6	0.11	61	12	-2.6	-27.06	---	
SEC1GW16	SEC1GW16	9/14/2016 13:13		58.1	41.3	0	0.6	0.17	60	15	-0.2	-33.6	---	,,,,,,,
SEC1GW16	SEC1GW16	9/14/2016 13:13	ADJ	58.1	41.3	0	0.6	0.17	60	16	-0.7	-33.6	---	
SEC1GW16	SEC1GW16	10/27/2016 7:22		39	36.1	0	24.9	0	43	1	-5.2	-31.78	---	,,,,,,,
SEC1GW16	SEC1GW16	10/27/2016 7:22	ADJ	39	36.1	0	24.9	0	45	2	-4.5	-31.78	---	
SEC1GW16	SEC1GW16	11/21/2016 15:15		63.3	35.8	0	0.9	0.03	48	6	0	-28.42	---	,,,,,,,
SEC1GW16	SEC1GW16	11/21/2016 15:15	ADJ	63.3	35.8	0	0.9	0.03	51	6	-0.8	-28.42	---	
SEC1GW16	SEC1GW16	11/21/2016 15:16		63	35.6	0	1.4	0.02	51	6	-0.3	-28.41	---	,,,,,,,
SEC1GW16	SEC1GW16	11/21/2016 15:16	ADJ	63	35.6	0	1.4	0.03	51	6	-0.3	-28.41	---	
SEC1GW16	SEC1GW16	12/15/2016 10:50		47.2	37.2	0	15.6	-0.04	60	---	-0.8	-42.2	---	,,,,,,,
SEC1GW16	SEC1GW16	12/15/2016 10:50	ADJ	47.2	37.2	0	15.6	-0.04	60	---	-0.8	-42.2	---	
SEC1GW17	SEC1GW17	1/15/2016 16:23		48.6	39.8	0	11.6	0.76	50	33	-9.1	-26.75	---	Closed valve 1/2 turn or less,,,,,,,
SEC1GW17	SEC1GW17	1/15/2016 16:23	ADJ	48.6	39.8	0	11.6	0.68	50	31	-8.7	-26.75	---	
SEC1GW17	SEC1GW17	2/9/2016 14:51		52.5	38.9	0	8.6	0.41	48	24	-5.7	-20.22	---	No change,,,,,,,
SEC1GW17	SEC1GW17	2/9/2016 14:51	ADJ	52.5	38.9	0	8.6	0.6	48	30	-5.7	-20.22	---	
SEC1GW17	SEC1GW17	3/29/2016 8:39		47.9	37.8	0	14.3	0.71	51	32	-8.2	-25.64	---	Closed valve 1/2 turn or less,,,,,,,
SEC1GW17	SEC1GW17	3/29/2016 8:39	ADJ	47.9	37.8	0	14.3	0.4	51	24	-7.7	-25.64	---	
SEC1GW17	SEC1GW17	4/7/2016 10:21		46.7	37.1	0	16.2	0.56	49	28	-7.2	-32.54	---	Closed valve 1/2 turn or less,,,,,,,
SEC1GW17	SEC1GW17	4/7/2016 10:21	ADJ	46.7	37.1	0	16.2	0.34	49	22	-6.9	-32.54	---	
SEC1GW17	SEC1GW17	5/23/2016 15:14		55.8	38.8	0	5.4	0.23	59	18	-2.5	-23.86	---	Opened valve 1/2 turn or less,,,,,,,
SEC1GW17	SEC1GW17	5/23/2016 15:14	ADJ	55.8	38.8	0	5.4	0.21	58	17	-2.7	-23.86	---	
SEC1GW17	SEC1GW17	6/20/2016 13:12		51.6	36.2	0	12.2	23.83	63	195	-4.9	-25.7	---	No change,,,,,,,
SEC1GW17	SEC1GW17	6/20/2016 13:12	ADJ	51.6	36.2	0	12.2	20.53	62	181	-4.8	-25.7	---	
SEC1GW17	SEC1GW17	7/21/2016 8:24		53.9	38.1	0	8	-0.24	77	---	-3.6	-25.43	---	,,,,,,,
SEC1GW17	SEC1GW17	7/21/2016 8:24	ADJ	53.9	38.1	0	8	-0.27	77	---	-3.6	-25.43	---	
SEC1GW17	SEC1GW17	8/3/2016 15:50		53.3	37.8	0	8.9	0.42	58	25	-3.4	-25.6	---	,,,,,,,
SEC1GW17	SEC1GW17	8/3/2016 15:50	ADJ	53.3	37.8	0	8.9	0.42	58	25	-3.4	-25.6	---	
SEC1GW17	SEC1GW17	9/14/2016 13:20		55.8	39.7	0	4.5	0.43	57	25	-4.7	-33.36	---	,,,,,,,
SEC1GW17	SEC1GW17	9/14/2016 13:20	ADJ	55.8	39.7	0	4.5	0.53	57	28	-4.8	-33.36	---	
SEC1GW17	SEC1GW17	10/27/2016 7:58		54.9	39.9	0.1	5.1	0.64	52	31	-5.5	-29.35	---	,,,,,,,
SEC1GW17	SEC1GW17	10/27/2016 7:58	ADJ	54.9	39.9	0.1	5.1	0.51	52	27	-5.4	-29.35	---	
SEC1GW17	SEC1GW17	11/21/2016 15:08		58.7	40.7	0	0.6	0.44	53	26	-3.9	-28.49	---	,,,,,,,
SEC1GW17	SEC1GW17	11/21/2016 15:08	ADJ	58.7	40.7	0	0.6	0.59	53	30	-4	-28.49	---	
SEC1GW17	SEC1GW17	12/15/2016 11:14		56.3	40.8	0	2.9	0.71	60	32	-6.3	-41.01	---	,,,,,,,
SEC1GW17	SEC1GW17	12/15/2016 11:14	ADJ	56.3	40.8	0	2.9	1.04	60	39	-7	-41.01	---	
SEC1GW18	SEC1GW18	1/15/2016 16:09		41.8	36.8	0	21.4	-0.09	36	---	-3.5	-25.74	---	No change,Broken valve,,,,,,
SEC1GW18	SEC1GW18	1/15/2016 16:09	ADJ	41.8	36.8	0	21.4	-0.09	34	---	-3.5	-25.74	---	
SEC1GW18	SEC1GW18	2/9/2016 14:31		42.1	35.6	0	22.3	0	27	0	-1.7	-25.37	---	No change,Broken valve,,,,,,
SEC1GW18	SEC1GW18	2/9/2016 14:31	ADJ	42.1	35.6	0	22.3	0	27	0	-1.7	-25.37	---	
SEC1GW18	SEC1GW18	3/29/2016 7:54		22.6	26.9	0	50.5	0.18	50	15	-10.1	-23.65	---	Closed valve 1/2 turn or less,,,,,,,
SEC1GW18	SEC1GW18	3/29/2016 7:54	ADJ	22.6	26.9	0	50.5	0.05	50	8	-9.6	-23.65	---	
SEC1GW18	SEC1GW18	4/7/2016 10:10		25.8	27.2	0	47	0.06	47	9	-6.3	-32.04	---	Closed valve 1/2 turn or less,,,,,,,
SEC1GW18	SEC1GW18	4/7/2016 10:10	ADJ	25.8	27.2	0	47	0.07	47	9	-6.2	-32.04	---	
SEC1GW18	SEC1GW18	5/23/2016 15:00		40.2	32.2	0	27.6	0.07	62	9	-2.7	-24.18	---	Closed valve 1/2 turn or less,,,,,,,
SEC1GW18	SEC1GW18	5/23/2016 15:00	ADJ	40.2	32.2	0	27.6	0.04	60	7	-2.6	-24.18	---	

Seven Mile Creek Landfill

Gas Extraction Report

Well ID	Alias	Date/Time	ADJ	CH4 (%)	CO2 (%)	O2 (%)	Balance (%)	Diff. Press. (in. H2O)	Temp.	Flow (scfm)	Well Pres. (in. H2O)	Header Pres. (in. H2O)	Valve Setting (% Open)	Comments
SEC1GW18	SEC1GW18	6/20/2016 13:01		41.7	34.3	0	24	25.2	83	195	-2.2	-26.06	---	No change,,,,,,,
SEC1GW18	SEC1GW18	6/20/2016 13:01	ADJ	41.7	34.3	0	24	17.61	82	163	-2.2	-26.06	---	
SEC1GW18	SEC1GW18	7/21/2016 8:15		47	32.2	2.6	18.2	0.03	70	5	-0.8	-25.36	---	,,,,,,,
SEC1GW18	SEC1GW18	7/21/2016 8:15	ADJ	47	32.2	2.6	18.2	0.02	70	5	-0.8	-25.36	---	
SEC1GW18	SEC1GW18	8/3/2016 15:42		1.8	0.8	22.5	74.9	0.09	71	10	-0.4	-24.54	---	,,,,,,,
SEC1GW18	SEC1GW18	8/3/2016 15:42	ADJ	1.8	0.8	22.5	74.9	0.36	71	22	-1.6	-24.54	---	
SEC1GW18	SEC1GW18	8/3/2016 15:45		53.8	37.6	0	8.6	0.36	72	22	-2.9	-25.21	---	,,,,,,,
SEC1GW18	SEC1GW18	8/3/2016 15:45	ADJ	53.8	37.6	0	8.6	0.09	72	11	-1.3	-25.21	---	
SEC1GW18	SEC1GW18	9/14/2016 13:16		51.2	38.7	0.4	9.7	0.16	70	15	-1.3	-33.41	---	,,,,,,,
SEC1GW18	SEC1GW18	9/14/2016 13:16	ADJ	51.2	38.7	0.4	9.7	0.18	70	15	-1.3	-33.41	---	
SEC1GW18	SEC1GW18	10/27/2016 7:20		48.9	39.4	0.3	11.4	0	39	2	-1.5	-31.47	---	,,,,,,,
SEC1GW18	SEC1GW18	10/27/2016 7:20	ADJ	48.9	39.4	0.3	11.4	0	39	1	-1.5	-31.47	---	
SEC1GW18	SEC1GW18	11/21/2016 15:01		57.2	41.6	0	1.2	0.02	44	5	-0.5	-28.46	---	,,,,,,,
SEC1GW18	SEC1GW18	11/21/2016 15:01	ADJ	57.2	41.6	0	1.2	0.02	45	5	-0.5	-28.46	---	
SEC1GW18	SEC1GW18	12/15/2016 10:55		48.3	39.3	0	12.4	-2.93	70	---	-2	-42.12	---	,,,,,,,
SEC1GW18	SEC1GW18	12/15/2016 10:55	ADJ	48.3	39.3	0	12.4	-2.81	70	---	-2	-42.12	---	
SEC1GW19	SEC1GW19	1/15/2016 16:12		60.1	39.8	0	0.1	20.54	28	184	-22.9	-26.13	---	Opened valve 1/2 turn or less,,,,,,,
SEC1GW19	SEC1GW19	1/15/2016 16:12	ADJ	60.1	39.8	0	0.1	23.36	28	196	-25.8	-26.13	---	
SEC1GW19	SEC1GW19	2/9/2016 14:34		32.4	30.5	0	37.1	-0.34	36	---	-22.2	-26.04	---	Closed valve 1/2 turn or less,Broken valve,,,,,,
SEC1GW19	SEC1GW19	2/9/2016 14:34	ADJ	32.4	30.5	0	37.1	-0.32	38	---	-18.5	-26.04	---	
SEC1GW19	SEC1GW19	3/29/2016 7:57		61.3	38.6	0	0.1	0.04	51	7	-3.3	-24.02	---	Opened valve 1/2 turn or less,,,,,,,
SEC1GW19	SEC1GW19	3/29/2016 7:57	ADJ	61.3	38.6	0	0.1	0.04	47	7	-4.5	-24.02	---	
SEC1GW19	SEC1GW19	4/7/2016 10:13		59.2	38.1	0	2.7	0.04	45	7	-11.2	-32.38	---	Opened valve 1/2 turn or less,,,,,,,
SEC1GW19	SEC1GW19	4/7/2016 10:13	ADJ	59.2	38.1	0	2.7	0.04	42	8	-12.3	-32.38	---	
SEC1GW19	SEC1GW19	5/23/2016 15:04		40.4	32	0	27.6	0.05	69	7	-14.5	-24.9	---	Closed valve 1/2 turn or less,,,,,,,
SEC1GW19	SEC1GW19	5/23/2016 15:04	ADJ	40.4	32	0	27.6	0.05	69	7	-12.7	-24.9	---	
SEC1GW19	SEC1GW19	6/20/2016 13:04		60.2	39.7	0	0.1	24.12	85	196	-0.7	-26.23	---	Opened valve 1/2 turn or less,,,,,,,
SEC1GW19	SEC1GW19	6/20/2016 13:04	ADJ	60.2	39.7	0	0.1	17.62	83	167	-2.4	-26.23	---	
SEC1GW19	SEC1GW19	7/21/2016 8:18		46.5	36.5	0	17	0.03	72	6	-10.5	-25.6	---	,,,,,,,
SEC1GW19	SEC1GW19	7/21/2016 8:18	ADJ	46.5	36.5	0	17	0.03	72	6	-9.3	-25.6	---	
SEC1GW19	SEC1GW19	8/3/2016 15:37		59.9	39.4	0	0.7	0.11	74	12	-1.4	-25.83	---	,,,,,,,
SEC1GW19	SEC1GW19	8/3/2016 15:37	ADJ	59.9	39.4	0	0.7	0.1	74	12	-1.4	-25.83	---	
SEC1GW19	SEC1GW19	9/14/2016 13:47		57.8	42	0	0.2	0.17	74	15	-3	-32.62	---	,,,,,,,
SEC1GW19	SEC1GW19	9/14/2016 13:47	ADJ	57.8	42	0	0.2	0.17	74	15	-3.2	-32.62	---	
SEC1GW19	SEC1GW19	10/27/2016 7:17		58.2	41.7	0	0.1	0.38	41	24	-3.2	-31.87	---	,,,,,,,
SEC1GW19	SEC1GW19	10/27/2016 7:17	ADJ	58.2	41.7	0	0.1	0.37	42	23	-3.7	-31.87	---	
SEC1GW19	SEC1GW19	11/21/2016 14:57		43.7	40.2	0	16.1	0.46	50	25	-7.6	-28.67	---	,,,,,,,
SEC1GW19	SEC1GW19	11/21/2016 14:57	ADJ	43.7	40.2	0	16.1	0.46	50	25	-7.6	-28.67	---	
SEC1GW19	SEC1GW19	12/15/2016 11:00		50.5	37.8	0	11.7	---	73	---	-40.3	-42.28	---	,,,,,,,
SEC1GW19	SEC1GW19	12/15/2016 11:00	ADJ	50.5	37.8	0	11.7	---	73	---	-40.3	-42.28	---	
SEC1GW20	SEC1GW20	1/15/2016 16:19		47.5	39.3	0	13.2	0.1	47	11	-3.9	-26.22	---	Closed valve 1/2 turn or less,,,,,,,
SEC1GW20	SEC1GW20	1/15/2016 16:19	ADJ	47.5	39.3	0	13.2	0.03	47	6	-3.8	-26.22	---	
SEC1GW20	SEC1GW20	2/9/2016 14:48		53.7	38.2	0	8.1	0.08	44	10	-2.2	-20.15	---	No change,,,,,,,
SEC1GW20	SEC1GW20	2/9/2016 14:48	ADJ	53.7	38.2	0	8.1	0.08	44	10	-2.1	-20.15	---	
SEC1GW20	SEC1GW20	3/29/2016 8:37		47.5	35.8	0	16.7	0.11	52	12	-3.7	-25.14	---	Closed valve 1/2 turn or less,,,,,,,
SEC1GW20	SEC1GW20	3/29/2016 8:37	ADJ	47.5	35.8	0	16.7	0.04	52	7	-3.6	-25.14	---	
SEC1GW20	SEC1GW20	4/7/2016 10:18		49.3	36.2	0	14.5	0.08	48	11	-2	-32.29	---	No change,,,,,,,
SEC1GW20	SEC1GW20	4/7/2016 10:18	ADJ	49.3	36.2	0	14.5	0.07	47	10	-2	-32.29	---	
SEC1GW20	SEC1GW20	5/23/2016 15:10		59.9	37.9	0	2.2	0.09	68	11	-0.1	-24.43	---	Opened valve 1/2 turn or less,,,,,,,
SEC1GW20	SEC1GW20	5/23/2016 15:10	ADJ	59.9	37.9	0	2.2	0.12	66	13	-0.2	-24.43	---	
SEC1GW20	SEC1GW20	6/20/2016 13:09		51.7	36	0	12.3	22.5	71	189	-2.8	-25.98	---	No change,,,,,,,
SEC1GW20	SEC1GW20	6/20/2016 13:09	ADJ	51.7	36	0	12.3	17.55	68	167	-2.9	-25.98	---	
SEC1GW20	SEC1GW20	7/20/2016 16:36		57.6	36.6	0	5.8	0.11	60	12	-1.6	-25.51	---	,,,,,,,
SEC1GW20	SEC1GW20	7/20/2016 16:36	ADJ	57.6	36.6	0	5.8	0.1	60	12	-1.7	-25.51	---	
SEC1GW20	SEC1GW20	8/3/2016 15:30		56.2	36.7	0	7.1	-0.24	58	---	-1.6	-25.87	---	,,,,,,,
SEC1GW20	SEC1GW20	8/3/2016 15:30	ADJ	56.2	36.7	0	7.1	-0.16	58	---	-1.7	-25.87	---	
SEC1GW20	SEC1GW20	9/14/2016 13:42		52.1	37.6	0.1	10.2	0.18	59	16	-3	-33.3	---	,,,,,,,
SEC1GW20	SEC1GW20	9/14/2016 13:42	ADJ	52.1	37.6	0.1	10.2	0	59	16	-3.1	-33.3	---	
SEC1GW20	SEC1GW20	10/27/2016 8:08		50	37.9	0	12.1	0.31	52	21	-4.4	-29.49	---	,,,,,,,
SEC1GW20	SEC1GW20	10/27/2016 8:08	ADJ	50	37.9	0	12.1	0.31	52	21	-4.4	-29.49	---	
SEC1GW20	SEC1GW20	11/21/2016 16:33		58.1	39.2	0.2	2.5	0.29	53	37	-3.1	-27.77	0	,,,,,,,
SEC1GW20	SEC1GW20	11/21/2016 16:33	ADJ	58.1	39.2	0.2	2.5	0.35	53	40	-3.2	-27.77	---	
SEC1GW20	SEC1GW20	12/15/2016 11:09		51.7	38.9	0	9.4	0.44	58	25	-4.8	-41.38	---	,,,,,,,
SEC1GW20	SEC1GW20	12/15/2016 11:09	ADJ	51.7	38.9	0	9.4	0.44	58	25	-4.8	-41.38	---	
SEC1GW21	SEC1GW21	1/15/2016 16:15		60	39.9	0	0.1	-0.07	34	---	-3.9	-26.04	---	Opened valve 1/2 turn or less,,,,,,,
SEC1GW21	SEC1GW21	1/15/2016 16:15	ADJ	60	39.9	0	0.1	-0.06	36	---	-4.6	-26.04	---	
SEC1GW21	SEC1GW21	2/9/2016 14:40		60.4	39	0	0.6	1.32	28	47	-1.6	-25.94	---	Opened valve 1/2 turn or less,,,,,,,
SEC1GW21	SEC1GW21	2/9/2016 14:40	ADJ	60.4	39	0	0.6	2.42	32	63	-2.4	-25.94	---	
SEC1GW21	SEC1GW21	3/29/2016 8:00		65.8	34.1	0	0.1	-0.62	45	---	-3.2	-23.44	---	Opened valve 1/2 turn or less,,,,,,,
SEC1GW21	SEC1GW21	3/29/2016 8:00	ADJ	65.8	34.1	0	0.1	-0.79	44	---	-3.9	-23.44	---	
SEC1GW21	SEC1GW21	4/7/2016 10:15		50.5	35.5	0	14	0.05	46	8	-5.4	-32.18	---	No change,,,,,,,
SEC1GW21	SEC1GW21	4/7/2016 10:15	ADJ	50.5	35.5	0	14	0.07	45	10	-5.4	-32.18	---	
SEC1GW21	SEC1GW21	5/23/2016 15:07		56.2	37.1	0	6.7	0.07	63	10	-3.8	-24.83	---	Opened valve 1/2 turn or less,,,,,,,
SEC1GW21	SEC1GW21	5/23/2016 15:07	ADJ	56.2	37.1	0	6.7	0.08	62	11	-4.6	-24.83	---	
SEC1GW21	SEC1GW21	6/20/2016 13:07		51.8	35.6	0	12.6	22.46	71	188	-7.1	-26.16	---	No change,,,,,,,
SEC1GW21	SEC1GW21	6/20/2016 13:07	ADJ	51.8	35.6	0	12.6	17.65	69	167	-7.1	-26.16	---	
SEC1GW21	SEC1GW21	7/20/2016 16:41		60.4	37.8	0	1.8	0.04	63	7	-5.9	-25.45	---	,,,,,,,
SEC1GW21	SEC1GW21	7/20/2016 16:41	ADJ	60.4	37.8	0	1.8	0.03	63	6	-6	-25.45	---	
SEC1GW21	SEC1GW21	8/3/2016 15:33		56.8	37.2	0	6	0.14	62	14	-6.2	-25.74	---	,,,,,,,
SEC1GW21	SEC1GW21	8/3/2016 15:33	ADJ	56.8	37.2	0	6	0.15	62	14	-6.2	-25.74	---	
SEC1GW21	SEC1GW21	9/14/2016 13:50		53.4	37.6	0	9	0.2	72	16	-8.4	-32.47	---	,,,,,,,
SEC1GW21	SEC1GW21	9/14/2016 13:50	ADJ	53.4	37.6	0	9	0.2	72	17	-8.7	-32.47	---	
SEC1GW21	SEC1GW21	10/27/2016 7:14		53.5	37	0.2	9.3	0.05	51	8	-10.4	-31.83	---	,,,,,,,
SEC1GW21	SEC1GW21	10/27/2016 7:14	ADJ	53.5	37	0.2	9.3	0.02	52	5	-10.4	-31.83	---	
SEC1GW21	SEC1GW21	11/21/2016 14:54		57.2	38.5	0.3	4	-0.24	52	---	-8.1	-28.46	---	,,,,,,,
SEC1GW21	SEC1GW21	11/21/2016 14:54	ADJ	57.2	38.5	0.3	4	-0.21	52	---	-8.1	-28.46	---	
SEC1GW21	SEC1GW21	12/15/2016 11:05		58.8	38.9	0	2.3	-7.18	72	---	-2	-0.05	---	,,,,,,,
SEC1GW21	SEC1GW21	12/15/2016 11:05	ADJ	58.8	38.9	0	2.3	-7.46	72	---	-2	-0.05	---	
SEC1GW22	SEC1GW22	1/15/2016 14:57		47.7	34.8	0	17.5	-0.66	38	---	-1.7	-23.96	---	Closed valve 1/2 turn or less,,,,,,,
SEC1GW22	SEC1GW22	1/15/2016 14:57	ADJ	47.7	34.8	0	17.5	-0.9	38	---	-1.5	-23.96	---	
SEC1GW22	SEC1GW22	2/9/2016 13:44		49.2	34	0	16.8	0.01	40	4	-1.3	-23.82	---	Closed valve 1/2 turn or less,,,,,,,
SEC1GW22	SEC1GW22	2/9/2016 13:44	ADJ	49.2	34	0	16.8	0.01	40	2	-1.3	-23.82	---	
SEC1GW22	SEC1GW22	3/29/2016 5:57		17	24.8	0	58.2	0.06	49	8	-3.9	-24.6	---	Closed valve 1/2 turn or less,,,,,,,
SEC1GW22	SEC1GW22	3/29/2016 5:57	ADJ	17	24.8	0	58.2	-0.18	44	8	-3.8	-24.6	---	
SEC1GW22	SEC1GW22	4/7/2016 9:02		45.7	32.1	0	22.2	0.09	40	11	-1.3	-28.8	---	Closed valve 1/2 turn or less,,,,,,,
SEC1GW22	SEC1GW22	4/7/2016 9:02	ADJ	45.7	32.1	0	22.2	0.03	40	6	-1.2	-28.8	---	
SEC1GW22	SEC1GW22	5/23/2016 14:16		55.4	34.7	0	9.9	0.06	68	9	-0.4	-30.33	---	Opened valve 1/2 turn or less,,,,,,,
SEC1GW22	SEC1GW22	5/23/2016 14:16	ADJ	55.4	34.7	0	9.9	0.09	67	11	-0.5	-30.33	---	
SEC1GW22	SEC1GW22	6/20/2016 12:16		40.2	30.6	0	29.2	25.56	66	200	-2.4	-25.2	---	Closed valve 1/2 turn or less,,,,,,,
SEC1GW22	SEC1GW22	6/20/2016 12:16	ADJ	40.2	30.6	0	29.2	17.63	67	166	-2.1	-25.2	---	
SEC1GW22	SEC1GW22	7/20/2016 16:19		63.3	36.6	0	0.1	0	61	---	0.3	-23.65	---	,,,,,,,
SEC1GW22	SEC1GW22	7/20/2016 16:19	ADJ	63.3	36.6	0	0.1	0.03	61	6	-0.1	-23.65	---	
SEC1GW22	SEC1GW22	7/20/2016 16:22		62.8	37.1	0	0.1	0.06	61	9	-0.3	-24.16	---	,,,,,,,
SEC1GW22	SEC1GW22	7/20/2016 16:22	ADJ	62.8	37.1	0	0.1	0	61	9	-0.1	-24.16	---	
SEC1GW22	SEC1GW22	8/3/2016 15:19		60.8	34.5	0	4.7	0.11	62	12	0	-24.67	---	,,,,,,,
SEC1GW22	SEC1GW22	8/3/2016 15:19	ADJ	60.8	34.5	0	4.7	0.13	62	13	-0.1	-24.67	---	
SEC1GW22	SEC1GW22	8/3/2016 15:21		61.2	35.3	0	3.5	0.13	62	13	-0.3	-24.81	---	,,,,,,,
SEC1GW22	SEC1GW22	8/3/2016 15:21	ADJ	61.2	35.3	0	3.5	0.1	62	12	-0.2	-24.81	---	
SEC1GW22	SEC1GW22	9/14/2016 14:02		53.1	34.3	0	12.6	0.17	61	16	-0.7	-32.32	---	,,,,,,,
SEC1GW22	SEC1GW22	9/14/2016 14:02	ADJ	53.1	34.3	0	12.6	0.19	61	16	-0.7	-32.32	---	
SEC1GW22	SEC1GW22	10/27/2016 11:02		46.3	34.2	0.7	18.8	0	53	2	-1.8	-29.13	---	,,,,,,,
SEC1GW22	SEC1GW22	10/27/2016 11:02	ADJ	46.3	34.2	0.7	18.8	0.01	53	3	-1.8	-29.13	---	
SEC1GW22	SEC1GW22	11/21/2016 14:37		57.9	36.2	0	5.9	-0.3	52	---	-0.7	-28.59	---	,,,,,,,
SEC1GW22	SEC1GW22	11/21/2016 14:37	ADJ	57.9	36.2	0	5.9	-0.29	52	---	-0.7	-28.59	---	
SEC1GW22	SEC1GW22	12/15/2016 9:45		52.9	36.2	0	10.9	10.13	62	125	-15.4	-36.25	---	,,,,,,,
SEC1GW22	SEC1GW22	12/15/2016 9:45	ADJ	52.9	36.2	0	10.9	9.29	62	119	-15.4	-36.25	---	
SEC1GW23	SEC1GW23	1/15/2016 14:48		43.3	33.8	0	22.9	-0.72	33	---	-0.9	-24.22	---	No change,Valve barely open,,,,,,
SEC1GW23	SEC1GW23	1/15/2016 14:48	ADJ	43.3	33.8	0	22.9	-0.68	33	---	-0.9	-24.22	---	

Seven Mile Creek Landfill

Gas Extraction Report

Well ID	Alias	Date/Time	ADJ	CH4 (%)	CO2 (%)	O2 (%)	Balance (%)	Diff. Press. (in. H2O)	Temp.	Flow (scfm)	Well Pres. (in. H2O)	Header Pres. (in. H2O)	Valve Setting (% Open)	Comments
SEC1GW23	SEC1GW23	2/9/2016 14:45		57.6	38.3	0	4.1	3.11	24	72	-3.2	-17.22	---	Opened valve 1/2 turn or less,,,,,,
SEC1GW23	SEC1GW23	2/9/2016 14:45	ADJ	57.6	38.3	0	4.1	3.7	54	76	-3.6	-17.22	---	
SEC1GW23	SEC1GW23	3/29/2016 5:54		21.1	25.7	0	53.2	0.9	68	35	-8.7	-23.34	---	Closed valve 1/2 turn or less,,,,,,
SEC1GW23	SEC1GW23	3/29/2016 5:54	ADJ	21.1	25.7	0	53.2	0.05	67	7	-6.9	-23.34	---	
SEC1GW23	SEC1GW23	4/7/2016 8:59		32.6	28.3	0	39.1	0.1	59	11	-2.1	-29.62	---	Closed valve 1/2 turn or less,,,,,,
SEC1GW23	SEC1GW23	4/7/2016 8:59	ADJ	32.6	28.3	0	39.1	0.03	59	6	-2	-29.62	---	
SEC1GW23	SEC1GW23	5/23/2016 14:13		45.5	32.9	0	21.6	0.08	75	10	-0.4	-30.38	---	Closed valve 1/2 turn or less,,,,,,
SEC1GW23	SEC1GW23	5/23/2016 14:13	ADJ	45.5	32.9	0	21.6	0.06	73	8	-0.3	-30.38	---	
SEC1GW23	SEC1GW23	6/20/2016 12:12		22.8	26.1	0.1	51	25.56	80	194	-1.7	-25.08	---	Closed valve 1/2 turn or less,,,,,,
SEC1GW23	SEC1GW23	6/20/2016 12:12	ADJ	22.8	26.1	0.1	51	17.64	79	161	-1.6	-25.08	---	
SEC1GW23	SEC1GW23	7/20/2016 16:12		57.4	34.9	0	7.7	0.01	87	4	0.2	-24.51	---	,,,,,,
SEC1GW23	SEC1GW23	7/20/2016 16:12	ADJ	57.4	34.9	0	7.7	0.09	87	11	-0.2	-24.51	---	
SEC1GW23	SEC1GW23	7/20/2016 16:14		62	37.9	0	0.1	0.07	78	9	-0.4	-25.18	---	,,,,,,
SEC1GW23	SEC1GW23	7/20/2016 16:14	ADJ	62	37.9	0	0.1	0.02	87	4	-0.1	-25.18	---	
SEC1GW23	SEC1GW23	8/3/2016 15:14		48.9	34.4	0	16.7	0.12	88	12	0	-25.55	---	,,,,,,
SEC1GW23	SEC1GW23	8/3/2016 15:14	ADJ	48.9	34.4	0	16.7	0.12	88	13	-0.1	-25.55	---	
SEC1GW23	SEC1GW23	8/3/2016 15:15		48.6	34.4	0	17	0.13	88	13	-0.2	-25.78	---	,,,,,,
SEC1GW23	SEC1GW23	8/3/2016 15:15	ADJ	48.6	34.4	0	17	0.12	88	12	-0.1	-25.78	---	
SEC1GW23	SEC1GW23	9/14/2016 13:59		31.9	31.6	0.2	36.3	0.17	70	15	-0.6	-32.63	---	,,,,,,
SEC1GW23	SEC1GW23	9/14/2016 13:59	ADJ	31.9	31.6	0.2	36.3	0.17	70	15	-0.6	-32.63	---	
SEC1GW23	SEC1GW23	10/27/2016 8:12		33	32.5	0	34.5	0.02	38	5	-1.4	-29.49	---	,,,,,,
SEC1GW23	SEC1GW23	10/27/2016 8:12	ADJ	33	32.5	0	34.5	-0.02	41	5	-1.3	-29.49	---	
SEC1GW23	SEC1GW23	11/21/2016 14:44		48.9	35.5	1.5	14.1	0.04	42	7	-0.1	-28.57	---	,,,,,,
SEC1GW23	SEC1GW23	11/21/2016 14:44	ADJ	48.9	35.5	1.5	14.1	0.04	42	8	-0.1	-28.57	---	
SEC1GW23	SEC1GW23	12/15/2016 9:39		43.8	35.3	0	20.9	0	10	---	-0.7	-42.37	---	,,,,,,
SEC1GW23	SEC1GW23	12/15/2016 9:39	ADJ	43.8	35.3	0	20.9	0	10	---	-0.7	-42.37	---	
SEC1GW24	SEC1GW24	1/15/2016 14:45		53.6	38.2	0	8.2	-0.86	36	---	-1.1	-26.06	---	Opened valve 1/2 turn or less,,,,,,
SEC1GW24	SEC1GW24	1/15/2016 14:45	ADJ	53.6	38.2	0	8.2	-0.9	37	---	-1.2	-26.06	---	
SEC1GW24	SEC1GW24	2/9/2016 13:17		46.8	36.7	0	16.5	0.02	48	4	-1.5	-24.66	---	Closed valve 1/2 turn or less,,,,,,
SEC1GW24	SEC1GW24	2/9/2016 13:17	ADJ	46.8	36.7	0	16.5	0	48	0	-1.5	-24.66	---	
SEC1GW24	SEC1GW24	3/29/2016 5:51		26.2	28.7	0	45.1	0.02	47	5	-4.4	-20.16	---	Closed valve 1/2 turn or less,,,,,,
SEC1GW24	SEC1GW24	3/29/2016 5:51	ADJ	26.2	28.7	0	45.1	-0.04	46	5	-4.2	-20.16	---	
SEC1GW24	SEC1GW24	4/7/2016 8:56		39.7	29.7	0	30.6	0.01	42	4	-1.5	-28.92	---	Closed valve 1/2 turn or less,,,,,,
SEC1GW24	SEC1GW24	4/7/2016 8:56	ADJ	39.7	29.7	0	30.6	0.01	41	4	-1.3	-28.92	---	
SEC1GW24	SEC1GW24	5/26/2016 13:03		41.9	33.6	0	24.5	0.07	69	9	-2.8	-24.53	---	Closed valve 1/2 turn or less,,,,,,
SEC1GW24	SEC1GW24	5/26/2016 13:03	ADJ	41.9	33.6	0	24.5	0.03	68	6	-2.7	-24.53	---	
SEC1GW24	SEC1GW24	6/20/2016 12:09		40.2	32.5	0	27.3	20.31	83	175	-2	-24.7	---	Closed valve 1/2 turn or less,,,,,,
SEC1GW24	SEC1GW24	6/20/2016 12:09	ADJ	40.2	32.5	0	27.3	17.64	83	163	-2	-24.7	---	
SEC1GW24	SEC1GW24	7/20/2016 16:04		60.5	36.6	0	2.9	0.04	68	7	0.1	-25.19	---	,,,,,,
SEC1GW24	SEC1GW24	7/20/2016 16:04	ADJ	60.5	36.6	0	2.9	0.08	68	10	-0.2	-25.19	---	
SEC1GW24	SEC1GW24	7/20/2016 16:07		61.5	37.9	0	0.6	0.04	68	7	-0.4	-25.59	---	,,,,,,
SEC1GW24	SEC1GW24	7/20/2016 16:07	ADJ	61.5	37.9	0	0.6	0	68	1	-0.1	-25.59	---	
SEC1GW24	SEC1GW24	8/3/2016 15:10		54.1	37.1	0	8.8	0.12	55	13	-0.2	-25.88	---	,,,,,,
SEC1GW24	SEC1GW24	8/3/2016 15:10	ADJ	54.1	37.1	0	8.8	0.12	55	13	-0.2	-25.88	---	
SEC1GW24	SEC1GW24	9/14/2016 13:55		50.5	37.5	0.1	11.9	0.19	55	16	-1	-32.53	---	,,,,,,
SEC1GW24	SEC1GW24	9/14/2016 13:55	ADJ	50.5	37.5	0.1	11.9	0.19	55	16	-1	-32.53	---	
SEC1GW24	SEC1GW24	10/27/2016 7:11		45.7	36.3	0	18	0	45	1	-1.8	-32.05	---	,,,,,,
SEC1GW24	SEC1GW24	10/27/2016 7:11	ADJ	45.7	36.3	0	18	0	47	1	-1.8	-32.05	---	
SEC1GW24	SEC1GW24	11/21/2016 14:49		51.7	38.8	0.4	9.1	0.04	52	7	-0.7	-28.65	---	,,,,,,
SEC1GW24	SEC1GW24	11/21/2016 14:49	ADJ	51.7	38.8	0.4	9.1	0.04	53	7	-0.7	-28.65	---	
SEC1GW24	SEC1GW24	12/15/2016 9:32		50.5	37.5	0	12	20.91	53	177	-30.3	-42.49	---	,,,,,,
SEC1GW24	SEC1GW24	12/15/2016 9:32	ADJ	50.5	37.5	0	12	20.82	52	177	-30.3	-42.49	---	

Notes:

- Indicates an exceedance of the operating conditions for oxygen (≥5%), pressure (≥ 0.0 in. H20), or temperature (≥131 deg.F) except where alternate operation conditions have been established.

The following alternate standards have been approved for the following wells:
Temperature (140 degrees F): S2P8OC11(10/11/2015)
Temperature (143 degrees F): SC2GW36A(10/11/2015)
Temperature (148 degrees F): S2P01OC2(10/10/2014); SC2GW23A(10/10/2014)
The WDNR 3/15/05 blanket approval allowing O2 limits for STOC's (i.e. leachate cleanouts, recirculation lines, and manholes) to exceed 5% was rescinded on 9/25/15.
Oxygen limits at STOCs must now meet NSPS standards of less than 5%, unless a specific individual alternative operating value is approved.

Attachment B-2

Gas Probe Monitoring Data

Seven Mile Creek Landfill

Gas Probe Monitoring Report

Well ID	Alias	Date/Time	ADJ	CH4 (%)	CO2 (%)	O2 (%)	Balance (%)
Sector 1 Gas Probes							
S1GP1701	S1GP1701	1/4/2016 12:45		0	2.6	18.9	78.5
S1GP1701	S1GP1701	1/4/2016 12:45	ADJ	0	2.6	18.9	78.5
S1GP1701	S1GP1701	4/4/2016 13:01		0	1.1	19.5	79.4
S1GP1701	S1GP1701	4/4/2016 13:01	ADJ	0	1.1	19.5	79.4
S1GP1701	S1GP1701	7/22/2016 10:50		0	2	21.9	76.1
S1GP1701	S1GP1701	7/22/2016 10:50	ADJ	0	2	21.9	76.1
S1GP1701	S1GP1701	7/22/2016 10:50		0	2	21.9	76.1
S1GP1701	S1GP1701	7/22/2016 10:50	ADJ	0	2	21.9	76.1
S1GP1701	S1GP1701	10/19/2016 9:55		0	4.2	19.9	75.9
S1GP1701	S1GP1701	10/19/2016 9:55	ADJ	0	4.2	19.9	75.9
S1GP2705	S1GP2705	1/4/2016 14:20		0	0.4	19.2	80.4
S1GP2705	S1GP2705	1/4/2016 14:20	ADJ	0	0.4	19.2	80.4
S1GP2705	S1GP2705	4/4/2016 13:07		0	0.3	20.3	79.4
S1GP2705	S1GP2705	4/4/2016 13:07	ADJ	0	0.3	20.3	79.4
S1GP2705	S1GP2705	7/22/2016 10:54		0	0.6	18.9	80.5
S1GP2705	S1GP2705	7/22/2016 10:54	ADJ	0	0.6	18.9	80.5
S1GP2705	S1GP2705	7/22/2016 10:54		0	0.6	18.9	80.5
S1GP2705	S1GP2705	7/22/2016 10:54	ADJ	0	0.6	18.9	80.5
S1GP2705	S1GP2705	10/19/2016 10:00		0	0.5	22.1	77.4
S1GP2705	S1GP2705	10/19/2016 10:00	ADJ	0	0.5	22.1	77.4
S1GP3711	S1GP3711	1/4/2016 12:53		0	1.6	18.6	79.8
S1GP3711	S1GP3711	1/4/2016 12:53	ADJ	0	1.6	18.6	79.8
S1GP3711	S1GP3711	4/4/2016 13:11		0	0.6	19.7	79.7
S1GP3711	S1GP3711	4/4/2016 13:11	ADJ	0	0.6	19.7	79.7
S1GP3711	S1GP3711	7/22/2016 10:57		0	1.6	22.4	76
S1GP3711	S1GP3711	7/22/2016 10:57	ADJ	0	1.6	22.4	76
S1GP3711	S1GP3711	7/22/2016 10:57		0	1.6	22.4	76
S1GP3711	S1GP3711	7/22/2016 10:57	ADJ	0	1.6	22.4	76
S1GP3711	S1GP3711	10/19/2016 10:04		0	1.6	20.9	77.5
S1GP3711	S1GP3711	10/19/2016 10:04	ADJ	0	1.6	20.9	77.5
S1GP4715	S1GP4715	1/4/2016 12:40		0	0.4	19.7	79.9
S1GP4715	S1GP4715	1/4/2016 12:40	ADJ	0	0.4	19.7	79.9
S1GP4715	S1GP4715	4/4/2016 13:19		0	0.1	20.3	79.6
S1GP4715	S1GP4715	4/4/2016 13:19	ADJ	0	0.1	20.3	79.6
S1GP4715	S1GP4715	7/22/2016 11:00		0	1.2	22.8	76
S1GP4715	S1GP4715	7/22/2016 11:00	ADJ	0	1.2	22.8	76
S1GP4715	S1GP4715	7/22/2016 11:00		0	1.2	22.8	76
S1GP4715	S1GP4715	7/22/2016 11:00	ADJ	0	1.2	22.8	76
S1GP4715	S1GP4715	10/18/2016 7:44		0	0	21.1	78.9
S1GP4715	S1GP4715	10/18/2016 7:44	ADJ	0	0	21.1	78.9
S1GP4715	S1GP4715	10/19/2016 10:08		0	0.3	22.3	77.4
S1GP4715	S1GP4715	10/19/2016 10:08	ADJ	0	0.3	22.3	77.4
Sector 2 Gas Probes							
2GP12522	2GP12522	1/4/2016 13:43		0	0.2	20.3	79.5
2GP12522	2GP12522	1/4/2016 13:43	ADJ	0	0.2	20.3	79.5
2GP12522	2GP12522	4/4/2016 14:03		0	0.1	19.8	80.1

Seven Mile Creek Landfill

Gas Probe Monitoring Report

Well ID	Alias	Date/Time	ADJ	CH4 (%)	CO2 (%)	O2 (%)	Balance (%)
2GP12522	2GP12522	4/4/2016 14:03	ADJ	0	0.1	19.8	80.1
2GP12522	2GP12522	7/22/2016 10:21		0	1.1	22.8	76.1
2GP12522	2GP12522	7/22/2016 10:21	ADJ	0	1.1	22.8	76.1
2GP12522	2GP12522	7/22/2016 10:21		0	1.1	22.8	76.1
2GP12522	2GP12522	7/22/2016 10:21	ADJ	0	1.1	22.8	76.1
2GP12522	2GP12522	10/19/2016 9:19		0	0.2	22.5	77.3
2GP12522	2GP12522	10/19/2016 9:19	ADJ	0	0.2	22.5	77.3
2GP13524	2GP13524	1/4/2016 13:48		0	0.2	20	79.8
2GP13524	2GP13524	1/4/2016 13:48	ADJ	0	0.2	20	79.8
2GP13524	2GP13524	4/4/2016 14:06		0	0	19.9	80.1
2GP13524	2GP13524	4/4/2016 14:06	ADJ	0	0	19.9	80.1
2GP13524	2GP13524	7/22/2016 10:25		0	0.5	18.9	80.6
2GP13524	2GP13524	7/22/2016 10:25	ADJ	0	0.5	18.9	80.6
2GP13524	2GP13524	7/22/2016 10:25		0	0.5	18.9	80.6
2GP13524	2GP13524	7/22/2016 10:25	ADJ	0	0.5	18.9	80.6
2GP13524	2GP13524	10/19/2016 9:23		0	0.1	22.6	77.3
2GP13524	2GP13524	10/19/2016 9:23	ADJ	0	0.1	22.6	77.3
2GP14526	2GP14526	1/4/2016 13:53		0	1	19	80
2GP14526	2GP14526	1/4/2016 13:53	ADJ	0	1	19	80
2GP14526	2GP14526	4/4/2016 14:10		0	0	19.9	80.1
2GP14526	2GP14526	4/4/2016 14:10	ADJ	0	0	19.9	80.1
2GP14526	2GP14526	7/22/2016 10:28		0	0	19.4	80.6
2GP14526	2GP14526	7/22/2016 10:28	ADJ	0	0	19.4	80.6
2GP14526	2GP14526	7/22/2016 10:28		0	0	19.4	80.6
2GP14526	2GP14526	7/22/2016 10:28	ADJ	0	0	19.4	80.6
2GP14526	2GP14526	10/19/2016 9:27		0	0.1	22.6	77.3
2GP14526	2GP14526	10/19/2016 9:27	ADJ	0	0.1	22.6	77.3
2GP15528	2GP15528	1/4/2016 13:58		0	2.2	18.9	78.9
2GP15528	2GP15528	1/4/2016 13:58	ADJ	0	2.2	18.9	78.9
2GP15528	2GP15528	4/4/2016 14:12		0	2.5	18.6	78.9
2GP15528	2GP15528	4/4/2016 14:12	ADJ	0	2.5	18.6	78.9
2GP15528	2GP15528	7/22/2016 10:32		0	5.7	17.5	76.8
2GP15528	2GP15528	7/22/2016 10:32	ADJ	0	5.7	17.5	76.8
2GP15528	2GP15528	7/22/2016 10:32		0	5.7	17.5	76.8
2GP15528	2GP15528	7/22/2016 10:32	ADJ	0	5.7	17.5	76.8
2GP15528	2GP15528	10/19/2016 9:30		0	3.5	20.4	76.1
2GP15528	2GP15528	10/19/2016 9:30	ADJ	0	3.5	20.4	76.1
S2GP1500	S2GP1500	1/4/2016 13:15		0	0.3	19.6	80.1
S2GP1500	S2GP1500	1/4/2016 13:15	ADJ	0	0.3	19.6	80.1
S2GP1500	S2GP1500	4/4/2016 13:26		0	0.9	19.4	79.7
S2GP1500	S2GP1500	4/4/2016 13:26	ADJ	0	0.9	19.4	79.7
S2GP1500	S2GP1500	7/22/2016 9:54		0	1.5	22	76.5
S2GP1500	S2GP1500	7/22/2016 9:54	ADJ	0	1.5	22	76.5
S2GP1500	S2GP1500	7/22/2016 9:54		0	1.5	22	76.5
S2GP1500	S2GP1500	7/22/2016 9:54	ADJ	0	1.5	22	76.5
S2GP1500	S2GP1500	10/19/2016 8:28		0.1	1.8	18.4	79.7
S2GP1500	S2GP1500	10/19/2016 8:28	ADJ	0.1	1.8	18.4	79.7

Seven Mile Creek Landfill

Gas Probe Monitoring Report

Well ID	Alias	Date/Time	ADJ	CH4 (%)	CO2 (%)	O2 (%)	Balance (%)
S2GP1500	S2GP1500	10/19/2016 8:54		0	1.8	20.8	77.4
S2GP1500	S2GP1500	10/19/2016 8:54	ADJ	0	1.8	20.8	77.4
S2GP2503	S2GP2503	1/4/2016 13:20		0	1.5	18.6	79.9
S2GP2503	S2GP2503	1/4/2016 13:20	ADJ	0	1.5	18.6	79.9
S2GP2503	S2GP2503	4/4/2016 13:31		0	1.4	18.9	79.7
S2GP2503	S2GP2503	4/4/2016 13:31	ADJ	0	1.4	18.9	79.7
S2GP2503	S2GP2503	7/22/2016 10:04		0	1.9	22.2	75.9
S2GP2503	S2GP2503	7/22/2016 10:04	ADJ	0	1.9	22.2	75.9
S2GP2503	S2GP2503	7/22/2016 10:04		0	1.9	22.2	75.9
S2GP2503	S2GP2503	7/22/2016 10:04	ADJ	0	1.9	22.2	75.9
S2GP2503	S2GP2503	10/19/2016 8:58		0	2.5	20.4	77.1
S2GP2503	S2GP2503	10/19/2016 8:58	ADJ	0	2.5	20.4	77.1
S2GP3505	S2GP3505	1/4/2016 13:26		0	0.7	19.6	79.7
S2GP3505	S2GP3505	1/4/2016 13:26	ADJ	0	0.7	19.6	79.7
S2GP3505	S2GP3505	4/4/2016 13:51		0	0.6	19.5	79.9
S2GP3505	S2GP3505	4/4/2016 13:51	ADJ	0	0.6	19.5	79.9
S2GP3505	S2GP3505	7/22/2016 10:11		0	1.7	22.3	76
S2GP3505	S2GP3505	7/22/2016 10:11	ADJ	0	1.7	22.3	76
S2GP3505	S2GP3505	7/22/2016 10:11		0	1.7	22.3	76
S2GP3505	S2GP3505	7/22/2016 10:11	ADJ	0	1.7	22.3	76
S2GP3505	S2GP3505	10/19/2016 9:04		0	1.2	21.5	77.3
S2GP3505	S2GP3505	10/19/2016 9:04	ADJ	0	1.2	21.5	77.3
S2GP4507	S2GP4507	1/4/2016 13:34		0	1.3	19.3	79.4
S2GP4507	S2GP4507	1/4/2016 13:34	ADJ	0	1.3	19.3	79.4
S2GP4507	S2GP4507	4/4/2016 13:55		0	0.9	18.9	80.2
S2GP4507	S2GP4507	4/4/2016 13:55	ADJ	0	0.9	18.9	80.2
S2GP4507	S2GP4507	7/22/2016 10:14		0	3	20.7	76.3
S2GP4507	S2GP4507	7/22/2016 10:14	ADJ	0	3	20.7	76.3
S2GP4507	S2GP4507	7/22/2016 10:14		0	3	20.7	76.3
S2GP4507	S2GP4507	7/22/2016 10:14	ADJ	0	3	20.7	76.3
S2GP4507	S2GP4507	10/19/2016 9:12		0	3.1	19.7	77.2
S2GP4507	S2GP4507	10/19/2016 9:12	ADJ	0	3.1	19.7	77.2
S2GP5509	S2GP5509	1/4/2016 13:38		0	0.6	19.9	79.5
S2GP5509	S2GP5509	1/4/2016 13:38	ADJ	0	0.6	19.9	79.5
S2GP5509	S2GP5509	4/4/2016 13:58		0	0	19.9	80.1
S2GP5509	S2GP5509	4/4/2016 13:58	ADJ	0	0	19.9	80.1
S2GP5509	S2GP5509	7/22/2016 10:17		0	0.2	19.4	80.4
S2GP5509	S2GP5509	7/22/2016 10:17	ADJ	0	0.2	19.4	80.4
S2GP5509	S2GP5509	7/22/2016 10:17		0	0.2	19.4	80.4
S2GP5509	S2GP5509	7/22/2016 10:17	ADJ	0	0.2	19.4	80.4
S2GP5509	S2GP5509	10/19/2016 9:09		0	0	22.8	77.2
S2GP5509	S2GP5509	10/19/2016 9:09	ADJ	0	0	22.8	77.2
S2GP6510	S2GP6510	1/4/2016 13:11		0	0	19.7	80.3
S2GP6510	S2GP6510	1/4/2016 13:11	ADJ	0	0	19.7	80.3
S2GP6510	S2GP6510	4/4/2016 13:23		0	0	20.4	79.6
S2GP6510	S2GP6510	4/4/2016 13:23	ADJ	0	0	20.4	79.6
S2GP6510	S2GP6510	7/22/2016 10:47		0	0	19.4	80.6

Seven Mile Creek Landfill

Gas Probe Monitoring Report

Well ID	Alias	Date/Time	ADJ	CH4 (%)	CO2 (%)	O2 (%)	Balance (%)
S2GP6510	S2GP6510	7/22/2016 10:47	ADJ	0	0	19.4	80.6
S2GP6510	S2GP6510	7/22/2016 10:47		0	0	19.4	80.6
S2GP6510	S2GP6510	7/22/2016 10:47	ADJ	0	0	19.4	80.6
S2GP6510	S2GP6510	10/19/2016 9:50		0	0	22.2	77.8
S2GP6510	S2GP6510	10/19/2016 9:50	ADJ	0	0	22.2	77.8
S2GP7512	S2GP7512	1/4/2016 12:35		0	0	19.8	80.2
S2GP7512	S2GP7512	1/4/2016 12:35	ADJ	0	0	19.8	80.2
S2GP7512	S2GP7512	4/4/2016 12:58		0	0	20.4	79.6
S2GP7512	S2GP7512	4/4/2016 12:58	ADJ	0	0	20.4	79.6
S2GP7512	S2GP7512	7/22/2016 10:43		0	0	19.4	80.6
S2GP7512	S2GP7512	7/22/2016 10:43	ADJ	0	0	19.4	80.6
S2GP7512	S2GP7512	7/22/2016 10:43		0	0	19.4	80.6
S2GP7512	S2GP7512	7/22/2016 10:43	ADJ	0	0	19.4	80.6
S2GP7512	S2GP7512	10/19/2016 9:45		0	0.1	22.2	77.7
S2GP7512	S2GP7512	10/19/2016 9:45	ADJ	0	0.1	22.2	77.7
S2GP8514	S2GP8514	1/4/2016 12:30		0	0	19.7	80.3
S2GP8514	S2GP8514	1/4/2016 12:30	ADJ	0	0	19.7	80.3
S2GP8514	S2GP8514	4/4/2016 12:52		0	0	19.9	80.1
S2GP8514	S2GP8514	4/4/2016 12:52	ADJ	0	0	19.9	80.1
S2GP8514	S2GP8514	7/22/2016 10:40		0	0	19.3	80.7
S2GP8514	S2GP8514	7/22/2016 10:40	ADJ	0	0	19.3	80.7
S2GP8514	S2GP8514	7/22/2016 10:40		0	0	19.3	80.7
S2GP8514	S2GP8514	7/22/2016 10:40	ADJ	0	0	19.3	80.7
S2GP8514	S2GP8514	10/19/2016 9:41		0	0	22.4	77.6
S2GP8514	S2GP8514	10/19/2016 9:41	ADJ	0	0	22.4	77.6
S2GP9516	S2GP9516	1/4/2016 11:20		0	0.4	19.3	80.3
S2GP9516	S2GP9516	1/4/2016 11:20	ADJ	0	0.4	19.3	80.3
S2GP9516	S2GP9516	4/4/2016 12:48		0	0	19.4	80.6
S2GP9516	S2GP9516	4/4/2016 12:48	ADJ	0	0	19.4	80.6
S2GP9516	S2GP9516	7/22/2016 10:37		0	0	19.3	80.7
S2GP9516	S2GP9516	7/22/2016 10:37	ADJ	0	0	19.3	80.7
S2GP9516	S2GP9516	7/22/2016 10:37		0	0	19.3	80.7
S2GP9516	S2GP9516	7/22/2016 10:37	ADJ	0	0	19.3	80.7
S2GP9516	S2GP9516	10/19/2016 9:36		0	0	22.4	77.6
S2GP9516	S2GP9516	10/19/2016 9:36	ADJ	0	0	22.4	77.6

Note:
There was one low-level methane detection (i.e. 0.1 %) at S2GP1500 during the fourth quarter monitoring event in October 2016. This probe was re-checked and there was no methane detected. The low-level methane reported was less than the lower explosive limit and is therefore not an exceedance in accordance with NR 507.22(1)(c).

Appendix C

Leachate Monitoring Data

Appendix C
Tables

Table C-1: Annual Leachate Head Well Monitoring Summary – Sector 1
Table C-2: Monthly Leachate Head Well Monitoring Summary – Sector 2
Table C-3: Leachate Volumes

Table C-1

Seven Mile Creek Landfill- Sector 1
2016 Annual Leachate Headwell Monitoring
April 15, 2016

Well ID	DNR#	Top of Well Elevation (ft. MSL)	Depth to Liquid (ft.)	Liquid Elevation (ft.MSL)	Total Depth (ft.)	Feet of Liquid
LHW-1A	033	930.24	39.64	890.60	39.80	0.2
LHW-1B	038	928.56	37.30	891.26	38.62	1.3
LHW-2A	036	932.23	42.18	890.05	43.75	1.6
LHW-2B	037	929.16	35.46	893.70	40.14	4.7
LHW-3A	035	933.00	33.34	899.66	36.23	2.9
LHW-3BR	039	930.36	15.73	914.63	29.00	13.3
LWH-4A	040	943.64	51.24	892.40	55.21	4.0
LHW-4B	042	937.85	47.73	890.12	48.97	1.2
LHW-5A	044	926.05	33.63	892.42	45.83	12.2
LHW-5B	046	925.41	37.15	888.26	38.16	1.0
LHW-6A	048	915.92	25.34	890.58	32.78	7.4
LHW-6B	050	918.53	25.30	893.23	29.72	4.4

Notes:
Sector 1 is monitored Annually in April

Table C-2
Leachate Head Well Monitoring Summary - Sector 2
Advanced Disposal Services
Seven Mile Creek Landfill

Well ID	DNR#	Recorded Elevation of Vertical Well Bottom (ft. MSL)	Vertical Well Top of Casing Elevation (ft. MSL)	Vertical Well Depth (ft.)	Liner Elevation At Vertical Well	Recorded Elevation of As-built Head Well Inlet (ft. MSL)	Recorded Top of Horizontal Well Casing (ft. MSL)	Recorded Length to Head Well Inlet Elevation (ft.)	Recorded As-built Top of Casing at Toe of Side Slope (ft. MSL)	Recorded Well Length Measured Down the Side Slope (ft.)	Horizontal Well Side Slope (X:1)	Transducer Present (Y/N)	1/21/2016		2/23/2016		3/16/2016		4/15/2016		5/19/2016		6/21/2016		7/19/2016		8/16/2016		9/27/2016		10/7/2016		11/15/2016		12/8/2016	
													Depth to Liquid (ft.)	Feet of Head on Liner	Depth to Liquid (ft.)	Feet of Head on Liner	Depth to Liquid (ft.)	Feet of Head on Liner	Depth to Liquid (ft.)	Feet of Head on Liner	Depth to Liquid (ft.)	Feet of Head on Liner	Depth to Liquid (ft.)	Feet of Head on Liner	Depth to Liquid (ft.)	Feet of Head on Liner	Depth to Liquid (ft.)	Feet of Head on Liner	Depth to Liquid (ft.)	Feet of Head on Liner	Depth to Liquid (ft.)	Feet of Head on Liner	Depth to Liquid (ft.)	Feet of Head on Liner	Depth to Liquid (ft.)	Feet of Head on Liner
VLHW-1A	440	902.37	957.59	55.22	899.75	--	--	--	--	--	--	N	50.59	7.25	50.63	7.21	50.59	7.25	50.31	7.53	50.38	7.46	50.33	7.51	50.21	7.63	50.16	7.68	49.84	8.00	49.73	8.11	49.77	8.07	49.72	8.12
VLHW-2A	444	902.01	957.07	55.06	899.76	--	--	--	--	--	--	N	52.28	5.03	52.26	5.05	52.27	5.04	52.29	5.02	52.21	5.10	52.17	5.14	52.16	5.15	52.10	5.21	51.04	6.27	51.01	6.30	51.08	6.23	51.09	6.22
VLHW-3A	448	902.10	959.43	57.33	900.75	--	--	--	--	--	--	N	55.20	3.48	55.20	3.48	55.20	3.48	55.37	3.31	55.37	3.31	55.39	3.29	55.42	3.26	55.41	3.27	54.32	4.36	54.07	4.61	54.14	4.54	54.17	4.51

Well ID	DNR#	Recorded Elevation of Vertical Well Bottom (ft. MSL)	Vertical Well Top of Casing Elevation (ft. MSL)	Vertical Well Depth (ft.)	Liner Elevation At Vertical Well	Recorded Elevation of As-built Head Well Inlet (ft. MSL)	Recorded Top of Horizontal Well Casing (ft. MSL)	Recorded Length to Head Well Inlet Elevation (ft.)	Recorded As-built Top of Casing at Toe of Side Slope (ft. MSL)	Recorded Well Length Measured Down the Side Slope (ft.)	Horizontal Well Side Slope (X:1)	Bubbler Present (Y/N)	1/21/2016		2/23/2016		3/16/2016		4/15/2016		5/19/2016		6/21/2016		7/19/2016		8/16/2016		9/22/2016		10/7/2016		11/15/2016		12/8/2016	
													Bubbler Reading (in.)	Feet of Head on Liner [1]	Bubbler Reading (in.)	Feet of Head on Liner [1]	Bubbler Reading (in.)	Feet of Head on Liner [1]	Bubbler Reading (in.)	Feet of Head on Liner [1]	Bubbler Reading (in.)	Feet of Head on Liner [1]	Bubbler Reading (in.)	Feet of Head on Liner [1]	Bubbler Reading (in.)	Feet of Head on Liner [1]	Bubbler Reading (in.)	Feet of Head on Liner [1]	Bubbler Reading (in.)	Feet of Head on Liner [1]	Bubbler Reading (in.)	Feet of Head on Liner [1]	Bubbler Reading (in.)	Feet of Head on Liner [1]	Bubbler Reading (in.)	Feet of Head on Liner [1]
LHW-4A	450	--	--	--	--	889.65	914.69	79.2	889.65	79.18	3	Y	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00
LHW-4B	452	--	--	--	--	897.53	914.43	53.5	889.75	78.05	3	Y	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00
LHW-5A	454	--	--	--	--	887.33	921.27	139.9	887.34	139.90	4	Y	1.5	0.13	1.4	0.12	1.5	0.13	1.8	0.15	0.8	0.07	1.1	0.09	0.0	0.00	0.8	0.07	3.5	0.29	3.0	0.25	3.4	0.28	0.0	0.00
LWH-5B	456	--	--	--	--	895.88	921.18	104.3	887.64	138.29	4	Y	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00
LHW-6A	458	--	--	--	--	884.26	921.44	153.3	884.29	153.17	4	Y	0.5	0.04	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00
LHW-6B	460	--	--	--	--	893.07	921.77	118.3	884.30	154.49	4	Y	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00
LHW-7A	462	--	--	--	--	882.14	923.29	169.7	882.17	169.54	4	Y	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00
LHW-7B	464	--	--	--	--	888.59	923.68	144.7	883.80	164.43	4	Y	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.8	0.07	0.4	0.03
LHW-8	466	--	--	--	--	901.10	920.82	62.4	901.10	62.36	3	Y	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00
LHW-9	468	--	--	--	--	906.67	925.25	58.8	906.70	58.66	3	Y	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00
HW-10A	470	--	--	--	--	911.76	928.94	54.4	911.89	53.92	3	Y	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00
HW-10B	472	--	--	--	--	916.52	931.10	46.2	914.53	52.40	3	Y	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00
LHW-11	474	--	--	--	--	892.50	924.44	101.1	892.70	100.37	3	Y	0.0	0.00	0.0	0.00	0.0	0.00	2.3	0.19	0.7	0.06	0.0	0.00	1.0	0.08	1.0	0.08	1.3	0.11	2.7	0.23	2.0	0.17	3.0	0.25
LHW-12	476	--	--	--	--	895.61	932.89	117.9	895.65	117.76	3	Y	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00

Note: -All construction information and leachate head calculations were provided by Cornerstone Environmental Group personnel on 9/22/2014.
-Depth to liquid measurements obtained from 2016 monthly SEH field forms.
1. Bubbler zero point set at the leachate head well inlet.

Table C-3

Advanced Disposal Services
Seven Mile Creek Landfill
Leachate Volumes

Mon-Yr	Leachate Volume Pumped (gal.)		Leachate Volume Recirculated (gal.)
	Sector 1 (lic. #02821)	Sector 2 (lic.# 03097)	Sector 2 (lic.# 03097)
Jan-16	445,892	390,492	161,832
Feb-16	372,588	328,475	195,628
Mar-16	373,794	596,715	134,161
Apr-16	491,990	575,168	143,847
May-16	427,806	493,918	113,681
Jun-16	454,487	657,026	26,324
Jul-16	337,837	548,055	18,278
Aug-16	353,010	655,537	0
Sep-16	315,444	757,501	0
Oct-16	367,612	635,089	0
Nov-16	322,194	632,281	0
Dec-16	258,815	695,019	0
2016 Total:	**4,521,468**	**6,965,276**	**793,751**

Attachment C-1

Leachate Analytical Data Summaries – Sector 1 and Sector 2

Environmental Sampling Corporation
ADVANCED DISPOSAL SERVICES SEVEN MILE CREEK LANDFILL

Sector 1 Leachate Analytical Data Summary

Leachate Tank 1	PARAMETERS															
	Inorganic/Metals															
	Alkalinity	Ammonia Nitrogen	TKN	Nitrate Nitrogen	Iron	Sodium	Cadmium	Lead	Manganese	Mercury	Chloride	Hardness	BOD	Chromium	COD	Copper
DATE	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	ug/L	ug/L	ug/L	ug/L	mg/L	mg/L	mg/L	ug/L	mg/L	ug/L
01/31/13	4,710	499	--	--	--	--	<0.39	3.6 J	--	<0.10	--	1,270	<75.0	27.9	968	4.8 J
02/26/13	--	511	--	--	--	--	11.4	361	--	0.62	--	--	102	147.0	1,390	433
04/23/13	2,680	293	321	NA	10.5	648	<0.48	<2.7	443	<0.10	737	858	37.4	16.7	575	4.8 J
07/23/13	3,430	397	--	--	--	--	6.7	144	--	0.46	--	1,570	77.2	86.2	1,320	174
08/27/13	--	315	--	--	--	--	0.94 J	7.5 J	--	<0.10	--	--	46.9	23.4	788	14.1
09/24/13	--	444	--	--	--	--	0.62 J	3.8 J	--	<0.10	--	--	56.9	25.6	931	5.2 J
10/22/13	4,420	560	485	--	62.1	1,120	1.1 J	35.3	851	<0.10	1,190	1,370	88.7	48.6	1,030	50.9
12/03/13	--	461	--	--	--	--	1.6 J	52.7	--	0.11 J	--	--	59.2	42.3	848	70.7
12/19/13	--	492	--	--	--	--	<0.48	<2.7	--	<0.10	--	--	62.8	26.1	1,250	4.6 J
01/22/14	4,370	488	--	--	--	--	1.7 J	41.0	--	0.11 J	--	1,370	76.2	44.9	1,080	43.8
02/25/14	--	7.7	--	--	--	--	<0.48	<2.7	--	<0.10	--	--	65.3	29.0	911	4.0 J
03/18/14	--	<15.0	--	--	--	--	<0.48	<2.7	--	<0.10	--	--	65.6	28.4	736	4.0 J
04/08/14	3,220	381	370	--	10.7	823	<1.0	<1.6	407	<0.10	878	977	54.2	20.0	662	5.1 J
05/29/14	--	279	--	--	--	--	<1.0	2.0 J	--	<0.10	--	--	44.4	15.4	585	5.0 J
06/24/14	--	448	--	--	--	--	1.2 J	77.4	--	<0.10	--	--	<200	60.7	904	83.2
07/24/14	3,570	406	--	--	--	--	2.7 J	125	--	0.19 J	--	2,330	167	73.6	1,200	160
08/21/14	--	401	--	--	--	--	<1.0	20.0	--	<0.10	--	--	112	37.9	798	26
09/25/14	--	222	--	--	--	--	<1.0	<1.6	--	<0.10	--	--	66.4	19.4	584	<3.4
10/14/14	--	274	--	--	--	--	<1.0	3.3 J	--	<0.10	--	--	48.6	16.6	651	<3.4
11/25/14	--	320	--	<3.0	--	--	<1.0	2.8 J	--	<0.10	--	--	59.8	24.9	716	5.2 J
12/18/14	--	234	--	--	--	--	<1.0	5.0 J	--	<0.10	--	--	61.8	25.2	735	7.2 J
01/27/15	--	381	--	--	--	--	<1.0	5.1 J	--	<0.10	--	--	122	34.0	845	<3.4
02/24/15	--	414	--	--	--	--	<1.0	2.1 J	--	<0.10	--	--	61.2	29.6	867	<3.4
03/24/15	--	268	--	--	--	--	<1.0	35.9	--	<0.10	--	--	81.6	77.0	982	36.2
04/21/15	3,430	315	383	<3.0	17.0	810	<1.0	1.9 J	580	<0.10	825	1,010	57.6	22.1	663	<3.4
05/19/15	--	347	--	--	--	--	<1.0	<1.6	--	<0.10	--	--	65.4	28.3	749	<3.4
06/24/15	--	297	--	--	--	--	<1.0	6.9 J	--	<0.10	--	--	95.0	28.9	824	5.6 J
07/23/15	--	304	--	--	--	--	<1.0	2.7 J	--	<0.10	--	--	57.0	23.5	699	<3.4
08/31/15	--	281	--	--	--	--	<1.0	2.4 J	--	<0.10	--	--	40.4	14.7	584	<3.4
09/22/15	--	239	--	--	--	--	<1.0	4.9 J	--	<0.10	--	--	38.6	12.6	515	<3.4
10/13/15	--	382	--	--	--	--	<1.0	4.3 J	--	<0.10	--	--	77.6	30.2	778	8.4 J
11/12/15	--	310	--	--	--	--	<1.0	<1.6	--	<0.022	--	--	77.6	20.9	630	4.8 J
12/08/15	--	379	--	--	--	--	<1.0	22.8	--	<0.10	--	--	124	45.3	944	27.7
01/21/16	--	353	--	--	--	--	<1.0	11.4 J	--	<0.10	--	--	88.2	35.8	852	16.4
02/23/16	--	371	--	--	--	--	<1.0	20.0	--	<0.10	--	--	101	50.4	931	33.2
03/16/16	--	267	--	--	--	--	<1.0	34.6	--	<0.10	--	--	371	58.1	972	46.4
04/12/16	3,320	352	374	<3.0 D3	138	605	<1.0	10.3 J	1,040	<0.18	781	1,120	136	38.5	815	20.1
05/19/16	--	378	--	--	--	--	<5.0 D3	47.1 J D3	--	<0.18	--	--	465	97.8	1,300	72.6
06/21/16	--	354	--	--	--	--	<5.0 D3	36.0 J D3	--	<0.13	--	--	189	76.3	1,190	94.8
07/19/16	3,880	373	--	--	--	--	<10 D3	43.9 J D3	--	<0.13	--	1,440	182	81.2	1,310	86.4
08/16/16	--	333	--	--	--	--	<5.0 D3	40.6 J D3	--	<0.13	--	--	259	75.3	1,660	78.2
09/22/16	--	113	--	--	--	--	<1.0	4.2 J	--	<0.13	--	--	58.1	11.0	341	6.1 J
10/04/16	3,360	350	--	--	--	--	<1.3	34.4	--	<0.13	--	1,210	90	63.4	1,010	52.3
11/15/16	--	280	--	--	--	--	<1.3	46.4	--	<0.13	--	--	101	79.8	947	64.3
12/08/16	--	349	--	--	--	--	<2.7 D3	53.0	--	<0.13	--	--	100	109	1,110	94.5

Table notes are provided on the last page of the summary.

Environmental Sampling Corporation
ADVANCED DISPOSAL SERVICES SEVEN MILE CREEK LANDFILL

Sector 1 Leachate Analytical Data Summary

Leachate Tank 1	PARAMETERS									
	Inorganic/Metals						Physical Parameters			
	Nickel	Phosphorus *	Silver	Zinc	Cyanide	Oil & Grease	pH (lab) *	pH (field)	Conductivity	Temp.
DATE	ug/L	mg/L	ug/L	ug/L	mg/L	mg/L	s.u.	s.u.	umhos @ 25C	deg. C
01/31/13	118	1.8	<2.3	41.0	<0.026	3.4 J	7.8	7.48	16,450	3.9
02/26/13	266	27.6	<3.4	6,630	0.043 J	27.2	8.0	7.74	>3,999	16.2
04/23/13	73.4	0.79	<1.7	56.9	<0.023	2.2 J	7.8	7.76	7,390	8.9
07/23/13	161	118	2.1 J	3,880	<0.023	69.7	7.8	7.67	9,450	16.0
08/27/13	93.1	2.4	<1.7	536	0.026 J	3.2 J	7.3	7.38	10,250	20.1
09/24/13	103	2.5	<1.7	67.8	0.053 J	3.5 J	7.4	7.10	10,360	15.6
10/22/13	143	7.2	<3.4	661	<0.023	27.1	7.9	7.68	10,270	10.3
12/03/13	127	5.9	<1.7	831	<0.023	10.0	7.5	7.54	9,620	9.8
12/19/13	122	2.3	<1.7	39.1 J	<0.023	4.0 J	7.3	8.19	>20,000	7.6
01/22/14	142	6.6	<1.7	735	<0.023	11.9	7.4	7.78	16,450	3.9
02/25/14	129	2.4	<1.7	36.8 J	0.19	5.0 J	7.4	7.42	16,450	4.2
03/18/14	130	1.7	<1.7	44.0	0.024 J	4.0 J	7.7	7.92	10,970	12.7
04/08/14	92.5	1.5	<3.2	56.2	<0.060	3.3 J	7.4	7.62	6,210	16.9
05/29/14	66.8	1.5	<3.2	23.2 J	<0.030	2.3 J	7.2	7.29	7,980	17.1
06/24/14	132	6.8	<3.2	1,210	<0.060	18.4	7.7	7.95	9,600	17.6
07/24/14	134	22.9	<3.2	2,150	<0.060	69.3	7.7	7.81	9,410	18.2
08/21/14	112	4.9	<3.2	716	<0.030	14.7	7.6	7.07	9,980	15.7
09/25/14	76.1	1.7	<3.2	20.9 J	0.023	10.4	7.4	7.09	9,740	17.1
10/14/14	69.2	--	<3.2	29.2 J	<0.060	3.4 J	--	6.92	7,490	14.3
11/25/14	93.6	--	<3.2	41.7	<0.12	2.0 J	--	7.14	9,620	16.2
12/18/14	91.3	--	<3.2	65.1	<0.020	2.4 J	--	8.38	8,640	9.4
01/27/15	114	--	<3.2	48.2	<0.060	4.9	--	7.04	9,060	12.2
02/24/15	106	--	<3.2	55.0	<0.060	3.2 J	--	7.16	9,140	13.1
03/24/15	112	--	<3.2	568	<0.060	7.5	--	7.19	9,040	11.6
04/21/15	85.2	--	<3.2	36.4 J	<0.020	1.3 J	--	7.31	8,720	16.1
05/19/15	98.2	--	<3.2	23.3 J	<0.060	2.9 J	--	7.14	9,010	12.9
06/24/15	96.6	--	<3.2	78.1	<0.020	13.8	--	7.17	9,070	13.2
07/23/15	81.8	--	<3.2	31.4 J	<0.030	1.8 J	--	7.14	8,040	20.1
08/31/15	61.0	--	<3.2	19.2 J	<0.020	1.8 J	--	7.11	8,010	18.7
09/22/15	53.9	--	<3.2	18.9 J	<0.060	0.95 J	--	7.04	8,000	18.1
10/13/15	93.2	--	<3.2	114	<0.060	2.9 J	--	6.94	7,570	14.6
11/12/15	77.5	--	5.7 J	38.3 J	<0.020	<0.93	--	6.95	7,420	13.7
12/08/15	101	--	<3.2	699	<0.060	5.6	--	6.99	7,310	13.0
01/21/16	82.4	--	<3.2	178	<0.041 D3	2.3 J B	--	6.98	7,180	9.6
02/23/16	96.4	--	<3.2	408	<0.041 D3	1.6 J B	--	7.02	7,190	10.9
03/16/16	76.4	--	<3.2	519	<0.041 D3	1.1 J	--	7.07	6,740	11.4
04/12/16	80.9	--	<3.2	158	<0.014 D3	4.5	--	7.08	16,380	14.6
05/19/16	95.4	--	4.8 J	813	<0.041 D3	<1.1	--	7.54	9,870	15.4
06/21/16	117	--	4.1 J	3,800	<0.041 D3	1.6 J	--	7.40	10,090	17.9
07/19/16	112	--	6.2 J	2,070	<0.041 D3	6.4	--	7.52	9,790	12.2
08/16/16	108	--	5.6 J	2,350	<0.041 D3	2.6 J	--	7.41	9,430	14.8
09/22/16	36.6	--	<3.2	32.5 J	<0.0068	16.0	--	7.20	9,020	18.4
10/04/16	88.5	--	<3.3	685	<0.041 D3	33.6 M1	--	7.24	9,170	18.9
11/15/16	92	--	<3.3	557	<0.041 D3	12.5	--	7.85	7,880	14.3
12/08/16	113	--	<3.3	954	<0.041 D3	7.3	--	7.89	8,280	11.9

Table notes are provided on the last page of the summary.

Environmental Sampling Corporation
ADVANCED DISPOSAL SERVICES SEVEN MILE CREEK LANDFILL

Sector 1 Leachate Analytical Data Summary

Leachate Tank 1	PARAMETERS												
	Volatile Organic Compounds (VOCs)									PCBs	SVOCs		
	1,4-Dichloro-benzene	Acetone	Chloro-benzene	Ethyl-benzene	MEK (2-Butanone)	Napthalene	Tetra-hydro-furan	m&p-Xylene	o-Xylene	Total PCBs	Diethyl phthalate	Naphthalene	N-Nitroso-diphenylamine
DATE	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
01/31/13	<9.5	<49.9	<4.1	<5.4	<43.0	<8.9	447	<18.0	<8.3	--	--	--	--
02/26/13	--	--	--	--	--	--	--	--	--	--	--	--	--
04/23/13	<9.5	66.0 J	<4.1	<5.4	<43.0	<8.9	287	<18.0	<8.3	<0.30	<13.5	<7.0	<24.5
07/23/13	<4.3	109 J	<3.6	6.5 J	27.7 J	<25.0	415	10.4 J	5.9 J	--	--	--	--
08/27/13	--	--	--	--	--	--	--	--	--	--	--	--	--
09/24/13	--	--	--	--	--	--	--	--	--	--	--	--	--
10/22/13	2.3 J	52.1	1.2 J	2.0 J	14.2 J	7.6 J	376	8.7	3.3	<2.5	<13.5	<7.0	<24.5
12/03/13	--	--	--	--	--	--	--	--	--	--	--	--	--
12/19/13	--	--	--	--	--	--	--	--	--	--	--	--	--
01/22/14	5.6 J	73.4 J	3.6 J	11.7	69.6 J	<25.0	519	21.0	9.0 J	--	--	--	--
02/25/14	--	--	--	--	--	--	--	--	--	--	--	--	--
03/18/14	--	--	--	--	--	--	--	--	--	--	--	--	--
04/08/14	<2.5	63.3 J	<2.5	5.6	48.1 J	<12.5	385	13.1	6.7	<0.24	5.5 J	<15.0	<21.8
05/29/14	--	--	--	--	--	--	--	--	--	--	--	--	--
06/24/14	--	--	--	--	--	--	--	--	--	--	--	--	--
07/24/14	<5.0	59.1 J	<5.0	<5.0	<29.8	<25.0	315	<10.0	<5.0	--	--	--	--
08/21/14	--	--	--	--	--	--	--	--	--	--	--	--	--
09/25/14	--	--	--	--	--	--	--	--	--	--	--	--	--
10/14/14	--	--	--	--	--	--	--	--	--	--	--	--	--
11/25/14	--	--	--	--	--	--	--	--	--	--	--	--	--
12/18/14	--	--	--	--	--	--	--	--	--	--	--	--	--
01/27/15	--	--	--	--	--	--	--	--	--	--	--	--	--
02/24/15	--	--	--	--	--	--	--	--	--	--	--	--	--
03/24/15	--	--	--	--	--	--	--	--	--	--	--	--	--
04/21/15	<5.0	40.2 J	<5.0	8.6 J	<29.8	<25.0	433	16.8 J	<5.0	--	1.6 J	4.8 J	12.4 J
05/19/15	--	--	--	--	--	--	--	--	--	--	--	--	--
06/24/15	--	--	--	--	--	--	--	--	--	--	--	--	--
07/23/15	--	--	--	--	--	--	--	--	--	--	--	--	--
08/31/15	--	--	--	--	--	--	--	--	--	--	--	--	--
09/22/15	--	--	--	--	--	--	--	--	--	--	--	--	--
10/13/15	--	--	--	--	--	--	--	--	--	--	--	--	--
11/12/15	--	--	--	--	--	--	--	--	--	--	--	--	--
12/08/15	--	--	--	--	--	--	--	--	--	--	--	--	--
01/21/16	--	--	--	--	--	--	--	--	--	--	--	--	--
02/23/16	--	--	--	--	--	--	--	--	--	--	--	--	--
03/16/16	--	--	--	--	--	--	--	--	--	--	--	--	--
04/12/16	<5.0	43.6 J	<5.0	8.4 J	<29.8	<25.0	303	16.2 J	6.9 J	--	<10.8	<19.0	<9.7
05/19/16	--	--	--	--	--	--	--	--	--	--	--	--	--
06/21/16	--	--	--	--	--	--	--	--	--	--	--	--	--
07/19/16	--	--	--	--	--	--	--	--	--	--	--	--	--
08/16/16	--	--	--	--	--	--	--	--	--	--	--	--	--
09/22/16	--	--	--	--	--	--	--	--	--	--	--	--	--
10/04/16	--	--	--	--	--	--	--	--	--	--	--	--	--
11/15/16	--	--	--	--	--	--	--	--	--	--	--	--	--
12/08/16	--	--	--	--	--	--	--	--	--	--	--	--	--

Table notes are provided on the last page of the summary.

Environmental Sampling Corporation
ADVANCED DISPOSAL SERVICES SEVEN MILE CREEK LANDFILL

Sector 1 Leachate Analytical Data Summary

Leachate Tank 1	PARAMETERS									
	Volatile Fatty Acids (VFAs)									
	Lactic Acid	Acetic Acid	Propionic Acid	Formic Acid	Butyric Acid	Pyruvic Acid	i-Pentanoic Acid	Pentanoic Acid	i-Hexanoic Acid	Hexanoic Acid
DATE	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
01/31/13	0.79 J	0.44 J	0.30 J	<0.10	0.36 J	<0.040	<0.12	<0.10	<0.13	<0.39
02/26/13	--	--	--	--	--	--	--	--	--	--
04/23/13	--	--	--	--	--	--	--	--	--	--
07/23/13	<0.13	5.8	1.4	0.68 J	1.2	0.83 J	0.52 J	0.30 J	<0.29	<2.2
08/27/13	--	--	--	--	--	--	--	--	--	--
09/24/13	--	--	--	--	--	--	--	--	--	--
10/22/13	6.8 J	2.6 J	2.0 J	6.2 J	4.2 J	<1.4	<0.90	<1.1	<2.9	<22
12/03/13	--	--	--	--	--	--	--	--	--	--
12/19/13	--	--	--	--	--	--	--	--	--	--
01/22/14	5.6 J	6.1 J	4.4 J	6.3 J	3.9 J	5.5 J	6.8 J	2.7 J	<2.9	<22
02/25/14	--	--	--	--	--	--	--	--	--	--
03/18/14	--	--	--	--	--	--	--	--	--	--
04/08/14	--	--	--	--	--	--	--	--	--	--
05/29/14	--	--	--	--	--	--	--	--	--	--
06/24/14	--	--	--	--	--	--	--	--	--	--
07/24/14	2.7 J	3.9 J	3.9 J	3.7 J	<0.70	<0.90	<0.80	<1.4	<10	<12
08/21/14	--	--	--	--	--	--	--	--	--	--
09/25/14	--	--	--	--	--	--	--	--	--	--
10/14/14	--	--	--	--	--	--	--	--	--	--
11/25/14	--	--	--	--	--	--	--	--	--	--
12/18/14	--	--	--	--	--	--	--	--	--	--
01/27/15	--	--	--	--	--	--	--	--	--	--
02/24/15	--	--	--	--	--	--	--	--	--	--
03/24/15	--	--	--	--	--	--	--	--	--	--
04/21/15	--	--	--	--	--	--	--	--	--	--
05/19/15	--	--	--	--	--	--	--	--	--	--
06/24/15	--	--	--	--	--	--	--	--	--	--
07/23/15	--	--	--	--	--	--	--	--	--	--
08/31/15	--	--	--	--	--	--	--	--	--	--
09/22/15	--	--	--	--	--	--	--	--	--	--
10/13/15	--	--	--	--	--	--	--	--	--	--
11/12/15	--	--	--	--	--	--	--	--	--	--
12/08/15	--	--	--	--	--	--	--	--	--	--
01/21/16	--	--	--	--	--	--	--	--	--	--
02/23/16	--	--	--	--	--	--	--	--	--	--
03/16/16	--	--	--	--	--	--	--	--	--	--
04/12/16	--	--	--	--	--	--	--	--	--	--
05/19/16	--	--	--	--	--	--	--	--	--	--
06/21/16	--	--	--	--	--	--	--	--	--	--
07/19/16	--	--	--	--	--	--	--	--	--	--
08/16/16	--	--	--	--	--	--	--	--	--	--
09/22/16	--	--	--	--	--	--	--	--	--	--
10/04/16	--	--	--	--	--	--	--	--	--	--
11/15/16	--	--	--	--	--	--	--	--	--	--
12/08/16	--	--	--	--	--	--	--	--	--	--

Notes:
mg/L = milligrams per liter
ug/L = micrograms per liter
s.u. = standard units
J = result value was between the laboratory limit of detection and limit of quantitation.
< = The analyte was not detected at a concentration at or above the method detection limit (i.e. < MDL)
-- = Analysis was not required.
NA = Not analzyed. Due to an error in the April 2013 request for analysis, the annual nitrate nitrogen analysis was not conducted on the leachate sample collected from Sector 1. This error was recognized in 2014, after the completion of the 2013 sampling events.
In accordance with the December 18, 2007 Plan Modification Approval, annual monitoring is required at the leachate tank in April. Additional monitoring was conducted in accordance with the wastewater treatment plant monitoring requirements.
* = No longer analyzed due to requirement change in 2014
B = Analyte was detected in the Trip Blank or associated method blank
M1 = Matrix spike recovery exceeded QC limits, accepted based on laboratory control sample recovery.
D3 = Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.

Environmental Sampling Corporation
ADVANCED DISPOSAL SERVICES SEVEN MILE CREEK LANDFILL

Sector 2 Leachate Analytical Data Summary

Leachate Tank 2	PARAMETERS															
	Inorganic/Metals															
	Alkalinity	Ammonia Nitrogen	TKN	Iron	Sodium	Cadmium	Lead	Manganese	Mercury	Chloride	Sulfate #	Hardness	BOD	TSS ##	Chromium	COD
DATE	mg/L	mg/L	mg/L	mg/L	mg/L	ug/L	ug/L	ug/L	ug/L	mg/L	mg/L	mg/L	mg/L	mg/L	ug/L	mg/L
01/31/13	16,400	1,250	--	--	--	1.3 J	21.1	--	0.15 J	--	--	919	2,810	--	494	7,820
02/26/13	--	1,040	--	--	--	1.7 J	26.3	--	0.12 J	--	--	--	1,710	--	606	6,100
03/18/13	--	1,180	--	--	--	1.4 J	20.9	--	<0.10	--	--	--	1,490	--	489	4,690
04/23/13	2,720	445	530	39.2	1,100	1.0 J	10.0	2,860	0.24	1,110	--	1,040	2,700	--	120	4,420
05/30/13	-	484	--	--	--	1.8 J	24.3	--	0.12 J	--	--	--	2,050	--	244	4,240
06/27/13	--	529	--	--	--	1.2 J	24.9	--	0.23	--	--	--	761	--	177	2,330
07/23/13	7,790	1,150	--	--	--	4.2 J	83.2	--	0.85	--	--	1,600	4,360	--	523	7,960
08/22/13	--	1,530	--	--	--	2.0 J	42.5	--	<0.10	--	--	--	4,220	--	609	8,500
09/24/13	--	1,320	--	--	--	<2.4	25.2 J	--	<0.10	--	--	--	4,560	--	569	4,560
10/22/13	17,000	1,310	1,370	35.7	3,690	2.0 J	36.3	2,710	<0.10	4,190	--	1,440	4,980	--	565	9,290
12/03/13	--	1,380	--	--	--	0.90 J	26.40	--	0.14 J	--	--	--	3,350	--	552	7,370
12/19/13	--	1,180	--	--	--	1.6 J	27.8	--	0.24	--	--	--	2,930	--	584	7,480
01/21/14	9,080	1,550	--	--	--	1.0 J	17.5	--	0.15 J	--	--	941	2,380	--	569	6,800
02/25/14	--	1,390	--	--	--	1.4 J	29.9	--	<0.10	--	--	--	1,790	--	588	5,890
03/18/14	--	572	--	--	--	<0.48	11.4	--	<0.10	--	--	--	1,220	--	221	2,430
04/08/14	3,980	492	626	8.57	1,600	1.6 J	7.1 J	1,830	0.14 J	1,600	--	602	936	--	185	2,560
05/29/14	--	862	--	--	--	1.5 J	23.3	--	<0.10	--	--	--	1,490	--	330	4,070
06/24/14	--	657	--	--	--	<1.0	28.5	--	<0.10	--	--	--	3,540	--	418	5,790
07/24/14	7,690	1,050	--	--	--	<1.0	31.6	--	0.11 J	--	--	944	1,040	--	466	3,700
08/21/14	--	1,350	--	--	--	<1.0	21.0	--	<0.10	--	--	--	1,800	--	469	6,070
09/25/14	--	830	--	--	--	1.5 J	16.7	--	<0.10	--	--	--	3,350	--	421	5,610
10/14/14	6,360	605	1,130	42.5	2,600	<1.0	23.4	3,950	<0.10	2,460	--	1,120	2,680	--	401	5,470
11/25/14	--	604	--	--	--	<1.0	18.2	--	<0.10	--	--	--	2,120	--	329	4,540
12/18/14	--	571	--	--	--	1.7 J	26.5	--	<0.10	--	--	--	1,230	--	380	3,520
01/27/15	--	949	--	--	--	1.1J	21.1	--	<0.10	--	--	--	1,700	--	404	4,410
02/24/15	--	1,120	--	--	--	<1.0	18.6	--	<0.10	--	--	--	1,280	--	525	2,380
03/24/15	--	1,050	--	--	--	1.0 J	19.3	--	<0.10	--	--	--	2,610	--	444	6,440
04/21/15	8,590	943	1,430	32.3	3,120	<1.0	18.3	2,090	<0.10	3,620	--	967	1,380	--	563	4,590
05/19/15	--	864	--	--	--	<1.0	22.6	--	<0.10	--	--	--	2,350	--	470	6,160
06/23/15	--	931	--	--	--	<1.0	21.1	--	<0.10	--	--	--	3,880	--	539	7,260
07/23/15	--	1,030	--	--	--	<1.0	32.6	--	<0.10	--	--	--	1,120	--	714	4,960
08/31/15	--	915	--	--	--	<1.0	23.1	--	<0.10	--	--	--	913	--	519	4,180
09/22/15	--	1,040	--	--	--	<1.0	14.5	--	<0.10	--	--	--	5,290	--	416	8,660
10/13/15	9,000	1,240	1,430	56.8	3,590	<1.0	13.3	3,520	<0.10	3,890	--	1,190	2,310	--	460	5,700
11/12/15	--	945	--	--	--	<1.0	14.5	--	0.023 J	--	--	--	4,000	--	382	6,580
12/08/15	--	963	--	--	--	<1.0	14.4	--	<0.10	--	--	--	4,900	--	484	8,340
01/21/16	--	1,070	--	--	--	<10.0 D3	16.2 J D3	--	0.13 J	--	--	--	5,530	--	472	9,530
02/23/16	--	1,130	--	--	--	<1.0	25.0	--	<0.20 D3	--	--	--	5,690	--	572	9,040
03/16/16	--	811	--	--	--	<1.0	21.0 B	--	<0.10	--	--	--	5,130	--	402	8,100
04/12/16	7,940	1,010	1,240	77.7	2,510	<1.0	18.6	5,330	<0.18	3,030	<200 D3	1,680	3,850	320	436	6,230
05/19/16	--	1,240	--	--	--	<1.0	12.8	--	<0.18	--	--	--	4,140	--	432	7,080
06/21/16	--	1,110	--	--	--	<1.0	10.5 J	--	<0.13	--	--	--	3,670	--	394	6,850
07/19/16	9,380	1,140	--	--	--	<1.0	17.8	--	<0.13	--	--	1,400	2,970	--	538	6,590
08/16/16	--	700	--	--	--	<1.0	23.6	--	<0.13	--	--	--	2,460	--	526	7,260
09/22/16	--	500	--	--	--	<1.0	15.8	--	<0.13	--	--	--	2,290	--	228	4,220
10/04/16	8,640	1,050	1,520	37.0	3,310	<1.3	14.9	2,200	<0.13	4,470	<100 D3	1,140	1,740	122	426	5,150
11/15/16	9,400	1,060	--	--	--	<1.3	12.7 J	--	<0.13	--	--	--	3,260	--	400	6,940
12/08/16	--	862	--	--	--	<1.3	10.6 J	--	<0.13	--	--	--	1,570	--	238	3,950

Table notes are provided on the last page of the data summary.

Environmental Sampling Corporation
ADVANCED DISPOSAL SERVICES SEVEN MILE CREEK LANDFILL

Sector 2 Leachate Analytical Data Summary

Leachate Tank 2	PARAMETERS										
	Inorganics/Metals							Physical Parameters			
	Copper	Nickel	Phosphorus *	Silver	Zinc	Cyanide	Oil & Grease	pH (lab) *	pH (field)	Conductivity	Temp.
DATE	ug/L	ug/L	mg/L	ug/L	ug/L	mg/L	mg/L	s.u.	s.u.	umhos @ 25C	deg. C
01/31/13	118	410	12.6	<2.3	560	0.055 J	19.0	7.9	8.41	19,870	3.8
02/26/13	81.7	532	10.1	<3.4	760	0.050 J	42.6	8.1	8.14	73,999	8.9
03/18/13	111	443	11.3	<1.7	588	0.075 J	38.5	8.1	7.87	>20,000	18.9
04/23/13	57.8	197	5.7	<1.7	2,000	0.033 J	17.5	7.2	7.09	9,610	10.4
05/30/13	55.9	281	8.1	<1.7	4,000	0.026 J	29.7	7.4	7.86	15,190	23.8
06/27/13	76.8	192	6.3	<1.7	2,200	0.029 J	27.3	7.8	7.87	12,140	29.3
07/23/13	144	543	10.0	<3.4	11,400	<0.023	105	7.9	8.08	>20,000	26.8
08/22/13	167	555	13.1	<3.4	4,050	0.076 J	93.0	7.9	8.20	>20,000	24.7
09/24/13	43.1 J	552	12.3	<8.5	2,760	0.069 J	100	8.0	7.73	>20,000	21.7
10/22/13	86.0	530	12.7	<3.4	2,840	0.042 J	62.7	8.0	7.99	>20,000	15.5
12/03/13	38.1	498	13.6	2.5 J	2,280	0.044 J	50.3	8.0	8.25	>20,000	10.0
12/19/13	51.8	525	14.4	<1.7	2,010	0.042 J	64.6	7.9	7.45	10,310	9.5
01/21/14	45.3	506	14.8	1.8 J	1,550	0.050 J	48.1	8.0	8.11	19,870	3.8
02/25/14	42.3	603	13.8	2.2 J	2,840	0.056 J	40.0	8.1	8.32	19,920	14.1
03/18/14	47.4	243	6.4	<1.7	622	0.042 J	45.5	7.4	7.82	13,830	13.2
04/08/14	69.2	258	5.6	<3.2	2,840	<0.060	24.6	7.6	7.23	9,420	18.4
05/29/14	86.4	496	13.6	<3.2	3,280	<0.060	36.1	7.6	7.14	9,810	NA
06/24/14	97.3	616	11.2	<3.2	5,810	<0.060	46.5	7.7	7.77	18,980	27.4
07/24/14	73.8	571	11.6	<3.2	2,310	<0.060	35.8	8.2	7.84	18,940	27.8
08/21/14	35.7	427	14.1	<3.2	828	0.077 J	43.2	7.8	7.88	19,890	25.0
09/25/14	34.4	376	12.1	<3.2	1,000	<0.12	37.8	7.8	7.82	19,760	25.4
10/14/14	51.9	521	--	<3.2	2,500	<0.060	42.4	--	7.78	18,970	17.7
11/25/14	67.4	497	--	<3.2	1,820	<0.12	16.7	--	7.74	19,710	23.2
12/18/14	94.9	446	--	<3.2	1,810	<0.060	20.5	--	7.49	18,290	17.2
01/27/15	29.5	455	--	<3.2	1,330	<0.060	27.8	--	7.24	14,070	16.8
02/24/15	31.1	531	--	3.5 J	834	<0.060	21.3	--	7.41	14,190	16.9
03/24/15	34.4	671	--	<3.2	1,630	<0.060	27.4	--	7.43	14,230	15.2
04/21/15	39.8	519	--	<3.2	1,180	0.035 J	32.2	--	7.59	14,390	17.4
05/19/15	305	627	--	<3.2	1,410	<0.060	4.2 J	--	7.47	14,170	14.9
06/23/15	42.7	784	--	4.6 J	1,750	<0.060	44.7	--	7.59	14,080	15.3
07/23/15	41.2	666	--	3.8 J	1,280	<0.060	32.4	--	7.19	13,040	20.1
08/31/15	42.1	556	--	<3.2	795	0.068 J	22.0	--	7.13	12,740	20.1
09/22/15	24.6	964	--	<3.2	2,390	<0.060	56.0	--	7.17	11,840	20.0
10/13/15	26.8	705	--	<3.2	2,470	<0.060	4.4 J	--	7.40	19,000	16.8
11/12/15	26.0	746	--	8.9 J	1,570	<0.060	<0.87	--	7.30	18,700	13.9
12/08/15	26.1	1,070	--	<3.2	3,340	<0.060	2.0 J	--	7.31	18,640	11.8
01/21/16	57.2 J D3	989	--	<31.6 D3	3,300	<0.041 D3	3.4 B	--	7.21	18,400	12.9
02/23/16	51.9	1,140	--	<3.2	5,820	0.045 J D3	20.0	--	7.19	18,240	13.7
03/16/16	109	827	--	<3.2	4,500	0.048 J D3	1.2 J B	--	7.07	17,870	13.9
04/12/16	28.8	752	--	<3.2	2,750	<0.041 D3	<1.1	--	7.02	6,710	12.6
05/19/16	21.0	729	--	<3.2	2,060	<0.041 D3	<1.1	--	7.54	19,980	26.0
06/21/16	22.7	665	--	<3.2	1,820	0.074 J D3	1.4 J	--	7.58	19,740	25.0
07/19/16	33.6	773	--	<3.2	1,920	<0.041 D3	9.0	--	7.96	19,960	22.4
08/16/16	34.3	830	--	<3.2	2,540	<0.041 D3	5.4	--	7.84	19,980	23.5
09/22/16	30.1	387	--	<3.2	1,500	0.022 J D3	6.7	--	7.62	17,430	23.6
10/04/16	20.9	550	--	<3.3	1,160	0.049 J D3	34.5	--	7.69	18,370	22.4
11/15/16	17.8 J	549	--	<3.3	1,280	<0.041 D3	12.4	--	7.74	16,870	18.9
12/08/16	19.6 J	410	--	<3.3	1,130	0.051 J D3	22.0 M1	--	7.89	17,560	11.2

Table notes are provided on the last page of the data summary.

Environmental Sampling Corporation
ADVANCED DISPOSAL SERVICES SEVEN MILE CREEK LANDFILL

Sector 2 Leachate Analytical Data Summary

Leachate Tank 2	PARAMETERS												
	Volatile Organic Compounds (VOCs)										PCBs	SVOCs	
	1,4-Dichloro-benzene	Acetone	Ethyl-benzene	Methylene Chloride	MEK (2-Butanone)	Tetra-hydrofuran	Tetra-chloroethene	Toluene	m&p-Xylene	o-Xylene	Total PCBs	m-&p-Cresol	Phenol
DATE	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
01/31/13	<47.5	8,310	<27.0	<21.5	6,820	1,570	<22.5	<33.5	<90.0	<41.5	--	--	--
02/26/13	--	--	--	--	--	--	--	--	--	--	--	--	--
03/18/13	--	--	--	--	--	--	--	--	--	--	--	--	--
04/23/13	<47.5	2,910	<27.0	<21.5	<215	940	29.8 J	60.3	<90.0	<41.5	<3.0	1,570 J	1,270 J
05/30/13	--	--	--	--	--	--	--	--	--	--	--	--	--
06/27/13	--	--	--	--	--	--	--	--	--	--	--	--	--
07/23/13	<43.4	10,500	<50.0	<35.9	8,010	1,440	<47.2	<43.9	<81.7	<50.0	--	--	--
08/22/13	--	--	--	--	--	--	--	--	--	--	--	--	--
09/24/13	--	--	--	--	--	--	--	--	--	--	--	--	--
10/22/13	<43.4	6,480	<50.0	<35.9	5,840	1,190	<47.2	<43.9	<81.7	<50.0	<2.5	3,010	742 J
12/03/13	--	--	--	--	--	--	--	--	--	--	--	--	--
12/19/13	--	--	--	--	--	--	--	--	--	--	--	--	--
01/21/14	<17.4	7,410	<20.0	<14.3	5,800	1,680	<18.9	<17.5	<32.7	<20.0	--	--	--
02/25/14	--	--	--	--	--	--	--	--	--	--	--	--	--
03/18/14	--	--	--	--	--	--	--	--	--	--	--	--	--
04/08/14	<5.0	1,320	9.1 J	5.0 J	964	879	<5.0	21.1	15.0 J	7.6 J	0.29 J	365	263
05/29/14	--	--	--	--	--	--	--	--	--	--	--	--	--
06/24/14	--	--	--	--	--	--	--	--	--	--	--	--	--
07/24/14	<5.0	2,460	<5.0	<2.3	1,560	1,100	<5.0	7.6 J	<10.0	<5.0	--	--	--
08/21/14	--	--	--	--	--	--	--	--	--	--	--	--	--
09/25/14	--	--	--	--	--	--	--	--	--	--	--	--	--
10/14/14	<12.5	3,400	16.3 J	<5.8	1,630	1,060	<12.5	53.4	28.2 J	<12.5	<0.24	--	--
11/25/14	--	--	--	--	--	--	--	--	--	--	--	--	--
12/18/14	--	--	--	--	--	--	--	--	--	--	--	--	--
01/27/15	--	--	--	--	--	--	--	--	--	--	--	--	--
02/24/15	--	--	--	--	--	--	--	--	--	--	--	--	--
03/24/15	--	--	--	--	--	--	--	--	--	--	--	--	--
04/21/15	11.5	3,460	10.5	<2.3 B	3,890	1,620	<5.0	37.3	28.3	<5.0	<2.5	945	755
05/19/15	--	--	--	--	--	--	--	--	--	--	--	--	--
06/23/15	--	--	--	--	--	--	--	--	--	--	--	--	--
07/23/15	--	--	--	--	--	--	--	--	--	--	--	--	--
08/31/15	--	--	--	--	--	--	--	--	--	--	--	--	--
09/22/15	--	--	--	--	--	--	--	--	--	--	--	--	--
10/13/15	<20.0	3,640	<20.0	<9.3	3,090	1,180	<20.0	34.2 J	<40.0	<20.0	<0.25	--	--
11/12/15	--	--	--	--	--	--	--	--	--	--	--	--	--
12/08/15	--	--	--	--	--	--	--	--	--	--	--	--	--
01/21/16	--	--	--	--	--	--	--	--	--	--	--	--	--
02/23/16	--	--	--	--	--	--	--	--	--	--	--	--	--
03/16/16	--	--	--	--	--	--	--	--	--	--	--	--	--
04/12/16	<50.0	16,300	<50.0	<23.3	13,200	1,820	<50.0	51.1 J	<100	<50.0	<2.5	2,040 J	506 J D3
05/19/16	--	--	--	--	--	--	--	--	--	--	--	--	--
06/21/16	--	--	--	--	--	--	--	--	--	--	--	--	--
07/19/16	--	--	--	--	--	--	--	--	--	--	--	--	--
08/16/16	--	--	--	--	--	--	--	--	--	--	--	--	--
09/22/16	--	--	--	--	--	--	--	--	--	--	--	--	--
10/04/16	<20.0	3,810 B	<20.0	<9.3	3,610	1,330	<20.0	31.7 J	<40.0	<20.0	<0.24	--	--
11/15/16	--	--	--	--	--	--	--	--	--	--	--	--	--
12/08/16	--	--	--	--	--	--	--	--	--	--	--	--	--

Table notes are provided on the last page of the data summary.

Environmental Sampling Corporation
ADVANCED DISPOSAL SERVICES SEVEN MILE CREEK LANDFILL

Sector 2 Leachate Analytical Data Summary

Leachate Tank 2	PARAMETERS									
	Volatile Fatty Acids (VFAs)									
	Lactic Acid	Acetic Acid	Propionic Acid	Formic Acid	Butyric Acid	Pyruvic Acid	i-Pentanoic Acid	Pentanoic Acid	i-Hexanoic Acid	Hexanoic Acid
DATE	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
01/31/13	3.8 J	920	540	33	280	29	36	84	<1.3	83
02/26/13	--	--	--	--	--	--	--	--	--	--
03/18/13	--	--	--	--	--	--	--	--	--	--
04/23/13	--	--	--	--	--	--	--	--	--	--
05/30/13	--	--	--	--	--	--	--	--	--	--
06/27/13	--	--	--	--	--	--	--	--	--	--
07/23/13	<50	970	720	48	340	35	26	200	<2.9	89
08/22/13	--	--	--	--	--	--	--	--	--	--
09/24/13	--	--	--	--	--	--	--	--	--	--
10/22/13	--	--	--	--	--	--	--	--	--	--
12/03/13	--	--	--	--	--	--	--	--	--	--
12/19/13	--	--	--	--	--	--	--	--	--	--
01/21/14	5.0 J	510	410	44	150	31	32	40	<2.9	44 J
02/25/14	--	--	--	--	--	--	--	--	--	--
03/18/14	--	--	--	--	--	--	--	--	--	--
04/08/14	--	--	--	--	--	--	--	--	--	--
05/29/14	--	--	--	--	--	--	--	--	--	--
06/24/14	--	--	--	--	--	--	--	--	--	--
07/24/14	1.8 J	210	140	17	49	9.0 J	12 J	16	40	<12
08/21/14	--	--	--	--	--	--	--	--	--	--
09/25/14	--	--	--	--	--	--	--	--	--	--
10/14/14	--	--	--	--	--	--	--	--	--	--
11/25/14	--	--	--	--	--	--	--	--	--	--
12/18/14	--	--	--	--	--	--	--	--	--	--
01/27/15	--	--	--	--	--	--	--	--	--	--
02/24/15	--	--	--	--	--	--	--	--	--	--
03/24/15	--	--	--	--	--	--	--	--	--	--
04/21/15	8.8 J	310	170	17	78	13 J	14 J	21	<20	19 J
05/19/15	--	--	--	--	--	--	--	--	--	--
06/23/15	--	--	--	--	--	--	--	--	--	--
07/23/15	--	--	--	--	--	--	--	--	--	--
08/31/15	--	--	--	--	--	--	--	--	--	--
09/22/15	--	--	--	--	--	--	--	--	--	--
10/13/15	--	--	--	--	--	--	--	--	--	--
11/12/15	--	--	--	--	--	--	--	--	--	--
12/08/15	--	--	--	--	--	--	--	--	--	--
01/21/16	--	--	--	--	--	--	--	--	--	--
02/23/16	--	--	--	--	--	--	--	--	--	--
03/16/16	--	--	--	--	--	--	--	--	--	--
04/12/16	0.47 J	1,000	590	2.2 J	470	36	29	170	4.2 J	170
05/19/16	--	--	--	--	--	--	--	--	--	--
06/21/16	--	--	--	--	--	--	--	--	--	--
07/19/16	--	--	--	--	--	--	--	--	--	--
08/16/16	--	--	--	--	--	--	--	--	--	--
09/22/16	--	--	--	--	--	--	--	--	--	--
10/04/16	--	--	--	--	--	--	--	--	--	--
11/15/16	--	--	--	--	--	--	--	--	--	--
12/08/16	--	--	--	--	--	--	--	--	--	--

Notes:
mg/L = milligrams per liter
ug/L = micrograms per liter
s.u. = standard units
J = result value was between the laboratory limit of detection and limit of quantitation.
< = The analyte was not detected at a concentration at or above the method detection limit (i.e. < MDL)
-- = Analysis was not required.

In accordance with the April 19, 2005 Conditional Plan of Operation, semi-annual monitoring is required at the leachate tank in April and October.
Additional monitoring was conducted in accordance with the Organic Stability Plan and the wastewater treatment plant monitoring requirements.
The June 2013 oil & grease sample was collected on July 2, 2013.
* = No longer analyzed due to requirement change in 2014
B = Analyte was detected in the Trip Blank or associated method blank
ND = Analyte was not detected
NA = Data was not available
= Analytes were added due to a requirement change in 2016.
M1 = Matrix spike recovery exceeded QC limits, accepted based on laboratory control sample recovery.
D3 = Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.

Attachment C-2

Leachate Head Well Total Depth Evaluation – Sector 1

Leachate Head Well Assessment – Sector 1

Leachate Head Well Repair Summary – Sector 1

Leachate Head Well Total Depth Evaluation – Sector 1

Seven Mile Creek Landfill
Sector 1, License # 02821

Leachate Head Well Total Depth Evaluation

Head Well ID	DID	Well Construction Info		Top of Casing Elevation (ft.MSL) (Most Recent Survey)	August 2016			Difference in Reference Elevation (ft.)	Difference in Total Depth (ft.)	Difference in Total Depth less Difference in Ref.Elev. (ft.)
		Top of Casing Elevation (ft.MSL)	Total Depth (ft.)		Measured Total Depth (ft.)	Depth to Liquid (ft.)	Height of Liquid (ft.)			
LHW-1A	033	933.16	47.30	930.24	39.84	dry	0.0	-2.9	-7.5	-4.5
LHW-1B	038	930.31	40.35	928.56	38.56	37.32	1.2	-1.8	-1.8	0.0
LHW-2A	036	933.70	49.45	932.23	43.70	43.50	0.2	-1.5	-5.8	-4.3
LHW-2B	037	930.52	41.20	929.16	39.98	36.40	3.6	-1.4	-1.2	0.1
LHW-3A	035	934.58	50.90	933.00	36.18	35.14	1.0	-1.6	-14.7	-13.1
LHW-3BR	039	928.18	29.00	930.36	28.94	16.90	12.0	2.2	-0.1	-2.2
LHW-4A	040	945.57	59.38	943.64	56.27	53.71	2.6	-1.9	-3.1	-1.2
LHW-4B	042	941.12	53.32	937.85	49.00	48.87	0.1	-3.3	-4.3	-1.1
LHW-5A	044	928.70	47.75	926.05	45.71	36.39	9.3	-2.7	-2.0	0.6
LHW-5B	046	929.00	42.39	925.41	38.30	37.73	0.6	-3.6	-4.1	-0.5
LHW-6A	048	918.78	39.30	915.92	32.98	25.59	7.4	-2.9	-6.3	-3.5
LHW-6B	050	919.67	34.50	918.53	30.18	26.83	3.4	-1.1	-4.3	-3.2

Notes:
Well construction information was obtained from the Physical Details provided in the WDNR GEMS database.

Monitoring data and evaluation information was provided by SEH. Details of the evaluation are provided in SEH's Daily Field Log for ADS Seven Mile Creek Landfill, Project # 135733 for 08/29/16.

Leachate head well adjustments:
LHW-3BR was damaged during a mowing event and was repaired in August 2015.
LHW-6A was cut down in September 2015 due to settlement of the protective casing.

Leachate Head Well Assessment – Sector 1

Daily Field Log

Project: ADS Seven Mile Creek Landfill, Eau Claire, WI.
Project Number: 135733
Date: 8/29/16 Arrived 9:00 A.M. departed 2:15 P.M.

Personal On-site: Mike Rohlik (SEH)
Weather Conditions: Partly cloudy to Overcast 75 Degrees, Wind 5-10 mph South
PPE: Level D
Recorder: Mike Rohlik

Site Activities:
Inspect and attempt to develop purge each leachate head well (LHW) constructed on Sector 1. When purging is possible, measure recharge rates. Record total depth and depth to liquid at each LHW prior to and following purging.

LHW-1A Total Well Depth: 39.84ft
Depth to liquid: Dry

NOTES: Does not have protective pro-top. See attached photo.

LHW-2A Total Well Depth: 43.70ft
Depth to liquid: 43.50ft

NOTES: Insufficient liquid to purge/develop. Casing needs to be cut, or pro-top reset to lock. See attached photo.

LHW-3A Total Well Depth: 36.18ft
Depth to liquid: 35.14ft

NOTES: Attempted to develop with waterra pump, foot valve would not seat due to course sand, which appeared to be filter pack sand. Tried to advance disposable bailer but encountered an obstruction at approximately 34.5 ft. PVC riser extends approximately 1-feet above pro-top. PVC casing needs to be cut, or pro-top reset to lock. See attached photo.

LHW-4A Total Well Depth: 56.27ft
Depth to liquid: 53.71ft

NOTES: Pro-top settled, with PVC well remaining elevated (6ft) not allowing the attachment of the waterra pump. Tried to advance disposable bailer but bailer became lodged approximately 10 feet below grade. The well was unable to be purged. PVC casing needs to be cut to lock. See attached photo.

LHW-5A Total Well Depth: 45.46ft
Total Well Depth following Purging: 45.71ft
Depth to liquid: 36.39ft

NOTES: Tried to advance disposable bailer but bailer became lodged below grade. Attempted to develop with waterra pump, foot valve would not seat due to course sand, which appeared to be filter pack sand. After multiple attempts, able to remove approximately 2 gallons between foot valve seating issues. No change to depth to liquid was noted after removing 2 gallons. No issues with casing or pro-top. See attached photo.

LHW-6A Initial Total Well Depth: 32.98ft
Initial Depth to liquid: 25.59ft

NOTES: The waterra pump was used to surge and remove 30 gallons in approximately 30 mins until the well purged dry:
After terminating pumping DTL=31.60ft
15 min DTL=30.85ft
30 min DTL=29.42ft
60 min DTL=28.60ft

PVC casing needs to be cut, or pro-top reset to lock. See attached photo.

LHW-1B Total Well Depth: 38.56ft
Depth to liquid: 37.32ft

NOTES: Attempted to develop with waterra pump, and was limited by the lack of water. Tried to advance disposable bailer but bailer became lodged at approximately 33.70ft below grade. PVC casing needs to be cut, or pro-top reset to lock. Well cap missing. See attached photo.

LHW-2B Total Well Depth: 39.94ft
Total Well Depth following Purging: 39.98ft
Depth to liquid: 36.40ft

NOTES: Tried to advance disposable bailer but bailer became lodged approximately 6ft below grade. Attempted to develop with waterra pump, foot valve would not seat due to course sand, which appeared to be filter pack sand. After multiple attempts, able to remove approximately 1.5 gallons between foot valve seating issues. No change to depth to liquid was noted after removing 1.5 gallons. PVC casing needs to be cut, or pro-top reset to lock. See attached photo.

LHW-3BR Initial Total Well Depth: 28.74ft
Total Well Depth following Purging: 28.94ft
Initial Depth to liquid: 16.90ft

NOTES: Tried to advance disposable bailer but bailer became lodged approximately 10ft below grade. Attempted to develop with waterra pump, foot valve would not seat due to sand. After multiple attempts, able to remove approximately 15 gallons between foot valve seating issues:

After terminating pumping DTL: 24.57
5 min DTL=23.12
15 min DTL=20.15ft
30 min DTL=17.42ft

Pro-top is not able to be locked. If pro-top is not replaced, the PVC casing needs to be cut, or pro-top reset to place cover on pro-top. PVC well also needs a cap. See attached photo.

LHW-4B Total Well Depth: 49.00ft
Depth to liquid: 48.87ft

NOTES: Attempted to develop with waterra pump, and was limited by the lack of water. Tried to advance disposable bailer but bailer became lodged approximately 12ft below grade. PVC casing needs to be cut, or pro-top reset to lock. See attached photo.

LHW-5B Total Well Depth: 38.30ft
Depth to liquid: 37.73ft

NOTES: Attempted to develop with waterra pump, and was limited by the lack of water. Tried to advance disposable bailer but bailer became lodged below grade. PVC casing needs to be cut, or pro-top reset to lock. See attached photo.

LHW-6B Total Well Depth: 30.18ft
Depth to liquid: 26.83ft

NOTES: Tried to advance disposable bailer but bailer became lodged below grade. Attempted to develop with waterra pump, foot valve would not seat due to course sand, which appeared to be filter pack sand. PVC casing needs to be cut, or pro-top reset to lock. See attached photo.

Photo 1 LHW-1A

Photo 2 LHW-1B

Photo 3 LHW-2A

Photo 4 LHW-2B

Photo 5 LHW-3A

Photo 6 LHW-3BR

Photo 7 LHW-4A

Photo 8 LHW-4B

Photo 9 LHW-5A

Photo 10 LHW-5B

Photo 11 LHW-6A

Photo 12 LHW-6B

Leachate Head Well Repair Summary – Sector 1

Daily Field Log

Project: ADS Seven Mile Creek Landfill, Eau Claire, WI.
Project Number: 135733
Date: 9/27/16

Personal On-site: Mike Rohlik (SEH)
Recorder: Mike Rohlik

Site Activities:
Cut Sector 1 LHW risers, as applicable so they can be capped/covered by protective protop.

LHW-1A NA

NOTES: Does not have protective pro-top.

LHW-2A Total Well Depth after cutting casing: 42.63ft
Depth to liquid after cutting casing: 42.30ft

NOTES: Cut 1.01 ft off riser. Protop cover clasp and hinge needs to be removed to place steel cap on protop. Well is fitted with PVC cap.

LHW-3A Total Well Depth after cutting casing: 34.88ft
Depth to liquid after cutting casing: 29.68ft

NOTES: Cut 0.91 ft off riser. Well is fitted with PVC cap.

LHW-4A Total Well Depth after cutting casing: 52.51ft
Depth to liquid after cutting casing: 52.34ft

NOTES: Cut 2.56 ft off riser. Well is fitted with PVC cap.

LHW-5A NA

NOTES: No issues with casing or pro-top.

LHW-6A Total Well Depth after cutting casing: 32.78ft
Depth to liquid after cutting casing: 24.65ft

NOTES: Cut 0.18 ft off riser. Well is fitted with PVC cap.

LHW-1B Total Well Depth after cutting casing: 38.2ft
Depth to liquid after cutting casing: 36.72ft

NOTES: Cut 0.40 ft off riser. Well is fitted with PVC cap.

LHW-2B Total Well Depth after cutting casing: 39.28ft
Depth to liquid after cutting casing: 33.34ft

NOTES: Cut 0.22 ft off riser. Well is fitted with PVC cap.

LHW-3BR Total Well Depth after cutting casing: 28.38ft
Depth to liquid after cutting casing: 16.45ft

NOTES: Cut 0.21 ft off riser. Well is fitted with PVC cap.

LHW-4B Total Well Depth after cutting casing: 45.32ft
Depth to liquid after cutting casing: 40.38ft

NOTES: Cut 1.53 ft off riser. Well is fitted with PVC cap.

LHW-5B Total Well Depth after cutting casing: 37.77ft
Depth to liquid after cutting casing: 36.18ft

NOTES: Cut 0.43 ft off riser. Well is fitted with PVC cap.

LHW-6B Total Well Depth after cutting casing: 29.45ft
Depth to liquid after cutting casing: 27.02ft

NOTES: Cut 0.60 ft off riser. Well is fitted with PVC cap

Appendix D

Facility Maintenance and Inspections

Attachment D-1

Maintenance and Repair Summary

Advanced Disposal Services
Seven Mile Creek Landfill

Maintenance and Repair Summary

Mon-Yr	Sector	Component or Location	Maintenance/ Repairs Conducted
Jan-16	1 & 2	Wellfield	Conducted wellfield improvements (i.e. wellhead, Kanaflex, sample port, and valve replacements).
Feb-16	1 & 2	Wellfield	Conducted wellfield improvements (i.e. wellhead, Kanaflex, sample port, and valve replacements).
Mar-16	2	Wellfield	Abandoned three supplemental gas extraction points (S2P08OC1, S2P08OC2, and S2P01OC2) and installed gas extraction well SEC2GW60. (03/09/16)
Mar-16	2	Wellfield	Installed two gas extraction wells (SEC2GW53 and SEC2GW64). (03/10/16)
Mar-16	2	Wellfield	Installed three gas extraction wells (SEC2GW45, SEC2GW62A, and SEC2GW63) (03/11/16)
Apr-16	2	Phases 4, 5, 11, & 12	Repaired seeps and area of erosion over GW-22A and GW-23A noted in monthly inspection.
Apr-16	1 & 2	Blower/Flare	Repaired pipe in dripleg manhole. (04/08/16)
Apr-16	1 & 2	Wellfield	Installed new valves and repaired a header pipe. (04/12/16)
Apr-16	1 & 2	Blower/Flare	Cleaned dripleg pipe, installed loaner flow meters, and sent facility's flow meters out for annual factory calibration. (04/29/16)
May-16	2	Phases 3 & 11	Repaired seeps noted in monthly inspection.
May-16	1 & 2	Blower/Flare	Inspected the dripleg and header for blockage. (05/02/16)
Jun-16	1 & 2	Blower/Flare	Installed factory calibrated flow meters. (06/14/16)
Jun-16	2	Manholes	Abandoned two manholes (SEC2MH17 and SEC2MH18). (06/15/16)
Aug-16	2	South Slope and Phases 1 & 2	Repaired erosion on the south slope and intermediate cover on Phases 1 and 2 noted in the monthly inspection. Removed silt at south slope diversion berm noted in the monthly inspection. (08/05/16)
Sep-16	2	Wellfield	Conducted maintenance on gas extraction well SC2GW11B panel. (09/12/17)
Sep-16	2	Wellfield	Replaced pump float on gas extraction well SEC2GW18. (09/13/16)
Sep-16	2	Wellfield	Replaced pump in gas extraction well SEC2GW41 and replaced pump control panel at SEC2GW44. (09/15/16)
Sep-16	1	Head wells	SEH conducted leachate head well repairs (09/27/16)
Oct-16	2	Sump 7	Pumped Sump 7 daily. Site personnel and EPG repaired pump/transducer issue in Sump 7.
Oct-16	2	Wellfield	Cleaned three gas extraction well heads (SC2GW10B, SEC2GW20, and SC2GW61A). (10/24/16)
Nov-16	2	Wellfield	Abandoned supplemental gas extraction point S2P8OC11. (11/16/16)
Nov-16	1	Wellfield	Thawed gas extraction well SEC1GW11 and replaced Kanaflex hoses at three gas extraction wells (SEC1GW01, SEC1GW02, and SEC1GW05). (11/28/16)
Dec-16	2	Wellfield	Replaced pump in gas extraction well SC2GW27A. (12/08/16)
Dec-16	1 & 2	Blower/Flare	Replaced nitrogen tank. (12/19/16)
Dec-16	2	Wellfield	Thawed and cleaned gas extraction wells (SEC2GW04, SC2GW14A, and SEC2GW42). (12/28/16)
Dec-16	2	Wellfield	Thawed and cleaned gas extraction wells (SEC2GW08, SEC2GW12R/A, SEC2GW39, and SEC2GW41). (12/29/16)

Attachment D-2

Site Inspection Forms:

Monthly Spill Prevention Inspection Checklist

Quarterly Inspection Checklist

Annual Facility Site Compliance Inspection Report

Monthly Cover Integrity Inspection Logs

Cover to lock fuel pump.

ATTACHMENT A – MONTHLY INSPECTION CHECKLIST
Seven Mile Creek Landfill - Year: 2016

Complete this inspection checklist *each month* for all tanks and containers indicated. Check off each item for each source if the statement is true. Provide further description and comments. *Any item that is not checked as true shall be described and addressed immediately.*

AST1, Tank Areas and Piping	Month											
	1	2	3	4	5	6	7	8	9	10	11	12
Tank surfaces show no signs of leakage	T	T	T	T	T	T	T	T	T	T	T	T
Tank shows no signs of damage, rust, or deterioration	T	T	T	T	T	T	T	T	T	T	T	T
There is no damage to bolts, rivets, or seams	T	T	T	T	T	T	T	T	T	T	T	T
Level gauge or alarm is working properly	T	T	T	T	T	T	T	T	T	T	T	T
Tank area is not obstructed	T	T	T	T	T	T	T	T	T	T	T	T
There is no water/oil in interstice of double-walled tank	T	T	T	T	T	T	T	T	T	T	T	T
Pumps and valves are locked	T	T	T	T	T	T	T	T	T	T	T	T
There is no oil present in the secondary containment	T	T	T	T	T	T	T	T	T	T	T	T
There are no signs of leakage or deterioration to pipelines and connections	T	T	T	T	T	T	T	T	T	T	T	T
There are no signs of leakage or deterioration to concrete pad or ground below tank	T	T	T	T	T	T	T	T	T	T	T	T
There are no signs of damage or staining to the containment structure	T	T	T	T	T	T	T	T	T	T	T	T
Tank area is not obstructed by equipment, vegetation, or waste debris	T	T	T	T	T	T	T	T	T	T	T	T

Portable Container Storage Areas (D1, TOTE1)	Month											
	1	2	3	4	5	6	7	8	9	10	11	12
Containers or drums show no signs of leakage, deterioration, or distortion.	T	T	T	T	T	T	T	T	T	T	T	T
Containers or drums show no signs of spillage on their tops, sides, or surrounding ground	T	T	T	T	T	T	T	T	T	T	T	T
No excess materials or waste debris are stacked on containers or drums	T	T	T	T	T	T	T	T	T	T	T	T
Container or drum lids are tightly closed	T	T	T	T	T	T	T	T	T	T	T	T
Containers or drums are labeled and are not outdated	T	T	T	T	T	T	T	T	T	T	T	T
Container or drum area is not obstructed by equipment, vegetation, or waste debris	T	T	T	T	T	T	T	T	T	T	T	T
Containers or drums are within designated storage area	T	T	T	T	T	T	T	T	T	T	T	T

Spill Kits	Month											
	1	2	3	4	5	6	7	8	9	10	11	12
Spill kits are full and do not require replenishment of response materials	T	T	T	T	T	T	T	T	T	T	T	T

ATTACHMENT A – MONTHLY INSPECTION CHECKLIST (CONTINUED)
Seven Mile Creek Landfill - Year: 2016

Month	Source/Area	Note

Check off under each source name after it has been inspected for the current month. After you complete your inspection of the oil sources, sign and date the table below.

Month	AST1	D1	TOTE1	Signature	Date
January	✓	✓	NA	John D. Mott	1/14/16
February	✓	✓	NA	John D. Mott	2/9/16
March	✓	✓	NA	John D. Mott	3/25/16
April	✓	✓	NA	John D. Mott	4/25/16
May	✓	✓	NA	John D. Mott	5/3/16
June	✓	✓	NA	John D. Mott	6/13/16
July	✓	✓	NA	John D. Mott	7/26/16
August	✓	✓	NA	John D. Mott	8/31/16
September	✓	✓	NA	John D. Mott	9/20/16
October	✓	✓	NA	John D. Mott	10/19/16
November	✓	✓	NA	John D. Mott	11/22/16
December	✓	✓	NA	John D. Mott	12-27-16

ATTACHMENT B
Quarterly Facility SWPPP Inspection Form
Advanced Disposal Services Seven Mile Creek Landfill

Location: Seven Mile Creek Landfill Eau Claire, WI	Inspector (print name): Josh Malek
Date: 2/12/16	Signature: Joshua D. Malek
Time: 3:30 pm	Weather: 9° overcast windy

Objectives:

- To identify sources of storm water pollution
- To verify BMP implementation
- To determine if significant facility changes require an update to the SWPPP

Key:
Y = Yes
N = No
NA = Not Applicable

Best Management Practice (BMP) Inspection

Activity or Area	Potential Significant Material Exposure(s)?	BMPs Implemented and Maintained?	New BMP Required?	Discharges Observed (ponding, drainage)?	Summary Notes
Leachate Loadout Pad	Y N NA	Y N NA	Y N NA	Y N NA	
Aboveground Leachate Tank Containment Pad	Y N NA	Y N NA	Y N NA	Y N NA	
Indoor ASTs in Maintenance Shop	Y N NA	Y N NA	Y N NA	Y N NA	
Fuel Delivery and Unloading	Y N NA	Y N NA	Y N NA	Y N NA	

ATTACHMENT B (CONTINUED)
Quarterly Facility SWPPP Inspection Form
Advanced Disposal Services Seven Mile Creek Landfill

Best Management Practice (BMP) Inspection					
Activity or Area	Potential Significant Material Exposure(s)?	BMPs Implemented and Maintained?	New BMP Required?	Discharges Observed (ponding, drainage)?	Summary Notes
Vehicle Fueling	Y N NA	Y N NA	Y N NA	Y N NA	
Waste Storage (for waste generated by SMCL)	Y N NA	Y N NA	Y N NA	Y N NA	
Soil Stockpiles	Y N NA	Y N NA	Y N NA	Y N NA	
Sanitary Landfill Operations	Y N NA	Y N NA	Y N NA	Y N NA	
Access Roads	Y N NA	Y N NA	Y N NA	Y N NA	
Public Drop-off Storage	Y N NA	Y N NA	Y N NA	Y N NA	
General Housekeeping	Y N NA	Y N NA	Y N NA	Y N NA	
Composting Operations	Y N NA	Y N NA	Y N NA	Y N NA	
Material and Equipment Storage Areas	Y N NA	Y N NA	Y N NA	Y N NA	

ATTACHMENT B (CONTINUED)
Quarterly Facility SWPPP Inspection Form
Advanced Disposal Services Seven Mile Creek Landfill

Best Management Practice (BMP) Inspection					
Activity or Area	Potential Significant Material Exposure(s)?	BMPs Implemented and Maintained?	New BMP Required?	Discharges Observed (ponding, drainage)?	Summary Notes

If discharges were observed, describe the discharge and list any potential sources of non-storm water discharge below.

None

ATTACHMENT B (CONTINUED)
Quarterly Facility SWPPP Inspection Form
Advanced Disposal Services Seven Mile Creek Landfill

Outfall Inspection						
Outfall Number (see Figure 1 and Table 1 for descriptions and locations)	**Discharge Flow Present?**	**If so, is there a sheen or discoloration?**	**Turbidity**	**Floating Material (other than oil/grease)**	**Unusual Odors?**	**Comments**
Outfall SW-1 (southeast sedimentation basin)	Y N	Y N NA	Minimal Moderate High	Y N	Y N	
Outfall SW-2 (south sedimentation basin)	Y N	Y N NA	Minimal Moderate High	Y N	Y N	
Outfall SW-3 (west infiltration basin immediately south of public drop-off area)	Y N	Y N NA	Minimal Moderate High	Y N	Y N	
Outfall SW-4 (west infiltration basin south of Outfall SW-3 infiltration basin)	Y N	Y N NA	Minimal Moderate High	Y N	Y N	
Outfall SW-5 (north infiltration basin)	Y N	Y N NA	Minimal Moderate High	Y N	Y N	
Outfall SW-6 (southwest sedimentation basin)	Y N	Y N NA	Minimal Moderate High	Y N	Y N	
Outfall SW-7 Temp (Partially constructed northeast sedimentation basin)	Y N	Y N NA	Minimal Moderate High	Y N	Y N	
Outfall SW-7 (northeast infiltration basin)	Y N	Y N NA	Minimal Moderate High	Y N	Y N	
Outfall SW-8 (maintenance building area infiltration basin)	Y N	Y N NA	Minimal Moderate High	Y N	Y N	

ATTACHMENT B
Quarterly Facility SWPPP Inspection Form
Advanced Disposal Services Seven Mile Creek Landfill

Location: Seven Mile Creek Landfill Eau Claire, WI	Inspector (print name): Josh Malek
Date: 5/3/16	Signature: Josh D Malek
Time: 2:00	Weather: 68° Sunny

Objectives:

- To identify sources of storm water pollution
- To verify BMP implementation
- To determine if significant facility changes require an update to the SWPPP

Key:
Y = Yes
N = No
NA = Not Applicable

Best Management Practice (BMP) Inspection

Activity or Area	Potential Significant Material Exposure(s)?	BMPs Implemented and Maintained?	New BMP Required?	Discharges Observed (ponding, drainage)?	Summary Notes
Leachate Loadout Pad	Y (N) NA	(Y) N NA	Y (N) NA	Y (N) NA	
Aboveground Leachate Tank Containment Pad	Y (N) NA	(Y) N NA	Y (N) NA	Y (N) NA	
Indoor ASTs in Maintenance Shop	Y (N) NA	(Y) N NA	Y (N) NA	Y (N) NA	
Fuel Delivery and Unloading	Y (N) NA	(Y) N NA	Y (N) NA	Y (N) NA	

ATTACHMENT B (CONTINUED)
Quarterly Facility SWPPP Inspection Form
Advanced Disposal Services Seven Mile Creek Landfill

Best Management Practice (BMP) Inspection					
Activity or Area	Potential Significant Material Exposure(s)?	BMPs Implemented and Maintained?	New BMP Required?	Discharges Observed (ponding, drainage)?	Summary Notes
Vehicle Fueling	Y N NA	Y N NA	Y N NA	Y N NA	
Waste Storage (for waste generated by SMCL)	Y N NA	Y N NA	Y N NA	Y N NA	
Soil Stockpiles	Y N NA	Y N NA	Y N NA	Y N NA	
Sanitary Landfill Operations	Y N NA	Y N NA	Y N NA	Y N NA	
Access Roads	Y N NA	Y N NA	Y N NA	Y N NA	
Public Drop-off Storage	Y N NA	Y N NA	Y N NA	Y N NA	
General Housekeeping	Y N NA	Y N NA	Y N NA	Y N NA	
Composting Operations	Y N NA	Y N NA	Y N NA	Y N NA	
Material and Equipment Storage Areas	Y N NA	Y N NA	Y N NA	Y N NA	

ATTACHMENT B (CONTINUED)
Quarterly Facility SWPPP Inspection Form
Advanced Disposal Services Seven Mile Creek Landfill

Best Management Practice (BMP) Inspection					
Activity or Area	Potential Significant Material Exposure(s)?	BMPs Implemented and Maintained?	New BMP Required?	Discharges Observed (ponding, drainage)?	Summary Notes

If discharges were observed, describe the discharge and list any potential sources of non-storm water discharge below.

None

ATTACHMENT B (CONTINUED)
Quarterly Facility SWPPP Inspection Form
Advanced Disposal Services Seven Mile Creek Landfill

Outfall Inspection						
Outfall Number (see Figure 1 and Table 1 for descriptions and locations)	**Discharge Flow Present?**	**If so, is there a sheen or discoloration?**	**Turbidity**	**Floating Material (other than oil/grease)**	**Unusual Odors?**	**Comments**
Outfall SW-1 (southeast sedimentation basin)	Y N	Y N NA	Minimal Moderate High	Y N	Y N	
Outfall SW-2 (south sedimentation basin)	Y N	Y N NA	Minimal Moderate High	Y N	Y N	
Outfall SW-3 (west infiltration basin immediately south of public drop-off area)	Y N	Y N NA	Minimal Moderate High	Y N	Y N	
Outfall SW-4 (west infiltration basin south of Outfall SW-3 infiltration basin)	Y N	Y N NA	Minimal Moderate High	Y N	Y N	
Outfall SW-5 (north infiltration basin)	Y N	Y N NA	Minimal Moderate High	Y N	Y N	
Outfall SW-6 (southwest sedimentation basin)	Y N	Y N NA	Minimal Moderate High	Y N	Y N	
Outfall SW-7 Temp (Partially constructed northeast sedimentation basin)	Y N	Y N NA	Minimal Moderate High	Y N	Y N	
Outfall SW-7 (northeast infiltration basin)	Y N	Y N NA	Minimal Moderate High	Y N	Y N	
Outfall SW-8 (maintenance building area infiltration basin)	Y N	Y N NA	Minimal Moderate High	Y N	Y N	

ATTACHMENT B
Quarterly Facility SWPPP Inspection Form
Advanced Disposal Services Seven Mile Creek Landfill

Location: Seven Mile Creek Landfill Eau Claire, WI	Inspector (print name): Joshua D. Malek
Date: 8/15/16	Signature: [signature]
Time: 12:00	Weather: 81° Sunny

Objectives:

- To identify sources of storm water pollution
- To verify BMP implementation
- To determine if significant facility changes require an update to the SWPPP

Key:
Y = Yes
N = No
NA = Not Applicable

Best Management Practice (BMP) Inspection

Activity or Area	Potential Significant Material Exposure(s)?	BMPs Implemented and Maintained?	New BMP Required?	Discharges Observed (ponding, drainage)?	Summary Notes
Leachate Loadout Pad	Y (N) NA	(Y) N NA	Y (N) NA	Y (N) NA	
Aboveground Leachate Tank Containment Pad	Y (N) NA	(Y) N NA	Y (N) NA	Y (N) NA	
Indoor ASTs in Maintenance Shop	Y (N) NA	(Y) N NA	Y (N) NA	Y (N) NA	
Fuel Delivery and Unloading	Y (N) NA	(Y) N NA	Y (N) NA	Y (N) NA	

ATTACHMENT B (CONTINUED)
Quarterly Facility SWPPP Inspection Form
Advanced Disposal Services Seven Mile Creek Landfill

Best Management Practice (BMP) Inspection					
Activity or Area	Potential Significant Material Exposure(s)?	BMPs Implemented and Maintained?	New BMP Required?	Discharges Observed (ponding, drainage)?	Summary Notes
Vehicle Fueling	Y N NA	Y N NA	Y N NA	Y N NA	
Waste Storage (for waste generated by SMCL)	Y N NA	Y N NA	Y N NA	Y N NA	
Soil Stockpiles	Y N NA	Y N NA	Y N NA	Y N NA	
Sanitary Landfill Operations	Y N NA	Y N NA	Y N NA	Y N NA	
Access Roads	Y N NA	Y N NA	Y N NA	Y N NA	
Public Drop-off Storage	Y N NA	Y N NA	Y N NA	Y N NA	
General Housekeeping	Y N NA	Y N NA	Y N NA	Y N NA	
Composting Operations	Y N NA	Y N NA	Y N NA	Y N NA	
Material and Equipment Storage Areas	Y N NA	Y N NA	Y N NA	Y N NA	

ATTACHMENT B (CONTINUED)
Quarterly Facility SWPPP Inspection Form
Advanced Disposal Services Seven Mile Creek Landfill

Best Management Practice (BMP) Inspection					
Activity or Area	Potential Significant Material Exposure(s)?	BMPs Implemented and Maintained?	New BMP Required?	Discharges Observed (ponding, drainage)?	Summary Notes

If discharges were observed, describe the discharge and list any potential sources of non-storm water discharge below.

None

ATTACHMENT B (CONTINUED)
Quarterly Facility SWPPP Inspection Form
Advanced Disposal Services Seven Mile Creek Landfill

Outfall Inspection						
Outfall Number (see Figure 1 and Table 1 for descriptions and locations)	**Discharge Flow Present?**	**If so, is there a sheen or discoloration?**	**Turbidity**	**Floating Material (other than oil/grease)**	**Unusual Odors?**	**Comments**
Outfall SW-1 (southeast sedimentation basin)	Y N	Y N NA	Minimal Moderate High	Y N	Y N	
Outfall SW-2 (south sedimentation basin)	Y N	Y N NA	Minimal Moderate High	Y N	Y N	
Outfall SW-3 (west infiltration basin immediately south of public drop-off area)	Y N	Y N NA	Minimal Moderate High	Y N	Y N	
Outfall SW-4 (west infiltration basin south of Outfall SW-3 infiltration basin)	Y N	Y N NA	Minimal Moderate High	Y N	Y N	
Outfall SW-5 (north infiltration basin)	Y N	Y N NA	Minimal Moderate High	Y N	Y N	
Outfall SW-6 (southwest sedimentation basin)	Y N	Y N NA	Minimal Moderate High	Y N	Y N	
Outfall SW-7 Temp (Partially constructed northeast sedimentation basin)	Y N	Y N NA	Minimal Moderate High	Y N	Y N	
Outfall SW-7 (northeast infiltration basin)	Y N	Y N NA	Minimal Moderate High	Y N	Y N	
Outfall SW-8 (maintenance building area infiltration basin)	Y N	Y N NA	Minimal Moderate High	Y N	Y N	

ATTACHMENT B
Quarterly Facility SWPPP Inspection Form
Advanced Disposal Services Seven Mile Creek Landfill

Location: Seven Mile Creek Landfill Eau Claire, WI	Inspector (print name): Joshua D. Malek
Date: 10/20/16	Signature: Joshua D Malek
Time: 1:00 pm	Weather: 75° Sunny

Objectives:

- To identify sources of storm water pollution
- To verify BMP implementation
- To determine if significant facility changes require an update to the SWPPP

Key:
Y = Yes
N = No
NA = Not Applicable

Best Management Practice (BMP) Inspection

Activity or Area	Potential Significant Material Exposure(s)?	BMPs Implemented and Maintained?	New BMP Required?	Discharges Observed (ponding, drainage)?	Summary Notes
Leachate Loadout Pad	Y (N) NA	(Y) N NA	Y (N) NA	Y (N) NA	
Aboveground Leachate Tank Containment Pad	Y (N) NA	(Y) N NA	Y (N) NA	Y (N) NA	
Indoor ASTs in Maintenance Shop	Y (N) NA	(Y) N NA	Y (N) NA	Y (N) NA	
Fuel Delivery and Unloading	Y (N) NA	(Y) N NA	Y (N) NA	Y (N) NA	

ATTACHMENT B (CONTINUED)
Quarterly Facility SWPPP Inspection Form
Advanced Disposal Services Seven Mile Creek Landfill

Best Management Practice (BMP) Inspection					
Activity or Area	Potential Significant Material Exposure(s)?	BMPs Implemented and Maintained?	New BMP Required?	Discharges Observed (ponding, drainage)?	Summary Notes
Vehicle Fueling	Y N NA	Y N NA	Y N NA	Y N NA	
Waste Storage (for waste generated by SMCL)	Y N NA	Y N NA	Y N NA	Y N NA	
Soil Stockpiles	Y N NA	Y N NA	Y N NA	Y N NA	
Sanitary Landfill Operations	Y N NA	Y N NA	Y N NA	Y N NA	
Access Roads	Y N NA	Y N NA	Y N NA	Y N NA	
Public Drop-off Storage	Y N NA	Y N NA	Y N NA	Y N NA	
General Housekeeping	Y N NA	Y N NA	Y N NA	Y N NA	
Composting Operations	Y N NA	Y N NA	Y N NA	Y N NA	
Material and Equipment Storage Areas	Y N NA	Y N NA	Y N NA	Y N NA	

ATTACHMENT B (CONTINUED)
Quarterly Facility SWPPP Inspection Form
Advanced Disposal Services Seven Mile Creek Landfill

Best Management Practice (BMP) Inspection					
Activity or Area	Potential Significant Material Exposure(s)?	BMPs Implemented and Maintained?	New BMP Required?	Discharges Observed (ponding, drainage)?	Summary Notes

If discharges were observed, describe the discharge and list any potential sources of non-storm water discharge below.

None observed

ATTACHMENT B (CONTINUED)
Quarterly Facility SWPPP Inspection Form
Advanced Disposal Services Seven Mile Creek Landfill

Outfall Inspection						
Outfall Number (see Figure 1 and Table 1 for descriptions and locations)	**Discharge Flow Present?**	**If so, is there a sheen or discoloration?**	**Turbidity**	**Floating Material (other than oil/grease)**	**Unusual Odors?**	**Comments**
Outfall SW-1 (southeast sedimentation basin)	Y N	Y N NA	Minimal Moderate High	Y N	Y N	
Outfall SW-2 (south sedimentation basin)	Y N	Y N NA	Minimal Moderate High	Y N	Y N	
Outfall SW-3 (west infiltration basin immediately south of public drop-off area)	Y N	Y N NA	Minimal Moderate High	Y N	Y N	
Outfall SW-4 (west infiltration basin south of Outfall SW-3 infiltration basin)	Y N	Y N NA	Minimal Moderate High	Y N	Y N	
Outfall SW-5 (north infiltration basin)	Y N	Y N NA	Minimal Moderate High	Y N	Y N	
Outfall SW-6 (southwest sedimentation basin)	Y N	Y N NA	Minimal Moderate High	Y N	Y N	
Outfall SW-7 Temp (Partially constructed northeast sedimentation basin)	Y N	Y N NA	Minimal Moderate High	Y N	Y N	
Outfall SW-7 (northeast infiltration basin)	Y N	Y N NA	Minimal Moderate High	Y N	Y N	
Outfall SW-8 (maintenance building area infiltration basin)	Y N	Y N NA	Minimal Moderate High	Y N	Y N	

State of Wisconsin
Department of Natural Resources
dnr.wi.gov

Annual Facility Site Compliance Inspection Report (AFSCI)

For Storm Water Discharges Associated With Industrial Activity Under Wisconsin Pollutant Discharge Elimination System (WPDES) Permit

Form 3400-176 (R 8/10)

Notice: This form is authorized by s. NR 216.29(2), Wis. Adm. Code. Submittal of a completed form to the Department is mandatory for industrial facilities covered under a Tier 1 storm water general permit. Facilities covered under a Tier 1 permit are not required to submit AFSCI reports after submittal of the second AFSCI report, unless so directed by the Department. However, these inspections and quarterly visual inspections shall still be conducted and results shall be kept on site for Department inspection. Facilities covered under a Tier 2 storm water general, industry-specific general or individual permit shall keep the results of their AFSCI and quarterly visual inspections on site for Department inspection. Failure to comply with these regulations may result in fines up to $25,000 per day pursuant to s. 283.91, Wis. Stats. Personally identifiable information on this form may be used for other water quality program purposes.

Please type or c ear1 y prmt your answers to all questions.

Section I: Facility/Site Information

Facility/Site Name (As Appears on Permit Authorization): Advanced Disposal Services Seven Mile Creek Landfill, LLC	County: Eau Claire
Location Address/Description (if different from mailing address below): 8001 Olson Rd.	State: WI / ZIP Code: 54703
Municipality: Eau Claire WI — ☒ City ☐ Village ☐ Township	Facility Identification (FID) and/or FIN Number (if known) — FID: FIN:

Section II: Facility/Site Contact Person

Local Contact Person: Mark W. Vinall	Mailing Address (if different than site location address):
Title: G.M.	Municipality (if different than above):
Telephone (include area code): 715-858-9105	State: WI / ZIP Code (if different than above):
E-mail address or Website (if applicable): mark.vinall@advanceddisposal.com	Fax (include area code): 715-830-0285

Section III: Certification & Signature (Person attesting to the accuracy and completeness of Annual Facility Site Compliance Inspection Report.)

This form must be signed by an official representative of the permitted facility in accordance with s. NR 216.22(7), Wis. Adm. Code. See instructions on page 4. If this form is not signed, or is found to be incomplete, it will be returned

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Signature of Authorized Representative	Telephone Number (include area code)		
Type or Print Name	Company Name		
Position Title	Mailing Address		
Date Signed	Municipality	State	ZIP Code

How to Use this Form:

The first level of storm water monitoring consists of a comprehensive annual facility site compliance inspection (AFSCI) to determine if your facility is operating in compliance with your Storm Water Pollution Prevention Plan (SWPPP). You should use the results of this inspection to determine the extent to which your SWPPP needs to be updated to prevent pollution from new source areas, as well as to correct any inadequacies that the plan may have in handling existing source areas. This first level of monitoring is addressed in Section IV of this Annual Report on page 2.

. second level of storm water monitoring consists of quarterly visual observations of storm water leaving the site during runoff events caused by snow-melt or rainfall. This is a practical, low cost tool for identifying obvious contamination of storm water discharges, and can also help identify which practices are ineffective. The goal of quarterly inspections is to obtain results from a set of four inspections that are distributed as evenly as possible throughout the year and which depict runoff quality during each of the four seasons. This second level of monitoring is addressed in Section V of this Annual Report on page 3.

ection IV: Annual Facility Site Compliance Inspection

The Annual Facility Site Compliance Inspection shall be adequate to verify that: your Storm Water Pollution Prevention Plan (SWPPP) remains current; potential pollution sources at your facility are identified; the facility site map and drainage map remain accurate; and that the Best Management Practices prescribed in your SWPPP are being implemented, properly operated, and adequately maintained.

Name of Person Conducting Inspection: Mark W. Vinull

Inspection Date: 10/20/16

Employer: Advanced Disposal Services

Telephone Number: 715-858-9105

Your inspection should start with a review of your written SWPPP kept at your facility. The SWPPP should be amended if, through these inspections you find that the provisions in your SWPPP are ineffective in controlling contaminated storm water from being discharged from your facility.

1.	Has your SWPPP been updated to include current Non-Storm Water Discharge Evaluation results?	O Yes	O No	Ø N/A
2.	Has your SWPPP been amended for any new construction that would affect the site map or drainage conditions at the facility?	O Yes	Ø No	O N/A
3.	Has your SWPPP been amended for any changes in facility operations that could be identified as new source areas for contamination of storm water?	O Yes	Ø No	O N/A
4.	Are there any materials at the facility that are handled, stored, or disposed in a manner to allow exposure to storm water that are not currently addressed in your SWPPP?	O Yes	Ø No	O N/A
5.	Are there any maintenance or material handling activities conducted outdoors that have not been addressed in your SWPPP?	O Yes	Ø No	O N/A
6.	Are outside areas kept in a neat and orderly condition?	Ø Yes	O No	O N/A
	Are regular housekeeping inspections made?	Ø Yes	O No	O N/A
8.	Do you see spots, pools, puddles, or other traces of oils, grease, or other chemicals on the ground?	O Yes	Ø No	O N/A
9.	Are particulates on the ground from industrial operations or processes being controlled?	Ø Yes	O No	O N/A
10.	Do you see leaking equipment, pipes or containers?	O Yes	Ø No	O N/A
11.	Do drips, spills, or leaks occur when materials are being transferred from one source to another?	O Yes	Ø No	O N/A
12.	Are drips or leaks from equipment or machinery being controlled?	Ø Yes	O No	O N/A
13.	Are cleanup procedures used for spilled solids?	Ø Yes	O No	O N/A
14.	Are absorbent materials (floor dry, kitty litter, etc.) regularly used in certain areas to absorb spills?	Ø Yes	O No	O N/A
15.	Can you find discoloration, residue, or corrosion on the roof or around vents or pipes that ventilate or drain work areas?	O Yes	Ø No	O N/A
16.	Are Best Management Practices implemented to reduce or eliminate contamination of storm water from source areas at the facility?	Ø Yes	O No	O N/A
17.	Are Best Management Practices adequately maintained?	Ø Yes	O No	O N/A
18.	Are there significant changes to your SWPPP needed to correct plan inadequacies to effectively control a discharge of contaminated storm water from your facility?	O Yes	Ø No	O N/A

mments:

1) Identified some minor changes to Figure 1 to include labeling stockpile area, new Phase 13a construction and a portion of outfall #4 seal basin redesign.

2) Do not use tank #2 on Table 2. will Reuse

3) Updated Compliance Officer info.

ection V: Quarterly Visual Inspection Reports

Quarterly Visual Inspections at each storm water discharge outfall on your site can be a valuable assessment tool and are required by the Tier 1, Tier 2, and Nonmetallic Mining Industrial Storm Water General Permits. These inspections should be performed when sufficient runoff occurs during daylight hours. Try to make observations within the first 30 minutes after runoff begins discharging from the outfall or soon thereafter as practical, but no later than 60 minutes. If you find visible pollution, note the probable source and list any possible Best Management Practices that could be used to reduce or eliminate the problem. Make any necessary changes to your Storm Water Pollution Prevention Plan as needed. If you were unable to evaluate an outfall during a specific quarter, this should be indicated along with a reason as to why this could not be done.

	Date of Inspection			
Outfall Number	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter
SW-1	2/12/16	5/3/16	8/15/16	10/20/16
SW-2	↓	↓	↓	↓
SW-3	↓	↓	↓	↓
SW-4	↓	↓	↓	↓
SW-5	↓	↓	↓	↓
SW-6	↓	↓	↓	↓
SW-7	↓	↓	↓	↓

Briefly summarize what you found when conducting your Quarterly Visual Inspections. (Include any observations of color, odor, turbidity, floating solids, foam, oil sheen, or any other indications of storm water pollution and the probable sources of any observed storm water contamination.)

Attachment D-3

Monitoring Well, Lysimeter, and Leachate Head Well
Condition Reports

Monitoring Well, Gas Probe, Lysimeter, and Leachate Head Well Condition Report - April 2016
ADS Seven Mile Creek Landfill - Eau Claire, WI

Common Well Name	WDNR Well ID	Well Association	Well Labeled Common Name	Well Labeled WDNR ID	Well Cap Present	Well Casing Condition	Protective Casing Condition	Well Lock	Key Number	Access/Trail condition
Groundwater Monitoring Wells										
DH-16A	136	Sector 1	YES	YES	YES	GOOD	GOOD	YES	2532	GOOD
DH-16	134	Sector 1	YES	YES	YES	GOOD	GOOD	YES	2532	GOOD
DH-21A	154	Sector 1	YES	YES	YES	GOOD	GOOD	YES	2532	Trail needs clearing
DH-21	152	Sector 1	YES	YES	YES	GOOD	GOOD	YES	2532	Trail needs clearing
DH-10	008	Sector 1	YES	YES	YES	GOOD	GOOD	YES	2532	No trail exists
DH-10A	120	Sector 1	YES	YES	YES	GOOD	GOOD	YES	2532	No trail exists
DH-8	006	Sector 1	YES	YES	YES	GOOD	GOOD	YES	2532	GOOD
DH-42A	158	Sector 1	YES	YES	YES	GOOD	GOOD	YES	2121	Trail needs clearing
DH-42	156	Sector 1	YES	YES	YES	GOOD	GOOD	YES	2121	Trail needs clearing
DH-19A	146	Sector 1	YES	YES	YES	GOOD	GOOD	YES	2532	Trail needs clearing
DH-19	144	Sector 1	YES	YES	YES	GOOD	GOOD	YES	2532	Trail needs clearing
DH-15	130	Sector 1	YES	YES	YES	GOOD	GOOD	YES	2532	Trail needs clearing
DH-15A	132	Sector 1	YES	YES	YES	GOOD	GOOD	YES	2532	Trail needs clearing
DH-11R	125	Sector 1	YES	YES	YES	GOOD	GOOD	YES	2532	GOOD
DH-9	007	Sector 1	YES	YES	YES	GOOD	GOOD	YES	2532	GOOD
DH-7	005	Sector 1	YES	YES	YES	GOOD	GOOD	YES	2532	No trail exists
DH-4R	003	Sector 1/2	YES	YES	YES	GOOD	GOOD	YES	2532	GOOD
DH-1	001	Sector 2	YES	YES	YES	GOOD	GOOD	YES	2532	GOOD
DH-22B	160	Sector 2	YES	YES	YES	GOOD	GOOD	YES	2121	GOOD
DH-22A	158	Sector 2	YES	YES	YES	GOOD	GOOD	YES	2121	GOOD
DH-22R	157	Sector 2	YES	YES	YES	GOOD	GOOD	YES	2121	GOOD
DH-18B	142	Sector 2	YES	YES	YES	GOOD	GOOD	YES	2532	GOOD
DH-18A	140	Sector 2	YES	YES	YES	GOOD	GOOD	YES	2532	GOOD
DH-18	138	Sector 2	YES	YES	YES	GOOD	GOOD	YES	2532	GOOD
DH-35A	194	Sector 2	YES	YES	YES	GOOD	GOOD	YES	2532	GOOD
DH-35	192	Sector 2	YES	YES	YES	GOOD	GOOD	YES	2121	GOOD
DH-33A	188	Sector 2	YES	YES	YES	GOOD	GOOD	YES	2532	GOOD
DH-33	186	Sector 2	YES	YES	YES	GOOD	GOOD	YES	2532	GOOD
DH-49A	230	Sector 2	YES	YES	YES	GOOD	GOOD	YES	2121	GOOD
DH-49	228	Sector 2	YES	YES	YES	GOOD	GOOD	YES	2121	GOOD
DH-47A	224	Sector 2	YES	YES	YES	GOOD	GOOD	YES	2121	GOOD
DH-47	222	Sector 2	YES	YES	YES	GOOD	GOOD	YES	2121	GOOD
DH-46A	220	Sector 2	YES	YES	YES	GOOD	GOOD	YES	2121	GOOD
DH-46	218	Sector 2	YES	YES	YES	GOOD	GOOD	YES	2121	GOOD
DH-39A	202	Sector 2	YES	YES	YES	GOOD	GOOD	YES	2121	GOOD
DH-39	200	Sector 2	YES	YES	YES	GOOD	GOOD	YES	2121	GOOD
DH-43A	210	Sector 2	YES	YES	YES	GOOD	GOOD	YES	2121	GOOD
DH-43	208	Sector 2	YES	YES	YES	GOOD	GOOD	YES	2121	GOOD
DH-36	196	Sector 2	YES	YES	YES	GOOD	GOOD	YES	2532	GOOD
DH-34	190	Sector 2	YES	YES	YES	GOOD	GOOD	YES	2532	GOOD
DH-32	184	Sector 2	YES	YES	YES	GOOD	GOOD	YES	2532	GOOD
DH-48	226	Sector 2	YES	YES	YES	GOOD	GOOD	YES	2121	GOOD
DH-40	204	Sector 2	YES	YES	YES	GOOD	GOOD	YES	2121	GOOD
DH-41	206	Sector 2	YES	YES	YES	GOOD	GOOD	YES	2121	GOOD
DH-52	236	Sector 2	YES	YES	YES	GOOD	GOOD	YES	2121	GOOD
DH-45	216	Sector 2	YES	YES	YES	GOOD	GOOD	YES	2121	GOOD
DH-53	238	Sector 2	YES	YES	YES	GOOD	GOOD	YES	2121	GOOD
Lysimeters										
LY1A	400	Sector 2	YES	NO	YES	GOOD	GOOD	NONE	NA	GOOD
LY2	406	Sector 2	YES	NO	YES	GOOD	GOOD	NONE	NA	GOOD
LY3	408	Sector 2	YES	NO	YES	GOOD	GOOD	NONE	NA	GOOD
LY4	410	Sector 2	YES	NO	YES	GOOD	GOOD	NONE	NA	GOOD
Leachate Head Wells										
LHW-1A	033	Sector 1	NO	NO	NO	GOOD	No Casing	NONE	NA	GOOD
LHW-1B	038	Sector 1	YES	NO	YES	GOOD	Needs to be raised/can't lock cap	NONE	NA	GOOD
LHW-2A	036	Sector 1	YES	NO	YES	GOOD	Needs to be raised/can't lock cap	NONE	NA	GOOD
LHW-2B	037	Sector 1	YES	NO	YES	GOOD	Needs to be raised/can't lock cap	NONE	NA	GOOD
LHW-3A	035	Sector 1	YES	NO	YES	GOOD	Needs to be raised/can't lock cap	NONE	NA	GOOD
LHW-3BR	039	Sector 1	YES	NO	YES	GOOD	Can't lock cap	NONE	NA	GOOD
LHW-4A	040	Sector 1	YES	NO	YES	GOOD	Needs to be raised/can't lock cap	NONE	NA	GOOD
LHW-4B	042	Sector 1	YES	NO	YES	GOOD	Needs to be raised/can't lock cap	NONE	NA	GOOD
LHW-5A	044	Sector 1	YES	NO	YES	GOOD	Good	NONE	NA	GOOD
LHW-5B	046	Sector 1	YES	NO	YES	GOOD	Needs to be raised/can't lock cap	NONE	NA	GOOD
LHW-6A	048	Sector 1	YES	NO	YES	GOOD	Needs to be raised/can't lock cap	NONE	NA	GOOD
LHW-6B	050	Sector 1	YES	NO	YES	GOOD	Needs to be raised/can't lock cap	NONE	NA	GOOD
VLHW-1A	440	Sector 2	No	No	Yes	GOOD	NONE	NONE	NA	GOOD
VLHW-2A	444	Sector 2	No	No	Yes	GOOD	NONE	NONE	NA	GOOD
VLHW-3A	448	Sector 2	No	No	Yes	GOOD	NONE	NONE	NA	GOOD
LHW-4A	450	Sector 2	No	No	No	GOOD	NONE	NONE	NA	GOOD
LHW-4B	452	Sector 2	No	No	No	GOOD	NONE	NONE	NA	GOOD
LHW-5A	454	Sector 2	No	No	No	GOOD	NONE	NONE	NA	GOOD
LHW-5B	456	Sector 2	No	No	No	GOOD	NONE	NONE	NA	GOOD
LHW-6A	458	Sector 2	No	No	No	GOOD	NONE	NONE	NA	GOOD
LHW-6B	460	Sector 2	No	No	No	GOOD	NONE	NONE	NA	GOOD
LHW-7A	462	Sector 2	No	No	No	GOOD	NONE	NONE	NA	GOOD
LHW-7B	464	Sector 2	No	No	No	GOOD	NONE	NONE	NA	GOOD
LHW-8	466	Sector 2	No	No	Yes	GOOD	NONE	NONE	NA	GOOD
LHW-9	468	Sector 2	No	No	Yes	GOOD	NONE	NONE	NA	GOOD
LHW-10A	470	Sector 2	No	No	Yes	GOOD	NONE	NONE	NA	GOOD
LHW-10B	472	Sector 2	No	No	Yes	GOOD	NONE	NONE	NA	GOOD
LHW-11	474	Sector 2	No	No	Yes	GOOD	NONE	NONE	NA	GOOD
LHW-12	476	Sector 2	No	No	Yes	GOOD	NONE	NONE	NA	GOOD

Monitoring Well, Gas Probe, Lysimeter, and Leachate Head Well Condition Report - October 2016
ADS Seven Mile Creek Landfill - Eau Claire, WI

Common Well Name	WDNR Well ID	Well Association	Well Labeled Common Name	Well Labeled WDNR ID	Well Cap Present	Well Casing Condition	Protective Casing Condition	Well Lock	Key Number	Access/Trail condition
Groundwater Monitoring Wells										
DH-16A	136	Sector 1								
DH-16	134	Sector 1								
DH-21A	154	Sector 1								
DH-21	152	Sector 1								
DH-10	008	Sector 1	YES	YES	YES	GOOD	GOOD	YES	2532	Trail needs clearing
DH-10A	120	Sector 1								
DH-8	006	Sector 1								
DH-42A	158	Sector 1	YES	YES	YES	GOOD	GOOD	YES	2121	Trail needs clearing
DH-42	156	Sector 1	YES	YES	YES	GOOD	GOOD	YES	2121	Trail needs clearing
DH-19A	146	Sector 1								
DH-19	144	Sector 1								
DH-15	130	Sector 1								
DH-15A	132	Sector 1								
DH-11R	125	Sector 1								
DH-9	007	Sector 1								
DH-4R	003	Sector 1	YES	YES	YES	GOOD	GOOD	YES	2532	GOOD
DH-1	001	Sector 1								Well appears to be abd
DH-7	005	Sector 1								
DH-22B	160	Sector 2	YES	YES	YES	GOOD	GOOD	YES	2121	GOOD
DH-22A	158	Sector 2	YES	YES	YES	GOOD	GOOD	YES	2121	GOOD
DH-22R	157	Sector 2	YES	YES	YES	GOOD	GOOD	YES	2121	GOOD
DH-18B	142	Sector 2	YES	YES	YES	GOOD	GOOD	YES	2532	Good/Needs a new lock
DH-18A	140	Sector 2	YES	YES	YES	GOOD	GOOD	YES	2532	Good/Needs a new lock
DH-18	138	Sector 2	YES	YES	YES	GOOD	GOOD	YES	2532	Good/Needs a new lock
DH-35A	194	Sector 2	YES	YES	YES	GOOD	GOOD	YES	2532	Good/Needs a new lock
DH-35	192	Sector 2	YES	YES	YES	GOOD	GOOD	YES	2532	Good/Needs a new lock
DH-33A	188	Sector 2	YES	YES	YES	GOOD	GOOD	YES	2532	Good/Needs a new lock
DH-33	186	Sector 2	YES	YES	YES	GOOD	GOOD	YES	2532	Good/Needs a new lock
DH-49A	230	Sector 2	YES	YES	YES	GOOD	GOOD	YES	2121	GOOD
DH-49	228	Sector 2	YES	YES	YES	GOOD	GOOD	YES	2121	GOOD
DH-47A	224	Sector 2	YES	YES	YES	GOOD	GOOD	YES	2121	GOOD
DH-47	222	Sector 2	YES	YES	YES	GOOD	GOOD	YES	2121	GOOD
DH-46A	220	Sector 2	YES	YES	YES	GOOD	GOOD	YES	2121	GOOD
DH-46	218	Sector 2	YES	YES	YES	GOOD	GOOD	YES	2121	GOOD
DH-39A	202	Sector 2	YES	YES	YES	GOOD	GOOD	YES	2121	GOOD
DH-39	200	Sector 2	YES	YES	YES	GOOD	GOOD	YES	2121	GOOD
DH-43A	210	Sector 2	YES	YES	YES	GOOD	GOOD	YES	2121	GOOD
DH-43	208	Sector 2	YES	YES	YES	GOOD	GOOD	YES	2121	GOOD
DH-36	196	Sector 2	YES	YES	YES	GOOD	GOOD	YES	2532	Good/Needs a new lock
DH-34	190	Sector 2	YES	YES	YES	GOOD	GOOD	YES	2532	Good/Needs a new lock
DH-32	184	Sector 2	YES	YES	YES	GOOD	GOOD	YES	2532	GOOD
DH-48	226	Sector 2	YES	YES	YES	GOOD	GOOD	YES	2121	GOOD
DH-40	204	Sector 2	YES	YES	YES	GOOD	GOOD	YES	2121	GOOD
DH-41	206	Sector 2	YES	YES	YES	GOOD	GOOD	YES	2121	GOOD
DH-52	236	Sector 2	YES	YES	YES	GOOD	GOOD	YES	2121	GOOD
DH-45	216	Sector 2	YES	YES	YES	GOOD	GOOD	YES	2121	GOOD
DH-53	238	Sector 2	YES	YES	YES	GOOD	GOOD	YES	2121	GOOD
Lysimeters										
LY1A	400	Sector 2	YES	YES	YES	GOOD	GOOD	NONE	NA	GOOD
LY2	406	Sector 2	YES	YES	YES	GOOD	GOOD	NONE	NA	GOOD
LY3	408	Sector 2	YES	YES	YES	GOOD	GOOD	NONE	NA	GOOD
LY4	410	Sector 2	YES	YES	YES	GOOD	GOOD	NONE	NA	GOOD
VLHW-1A	440	Sector 2	Yes	YES	Yes	GOOD	NONE	NONE	NA	GOOD
VLHW-2A	444	Sector 2	Yes	YES	Yes	GOOD	NONE	NONE	NA	GOOD
VLHW-3A	448	Sector 2	Yes	YES	Yes	GOOD	NONE	NONE	NA	GOOD
LHW-4A	450	Sector 2	Yes	YES	YES	GOOD	NONE	NONE	NA	GOOD
LHW-4B	452	Sector 2	YES	YES	YES	GOOD	NONE	NONE	NA	GOOD
LHW-5A	454	Sector 2	YES	YES	YES	GOOD	GOOD	NONE	NA	GOOD
LHW-5B	456	Sector 2	YES	YES	YES	GOOD	GOOD	NONE	NA	GOOD
LHW-6A	458	Sector 2	YES	YES	YES	GOOD	GOOD	NONE	NA	GOOD
LHW-6B	460	Sector 2	YES	YES	YES	GOOD	GOOD	NONE	NA	GOOD
LHW-7A	462	Sector 2	YES	YES	YES	GOOD	GOOD	NONE	NA	GOOD
LHW-7B	464	Sector 2	YES	YES	YES	GOOD	GOOD	NONE	NA	GOOD
LHW-8	466	Sector 2	YES	YES	YES	GOOD	GOOD	NONE	NA	GOOD
LHW-9	468	Sector 2	YES	YES	Yes	GOOD	GOOD	NONE	NA	GOOD
LHW-10A	470	Sector 2	YES	YES	Yes	GOOD	GOOD	NONE	NA	GOOD
LHW-10B	472	Sector 2	YES	YES	Yes	GOOD	GOOD	NONE	NA	GOOD
LHW-11	NA	Sector 2	YES	YES	Yes	GOOD	GOOD	NONE	NA	GOOD
LHW-12	NA	Sector 2	YES	YES	Yes	GOOD	GOOD	NONE	NA	GOOD

Appendix D-4

Leachate Line Jetting Documentation

Superior Jetting

Customer Service Report

Customer: Advanced Disposal Seven Mile Creek LF
Contact: Operations Manager

Address: Advanced Disposal Seven Mile Creek LF
2626 Mondovi Road
Eau Claire, WI 54701

Report Number: 990
Date(s): 6/20 thru 6/28/2016

Page: 1 of 6
On-Site Hours: 41.0
Mob. Hours: --

Description: Jet leachate system, vacuum manholes, and vacuum liftstation

Jetting Summary

No.	Length Jetted	Comments
Sector 1		
MH-2A	500	
MH-3A	600	
MH-4A	700	
MH-4	700	
MH-3	600	
MH-2	500	
LS	--	
MH-1A	175	
MH-1B	250	

Superior Jetting, Inc.
P.O. Box 357, Zimmerman, MN 55398
Phone/Fax: (763) 631-3133

No.	Length Jetted	Comments
		Sector 2
Phase 7 S CO	600	
Phase 6 S CO	600	Minor blockages throughout
Phase 5 S CO	600	
MH-8 (Phase 4)	700	
MH-9 (Phase 4)	700	
MH-10 (Phase 3)	700	
MH-11 (Phase 3)	700	
MH-12 (Phase 2)	700	
MH-13 (Phase 2)	700	
MH-14 (Phase 1)	600	Jet for 30 Minutes
MH-15 (Phase 1)	150	Made it past 80 ft. Jet for 30 Minutes
Phase 8 S CO	--	HDPE cap welded to vertical cleanout, could not access
Phase 9 S CO	700	
Phase 10 S CO	700	
Phase 10N CO	700	
Phase 9 N CO	700	See comments
Phase 8 N CO	--	HDPE cap is welded shut, could not access
MH-16 (Phase 1)	--	Removed from new construction in 2016
MH-17 (Phase 1)	--	Removed from new construction in 2016
MH-18 (Phase 2)	--	Removed from new construction in 2016
MH-19 (Phase 2)	--	Removed from new construction in 2016
MH-20 (Phase 3)	--	Removed from new construction in 2016
MH-21 (Phase 3)	--	Removed from new construction in 2016
Phase 5 N CO	650	Ties into Phase II
Phase 6 N CO	700	
Phase 7 N CO	--	Could not locate cleanout. Possibly ties into new construction
CO-4C	1050	
CO-4B	1050	
CO-4H	550	Hit End Cap
CO-4A	1027	
CO-3A	1115	Slow past 900 feet
CO-3AH N CO	770	Header Line
CO-2A	1000	
CO-1AH S CO	750	Header Line
CO-1A	700	

Superior Jetting, Inc.
P.O. Box 357, Zimmerman, MN 55398
Phone/Fax: (763) 631-3133

No.	Length Jetted	Comments
Perimeter Leachate Manhole System		
MH14-MH15	80	
MH13-MH14	80	
MH12-MH143	80	
MH11-MH12	80	
MH10-MH11	100	
MH9-MH10	80	
MH8-MH9	80	Jet/Vac
MH7-MH8	80	Jet/Vac
MH6-MH7	100	Jet/Vac
MH5-MH6	100	Jet/Vac
MH4-MH5	100	Jet/Vac
MH3-MH4	100	Jet/Vac
MH2-MH3	80	Jet/Vac
MH1-MH2	80	Jet/Vac

Superior Jetting, Inc.
P.O. Box 357, Zimmerman, MN 55398
Phone/Fax: (763) 631-3133

Additional Comments

June 20, 2016 **Arrived On-Site: 11:00 am**

- Jetted phase 5 from south side to distance indicated above. No problems encountered
- Jetted phase 6 from south side to distance indicated above. Minor blockages throughout.
- Jetted phase 7 from south side to distance indicated above. No problems encountered
- Jetted phase 4 leachate pipe from MH-8 to distance indicated above. No problems encountered.
- Jetted phase 4 leachate pipe from MH-9 to distance indicated above. No problems encountered.
- Jetted leachate pipe from MH-10 to distance indicated above. Jetting slow past 600 feet.
- Jetted leachate pipe from MH-11 to distance indicated above. Jetting slow past 500 feet

Left Site: 5:15 pm

June 21, 2016 **Arrived On-Site: 7:00 am**

- Jetted leachate pipe from MH-12 to distance indicated above. Jetting slow past 500 feet.
- Jetted sector 1 leachate pipe from MH-2A to distance indicated above. No problems encountered.
- Jetted sector 1 leachate pipe from MH-3A to distance indicated above. No problems encountered.
- Jetted sector 1 leachate pipe from MH-4A to distance indicated above. No problems encountered.
- Jetted phase 5 from the north side to distance indicated above. No problems encountered.
- Jetted phase 6 from the north side to distance indicated above. No problems encountered.
- Jet collection pipe from CO-1A to distance indicated above. No problems encountered
- Jet header pipe from south CO-1AH to distance indicated. No problems encountered.
- Jet collection pipe from CO-2A to distance indicated above. No problems encountered
- Jet header pipe from north cleanout-3AH to distance indicated. No problems encountered.
- Jet collection pipe from CO-3A to distance indicated above. Hose advanced slowly past 900 feet.
- Jet collection pipe from CO-4A to distance indicated above. Hose would not advance past "high point" at 1027 feet.
- Jet collection pipe from CO-4AHA to distance indicated above. No problems encountered.

Left Site: 5:20 pm

Superior Jetting, Inc.
P.O. Box 357, Zimmerman, MN 55398
Phone/Fax: (763) 631-3133

June 22, 2016 **Arrived On-Site: 7:00 am**

- Jetted leachate pipe from MH-13 to distance indicated above. Jetting slow past 500 feet.
- Jetted leachate pipe from MH-14 to distance indicated above. Advanced to 600 ft.
- Jetted leachate pipe from MH-15 to distance indicated above. Advanced to 150 ft.
- Jetted phase 9 from south side to distance indicated above. No problems encountered.
- Jetted phase 10 from south side to distance indicated above. No problems encountered.
- Jet perimeter MH14-MH15 to the distance indicated above. No problems encountered.
- Jet perimeter MH13-MH14 to the distance indicated above. No problems encountered.
- Jet perimeter MH12-MH13 to the distance indicated above. No problems encountered.
- Jet perimeter MH11-MH12 to the distance indicated above. No problems encountered.
- Jet perimeter MH10-MH11 to the distance indicated above. No problems encountered.
- Jet perimeter MH9-MH10 to the distance indicated above. No problems encountered.
- Jetted sector 1 leachate pipe from MH-4 to distance indicated above. No problems encountered.
- Jetted sector 1 leachate pipe from MH-3 to distance indicated above. No problems encountered.
- Jetted sector 1 leachate pipe from MH-2 to distance indicated above. No problems encountered.
- Jetted sector 1 leachate pipe from MH-1A to distance indicated above. No problems encountered.
- Jetted sector 1 leachate pipe from MH-1B to distance indicated above. No problems encountered.
- Jetted phase 10 from north side to distance indicated above. No problems encountered.
- Jetted phase 9 from north side to distance indicated above. No problems encountered.

Left Site: 11:45 am

June 23, 2016 **Arrived On-Site: 7:00 am**

- Jet/Vac perimeter MH8-MH9 to the distance indicated above. No problems encountered.
- Jet/Vac perimeter MH7-MH8 to the distance indicated above. No problems encountered.
- Jet/Vac perimeter MH6-MH7 to the distance indicated above. No problems encountered.

Left Site: 4:00 pm

Superior Jetting, Inc.
P.O. Box 357, Zimmerman, MN 55398
Phone/Fax: (763) 631-3133

Superior Jetting

P.O. Box 357
Zimmerman, MN 55398
Phone/Fax: (763) 631-3133

Confined Space Entry Permit

Date Issues: 6/28/~~2014~~ 16 **Time Issued:** 7:00 ☒ a.m. ☐ p.m. **Date Expires:** 6/29/16 **Time Expires:** 7:00 ☒ a.m. ☐ p.m.

Job Site: Seven mile L.F.

Confined Space I.D.: Lift station

Job Supervisor*: Dave Rolf **Observer*:** Brent weaver

Entry Personnel*: Matt weaver **Stand-By Personnel*:** Dave Rolf

* At least one of the persons listed must be available to perform the stated duty. Supervisor, Observer and Stand-By Personnel may be the same person unless otherwise noted.

Work to be Performed: clean lift station

Confined Space Equipment:

	Required	Optional	N/A	Used* Yes	Used* No
Four Gas Meter	☒	☐	☐	☐	☐
Ventilation Equipment	☒	☐	☐	☐	☐
Tripod	☒	☐	☐	☐	☐
Winch & Life Line	☒	☐	☐	☐	☐
Body Harness	☒	☐	☐	☐	☐
Hard Hat	☐	☒	☐	☐	☐
Hearing Protection	☒	☐	☐	☐	☐

	Required	Optional	N/A	Used* Yes	Used* No
Tyvek Suit	☒	☐	☐	☐	☐
Respirator (Type: VOC)	☐	☒	☐	☐	☐
Rubber Boots	☒	☐	☐	☐	☐
Chemical Resistant Gloves	☐	☒	☐	☐	☐
SCBA Equipment	☐	☒	☐	☐	☐
Other _____	☐	☐	☐	☐	☐
Other _____	☐	☐	☐	☐	☐

* To be filled out by field personnel

Tools: shovel / vac hose

Communication: vocal / hand

Entry Procedures:

1. Test Initial atmosphere conditions in confined space
2. De-energize or isolate equipment
3. Ventilate confined space
4. Test pre-entry atmosphere conditions in confined space
5. **DO NOT ENTER confined space unless the following conditions are meet:**
   - **a. O_2 is greater than 19.5 % and less than 23.5%**
   - **b. CH_4 is less than 5% LEL**
   - **c. CO is less than 50 ppm**
   - **d. H_2S is less than 10 ppm**
6. Continuously monitor atmosphere in confined space. Record results every hour.

	Date	Time	O_2	CH_4	CO	H_2S
Initial Test	6/28/16	8:00 ☒ a.m. ☐ p.m.	20.8	0	0	0
Pre-Entry Test	6/28/16	8:30 ☒ a.m. ☐ p.m.	20.8	0	0	0
	/ /	9:00 ☒ a.m. ☐ p.m.	20.8	0	0	0
	/ /	: ☐ a.m. ☐ p.m.				
	/ /	: ☐ a.m. ☐ p.m.				
	/ /	: ☐ a.m. ☐ p.m.				
	/ /	: ☐ a.m. ☐ p.m.				
	/ /	: ☐ a.m. ☐ p.m.				
	/ /	: ☐ a.m. ☐ p.m.				
	/ /	: ☐ a.m. ☐ p.m.				
	/ /	: ☐ a.m. ☐ p.m.				
	/ /	: ☐ a.m. ☐ p.m.				

Atmospheric Monitoring Performed By: David Rolf Date: 6/28/16 Signature: [signature]

Emergency Phone Numbers:

a. 911
b.
c.

Permit Issued By: David Rolf **Date:** 6/28/~~2014~~ 16 **Signature:** [signature]

Appendix E

Groundwater Monitoring

Attachment E-1

Groundwater Monitoring Reports
(SCS Engineers)

Environmental Consultants
and Contractors

2830 Dairy Drive
Madison, WI 53718-6751

608 224-2830
FAX 608 224-2839
www.scsengineers.com

SCS ENGINEERS

June 29, 2016
File No. 25216016.00

GEMS Data Submittal Contact – WA/5
Wisconsin Department of Natural Resources
Bureau of Waste Management
P.O. Box 7921
Madison, WI 53707-7921

Subject: Environmental Monitoring Data Submittal – April 2016
Advanced Disposal Services Seven Mile Creek Landfill – Sector 1
Eau Claire, Wisconsin
WDNR License No. 2821
FID No. 618009260

Dear GEMS Data Submittal Contact:

On behalf of Advanced Disposal Services, SCS Engineers is submitting environmental monitoring results for April 2016 for Seven Mile Creek Landfill – Sector 1. This submittal includes the electronic data file of the monitoring results on a compact disk (CD), the Environmental Monitoring Data Certification form, and a summary of parameters detected at values above NR 140 Groundwater Quality Standards, well-specific preventive action limits (PALs), or alternative concentration limits (ACLs) (**Table 1**).

Included in this submittal are the analytical results and associated field data for the following monitoring points:

- Groundwater monitoring wells (DH-01 through DH-21A, DH-42, and DH-42A)
- Leachate sample point (LEACHATE TANK-1)

Additional environmental monitoring field data are being submitted separately by Environmental Sampling Corporation.

Field monitoring was performed by Short, Elliot, Hendrickson, Inc., (SEH) of Chippewa Falls, Wisconsin. The monitoring by SEH was conducted between April 11 and 14, 2016. Laboratory analysis was performed by Pace Analytical Services of Green Bay, Wisconsin.

This letter provides the following information:

- List of NR 140 groundwater standard exceedances and a preliminary analysis of the cause and significance of the exceedances
- Explanation of any deviations from the approved sampling plan

NR 140 GROUNDWATER STANDARD EXCEEDANCES

Groundwater monitoring data were compared to the NR 140 Groundwater Quality Standards for parameters that have established PALs and enforcement standards (ESs). The results were also compared to well-specific PALs and ACLs approved for DH-01 and DH-04R, which are the wells that are also in the Seven Mile Creek Landfill Sector 2 monitoring program. There are no well-specific PALs and ACLs approved for the remainder of the wells in the Sector 1 monitoring program. **Table 1** summarizes the constituents that were detected at concentrations above a PAL or ES. The cause and significance of the April 2016 standard exceedances are discussed below.

- **Specific Conductance at DH-01** – Specific conductance increased starting in about 2007, and has slightly exceeded the PAL in April annually since 2013, but has remained below the PAL in the October samples. The well is constructed with a galvanized steel mesh screen, as noted in the 2003 Feasibility Study for the horizontal expansion of Sector 2, and may not provide reliable monitoring data for some parameters such as specific conductance. Well DH-01 is located in the approved footprint of the Sector 2 landfill and will be abandoned as facility construction dictates.

- **Tetrahydrofuran at DH-01** – The tetrahydrofuran concentration detected in the sample collected from DH-01 in April 2016 exceeded the PAL. Tetrahydrofuran has been detected at concentrations below the PAL, or at estimated concentrations below the PAL in samples collected annually from DH-01 since April 2011, but this is the first PAL exceedance. DH-01 is located upgradient of the Sector 1 landfill and therefore the detection of tetrahydrofuran does not indicate groundwater impacts from Sector 1. The source of the tetrahydrofuran will be evaluated further if the standard exceedance is confirmed in the next sampling event.

MONITORING PROGRAM COMMENTS

The monitoring was performed in accordance with the monitoring plan approved by the Wisconsin Department of Natural Resources in the Plan Modification Approval for Groundwater Monitoring Reductions, Seven Mile Creek Landfill – Sector 1, dated December 18, 2007. There were no other deviations from the approved monitoring plan for the monitoring results reported in this submittal.

If you have any questions regarding the information included in this submittal, please call us at 608-224-2830.

Sincerely,

Sherren Clark, PE, PG
Project Director
SCS ENGINEERS

Betty J. Socha, PG, PhD
Senior Project Manager
SCS ENGINEERS

BJS/lmh/SCC

Enclosures: Table 1 – NR 140 Exceedance Summary
Groundwater Monitoring Data Certification Form
GEMS Data CD

cc: Kari Rabideau, Advanced Disposal Services (e-copy only)
Mike Niewind, Advanced Disposal Services (e-copy only)
Mark Vinall, ADS Seven Mile Creek Landfill (2 copies of letter, 1 CD)
Frank Perugini, Environmental Sampling Corp. (w/o CD)
Brian Kent, SEH, Inc., (e-copy only)

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Table 1
NR 140 Exceedance Summary

Site ID: **02821**
Site Name: **ADS Seven Mile Creek Landfill - Sector 1**
Reporting Period: **April 2016**

Groundwater Results Exceeding NR 140 Standards

Well	Parameter	Result	PAL	ES	Exceedance Type
DH-01	Specific conductance-field (umhos/cm @ 25c)	320	310		PAL (Indicator)
	Tetrahydrofuran (ug/l)	13.7	10	50	PAL

Notes:
PAL = Preventive Action Limit
ES = Enforcement Standard
ug/l = micrograms per liter

Prepared by: MOB, 6/15/16
Checked by: BJS, 6/16/16

State of Wisconsin
Department of Natural Resources

Environmental Monitoring Data Certification

Form 4400-231(R 1/04)

Notice: Personally identifiable information collected will be used for program administration and enforcement purposes. The Department may also provide this information to requesters as required under Wisconsin's Open Records law, ss. 19.31 to 19.39, Wis. Stats.
When submitting monitoring data, the owner or operator of the facility, practice or activity is required to notify the Department in writing that a groundwater standard or an explosive gas level has been attained or exceeded, as specified in ss. NR 140.24(1)(a); NR 140.26(1)(a); NR 507.30NR 635.14(9)(a); NR 635.18(20) and NR 507.30, Wis. Adm. Code. Failure to report may result in fines, forfeitures or other penalties resulting from enforcement under ss. 289.97, 291.97 or 299.95, Wis. Stats.

Instructions:

- **Prepare one form for each license or monitoring ID.**
- **Please type or print legibly.**
- Attach a notification of any values that attain or exceed groundwater standards (that is, preventive action limits, enforcement standards or alternative concentration limits). The notification must include a preliminary analysis of the cause and significance of each value.
- Attach a notification of any gas values that attain or exceed explosive gas levels.
- Send the original signed form, any notification, and Electronic Data Deliverable [EDD] to: GEMS Data Submittal Contact - WA/3
  Bureau of Waste Management
  Wisconsin Department of Natural Resources
  101 South Webster Street
  Madison WI 53707-7921

Monitoring Data Submittal Information

Name of entity submitting data (laboratory, consultant, facility owner):

SCS Engineers

Contact for questions about data formatting. Include data preparer's name, telephone number and E-mail address:

Name: Mari Bull Phone: (830) 644-2130

E-mail: mbull@scsengineers.com

Facility name:	License # / Monitoring ID	Facility ID [FID]	Actual sampling dates (e.g., July 2-6, 2003)
Advanced Disposal Services Seven-Mile Creek Landfill - Sector 1	02821	618009260	April 11-14, 2016

The enclosed results are for sampling required in the month(s) of: (e.g., June 2003)

April 2016

Type of Data Submitted (Check all that apply)

- [x] Groundwater monitoring data from monitoring wells
- [ ] Groundwater monitoring data from private water supply wells
- [x] Leachate monitoring data
- [ ] Gas monitoring data
- [ ] Air monitoring data
- [ ] Other (specify)

Notification attached?

- [ ] No. No groundwater standards or explosive gas limits were exceeded.
- [x] Yes, a notification of values exceeding a groundwater standard is attached. It includes a list of monitoring points, dates, sample values, groundwater standard and preliminary analysis of the cause and significance of any concentration.
- [ ] Yes, a notification of values exceeding an explosive gas limit is attached. It includes the monitoring points, dates, sample values and explosive gas limits.

Certification

To the best of my knowledge, the information reported and statements made on this data submittal and attachments are true and correct. Furthermore, I have attached complete notification of any sampling values meeting or exceeding groundwater standards or explosive gas levels, and a preliminary analysis of the cause and significance of concentrations exceeding groundwater standards.

Sherren Clark, SCS Engineers	Project Manager	(608) 216-7323
Facility Representative Name (Print)	Title	(Area Code) Telephone No.

Signature 6-29-2016 Date

FOR DNR USE ONLY. Check action taken, and record date and your initials. Describe on back side if necessary.

- [ ] **Found uploading problems on** _____ **Initials** _____
- [ ] **Notified contact of problems on** _____ **Uploaded data successfully on** _____

EDD format(s): [ ] **Diskette** [ ] **CD (initial submittal and follow-up)** [ ] **E-mail (follow-up only)** **Other** _____

Environmental Consultants
and Contractors

2830 Dairy Drive
Madison, WI 53718-6751

608 224-2830
FAX 608 224-2839
www.scsengineers.com

SCS ENGINEERS

June 29, 2016
File No. 25216011.00

GEMS Data Submittal Contact – WA/5
Wisconsin Department of Natural Resources
Bureau of Waste Management
P.O. Box 7921
Madison, WI 53707-7921

Subject: Environmental Monitoring Data Submittal – April 2016
Advanced Disposal Services Seven Mile Creek Landfill – Sector 2
Eau Claire, Wisconsin
WDNR License No. 3097, FID No. 618045450

Dear GEMS Data Submittal Contact:

On behalf of Advanced Disposal Services, SCS Engineers is submitting environmental monitoring results for April 2016 for the Seven Mile Creek Landfill (SMCL) – Sector 2. This submittal includes the electronic data file of the monitoring results on a compact disk (CD), the Environmental Monitoring Data Certification form, and a summary of parameters detected at values above NR 140 Groundwater Quality Standards, well-specific preventive action limits (PALs), or alternative concentration limits (ACLs) (**Table 1**).

Included in this submittal are the analytical results and associated field data for the following monitoring points:

- Groundwater monitoring wells (DH-01, DH04R, and DH18 through DH-53)
- Private supply wells (PW-2, PW-26, PW-28, and PW-29)
- Surface water (STREAM-1, STREAM-2, and STREAM-3)
- Lysimeters (L-1A, L-2, L-3, and L-4)
- Leachate sample point (LEACHATE TANK (LE-2))
- Gas (Blower Outlet)

Additional environmental monitoring field data are being submitted separately by Environmental Sampling Corporation.

Gas sampling was conducted on December 21, 2015, by Environmental Sampling Corporation of Muskego, Wisconsin. All other field monitoring was performed between April 12-15, 2016, by Short, Elliot, Hendrickson, Inc., of Chippewa Falls, Wisconsin. Laboratory analysis was performed by Pace Analytical Services of Green Bay, Wisconsin, with the exception of gas analysis which was performed by ALS, of Simi Valley, California.

This letter provides the following information:

- List of NR 140 groundwater standard exceedances and a preliminary analysis of the cause and significance of the exceedances
- Explanation of any deviations from the approved sampling plan

NR 140 GROUNDWATER STANDARD EXCEEDANCES

Groundwater monitoring data were compared to the NR 140 Groundwater Quality Standards for parameters that have established PALs and enforcement standards (ESs), and to well-specific PALs and ACLs approved for the wells that are in the Seven Mile Creek Landfill Sector 2 monitoring program. DH-01 and DH-04R are wells that are also in the Seven Mile Creek Landfill Sector 1 monitoring program. **Table 1** summarizes the constituents that were detected at concentrations above a PAL or ES. The cause and significance of the April 2016 standard exceedances are discussed below.

Public Health Parameters

Specific Conductance at DH-01 – Specific conductance increased starting in about 2007, and has slightly exceeded the PAL in April annually since 2013. The October results have remained below the PAL. The well is constructed with a galvanized steel mesh screen, as noted in the 2003 Feasibility Study for the horizontal expansion of Sector 2, and may not provide reliable monitoring data for some parameters such as specific conductance. Well DH-01 is located in the approved footprint of the landfill and will be abandoned as facility construction dictates.

Tetrahydrofuran at DH-01 – The tetrahydrofuran concentration detected in the sample collected from DH-01 in April 2016 exceeded the PAL. Tetrahydrofuran has been detected at concentrations below the PAL, or at estimated concentrations below the PAL in samples collected annually from DH-01 since April 2011, but this is the first PAL exceedance. DH-01 is located upgradient of the constructed landfill area, and the source of the tetrahydrofuran is unknown. The source of the tetrahydrofuran will be evaluated further if the standard exceedance is confirmed in the next sampling event.

Benzene at DH-53 – Benzene was detected at a concentration of 1.2 micrograms per liter in April 2016, which exceeds the PAL but is below the ES. The PAL for benzene has been exceeded at this well in each sampling event since April 2012. The exceedances do not appear to be associated with the landfill, as DH-53 is located upgradient of Sector 2, on the north side of County Highway O, and is downgradient of a nearby salvage yard.

Public Welfare and Indicator Parameters

Specific Conductance, Alkalinity, and Hardness at DH-34 – The PALs for these parameters were exceeded at DH-34 in April 2016. Results for these parameters

increased beginning in late 2010 or early 2011, were variable but higher than pre-2010 values in 2012 to 2015, and now appear to be decreasing. The well is located between Sector 2 and the closed Town of Seymour Landfill.

Specific Conductivity at DH-35 – The PAL for specific conductance was exceeded at DH-35 in April 2016. Previously the PAL for specific conductance had been exceeded in samples collected in October, but not in samples collected in April, likely indicating seasonal groundwater variability. This is the first PAL exceedance for specific conductance at this well in an April sampling event; but the reported conductance was lower than in October 2015. The well is located between the two Sectors of SMCL and near the closed Town of Seymour Landfill.

Specific Conductivity at DH-43A – The PAL for specific conductance was exceeded at DH-43A in April 2016. This is the first PAL exceedance for specific conductance at this well, and the cause and significance will be evaluated further if it is confirmed in subsequent sampling. The well is located generally sidegradient of the Sector 2 landfill.

MONITORING PLAN COMMENTS

The monitoring was performed in accordance with the monitoring plan approved by the Wisconsin Department of Natural Resources in the March 18, 2016 Conditional Plan of Operation for the Proposed Vertical Expansion of the Advanced Disposal Services Seven Mile Creek Sector 2 Landfill, and the July 19, 2007 Organic Stability Plan Approval, with the exceptions noted below.

PW-29 – The field pH of the sample obtained from PW-29 (the shop well) in April 2016 was 10.6. The cause of the high pH is unknown. The pH at PW-29 will be rechecked and the results submitted with the next round of semi-annual sampling results.

DH-52 and DH-53 – These wells are monitored according to the current monitoring program, and have also been monitored for baseline parameters starting in 2006. The baseline data will be evaluated for appropriateness for calculating PALs and ACLs for the wells.

Leachate sampling point – The approved monitoring plan lists the leachate collection point as the “Sector 2 Lift Station” with point identification number #430. However, leachate is not sampled at the lift station, but is sampled at the Sector 2 aboveground leachate tank (reported as LE-2, with point identification #425). The leachate tank, rather than the lift station, has been the sampling point for leachate since 2010. The WDNR provided concurrence of the modification to the leachate sampling point in an email on June 22, 2016.

There were no other deviations from the approved monitoring plan for the monitoring results reported in this submittal.

If you have any questions regarding the information included in this submittal, please call us at 608-224-2830.

Sincerely,

Sherren Clark, PE, PG
Project Director
SCS ENGINEERS

Betty J. Socha, PG, PhD
Senior Project Manager
SCS ENGINEERS

BJS/lmh/SCC

Enclosures: Table 1 – NR 140 Exceedance Summary
Groundwater Monitoring Data Certification Form
GEMS Data CD

cc: Kari Rabideau, Advanced Disposal Services (e-copy only)
Mike Niewind, Advanced Disposal Services (e-copy only)
Tim Curry, Advanced Disposal Services (e-copy only)
Mark Vinall, ADS Seven Mile Creek Landfill (2 copies of letter, 1 CD)
Frank Perugini, Environmental Sampling Corp. (w/o CD)
Brian Kent, SEH, Inc., (e-copy only)
Tyler Field, Cornerstone

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Table 1
NR 140 Exceedance Summary

Site ID: **3097**
Site Name: **Seven-Mile Creek Landfill - Sector 2**
Reporting Period: **April 2016**

Groundwater Results Exceeding NR 140 Standards

Well	Parameter	Result	PAL	ES	Exceedance Type
DH-01	Specific conductance-field (umhos/cm @ 25c)	320	310		PAL (Indicator)
	Tetrahydrofuran (ug/l)	13.7	10	50	PAL
DH-34	Alkalinity, total filtered (mg/l as CaCO3)	255	120		PAL (Indicator)
	Hardness, total, filtered (mg/l as CaCO3)	221	170		PAL (Indicator)
	Specific conductance-field (umhos/cm @ 25c)	579	320		PAL (Indicator)
DH-35	Specific conductance-field (umhos/cm @ 25c)	457	380		PAL (Indicator)
DH-43A	Specific conductance-field (umhos/cm @ 25c)	263	260		PAL (Indicator)
DH-53	Benzene (ug/l)	1.2	0.5	5	PAL

Notes:
PAL = Preventive Action Limit
ES = Enforcement Standard
ug/l = micrograms per liter
mg/l = milligrams per liter

Prepared by: MOB, 6/20/16
Checked by: BJS, 6/22/16

State of Wisconsin
Department of Natural Resources

Environmental Monitoring Data Certification

Form 4400-231(R 1/04)

Notice: Personally identifiable information collected will be used for program administration and enforcement purposes. The Department may also provide this information to requesters as required under Wisconsin's Open Records law, ss. 19.31 to 19.39, Wis. Stats.
When submitting monitoring data, the owner or operator of the facility, practice or activity is required to notify the Department in writing that a groundwater standard or an explosive gas level has been attained or exceeded, as specified in ss. NR 140.24(1)(a); NR 140.26(1)(a); NR 507.30NR 635.14(9)(a); NR 635.18(20) and NR 507.30, Wis. Adm. Code. Failure to report may result in fines, forfeitures or other penalties resulting from enforcement under ss. 289.97, 291.97 or 299.95, Wis. Stats.

Instructions:

- **Prepare one form for each license or monitoring ID.**
- **Please type or print legibly.**
- Attach a notification of any values that attain or exceed groundwater standards (that is, preventive action limits, enforcement standards or alternative concentration limits). The notification must include a preliminary analysis of the cause and significance of each value.
- Attach a notification of any gas values that attain or exceed explosive gas levels.
- Send the original signed form, any notification, and Electronic Data Deliverable [EDD] to: GEMS Data Submittal Contact - WA/3
  Bureau of Waste Management
  Wisconsin Department of Natural Resources
  101 South Webster Street
  Madison WI 53707-7921

Monitoring Data Submittal Information

Name of entity submitting data (laboratory, consultant, facility owner):

SCS Engineers

Contact for questions about data formatting. Include data preparer's name, telephone number and E-mail address:

Name: Mari Bull Phone: (830) 644-2130

E-mail: mbull@scsengineers.com

Facility name:	License # / Monitoring ID	Facility ID [FID]	Actual sampling dates (e.g., July 2-6, 2003)
Advanced Disposal Services, Seven-Mile Creek Landfill - Sector 2	3097	618045450	December 21-22, 2015; April 12-15, 2016

The enclosed results are for sampling required in the month(s) of: (e.g., June 2003)

December 2015; April 2016

Type of Data Submitted (Check all that apply)

- [x] Groundwater monitoring data from monitoring wells
- [x] Groundwater monitoring data from private water supply wells
- [x] Leachate monitoring data
- [x] Gas monitoring data
- [ ] Air monitoring data
- [x] Other (specify) Lysimeters, surface water

Notification attached?

- [ ] No. No groundwater standards or explosive gas limits were exceeded.
- [x] Yes, a notification of values exceeding a groundwater standard is attached. It includes a list of monitoring points, dates, sample values, groundwater standard and preliminary analysis of the cause and significance of any concentration.
- [ ] Yes, a notification of values exceeding an explosive gas limit is attached. It includes the monitoring points, dates, sample values and explosive gas limits.

Certification

To the best of my knowledge, the information reported and statements made on this data submittal and attachments are true and correct. Furthermore, I have attached complete notification of any sampling values meeting or exceeding groundwater standards or explosive gas levels, and a preliminary analysis of the cause and significance of concentrations exceeding groundwater standards.

Sherren Clark, SCS Engineers	Project Manager	(608) 216-7323
Facility Representative Name (Print)	Title	(Area Code) Telephone No.

Signature 6-29-16 Date

FOR DNR USE ONLY. Check action taken, and record date and your initials. Describe on back side if necessary.

- [ ] **Found uploading problems on** _____ **Initials** _____
- [ ] **Notified contact of problems on** _____ **Uploaded data successfully on** _____

EDD format(s): [ ] **Diskette** [ ] **CD (initial submittal and follow-up)** [ ] **E-mail (follow-up only)** **Other** _____

Environmental Consultants
and Contractors

2830 Dairy Drive
Madison, WI 53718-6751

608 224-2830
FAX 608 224-2839
www.scsengineers.com

SCS ENGINEERS

December 28, 2016
File No. 25216016.00

GEMS Data Submittal Contact – WA/5
Wisconsin Department of Natural Resources
Bureau of Waste Management
P.O. Box 7921
Madison, WI 53707-7921

Subject: Environmental Monitoring Data Submittal – October 2016
Advanced Disposal Services Seven Mile Creek Landfill – Sector 1
Eau Claire, Wisconsin
WDNR License No. 2821, FID No. 618009260

Dear GEMS Data Submittal Contact:

On behalf of Advanced Disposal Services, SCS Engineers is submitting environmental monitoring results for October 2016 for the Seven Mile Creek Landfill – Sector 1. This submittal includes the electronic data file of the monitoring results on a compact disk (CD), the Environmental Monitoring Data Certification form, and a summary of parameters detected at values above NR 140 Groundwater Quality Standards, well-specific preventive action limits (PALs), or alternative concentration limits (ACLs) (**Table 1**).

This submittal provides the analytical results and associated field data for groundwater monitoring wells. Wells DH-4R, DH-42, and DH-42A were sampled in October according to the approved monitoring plan. DH-1 was previously included in the October sampling requirements, but was located in the approved footprint of the landfill and was abandoned prior to the October sampling event to accommodate facility construction. DH-10 is not included in the approved landfill monitoring plan for sampling in October, but was sampled and analyzed for volatile organic compounds (VOCs) in response to the detections of vinyl chloride in samples collected from the well in the last several years.

Additional environmental monitoring field data are being submitted separately by Environmental Sampling Corporation. Field monitoring was performed by Short, Elliot, Hendrickson, Inc., of Chippewa Falls, Wisconsin, on October 3, 2016. Laboratory analysis was performed by Pace Analytical Services of Green Bay, Wisconsin.

This letter provides a list of NR 140 groundwater standard exceedances and a preliminary analysis of the cause and significance of the exceedances, and an explanation of any deviations from the approved sampling plan, if any.

NR 140 GROUNDWATER STANDARD EXCEEDANCES

Groundwater monitoring data were compared to the NR 140 Groundwater Quality Standards for parameters that have established PALs and enforcement standards (ESs). The results were also compared to well-specific PALs and ACLs approved for DH-04R, which is also in the Seven Mile Creek Landfill Sector 2 monitoring program. There are no well-specific PALs and ACLs approved for the remainder of the wells in the Seven Mile Creek Landfill Sector 1 monitoring program.

The only standard exceedance for the October sampling event was the detection of bromodichloromethane at a concentration that exceeds the ES in the sample collected from DH-10 (**Table 1**). This is the first detection of bromodichloromethane in a groundwater sample from DH-10. Bromodichloromethane is mostly formed as a by-product when chlorine is added to water-supply systems, and is unusual as a compound detected in a sample from a monitoring well. Dibromochloromethane, another chlorination by-product, was also detected in the sample, but did not exceed the PAL. A preliminary analysis of the cause and significance of the detection of bromodichloromethane at DH-10 will be provided if the detection is confirmed by additional test results. Vinyl chloride was not detected in the sample collected from DH-10 in October 2016 or in the previous two sampling events in April 2015 and April 2016.

In accordance with the approved monitoring program, three monitoring wells (DH-4R, DH-42, and DH-42A) were sampled in October 2016, and no VOC analysis was performed. The next round of monitoring for the full monitoring network, including VOC analysis, will be in April 2017.

MONITORING PROGRAM COMMENTS

The monitoring was performed in accordance with the 2007 monitoring plan, except that as previously noted, DH-1 was abandoned prior to the October sampling event, and additional sampling for VOCs was conducted at DH-10.

If you have any questions regarding the information included in this submittal, please call us at 608.224.2830.

Sincerely,

Sherren Clark, PE, PG
Project Director
SCS ENGINEERS

Betty J. Socha, PG, PhD
Senior Project Manager
SCS ENGINEERS

BJS/lmh/SCC

Enclosures: Table 1 – NR 140 Exceedance Summary
Groundwater Monitoring Data Certification Form
GEMS Data CD

cc: Tim Curry, Advanced Disposal Services (e-copy only)
Mike Niewind, Advanced Disposal Services (e-copy only)
Mark Vinall, ADS Seven Mile Creek Landfill (2 copies of letter, 1 CD)
Frank Perugini, Environmental Sampling Corp. (w/o CD)
Brian Kent, SEH, Inc. (e-copy only)
Kari Rabideau, Advanced Disposal Services (e-copy only)

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Table 1
NR 140 Exceedance Summary

Site ID: **02821**
Site Name: **ADS Seven Mile Creek Landfill - Sector 1**
Reporting Period: **October 2016**

Groundwater Results Exceeding NR 140 Standards

Well	Parameter	Result	PAL	ES	Exceedance Type
DH-10	Bromodichloromethane (ug/l)	1.7	0.06	0.6	ES

Notes:
PAL = Preventive Action Limit
ES = Enforcement Standard
ug/l = micrograms per liter

Prepared by: MOB, 11/29/16
Checked by: BJS, 11/30/16

State of Wisconsin
Department of Natural Resources

Environmental Monitoring Data Certification

Form 4400-231(R 1/04)

Notice: Personally identifiable information collected will be used for program administration and enforcement purposes. The Department may also provide this information to requesters as required under Wisconsin's Open Records law, ss. 19.31 to 19.39, Wis. Stats.
When submitting monitoring data, the owner or operator of the facility, practice or activity is required to notify the Department in writing that a groundwater standard or an explosive gas level has been attained or exceeded, as specified in ss. NR 140.24(1)(a); NR 140.26(1)(a); NR 507.30NR 635.14(9)(a); NR 635.18(20) and NR 507.30, Wis. Adm. Code. Failure to report may result in fines, forfeitures or other penalties resulting from enforcement under ss. 289.97, 291.97 or 299.95, Wis. Stats.

Instructions:

- **Prepare one form for each license or monitoring ID.**
- **Please type or print legibly.**
- Attach a notification of any values that attain or exceed groundwater standards (that is, preventive action limits, enforcement standards or alternative concentration limits). The notification must include a preliminary analysis of the cause and significance of each value.
- Attach a notification of any gas values that attain or exceed explosive gas levels.
- Send the original signed form, any notification, and Electronic Data Deliverable [EDD] to: GEMS Data Submittal Contact - WA/3
  Bureau of Waste Management
  Wisconsin Department of Natural Resources
  101 South Webster Street
  Madison WI 53707-7921

Monitoring Data Submittal Information

Name of entity submitting data (laboratory, consultant, facility owner):

SCS Engineers

Contact for questions about data formatting. Include data preparer's name, telephone number and E-mail address:

Name: Mari Bull Phone: (830) 644-2130

E-mail: mbull@scsengineers.com

Facility name:	License # / Monitoring ID	Facility ID [FID]	Actual sampling dates (e.g., July 2-6, 2003)
Advanced Disposal Services Seven-Mile Creek Landfill - Sector 1	02821	618009260	October 3, 2016

The enclosed results are for sampling required in the month(s) of: (e.g., June 2003)

October 2016

Type of Data Submitted (Check all that apply)

- [x] Groundwater monitoring data from monitoring wells
- [ ] Groundwater monitoring data from private water supply wells
- [ ] Leachate monitoring data
- [ ] Gas monitoring data
- [ ] Air monitoring data
- [ ] Other (specify) _____

Notification attached?

- [ ] No. No groundwater standards or explosive gas limits were exceeded.
- [x] Yes, a notification of values exceeding a groundwater standard is attached. It includes a list of monitoring points, dates, sample values, groundwater standard and preliminary analysis of the cause and significance of any concentration.
- [ ] Yes, a notification of values exceeding an explosive gas limit is attached. It includes the monitoring points, dates, sample values and explosive gas limits.

Certification

To the best of my knowledge, the information reported and statements made on this data submittal and attachments are true and correct. Furthermore, I have attached complete notification of any sampling values meeting or exceeding groundwater standards or explosive gas levels, and a preliminary analysis of the cause and significance of concentrations exceeding groundwater standards.

Sherren Clark, SCS Engineers	Project Manager	(608) 216-7323
Facility Representative Name (Print)	Title	(Area Code) Telephone No.

Signature 12-20-16 Date

FOR DNR USE ONLY. Check action taken, and record date and your initials. Describe on back side if necessary.

- [ ] **Found uploading problems on** _____ **Initials** _____
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EDD format(s): [ ] **Diskette** [ ] **CD (initial submittal and follow-up)** [ ] **E-mail (follow-up only)** **Other** _____

Environmental Consultants
and Contractors

2830 Dairy Drive
Madison, WI 53718-6751

608 224-2830
FAX 608 224-2839
www.scsengineers.com

SCS ENGINEERS

December 28, 2016
File No. 25216011.00

GEMS Data Submittal Contact – WA/5
Wisconsin Department of Natural Resources
Bureau of Waste Management
P.O. Box 7921
Madison, WI 53707-7921

Subject: Environmental Monitoring Data Submittal – October 2016
Advanced Disposal Services Seven Mile Creek Landfill – Sector 2
Eau Claire, Wisconsin
WDNR License No. 3097, FID No. 618045450

Dear GEMS Data Submittal Contact:

On behalf of Advanced Disposal Services, SCS Engineers is submitting environmental monitoring results for October 2016 for the Seven Mile Creek Landfill (SMCL) – Sector 2. Also included in this submittal are some leachate monitoring results that had been collected but inadvertently omitted in previous submittals. The leachate data were collected in January and July of 2014, 2015, and 2016. This submittal includes the electronic data file of the monitoring results on a compact disk (CD), the Environmental Monitoring Data Certification form, and a summary of parameters detected at values above NR 140 Groundwater Quality Standards, well-specific preventive action limits (PALs), or alternative concentration limits (ACLs) (**Table 1**).

Included in this submittal are the analytical results and associated field data for the following monitoring points:

- Groundwater monitoring wells (DH-01, DH04R, and DH18 through DH-53)
- Private supply wells (PW-2, PW-26, PW-28, and PW-30)
- Surface water (STREAM-1, STREAM-2, and STREAM-3)
- Lysimeters (L-1A, L-2, L-3, and L-4)
- Sector 2 Leachate Tank (LE-2)

Additional environmental monitoring field data are being submitted separately by Environmental Sampling Corporation.

Field monitoring for the October 2016 monitoring event was performed October 3-6, 2016, by Short, Elliot, Hendrickson, Inc., of Chippewa Falls, Wisconsin. One monitoring well, DH-22R, was resampled on December 5, 2016. Laboratory analysis was performed by Pace Analytical Services of Green Bay, Wisconsin.

The water supply well sampling results for October 2016 were submitted in pdf format via electronic mail to the Ms. Sarah Shiel, Wisconsin Department of Natural Resources, on October 25, 2016. There were no volatile organic compounds (VOCs) detected in the October 2016 samples from the wells.

This letter provides the following information:

- List of NR 140 groundwater standard exceedances and a preliminary analysis of the cause and significance of the exceedances
- Explanation of any deviations from the approved sampling plan

NR 140 GROUNDWATER STANDARD EXCEEDANCES

Groundwater monitoring data were compared to the NR 140 Groundwater Quality Standards for parameters that have established PALs and enforcement standards (ESs), and to well-specific PALs and ACLs approved for the wells that are in the Seven Mile Creek Landfill Sector 2 monitoring program. **Table 1** summarizes the constituents that were detected at concentrations above a PAL or ES. The cause and significance of the October 2016 standard exceedances are discussed below.

Public Welfare and Indicator Parameters

Specific Conductance, Alkalinity, and Hardness at DH-34 – The PALs for these parameters were exceeded at DH-34 in October 2016. Results for these parameters increased beginning in late 2010 or early 2011, were variable but higher than pre-2010 values in 2012 to 2015, and now appear to be decreasing. The well is located between Sector 2 and the closed Town of Seymour Landfill.

Specific Conductivity, Alkalinity, and Hardness at DH-35 – The PALs for these parameters were exceeded at this Subtitle-D well in October 2016. The PAL for specific conductance at DH-35 was also exceeded in October 2015, October 2014, and October 2013. Increased conductivity may be reflecting seasonal variations in groundwater quality, as the PAL at this well was not exceeded in April of each of these years except in 2016. The PALs for alkalinity and/or hardness were also slightly exceeded in the samples from this well starting in April 2014. The well is located between the two Sectors of SMCL and near the closed Town of Seymour Landfill.

Iron at DH-35A – The iron concentration in the sample from DH-35A exceeded the well-specific ACL of 1 milligram per liter. The results for DH-35A are consistent with recent previous results. Iron has followed a long-term increasing trend at this well from the early 1990s through 2010, but appears to have leveled off since then. Well DH-35A is located between the two Sectors of SMCL and near the closed Town of Seymour Landfill. The iron detected at this well likely does not indicate impacts from the Sector 2 landfill.

Iron at DH-40 – Iron was detected at a concentration exceeding the ES in the sample collected from DH-40 in October 2016. No other parameters have elevated concentrations, and the only other ES exceedance for iron at this well was in 2009. The well is located on the upgradient side of Sector 2.

Iron at DH-53 – Iron was detected at a concentration exceeding the ES in the groundwater sample collected at DH-53 in October 2016. There have been several ES exceedances for iron at this well in recent years. This well is located upgradient of the landfill, and the iron detected does not indicate impacts from the Sector 2 landfill.

Specific Conductance at DH-45 – The PAL for specific conductance was exceeded at DH-45 in October 2016. This is the first PAL exceedance for specific conductance at this well and the cause and significance of the exceedance will be evaluated if confirmed by additional analysis. The well is located upgradient of Sector 2.

MONITORING PLAN COMMENTS

The monitoring was performed in accordance with the monitoring plan approved by the Wisconsin Department of Natural Resources in the October 27, 2016 Modification of the Operation Approval and Revised Summary of Environmental Requirements for the Advanced Disposal Services Seven Mile Creek Sector 2 Landfill, License #3097, and the July 19, 2007 Organic Stability Plan Approval, with the exceptions noted below.

DH-1 – This well was located in the approved footprint for the landfill and was abandoned prior to October 2016 to accommodate construction in accordance with the approved plan of operation.

DH-22R – The VOC analysis for this Subtitle-D well was missed on the sample collected in October 2016, so as previously noted, this well was resampled on December 5, 2016.

Iron – The inclusion of iron as an analytical parameter for groundwater samples collected at several monitoring wells in October 2016 was an error. The iron results that exceeded a groundwater standard are being submitted with the required monitoring data. Iron will not be included as a groundwater parameter in future monitoring events.

Leachate – The additional data being submitted for previous sampling dates includes results for ammonia, biological oxygen demand (BOD), chemical oxygen demand (COD), hardness, and alkalinity for samples collected in January and July of 2014, 2015, and 2016.

There were no other deviations from the approved monitoring plan for the monitoring results reported in this submittal.

If you have any questions regarding the information included in this submittal, please call us at 608.224.2830.

Sincerely,

Sherren Clark, PE, PG
Project Director
SCS ENGINEERS

Betty J. Socha, PG, PhD
Senior Project Manager
SCS ENGINEERS

BJS/lmh/SCC

Enclosures: Table 1 – NR 140 Exceedance Summary
Groundwater Monitoring Data Certification Form
GEMS Data CD

cc: Kari Rabideau, Advanced Disposal Services (e-copy only)
Mike Niewind, Advanced Disposal Services (e-copy only)
Tim Curry, Advanced Disposal Services (e-copy only)
Mark Vinall, ADS Seven Mile Creek Landfill (2 copies of letter, 1 CD)
Frank Perugini, Environmental Sampling Corp. (w/o CD)
Brian Kent, SEH, Inc., (e-copy only)
Tyler Field, Cornerstone Environmental Group (e-copy only)

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Table 1
NR 140 Exceedance Summary

Site ID: **3097**
Site Name: **Seven-Mile Creek Landfill - Sector 2**
Reporting Period: **October 2016**

Groundwater Results Exceeding NR 140 Standards

Well	Parameter	Result	PAL	ES	Exceedance Type
DH-34	Alkalinity, total filtered (mg/l as CaCO3)	221	120		PAL (Indicator)
	Hardness, total, filtered (mg/l as CaCO3)	222	170		PAL (Indicator)
	Specific conductance-field (umhos/cm @ 25c)	517	320		PAL (Indicator)
DH-35	Alkalinity, total filtered (mg/l as CaCO3)	217	200		PAL (Indicator)
	Hardness, total, filtered (mg/l as CaCO3)	234	210		PAL (Indicator)
	Specific conductance-field (umhos/cm @ 25c)	508	380		PAL (Indicator)
DH-35A	*Iron, dissolved (mg/l as Fe)	4.6	0.15	1	ES (ACL)
DH-40	*Iron, dissolved (mg/l as Fe)	0.316	0.15	0.3	ES
DH-45	Specific conductance-field (umhos/cm @ 25c)	473	460		PAL (Indicator)
DH-53	*Iron, dissolved (mg/l as Fe)	7.94	0.15	0.3	ES

Notes:
*Iron is not required by the current monitoring program.
PAL = Preventive Action Limit
ES = Enforcement Standard
mg/l = milligrams per liter

Prepared by: MOB, 12/16/16
Checked by: BJS, 12/19/16

State of Wisconsin
Department of Natural Resources

Environmental Monitoring Data Certification

Form 4400-231(R 1/04)

Notice: Personally identifiable information collected will be used for program administration and enforcement purposes. The Department may also provide this information to requesters as required under Wisconsin's Open Records law, ss. 19.31 to 19.39, Wis. Stats.
When submitting monitoring data, the owner or operator of the facility, practice or activity is required to notify the Department in writing that a groundwater standard or an explosive gas level has been attained or exceeded, as specified in ss. NR 140.24(1)(a); NR 140.26(1)(a); NR 507.30NR 635.14(9)(a); NR 635.18(20) and NR 507.30, Wis. Adm. Code. Failure to report may result in fines, forfeitures or other penalties resulting from enforcement under ss. 289.97, 291.97 or 299.95, Wis. Stats.

Instructions:

- **Prepare one form for each license or monitoring ID.**
- **Please type or print legibly.**
- Attach a notification of any values that attain or exceed groundwater standards (that is, preventive action limits, enforcement standards or alternative concentration limits). The notification must include a preliminary analysis of the cause and significance of each value.
- Attach a notification of any gas values that attain or exceed explosive gas levels.
- Send the original signed form, any notification, and Electronic Data Deliverable [EDD] to: GEMS Data Submittal Contact - WA/3
  Bureau of Waste Management
  Wisconsin Department of Natural Resources
  101 South Webster Street
  Madison WI 53707-7921

Monitoring Data Submittal Information

Name of entity submitting data (laboratory, consultant, facility owner):

SCS Engineers

Contact for questions about data formatting. Include data preparer's name, telephone number and E-mail address:

Name: Mari Bull Phone: (830) 644-2130

E-mail: mbull@scsengineers.com

Facility name:	License # / Monitoring ID	Facility ID [FID]	Actual sampling dates (e.g., July 2-6, 2003)
Advanced Disposal Services, Seven-Mile Creek Landfill - Sector 2	3097	618045450	1/21/14, 7/24/14, 1/27/15, 7/23/15, 1/21/16, 7/19/16, 10/3-10/6/16, 12/5/16

The enclosed results are for sampling required in the month(s) of: (e.g., June 2003)

January and July 2014, 2015, and 2016 (leachate only); October 2016 (all)

Type of Data Submitted (Check all that apply)

- [x] Groundwater monitoring data from monitoring wells
- [x] Groundwater monitoring data from private water supply wells
- [x] Leachate monitoring data
- [ ] Gas monitoring data
- [ ] Air monitoring data
- [x] Other (specify) Lysimeters, surface water

Notification attached?

- [ ] No. No groundwater standards or explosive gas limits were exceeded.
- [x] Yes, a notification of values exceeding a groundwater standard is attached. It includes a list of monitoring points, dates, sample values, groundwater standard and preliminary analysis of the cause and significance of any concentration.
- [ ] Yes, a notification of values exceeding an explosive gas limit is attached. It includes the monitoring points, dates, sample values and explosive gas limits.

Certification

To the best of my knowledge, the information reported and statements made on this data submittal and attachments are true and correct. Furthermore, I have attached complete notification of any sampling values meeting or exceeding groundwater standards or explosive gas levels, and a preliminary analysis of the cause and significance of concentrations exceeding groundwater standards.

Sherren Clark, SCS Engineers	Project Manager	(608) 216-7323
Facility Representative Name (Print)	Title	(Area Code) Telephone No.

Signature 12-20-16 Date

FOR DNR USE ONLY. Check action taken, and record date and your initials. Describe on back side if necessary.

- [ ] **Found uploading problems on** _____ **Initials** _____
- [ ] **Notified contact of problems on** _____ **Uploaded data successfully on** _____

EDD format(s): [ ] **Diskette** [ ] **CD (initial submittal and follow-up)** [ ] **E-mail (follow-up only)** **Other** _____

2017 Annual Report

Advanced Disposal Services
Seven Mile Creek Landfill
Eau Claire County, Wisconsin

Sector 1: WDNR License #02821
Sector 2: WDNR License #03097

Prepared for:
Advanced Disposal Services
Seven Mile Creek Landfill
8001 Olson Drive
Eau Claire, WI 54703

Prepared by:
Environmental Sampling Corporation
P.O. Box 12
Muskego, WI 53150

September 2018

Advanced Disposal

September 17, 2018

Mr. Marty Herrick
Wisconsin Department of Natural Resources
3550 Mormon Coulee Road
La Crosse, WI 54601

Re: Advanced Disposal Services Seven Mile Creek Landfill
Sector 1: License #02821, Sector 2: License #03097
Eau Claire County, Wisconsin
2017 Annual Report

Dear Mr. Herrick:

With this letter, Advanced Disposal Services Seven Mile Creek Landfill is submitting two copies of the 2017 Annual Report. The report is submitted pursuant to the annual report requirements listed in the "Report on the Plans and Specifications for A Sanitary Landfill to be Owned and Licensed by the City of Eau Claire (Seven Mile Creek Landfill)", issued by the Wisconsin Department of Natural Resources (WDNR) on July 31, 1978 and other subsequent approvals issued for both Sector 1 and Sector 2 Landfills.

The format for this annual report presents applicable site approval conditions followed by responses that address the requested information and data. We believe this method provides for accurate tracking of reporting requirements from year to year.

If you have any questions regarding this submittal, please call Frank Perugini, Environmental Sampling Corporation at (414) 427-5033 or the undersigned at (715) 839-9553. Thank you.

Sincerely,

Mark Vinall
Area Manager
Advanced Disposal Services Seven Mile Creek Landfill

Enclosure: 2017 Annual Report

cc: Jill Schoen: WDNR – Eau Claire
Tim Curry: ADS-Midwest (electronic copy)
Kari Rabideau: ADS-Midwest (electronic copy)
Mike Niewind: ADS-Midwest (electronic copy)
John Blackmon: ADS-SMCL (electronic copy)
Jeff Hong: ADS-SMCL (electronic copy)
ADS-SMCL File Copy
Tyler Field: Cornerstone Environmental Group (electronic copy)
John Oswald: Cornerstone Environmental Group (electronic copy)
Dan Roche: Cornerstone Environmental Group (electronic copy)
Sherren Clark: SCS Engineers (electronic copy)
Frank Perugini: ESC (electronic copy)

2017 ANNUAL REPORT
ADVANCED DISPOSAL SERVICES
SEVEN MILE CREEK LANDFILL
SECTOR 1: LICENSE #02821 / SECTOR 2: LICENSE #03097
EAU CLAIRE COUNTY, WISCONSIN

TABLE OF CONTENTS

Section **Page**

1.0 Introduction. 1

2.0 Landfill Operations. 2

3.0 Compostable Material Facility Operations. 22

Appendices

Appendix A **WDNR Approvals and Correspondence**

- RE: Alternate Timeline Request for Supplemental Gas Extraction Point S2P4ALC1, dated February 1, 2017
- RE: Request to Abandon Supplemental Gas Extraction Point S2P4ALC1, dated February 14, 2017
- Revised Summary of Environmental Monitoring Requirements for the Advanced Disposal Services Seven Mile Creek Landfill Sector 2, License # 3097, dated February 28, 2017
- RE: Advanced Disposal Services Seven Mile Creek Landfill, Eau Claire, WI, Air Permit No. 618045450-P10, Alternate Operating Standard Request: SEC2GW45, dated October 17, 2017
- RE: Request to Abandon Supplemental Gas Extraction Point S2P04OC4, dated January 2, 2018

Appendix B **Gas Extraction System Monitoring Data**

Table B-1: Gas Volume Summary
Table B-2: Downtime Summary

Attachment B-1: Gas Extraction Report
Attachment B-2: Gas Probe Monitoring Data

2017 ANNUAL REPORT
ADVANCED DISPOSAL SERVICES
SEVEN MILE CREEK LANDFILL
SECTOR 1: LICENSE #02821 / SECTOR 2: LICENSE #03097
EAU CLAIRE COUNTY, WISCONSIN

TABLE OF CONTENTS

Appendices (Cont.)

Appendix C **Leachate Monitoring Data**

Table C-1: Annual Leachate Head Well Monitoring Summary – Sector 1
Table C-2: Monthly Leachate Head Well Monitoring Summary – Sector 2
Table C-3: Leachate Volumes

Attachment C-1: Leachate Analytical Data Summaries – Sector 1 and Sector 2

Appendix D **Facility Maintenance and Inspections**

Attachment D-1: Maintenance and Repair Summary
Attachment D-2: Site Inspection Forms:
Monthly Spill Prevention Inspection Checklist
Quarterly Inspection Checklist
Annual Facility Site Compliance Inspection Report
Monthly Cover Integrity Inspection Logs
Attachment D-3: Monitoring Well, Lysimeter, and Leachate Head Well Condition Reports
Attachment D-4: Leachate Line Jetting Documentation

Appendix E **Groundwater Monitoring**

Attachment E-1: Groundwater Monitoring Reports

Appendix F **Alternate Daily Cover**

Attachment F-1: Grain Size Distribution Analysis
Attachment F-2: Shredder Fluff Analysis:
Alter Metal Recycling
Clayton County Recycling

2017 ANNUAL REPORT
ADVANCED DISPOSAL SERVICES
SEVEN MILE CREEK LANDFILL
SECTOR 1: LICENSE #02821 / SECTOR 2: LICENSE #03097
EAU CLAIRE COUNTY, WISCONSIN

TABLE OF CONTENTS

Appendices (Cont.)

Appendix G **Technical Memorandums (SCS Engineers)**

Attachment G-1: Annual Reporting for Organic Stability Plan
Attachment G-2: Annual Reporting for Leachate Recirculation and RD&D Plan

Appendix H **Compost Facility Records**

Attachment H-1: Compost Facility Field Monitoring Form (Example)
Attachment H-2: License Renewal Application Form– License #04426

2017 ANNUAL REPORT
ADVANCED DISPOSAL SERVICES
SEVEN MILE CREEK LANDFILL
SECTOR 1: LICENSE #02821 / SECTOR 2: LICENSE #03097
EAU CLAIRE COUNTY, WISCONSIN

1.0 INTRODUCTION

Advanced Disposal Services Seven Mile Creek Landfill (ADS-SMCL) operates a municipal solid waste landfill located in SE ¼ of Section 8 and the SW ¼ of Section 9, Township 27 N, Range 8 W, City of Eau Claire, Eau Claire County, Wisconsin. This facility was previously known as Veolia ES Seven Mile Creek Landfill and Onyx Seven Mile Creek Landfill. The ADS-SMCL facility includes a closed landfill identified as Sector 1 (license #02821) and an active landfill identified as Sector 2 (license # 03097) located north and northeast of the closed Sector 1 landfill.

During 2017, the ADS-SMCL facility was operating in accordance with the Conditional Plan of Operation Approval issued by the Wisconsin Department of Natural Resources (WDNR) on April 19, 2005, the Conditional Plan of Operation for the Proposed Vertical Expansion issued by the WDNR on March 18, 2016, and applicable prior and subsequent approvals. ADS-SMCL and Environmental Sampling Corporation (ESC) personnel have reviewed pertinent WDNR approval conditions to determine the necessary annual report contents. Any WDNR approvals issued during 2017 or approvals that pertain to monitoring or activities conducted in 2017 are provided with this report in **Appendix A.**

The approval references are presented below in bold italic font followed by ADS-SMCL's response in normal font. Also included with this annual report are the reporting requirements for the facility's Source Separated Compostable Material Facility (license #04426). This facility is currently operating in accordance with the February 22, 2013 Approval. The annual report information is provided in the following sections titled: Landfill Operations and Compostable Material Facility Operations.

2.0 LANDFILL OPERATIONS

Approval Reference
July 31, 1978
Report on the Plans and Specifications for A Sanitary Landfill to be Owned and Licensed by the City of Eau Claire (Seven Mile Creek Landfill)

38. Annually three copies of the report reviewing the operation of this site and discussing the environmental effectiveness, the operational problems experienced, any proposed changes in the operation, groundwater quality results and any written analysis thereof, etc. shall be submitted to the Departments beginning one year after the date of this approval. A copy of this report shall be submitted to the West Central District office and two copies shall be sent to the Bureau of Waste Management in Madison.

Response
To meet this requirement ADS-SMCL is providing the WDNR with this annual report, which discusses the facility activities from the previous calendar year. As required by this approval condition, environmental effectiveness, operational problems, proposed changes, and groundwater quality are addressed in this report in response to approval conditions outlined in the remainder of the report. A copy of this annual report was sent to Jill Schoen at the West Central District Office in Eau Claire, Wisconsin. Two copies of this annual report were provided to Marty Herrick at the WDNR Service Center in La Crosse, Wisconsin in lieu of sending the reports to the Bureau of Waste Management in Madison.

Approval Reference
July 30, 1990
Modification to the Plan of Operation Approval, Gas Extraction System, Eau Claire County Seven Mile Creek Sector 1 Landfill, License #2821

11. The following monitoring and reporting shall be performed on the active gas extraction system, and the results shall be submitted to the Bureau of Solid and Hazardous Waste Management on a quarterly basis.

a. Vacuum applied at each well – recorded monthly.
b. Average gas extraction flow rate at the building inlet plus methane and oxygen concentrations – recorded monthly.
c. Gas composition, concentration of methane and oxygen at each well – recorded monthly.

Response
The gas extraction wells located in Sector 1 and Sector 2 are monitored monthly at a minimum. Monthly monitoring includes landfill gas quality and vacuum applied at each well, as required by conditions 11.a. and 11.c. Gas blower quality and gas flow rate are recorded at least monthly and fulfill the monitoring requirements specified in 11.b. The Gas Extraction Report (**Appendix B, Attachment B-1**) provides a summary of the gas blower and gas extraction well monitoring conducted during 2017. A summary of the

average monthly gas extraction flow rates, required by condition 11.b is provided in the 2017 Gas Volume Summary provided as **Appendix B**, **Table B-1**.

The 2017 monthly gas monitoring data was provided to the WDNR Bureau of Solid and Hazardous Waste Management on a quarterly basis with the Groundwater and Environmental Monitoring System (GEMS) data submissions. The gas extraction system monitoring data was also provided to the WDNR Air Management Bureau on a semi-annual basis with the air pollution control operation permit reports.

Approval Reference
July 30, 1990
Modification to the Plan of Operation Approval, Gas Extraction System, Eau Claire County Seven Mile Creek Sector 1 Landfill, License #2821

11. The following monitoring and reporting shall be performed on the active gas extraction system, and the results shall be submitted to the Bureau of Solid and Hazardous Waste Management on a quarterly basis.

d. Volume of condensate collected.

Response
The gas condensate generated at the facility is disposed of in the leachate collection system by means of a gravity drain system. Gas condensate volumes generated are included in the total leachate volume produced at the facility. The facility does not have a means of monitoring the volume of gas condensate produced. The Department formally removed this monitoring requirement with the issuance of the December 13, 1990 Facility Closure Documentation Approval and Plan Modification Approval for Sector 1.

Approval Reference
July 30, 1990
Modification to the Plan of Operation Approval, Gas Extraction System, Eau Claire County Seven Mile Creek Sector 1 Landfill, License #2821

11. The following monitoring and reporting shall be performed on the active gas extraction system, and the results shall be submitted to the Bureau of Solid and Hazardous Waste Management on a quarterly basis.

e. Priority pollutant analysis on a sample of condensate – tested annually.

The gas condensate generated at the facility is disposed of in the leachate collection system by means of a gravity drain system. The facility does not have the means to conduct a discrete gas condensate sample. No annual gas condensate sample could be collected for priority pollutant analysis.

Since the gas condensate is comingled with the leachate, a summary of the laboratory analyses conducted on the Sector 1 leachate samples collected during 2017 is provided as **Appendix C, Attachment C-1**. A priority pollutant scan required by the wastewater treatment plant was performed in April 2017. Additional analyses required by the wastewater treatment plant, beyond those required by the solid

waste permit are also included in the summary. Laboratory analytical data for the annual sample collected in April 2017 was provided to the WDNR in the Sector 1 Monitoring Report and GEMS submission prepared by SCS Engineers and dated June 20, 2017.

Approval Reference
July 30, 1990
Modification to the Plan of Operation Approval, Gas Extraction System, Eau Claire County Seven Mile Creek Sector 1 Landfill, License #2821

11. The following monitoring and reporting shall be performed on the active gas extraction system, and the results shall be submitted to the Bureau of Solid and Hazardous Waste Management on a quarterly basis.

f. Air pressure test of the condensate system, to test the system for leakage on an annual basis.

Response
This monitoring requirement was eliminated with the issuance of the February 9, 1999 Acknowledgement of Expedited Plan Modification Request, Superior Seven Mile Creek Landfill, Sector 1. License No. 2821.

The condensate system is located on natural soil or engineered fill outside the limits of waste of the Sector 1 landfill therefore is unaffected by waste settlement. The prior annual air pressure test of the condensate system had revealed no problems with leakage.

Approval Reference
July 30, 1990
Modification to the Plan of Operation Approval, Gas Extraction System, Eau Claire County Seven Mile Creek Sector 1 Landfill, License #2821

11. The following monitoring and reporting shall be performed on the active gas extraction system, and the results shall be submitted to the Bureau of Solid and Hazardous Waste Management on a quarterly basis.

g. Summary of the gas collection system operations indicating all down time, problems, etc., and proposed solutions.

Response
The gas extraction system at the facility includes a blower and flare and a landfill gas to energy plant which collects and combusts landfill gas generated from both Sector 1 and Sector 2. Flow to the landfill gas to energy plant was discontinued on May 26, 2017. All landfill gas was directed to the blower and flare after May 26, 2017.

The blower and flare for the entire gas system (Sector 1 and Sector 2) operated with 99.2% efficiency during 2017. There was a total of 70.63 hours of downtime during the reporting period. The downtime summary is provided as **Table B-2** in **Appendix B**.

During the reporting period, ADS-SMCL operated the gas extraction system efficiently with minimal operational issues. The Gas Extraction Report (**Appendix B, Attachment B-1**) includes wellfield monitoring data for 2017. This wellfield monitoring data was reviewed throughout 2017 for exceedances of the operating conditions for pressure, temperature, and oxygen specified in the facility's air permit. There was one operating condition exceedance that resulted in a deviation of the air permit and was documented in Air Operation Permit Deviation Summary Reports provided during the reporting period and was also summarized in the air operating permit Semi-Annual Data Report. This exceedance is detailed below.

There was one incident in which a supplemental gas extraction point (i.e. leachate cleanout S2P4ALC1) exhibited operating conditions that exceeded those specified in the air permit due to poor gas quality. The exceedances could not be corrected within the timeframe allowed by the air permit and an alternate timeline to achieve compliant conditions was requested on January 27, 2017 and approved by the Department on February 1, 2017 (**Appendix A**). The corrective actions performed did not correct the operating conditions and the abandonment of this supplemental gas extraction point was requested on February 13, 2017 and approved by the Department on February 14, 2017 (**Appendix A**). Documentation of the abandonment was provided to the Department on March 3, 2017, within 30 days of abandonment as required by the approval. Because the alternate timeline was approved one day after the 15-day deadline specified in the air permit, the incident was documented as a deviation in an Air Operation Permit Deviation Summary Report which was provided to the WDNR Air Management Bureau.

There were no other incidents that resulted in wellfield deviations. However, there were two other incidents in which an alternate operating condition or abandonment was requested. These incidents are detailed below.

Vertical gas extraction well SEC2GW45 had exhibited operating temperatures near or in excess of the 131 deg. F maximum operating temperature specified in the air permit periodically since installation and consistently during 2017. Any instances of operating temperatures in excess of 131 deg. F were corrected within 15 days and did not result in deviations of the air permit or NSPS regulations. A request for an alternate operating standard at SEC2GW45 was requested on August 3, 2017. In a letter dated October 17, 2017 (**Appendix A**) , the Department granted an alternate operating standard of up to 143 deg. F at SEC2GW45.

One supplemental gas extraction point (i.e. odor control point S2P04OC4) exhibited watered out conditions during the reporting period, likely due to settlement in the waste mass. Although the supplemental gas extraction point did not exceed the air permit operating conditions, the liquid present in the lateral did not allow the point to properly function as a gas extraction point. A request to abandon this supplemental point was provided to the Department on November 14, 2017. The Department approved the abandonment of this supplemental point on January 2, 2018 (**Appendix A**). Documentation of the abandonment was provided to the Department on February 14, 2018, within 30 days of abandonment as required by the approval.

A summary of the approvals issued by the WDNR during 2017 is below. All approvals are provided with this report as **Appendix A**.

Approval Date	Description	Affected Monitoring Points
February 1, 2017	Alternate Timeline to Achieve Compliant Operating Conditions	S2P4ALC1
February 14, 2017	Abandonment Approval	S2P4ALC1
October 17, 2017	Alternate Operating Standard	SEC2GW45
January 2, 2018	Abandonment Approval	ScP04OC4

The information required by this permit condition (i.e. 11.g.) was addressed in the semi-annual Air Pollution Control Operation Permit Semi-Annual Data Reports provided to the WDNR Air Management Bureau and also annually to the Bureau of Solid and Hazardous Waste Management with the submission of this annual report. The requirement to provide this data to the Bureau of Solid and Hazardous Waste Management on a quarterly basis was written when the approval was issued in July 1990, prior to the issuance of the facility's air operation permit.

Approval Reference
December 13, 1990
Facility Closure Documentation Approval and Plan Modification Approval, Eau Claire County Seven Mile Creek Sector 1 Landfill, License #2821

5. The annual reports, as originally required by the Department in the plan of operation approval shall be expanded to include all of the following:

a. Documentation of all site maintenance inspections and documentation of all maintenance work performed on the landfill over the past year.

Response
Maintenance, repairs, and improvements were conducted as needed during 2017 based on visual observations, site personnel and consultant inspections. A summary of these activities and the months that the work was conducted is provided in the Maintenance and Repairs Summary (**Appendix D, Attachment D-1**).

Monthly inspections were conducted in accordance with the facility's spill prevention plan. Quarterly inspections of the general site conditions, infiltration basins, and structural controls were conducted by site personnel in March, June, September, November and December 2017. An Annual Facility Site Compliance Inspection Report was completed in December 2017. Additionally, visual inspections of the wellfield components and visual observations of the landfill cover areas are conducted monthly during the gas system monitoring events. Site inspection forms are provided in **Appendix D, Attachment D-2**. Maintenance or repairs conducted because of issues identified during the inspections and any routine maintenance performed in accordance with the facility's Malfunction Prevention and Abatement Plan were documented in the Maintenance and Repairs Summary (**Appendix D, Attachment D-1**).

There were also inspections of the monitoring components performed in April and October 2017. Documentation is provided in the Monitoring Well, Lysimeter, and Leachate Head Well Condition Report provided as **Appendix D, Attachment D-3**.

Approval Reference
December 13, 1990
Facility Closure Documentation Approval and Plan Modification Approval, Eau Claire County Seven Mile Creek Sector 1 Landfill, License #2821

5. The annual reports, as originally required by the Department in the plan of operation approval shall be expanded to include all of the following:

b. Summary of the groundwater monitoring results over the past year and a discussion of the need for any changes to the groundwater monitoring program.

Response
Groundwater monitoring was conducted at the facility in April and October 2017 in accordance with the Modification of the Plan of Operation Approval and Revised Summary of Environmental Monitoring Requirements dated October 27, 2016. Additional revisions of the monitoring program were provided in the Revised Summary of Environmental Monitoring Requirements dated February 28, 2017 (**Appendix A**). Although the revisions did not affect the groundwater monitoring wells, the February 28, 2017 document includes the current groundwater monitoring program for the facility. A summary of the Sector 1 and Sector 2 groundwater monitoring results were provided to the Department on a semi-annual basis in the groundwater monitoring reports included as **Appendix E, Attachment E-1**.

Approval Reference
December 13, 1990
Facility Closure Documentation Approval and Plan Modification Approval, Eau Claire County Seven Mile Creek Sector 1 Landfill, License #2821

5. The annual reports, as originally required by the Department in the plan of operation approval shall be expanded to include all of the following:

c. Summary of the leachate head elevations over the past year and any concern for head build up with in the landfill and the need for any changes to the leachate head monitoring program. Results of the head well assessment required by condition 14 of this approval.

14. Beginning in 1992 and every two years thereafter, the condition of all head wells shall be assessed. This procedure shall include measurements of well depth and comparison to installed depth, and a slug test. The results of these tests shall be included in the annual report.

Response

Head well monitoring is conducted annually at the head wells located in Sector 1 and monthly at the head wells located in Sector 2. Information regarding the Sector 1 and Sector 2 leachate head well monitoring is provided below. The Sector 1 head well assessment required by Condition 14 was conducted in 2016 and provided with the 2016 Annual Report. The next biennial head well assessment was conducted in July 2018 and will be discussed in the 2018 Annual Report.

Sector 1 Leachate Head Well Monitoring:

The annual head well monitoring for Sector 1 was conducted in April 2017. A summary of the monitoring data is provided as **Appendix C, Table C-1**. Leachate head well LHW-3A was dry during the annual monitoring event. Leachate head wells LHW-1A, LHW-1B, LHW-2A, LHW-4B, LHW-5B, and LHW-6B had liquid levels that ranged from 1.5 ft. to 4.3 ft. Leachate head well LHW-2B, LHW-3BR, LHW-4A, LHW-5A, and LHW-6A had liquid levels that measured between 6.5 ft. and 13.2 ft. In general, the head levels recorded during the annual event in 2017 were slightly higher than those recorded during the annual event in 2016. The Sector 1 leachate levels were reduced in 2018 when the head wells were developed and purged as part of the biennial head well assessment conducted in July 2018. Additional information regarding the leachate head well assessment will be provided in the 2018 Annual Report.

Section NR 504.06(1) (a) of the Wisconsin Administrative Code requires that composite landfill liners constructed after July 1, 1996 be designed with leachate collection systems capable of limiting the average leachate head to one foot or less during operation and after closure of the landfill. Sector 1 of the facility was constructed prior July 1, 1996 and is therefore not subject to the one-foot requirement. However, the site continues to remove leachate from Sector 1 to minimize head levels.

Sector 2 Leachate Head Well Monitoring:

Sector 2 contains three vertical leachate head wells (VLHW-1A, VLHW-2A, and VLHW-3A) and 15 leachate head wells constructed along the landfill side slopes (LHW-4A, LHW-4B, LHW-5A, LHW-5B, LHW-6A, LHW-6B, LHW-7A, LHW-7B, LHW-8, LHW-9, LHW-10A, LHW-10B, LHW-11, LHW-12, and LHW-13). Vertical head wells were measured with a liquid level indicator tape. Side-slope head well LHW-13 was measured with a dipstick and popper from January 2017 through September 2017. A bubbler system was installed in October 2017 and used for measurements for the remainder of the reporting period. The other side-slope head wells were measured with a bubbler system throughout 2017. A summary of the monthly leachate head well monitoring results for Sector 2 is provided as **Table C-2** in **Appendix C**.

The leachate head well monitoring results indicated sustained head levels greater than one foot at the vertical head well VLHW-1A during the monthly monitoring events in 2017. These liquid levels are consistent with historic data. The vertical leachate head wells VLHW-2A and VLHW-3A had measured liquid levels greater than one foot in January, February, and March 2017. It is suspected that the elevated head levels in the vertical leachate head wells may be due in part to perched liquid in the waste mass. An obstruction was encountered at vertical head well VLHW-2A beginning with the April 2017 monitoring event. Liquid levels were attempted monthly but could not be obtained for the remainder of the reporting period. No liquid was detected in vertical leachate head well LHW-3A from April through December 2017.

It is suspected that the elevated liquid levels in the vertical leachate head wells do not represent actual leachate depths and are the result of perched liquid in the waste mass. The recorded elevated heads at

VLHW-1A may be further affected by measurement difficulties. Liquid within the head well appears to foam making it difficult for the measuring instrumentation to clearly detect the liquid level. In addition, the internal vacuum within the landfill has been noted to cause leachate to foam and rise inside the vertical wells, generating liquid levels that are not representative of actual conditions.

The vertical leachate head wells (i.e. VLHW-1A, VLHW-2A, and VLHW-3A) were drilled as replacement head wells and were installed to depths that are approximately 10 feet above the landfill liner. As such, measurements made at these head wells do not indicate the presence of liquid on the liner in Phases 1-3 of the facility. It is suspected that these liquid levels indicate perched liquid within the waste mass. The leachate in these Phases of the facility is collected by means of a gravity drain system and there are no sumps to provide an alternate means of liquid level measurement in these Phases. It is anticipated that monthly liquid levels will continue to indicate the presence of perched liquid within these Phases of the facility.

Readings recorded at the 14 leachate head wells fitted with bubblers (LHW-4A/B through LHW-12) indicated less than one foot of liquid during the monthly monitoring events. Leachate head well LHW-13 was measured with a dipstick and popper device since monitoring began during 2017. It was determined in September 2017 that this side-slope head well should be measured to a length of 116.6 ft.; as a result, monitoring conducted monthly from January through August 2017 had inadvertently been performed incorrectly and were short of the full length. Monitoring conducted in September 2017 to the full length indicated dry conditions. These measurements are noted on the Leachate Headwell Monitoring Summary provided as **Appendix C, Table C-2**. Leachate head well LHW-13 was fitted with a bubbler in October 2018; dry conditions were noted for the duration of the reporting period. It is reasonable to suspect that there were dry conditions at LHW-13 since installation in January 2017.

The average liquid level on the liner in Sector 2 was less than one foot throughout the reporting period. ADS continued to haul leachate off-site throughout 2017. No leachate was recirculated and no RD&D liquids were applied in the phases of the facility that contain vertical leachate head wells (i.e. Phases 1-3). Additionally, ADS-SMCL maintains liquid extraction pumps in a number of gas extraction wells to improve gas collection. These pumps also supplement the leachate extraction system at the facility.

Approval Reference
December 13, 1990
Facility Closure Documentation Approval and Plan Modification Approval, Eau Claire County Seven Mile Creek Sector 1 Landfill, License #2821

5. The annual reports, as originally required by the Department in the plan of operation approval shall be expanded to include all of the following:

a. Summary of the leachate quantity and quality over the past year.

Response
A summary of the leachate volumes pumped from Sector 1 and Sector 2 are provided as **Appendix C, Table C-3**. Leachate was not recirculated at the facility during 2017. Leachate quality results for the samples collected from Sector 1 and Sector 2 are summarized in **Appendix C, Attachment C-1**.

Approval Reference
December 13, 1990
Facility Closure Documentation Approval and Plan Modification Approval, Eau Claire County Seven Mile Creek Sector 1 Landfill, License #2821

5. The annual reports, as originally required by the Department in the plan of operation approval shall be expanded to include all of the following:

b. Summary of leachate line cleaning over the past year.

Response
The Sector 1 and Sector 2 leachate lines were cleaned by Superior Jetting on July 17-21, 2017. Additional jetting was also conducted on October 16-18, 2017. Documentation of the line jetting is provided in **Appendix D, Attachment D-4**. The garbage noted in Phase 13 was likely due to heavy rains during construction of the Phase 13 that may have resulted in debris washing into the cell at the time. The Phase 13 lines were jetted through the full length during 2018 which confirms that the Phase 13 lines are open.

Approval Reference
December 13, 1990
Facility Closure Documentation Approval and Plan Modification Approval, Eau Claire County Seven Mile Creek Sector 1 Landfill, License #2821

5. The annual reports, as originally required by the Department in the plan of operation approval shall be expanded to include all of the following:

c. Summary of gas probe monitoring and the active gas extraction system operations over the past year.

Response
The Sector 1 gas probes are required to be monitored annually in April. The Sector 2 gas probes are required by the facility permit to be monitored quarterly in January, April, July, and October. Although not required, the Sector 1 gas probes were also monitored quarterly during 2017. Due to an inadvertent oversight, the July 2017 quarterly gas probe monitoring was missed in July and was performed on August 7, 2017. No methane was detected at the Sector 1 or Sector 2 gas monitoring probes located around the facility during the August 2017 monitoring event or during the other quarterly monitoring events in January, April, and October 2017. Although the July gas probe monitoring event occurred in August, based on historical evaluation as well as subsequent non detections, there is a high confidence level that the July 2017 readings would not have deviated from the normal trend. Gas probe monitoring data is provided as **Appendix B, Attachment B-2**.

A summary of the active gas extraction system operation was provided above in response to Approval Condition 11.g of the July 30, 1990 Modification to the Plan of Operation Approval.

Approval Reference
December 13, 1990
Facility Closure Documentation Approval and Plan Modification Approval, Eau Claire County Seven Mile Creek Sector 1 Landfill, License #2821

5. The annual reports, as originally required by the Department in the plan of operation approval shall be expanded to include all of the following:

d. Narrative of the general overall status of the landfill and any problems or concerns with the landfill.

Response
On June 4, 2017, there was a fire on the working face of the landfill at approximately 2:00 PM. The Eau Claire Fire Department was contacted and responded to the facility. The fire was completely extinguished by 3:30 PM. The fire was superficial and covered a 60 ft. by 60 ft. area on the working face. The fire was extinguished with water and was covered with 1 ft. of soil. No evidence of fire (smoke, odors, flames, or water used to extinguish) were observable by 3:30 PM. There was no equipment damage or runoff from the water used to extinguish the fire. ADS personnel notified WDNR of the incident by telephone voicemail on the morning of June 5, 2017. An incident report was also prepared as an internal requirement and is retained on site as part of the facility record. No additional action was required.

There were no other issues with the solid waste disposal operations during 2017. Improvements were conducted as needed in order to operate the gas extraction system efficiently and to maintain compliance with the facility air permit. Facility inspections were performed throughout 2017; repairs and maintenance were conducted as needed. Any operational issues were addressed in a timely manner.

Elevated leachate head levels were reported in the three vertical head wells located in Sector 2, Phases 1-3 of the facility during one or more months in 2017. It is suspected that the elevated leachate heads are due to perched liquid in the waste mass surrounding the vertical head wells in addition to measurement difficulties. There were no elevated liquid levels measured at the other Sector 2 side-slope leachate head wells. Additional information was provided above in response to Condition 5.c. of the December 13, 1990 Approval.

Approval Reference
October 6, 1993
Construction Documentation Approval for the Active Gas Extraction System at the Closed Eau Claire County Seven Mile Creek Sector 1 Landfill.

4. The annual report shall include the following additional information regarding the operation, maintenance, and monitoring of the gas extraction system over the previous year:

a. Summary of the gas probe monitoring with all exceedances of 25% of the lower explosive limit (LEL) included in a table format.

Response
A discussion of the gas probe monitoring conducted at the facility during 2017 was provided above in response to Condition 5.f. of the December 13, 1990 Approval. No methane was detected during the 2017 monitoring events; as such, there were no exceedances of the 25% LEL during the reporting period.

Approval Reference
October 6, 1993
Construction Documentation Approval for the Active Gas Extraction System at the Closed Eau Claire County Seven Mile Creek Sector 1 Landfill.

4. The annual report shall include the following additional information regarding the operation, maintenance, and monitoring of the gas extraction system over the previous year:

b. Summary of the gas extraction system monitoring including the completed forms included in the appendix C of the O & M manual.

Response
Gas extraction system monitoring data is provided with this report as **Appendix B, Attachment B-1**. Beginning in 2013, Advanced Disposal Services implemented a gas extraction system monitoring database. The database acts as a primary location to maintain facility data records for gas extraction system monitoring required by the solid waste permit, the facility air permit, and greenhouse gas reporting requirements. The database is also used by ADS-SMCL personnel as a tool for tracking required monitoring data and exceedances of the air operating permit requirements. The gas extraction system monitoring data provided with this report incorporates pertinent information contained in forms provided in the O & M manual.

Approval Reference
October 6, 1993
Construction Documentation Approval for the Active Gas Extraction System at the Closed Eau Claire County Seven Mile Creek Sector 1 Landfill.

4. The annual report shall include the following additional information regarding the operation, maintenance, and monitoring of the gas extraction system over the previous year:

c. Summary of the gas extraction system operation and maintenance, indicating all down time, problems, etc., and proposed solutions, and an estimate of condensate extracted from the system.

Response
A summary of the gas extraction system operation and maintenance including downtimes, problems, and solutions was included previously in response to Approval Condition 11.g of the July 30, 1990 Modification to the Plan of Operation Approval.

The gas condensate generated at the facility is disposed of in the leachate collection system by means of a gravity drain system. Gas condensate volumes generated are included in the total leachate volume produced at the facility. The facility does not have a means of monitoring the volume of gas condensate produced and therefore cannot provide an estimate of gas condensate extracted from the system.

Approval Reference
April 24, 1998
Plan of Operation Modification for Alternate Daily Cover Materials, Special Waste Plan Approval and Revisions to the Liner, Leachate Collection System, Active Gas Extraction System and Cap for Superior Seven Mile Creek Sanitary Landfill Sector 2, Eau Claire County, License No. 3097

3. A summary of the performance of the paper mill sludge, shredder fluff, foundry sand and street sweepings being used as alternative daily cover shall be included in the annual report. The following items shall be addressed as part of the report:

a. Volume and tonnage of paper mill sludge, shredder fluff, foundry sand and street sweepings delivered to the landfill and tonnages utilized for daily cover.

Response
During 2017, the facility accepted shredder fluff, foundry sand and street sweepings for use as alternate daily cover. The paper mill sludge accepted at the facility during 2017 was not used for alternate daily cover. In accordance with the WDNR approval issued December 5, 2015, the facility may also use sediment from the clean-up of the Eau Claire Wastewater Treatment Plant as alternate daily cover. The Eau Claire Wastewater Treatment Plant sediment was not accepted during 2017. A summary of tonnages accepted at the facility and tonnages used for alternate daily cover during 2017 is provided below.

Material	2017 Tonnage Accepted	2017 Tonnage used for Daily Cover
Paper Mill Sludge	3,094	0
Shredder Fluff	56,483	56,483
Foundry Sand	7,145	7,145
Street Sweepings	17,669	17,669
Sediment (Eau Claire WWTP)	0	0

Condition 16 of the April 19, 2005 Conditional Plan of Operation for the Proposed Horizontal and Vertical Expansion of the Onyx Seven Mile Creek Sector 2 Landfill, requires that specific information regarding quantities of approved beneficially reused materials applied at SMCL for the previous year be reported to the Department by March 31 of the following year. This requirement was fulfilled with the 2017 Beneficial Reuse of Waste Materials at Advanced Disposal Services Seven Mile Creek Landfill, LLC, which was provided to the Department on March 30, 2018.

Approval Reference
April 24, 1998
Plan of Operation Modification for Alternate Daily Cover Materials, Special Waste Plan Approval and Revisions to the Liner, Leachate Collection System, Active Gas Extraction System and Cap for Superior Seven Mile Creek Sanitary Landfill Sector 2, Eau Claire County, License No. 3097

3. A summary of the performance of the paper mill sludge, shredder fluff, foundry sand and street sweepings being used as alternative daily cover shall be included in the annual report. The following items shall be addressed as part of the report:

b. Performance and usage of paper mill sludge, shredder fluff, foundry sand and street sweepings in differing weather conditions and seasons.

Response
Paper mill sludge was not used as alternate daily cover during 2017.

Notable variances have been observed with shredder fluff in differing weather conditions. The shredder fluff generates dust in very dry conditions. The fluff must then be watered down to control the dust. During wet times of year, the absorptive properties of the shredder fluff keeps the landfill accessible for truck traffic and reduces the need to lay down clean road rock.

Performance and usages of foundry sand and street sweepings as alternate daily cover did not vary with differing weather conditions and the performance of all materials used met the requirements for alternate daily cover.

Approval Reference
April 24, 1998
Plan of Operation Modification for Alternate Daily Cover Materials, Special Waste Plan Approval and Revisions to the Liner, Leachate Collection System, Active Gas Extraction System and Cap for Superior Seven Mile Creek Sanitary Landfill Sector 2, Eau Claire County, License No. 3097

3. A summary of the performance of the paper mill sludge, shredder fluff, foundry sand and street sweepings being used as alternative daily cover shall be included in the annual report. The following items shall be addressed as part of the report:

c. Physical properties and handling characteristics of paper mill sludge, shredder fluff, foundry sand and street sweepings used as daily cover.

Response
Paper mill sludge was not used as alternate daily cover during 2017.

Shredder fluff is typically comprised of the nonmetallic content of automobile materials and varies in size and density. Foundry sand varies in color and granular quality. It spreads easily with a wide track dozer and provides for adequate daily cover. Street sweepings typically consist of medium to coarse-grained sand with residual waste and leaves that are swept off the street. It spreads easily with a dozer and provides for adequate daily cover.

Approval Reference
April 24, 1998
Plan of Operation Modification for Alternate Daily Cover Materials, Special Waste Plan Approval and Revisions to the Liner, Leachate Collection System, Active Gas Extraction System and Cap for Superior Seven Mile Creek Sanitary Landfill Sector 2, Eau Claire County, License No. 3097

3. A summary of the performance of the paper mill sludge, shredder fluff, foundry sand and street sweepings being used as alternative daily cover shall be included in the annual report. The following items shall be addressed as part of the report:

d. Problems encountered or adaptations incorporated into procedures used with paper mill sludge, shredder fluff, foundry sand and street sweepings as daily cover.

Response
No paper mill sludge was used for alternate daily cover during 2017.

The only problems encountered with alternate daily cover were typical and involved the auto shredder fluff. The larger foam chunks have a tendency to be tracked away from the fill area and have to be manually collected on a regular basis and re-deposited in the fill areas. The shredder fluff also generates dust in very dry conditions. In order to control the dust, the facility has incorporated procedures to water down the fluff to eliminate the dust. There were no unordinary issues with auto shredder fluff and no problems encountered with the foundry sands or street sweepings during 2017.

Approval Reference
April 24, 1998
Plan of Operation Modification for Alternate Daily Cover Materials, Special Waste Plan Approval and Revisions to the Liner, Leachate Collection System, Active Gas Extraction System and Cap for Superior Seven Mile Creek Sanitary Landfill Sector 2, Eau Claire County, License No. 3097

3. A summary of the performance of the paper mill sludge, shredder fluff, foundry sand and street sweepings being used as alternative daily cover shall be included in the annual report. The following items shall be addressed as part of the report:

e. Analytical data generated by quarterly and annual testing of the paper mill sludge, shredder fluff, foundry sand and street sweepings.

Response
The testing requirements for shredder fluff included in the April 24, 1998 Plan of Operation Modification were revised with the issuance of subsequent approvals. The facility is currently conducting shredder fluff analyses in accordance with the April 19, 2005 Conditional Plan of Operation for the Proposed Horizontal and Vertical Expansion. Additional information regarding laboratory analysis of shredder fluff is provided below in response to Approval Condition 34 of the April 19, 2005 Conditional Plan of Operation.

Analytical requirements for paper mill sludge, foundry sand, and street sweepings are discussed in the following sections. Paper mill sludge was not used as alternate daily cover during 2017. No analytical testing was required.

Approval Reference
April 24, 1998
Plan of Operation Modification for Alternate Daily Cover Materials, Special Waste Plan Approval and Revisions to the Liner, Leachate Collection System, Active Gas Extraction System and Cap for Superior Seven Mile Creek Sanitary Landfill Sector 2, Eau Claire County, License No. 3097

2. Superior Seven Mile Creek shall ensure that the foundry sand from Winona, Minnesota and the street sweepings from the City of Eau Claire meet the following criteria:

f. On an annual basis a grain size distribution analysis to the #200 sieve shall be performed with the results included in the annual report.

Response
Due to an oversight, the annual grain size distribution analysis was not performed on the City of Eau Claire street sweepings during 2017. The grain size analysis from 2016 is provided as **Appendix F, Attachment F-1**.

The site did not accept foundry sand from Winona, Minnesota during 2017.

Approval Reference
April 24, 1998
Plan of Operation Modification for Alternate Daily Cover Materials, Special Waste Plan Approval and Revisions to the Liner, Leachate Collection System, Active Gas Extraction System and Cap for Superior Seven Mile Creek Sanitary Landfill Sector 2, Eau Claire County, License No. 3097

8. Superior Seven Mile Creek Landfill shall monitor the paper mill sludge for solids content quarterly and include the results in the annual report.

Response
Paper mill sludge was not used for ADC at the facility during 2017. No quarterly solids content analysis was required.

WI Administrative Code Requirement
NR 506.14: Non-free liquid solid wastes
(2)(e) An annual report is submitted which documents the daily mixing ratios of each sludge waste to municipal solid waste on both a weight and volume basis and any operational problems.

Response
ADS-SMCL accepted 3,391 tons of sludge material during 2017. Mixing ratios for sludge to municipal solid waste were calculated by weight and volume and are provided below. There were no operational problems encountered during the reporting period.

Sludge to MSW Ratio (Tons)			
Waste Type	**Sum/year**	**Avg/day**	**Sludge to MSW Ratio**
Sludge Total (tons):	3,391	13	1: 86
MSW Total (tons):	292,191	1,124	

Sludge to MSW Ratio (Cubic Yards)			
Waste Type	**Sum/year**	**Avg/day**	**Sludge to MSW Ratio**
Sludge Total (c.y.)	3,083	12	1: 158
MSW Total (c.y.)	486,985	1,873	

Approval Reference
April 19, 2005
Conditional Plan of Operation for the Proposed Horizontal and Vertical Expansion of the Onyx Seven Mile Creek Sector 2 Landfill, License # 3097

34. Condition 19 of the Departments May 21, 2002 Plan of Operation Approval is rescinded and replaced by the following:

Shredder fluff is approved for use as alternative daily cover. Shredder fluff shall be sampled and tested as follows below. The results of all testing shall be submitted to the Department annually except in accordance with paragraph b (below), when more frequent reporting is required. The sampling collection dates and times shall be included with the submittal. Testing shall be performed on a quarterly basis if more than 10,000 tons of fluff per year is accepted from a producer, otherwise testing shall be performed on a semi-annual basis.

a. Ten samples of each source of shredder fluff shall be collected over a five-day period. Each sample shall be obtained by removing a shovel full of fluff from the conveyor once an hour for a four-hour period in the morning and then again for another four-hour period in the afternoon. Each day's sampling shall be composited into a single sample. The resulting daily sample shall be coned and quartered until 10 gallons of fluff remain. Each 10-gallon sample shall be coned and quartered into two five-gallon samples. The samples shall be stored in sealed containers made of inert material until they are analyzed in a laboratory. The 10 resultant five-gallon samples shall then be tested as outlined in (b) through (d) below.

Three samples from each source of shredder fluff shall be randomly selected and analyzed at a lab for lead, cadmium and mercury using the Toxicity Characteristic Leaching Procedure (TCLP) testing method and for PCB's using a total elemental extraction test method referenced in 40 CFR Part 761.358. If all three samples test below the regulatory limit, then the simple arithmetic mean for the three samples shall be reported as one test result. If any of the three samples tests above the regulatory limit for any parameter, then the remaining seven samples as referenced in a. above shall be tested for the exceeded parameter and the simple arithmetic mean for the ten samples shall be reported as one test result. A rolling average shall then be used to determine the regulatory status of the shredder fluff. The rolling average shall be based upon the five most recent test values for the above parameters. The oldest test values shall be dropped from the average as each new value is added. Shredder fluff from an individual auto shredder shall not be accepted at the landfill if their rolling average exceeds 80% of the regulatory limit for a parameter listed below.

b. <u>Regulatory Limits</u>

TCLP		**Solids analysis**	
Lead	**5.0 mg/l**	**PCB's**	**50 mg/kg**
Cadmium	**1.0 mg/l**		
Mercury	**0.2 mg/l**		

If an individual sampling event (arithmetic mean for ten samples) exceeds a regulatory limit for any parameter, an additional sampling event in accordance with paragraph a., above, shall immediately be performed and the samples shall be analyzed for the exceeded parameter in accordance with paragraph b., above. Results shall be submitted to the Department within 30 days of the testing.

c. On an annual basis, one sample of shredder fluff from each source shall be subject to the ASTM D 3987-85 water leach test and the leaching fluid shall be analyzed for dissolved PCB's using an analytical method with a level of detection <10 microgram per liter.

d. Beginning the year after OSMCL receives more than 10,000 tons of shredder fluff from a specific source and every five years thereafter, each source of shredder fluff accepted at the landfill that on average exceeded 10,000 tons per year acceptance rate shall be tested for an extended list of contaminants, including fire retardants, hydrocarbons, BTEXs and physical properties. A proposal for testing shall be submitted to the Department for concurrence at least 60 days prior to the testing.

Response

The facility received more than 10,000 tons of shredder fluff from a producer during 2017. In accordance with this approval, quarterly samples were collected and analyzed as required by conditions a., b., and c. above. Laboratory analyses are provided with this report in **Appendix F, Attachment F-2**.

The five-year extended analysis required by condition d. was conducted during 2013 and was therefore not required in 2017. The next five-year analysis will be performed in 2018.

Approval Reference
April 19, 2005
Conditional Plan of Operation for the Proposed Horizontal and Vertical Expansion of the Onyx Seven Mile Creek Sector 2 Landfill, License # 3097

14. The condition of the exposed geosynthetics in the areas of final cover removal shall be noted and reported to the Department annually while final cover removal is ongoing. The results of the observations shall be utilized in the selection of geosynthetics for construction of future final cover phases. The observations shall include:

a. Impacts of sediment and clogging on the flow capacity of the geocomposite drain layer.
b. Damage, penetrations, or tensile stress on the geomembrane.
c. Changes to the hydraulic conductivity of the geosynthetic clay liner and any signs of panel separation.

Response

Dr. Craig Benson of the University of Wisconsin, Department of Engineering conducted the evaluation on the geosynthetic components of the final cap on June 15, 2007. The evaluation report was provided to the WDNR in July 2008. No additional action is required for this permit condition.

Approval Reference
July 19, 2007
Approval of Organic Stability Plan, Modification to the Plan of Operation Approval, Veolia Seven Mile Creek Landfill, Eau Claire County, License No. 3097

Reporting
Annual progress reports shall be prepared in accordance with NR 514.07(9)(d), Wis. Adm. Code. Annual reports shall include an evaluation of needed plan revisions to correct problems, opportunities for increased efficiencies or changes to the contingency plan as the state of the art changes. Every five years, Veolia shall examine the approved plan's progress in achieving the goals and the need to implement the contingency plan. A report describing the evaluation and conclusions shall be submitted to the Department as part of the annual progress report. The Department may require the implementation of some or all of the methods itemized in the contingency plan if the report or the Department's independent conclusions determined that the landfill has not made adequate progress toward achieving the established goals.

Response
The annual progress report required by this permit condition is provided with this solid waste annual report in the SCS Engineers Technical Memorandum included as **Appendix G, Attachment G-1**.

Approval Reference
July 17, 2007
Research, Development and Demonstration (RD&D) Plan, Modification to the Plan of Operation Approval, Veolia Seven Mile Creek Landfill, Eau Claire County, License No. 3097

Reporting:
Annual updates related to the RD&D plan will be included in the Annual Report. A final report will be prepared at the end of the testing period. The reports will assess the attainment of goals proposed for the process, recommend changes, recommend any additional work, and summarize problems and their resolution. Reports will include a summary of all monitoring data, testing data and observations of process or effects and will include a summary of all monitoring data, testing data and observations of process or effects and will include recommendations for continuance or termination of the process.

Response
The RD&D Plan was issued on July 17, 2007 and was renewed on November 29, 2010 and December 9, 2013. The third renewal request was approved by the Department on August 25, 2016.

There were no modifications to the reporting conditions included in the subsequent renewals. The annual updates required by this permit condition are provided with this solid waste annual report in the SCS Engineers Technical Memorandum included as **Appendix G, Attachment G-2**.

Approval Reference
July 17, 2007
Research, Development and Demonstration (RD&D) Plan, Modification to the Plan of Operation Approval, Veolia Seven Mile Creek Landfill, Eau Claire County, License No. 3097

6. Annual and final reports for the RD&D plan shall comply with the following as well as the requirements of s.NR514.10(1)(f), Wis.Adm.Code:
- ***a. Annual and final reports may be submitted with the annual report and in accordance with the approved deadline date for the annual report for VSMCL,***
- ***b. Waste samples shall be obtained from either borings for gas extraction well or dedicated borings to define shear strength parameters of decomposed waste that will be used in geotechnical stability analysis required by s.NR514.10(2)(h), Wis.Adm.Code. The geotechnical stability analysis shall be submitted as part of the final 3 year report.***

Response
The annual report required by this permit condition is provided with this solid waste annual report in the SCS Engineers Technical Memorandum included as **Appendix G, Attachment G-2**. It is anticipated that the final report will be issued after the expiration of the third consecutive RD&D renewal.

3.0 COMPOSTABLE MATERIAL FACILITY OPERATIONS

Approval Reference
February 22, 2013
Approval for a Source-Separated Compostable Material Facility, Total Volume of Less than 5,000 Cubic Yards, Advanced Disposal Services, 8001 Olson Drive - Eau Claire, WI 54703, Eau Claire County

Recordkeeping and Reporting

4. Compost pile turning frequency and temperature readings as appropriate to the composting method shall be documented and maintained to demonstrate pathogen reduction and odor control activities. If the facility plans to produce Class A compost the compost shall meet the requirements of NR 502.12(16)(a),(b),(c) and (d). Records shall be made available to the Department upon request or during site inspections during normal business hours.

Response

Compost pile turning frequency and temperature readings are documented on the Compost Facility Field Monitoring Form. An example form is provided as **Appendix H, Attachment H-1.** The records are retained on site and shall be made available to the Department upon request as required by this permit condition.

The facility took part in a pilot program coordinated by the WDNR, which began in 2012. The WDNR issued a formal approval of the source-separated compost facility with the February 22, 2013 approval.

During 2017, compost was processed by the windrow method specified in condition NR 502.12(16)(b)1. The Compost Facility Field Monitoring Form and Maintenance Documents retained on site provide record of the operation. The compost met condition (16)(a) which requires that the compost be composed entirely of source-separated compostable materials. The facility did not sell or distribute any compost processed during 2017. The only compost utilized during 2017 was for on-site use.

The facility has a permitted capacity of less than 5,000 cubic yards, as such, it is exempt from conditions NR 502.12(16)(c) and (d).

Approval Reference
February 22, 2013
Approval for a Source-Separated Compostable Material Facility, Total Volume of Less than 5,000 Cubic Yards, Advanced Disposal Services, 8001 Olson Drive - Eau Claire, WI 54703, Eau Claire County

Recordkeeping and Reporting

5. A summary of information listed in NR 502.12(15)(b)3 and 4 shall be submitted each year on the annual license renewal form supplied by the Department.

Response
The information required by NR502.12 (15) 3. and 4. is listed below.

NR502.12 (15)

3. Annual quantities and types of raw materials received and compost produced, in tons. Tonnage estimates may be based on volume records where scale weights are not available.
4. Annual quantity of compost sold, distributed or used, in tons, and quantity of class A compost sold, distributed or used.

The source separated compostable material received at the facility during 2017 totaled 471.99 tons of material categorized as "other composted material". The facility did not sell or distribute any compost processed during 2017. A total of 100 cubic yards of compost was utilized during 2017 for on-site use. No material was sold or distributed as Class A Compost. The current license renewal form dated April 24, 2018 includes the 2017 material information and is provided as **Appendix H, Attachment H-2**. The license renewal application applies for the October 1, 2018 through September 30, 2019 license period.

Appendix A

WDNR Approvals and Correspondence

State of Wisconsin
DEPARTMENT OF NATURAL RESOURCES
1300 W. Clairemont Ave.
Eau Claire WI 54701

Scott Walker, Governor
Cathy Stepp, Secretary
Telephone 608-266-2621
Toll Free 1-888-936-7463
TTY Access via relay - 711

WISCONSIN
DEPT. OF NATURAL RESOURCES

February 1, 2017

Tracy Ipavec
Advanced Disposal Services
C/O Environmental Sampling Corp.
W125 S9808 North Cape Rd.
Muskego WI 53150

Subject: RE: Alternate Timeline Request for Supplemental Gas Extraction Point S2P4ALC1

Dear Ms. Ipavec:

This letter is in response to your letter, dated January 27, 2017, requesting an alternate timeline for correcting the oxygen operating condition at gas extraction point S2P4ALC1 at the Advanced Disposal Services – Seven Mile Creek Landfill (ADS-SMCL).

According to your letter, this gas extraction point has exceeded the air permit operating condition of a maximum of 5% oxygen content. After initial corrective actions were taken, the oxygen levels at the site continue to exceed the permitted limit. Additional time is required for analysis and corrective action.

Based on the information provided, the Air Program hereby approves Advanced Disposal's request for an alternate timeline for correcting the operating conditions at gas extraction point S2P4ALC1 at the Seven Mile Creek Landfill. ADS-SMCL will now be required to achieve compliance with oxygen levels no later than February 15, 2017.

If you have any questions regarding this letter or air quality issues, please contact John Tadelski at 715-461-0892 or john.tadelski@wisconsin.gov. If you have any questions regarding waste management, please contact Marty Herrick at 608-789-5518 or martin.herrick@wisconsin.gov.

Sincerely,

John Tadelski

John Tadelski, EIT
Air Management Engineer

cc: Marty Herrick, WDNR WMM
Ashley Gray, WDNR Air
Randy Frank, ADS
Tim Curry, ADS
Kari Rabideau, ADS
Michael Niewind, ADS
Mark Vinall, ADS
Joshua Malek, ADS
Jeff Hong, ADS
Tyler Field, Cornerstone Engineering
Frank Perugini, ESC

State of Wisconsin
DEPARTMENT OF NATURAL RESOURCES
1300 W. Clairemont Ave.
Eau Claire WI 54701

Scott Walker, Governor
Cathy Stepp, Secretary
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February 14, 2017

Tracy Ipavec
Environmental Sampling Corp.
P.O. Box 12
Muskego WI 53150-0012

Subject: RE: Request to Abandon Supplemental Gas Extraction Point S2P4ALC1

Dear Ms. Ipavec:

This letter is in response to your letter, dated February 13, 2017, requesting approval to abandon supplemental gas extraction point S2P4ALC1 at the Advanced Disposal Services – Seven Mile Creek Landfill (ADS-SMCL).

According to your letter, this extraction point is producing poor gas quality and low operating temperatures. In your letter dated January 27, 2017, you requested an alternate timeline to pursue further analysis and corrective action on the extraction point, which had elevated oxygen levels beyond permitted limits. The Wisconsin DNR (Department) granted this request in a letter on February 1, 2017. Your February 13 letter lists the analysis and corrective actions taken by ADS-SMCL on the extraction point and states that the point is located in an area with sufficient gas extraction coverage by existing gas extraction wells. Your letter further states that gas quality at this extraction point is not expected to improve over time.

Based on the information provided, the Air Program approves your request to abandon supplemental gas extraction point S2P4ALC1 at ADS-SMCL. ADS-SMCL must provide a record to the Department of the dates and method(s) of abandonment for this extraction point within 30 days of abandonment.

If you have any questions regarding this letter or air quality issues, please contact John Tadelski at 715-461-0892 or john.tadelski@wisconsin.gov. If you have any questions regarding waste management, please contact Marty Herrick at 608-789-5518 or martin.herrick@wisconsin.gov.

Sincerely,

John Tadelski, EIT
Air Management Engineer

cc: Susan Lindem, WDNR Air
Ashley Gray, WDNR Air
Marty Herrick, WDNR WMM
Randy Frank, ADS-Midwest
Tim Curry, ADS-Midwest
Kari Rabideau, ADS-Midwest
Mike Niewind, ADS-Midwest
Mark Vinall, ADS-SMCL
Josh Malek, ADS-SMCL
Jeff Hong, ADS
Tyler Field, Cornerstone Environmental
Frank Perugini, ESC

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Eau Claire WI 54701

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February 28, 2017

Mark Vinall, General Manager
Advanced Disposal Services Seven Mile Creek Landfill
8001 Olson Drive
Eau Claire, WI 54703

FID # 618045450
Eau Claire County
SW/Approvals

Subject: Revised Summary of Environmental Monitoring Requirements for the Advanced Disposal Services Seven Mile Creek Landfill Sector 2, License # 3097

Dear Mr. Vinall:

We have revised the Summary of Environmental Monitoring Requirements Tables 1A – 1E, which replaces the summary tables contained in the October 27, 2016, Modification of the Plan of Operation Approval for Seven Mile Creek Landfill (SMCL) Sector 2. Please include this letter in the written record for the landfill.

The lysimeter monitoring requirements in Table 1B have been revised. For monitoring liquid elevation at each lysimeter for semiannual events, report the liquid elevation data using the parameter code 4189, groundwater elevation, feet above mean sea level (msl). The department will transfer data previously reported under the parameter code 99423, leachate elevation to the parameter code 4189, groundwater elevation, msl.

The surface water monitoring requirements in Table 1C have been revised. The parameter description for nitrate (as nitrogen) incorrectly referred to collecting filtered samples. Samples for nitrate (as nitrogen) must be collected as *un*filtered similar to the other parameters for surface water monitoring.

The gas monitoring requirements in Table 1E have been revised. The department concurred with the request to change the frequency of leachate monitoring at the gas extraction wells from monthly to annually in an email dated April 11, 2016, to your consultant, Cornerstone Engineering Group, Inc.

The aforementioned revisions are reflected in the attached tables that summarized the environmental monitoring requirements for SMCL Sector 2. There are no changes made to the existing requirements to monitor groundwater, water supply wells, the leachate tank, or leachate head wells.

If you have questions regarding this letter, please contact Nathan Coller, Hydrogeologist at 715-635-4048, or nathan.coller@wi.gov by email.

Sincerely,

Jill Schoen

Jill Schoen, CHMM
Supervisor, Waste and Materials Management Program

cc: John Oswald, Cornerstone Engineering (email)
Marty Herrick, Waste Engineer/DNR, La Crosse (email)
Nathan Coller, DNR, Spooner (email)

Summary of Environmental Monitoring Requirements
ADS SEVEN MILE CREEK, SECTOR 2 LANDFILL – LICENSE # 3097
Tables 1A – 1E

Table 1A - GROUNDWATER MONITORING

Point Name (DNR Point ID)	**Frequency**	**Parameters**
DH-4R** (108) DH-18A (140) DH-18B (142) DH-22A (158) DH-22B (160) DH-32 (184) DH-33 (186) DH-33A (188) DH-34 (190) DH-35A (194) DH-36 (196) DH-39 (200) DH-39A (202) DH-40 (204) DH-41 (206) DH-43 (208) DH-43A (210) DH-45 (216) DH-46A (220) DH-47 (222) DH-47A (224) DH-48 (226) DH-49 (228) DH-49A (230) DH-52 (236) {DH-53} (238) And any others installed as needed.	Semi-Annually, (April and October)	00001 Odor 00002 Color 00003 Turbidity 00010 Temperature, Field (°C) 00094 Field Conductivity (umho/cm @ 25°C) 00400 pH, Field (standard units) 04189 Groundwater Elevation (ft. above MSL) 00941 Chloride, dissolved (mg/l) 22413 Hardness, Total, dissolved (mg/l) 39036 Alkalinity, Total, dissolved (mg/l)
	Annually (April)	VOCs listed in ch. NR 507, Appendix III, Wis. Adm. Code. Using an EPA SW-846 or s. NR 219.04, Wis. Adm. Code method that otherwise meets s. NR 507.17(4), Wis. Adm. Code
Subtitle-D wells: DH-18 (138) DH-22R (157) DH-35 (192) DH-46 (218)	Semi-Annually (April and October)	00001 Odor 00002 Color 00003 Turbidity 00010 Temperature, Field (°C) 00094 Field Conductivity (umho/cm @ 25°C) 00400 pH, Field (standard units) 04189 Groundwater Elevation (ft. above MSL) 00941 Chloride, dissolved (mg/l) 22413 Hardness, Total, dissolved (mg/l) 39036 Alkalinity, Total, dissolved (mg/l) VOCs listed in ch. NR 507, Appendix III, Wis. Adm. Code. Using an EPA SW-846 or s. NR 219.04, Wis. Adm. Code method that otherwise meets s. NR 507.17(4), Wis. Adm. Code

Well Name, Wisconsin Unique Well Number (DNR Point ID)	**Frequency**	**Parameters**
ADS Office Well, OH541 (356)** ADS Shop Well, WT191 (355) PW-2, Thompson Dahlby Residence, DK154 (362) PW-26, Steindl Residence, PY092 (386)	Semi-annually (April and October)	00010 Temperature, Field 00094 Field conductivity (@ 25°C) 00400 pH, Field 00410 Alkalinity, Total Unfiltered 00900 Hardness, Total Unfiltered 00940 Chloride, Total or Dissolved VOCs Using SDWA method 524.2

** denotes the monitoring point is shared by both Sector 1 and Sector 2 landfills. The data can be submitted with either license number.
{*DH-x*}=Monitoring point to be abandoned

Table 1B - LYSIMETER MONITORING

Point Name (DNR Point ID)	Frequency	Parameters
L-1A (400) L-2 (406) L-3 (408) L-4 (410)	Semi-annually (April and October)	00001 Odor 00002 Color 00003 Turbidity 00094 Field conductivity (@25°C) 00400 pH, Field 00410 Alkalinity, Total 00625 Total Kjeldahl Nitrogen 00900 Hardness, Total 00929 Sodium, Total 00940 Chloride, Total 00945 Sulfate, Total 04189 Groundwater Elevation (feet above MSL)
	Annually (April)	VOCs listed in ch. NR 507, Appendix III, Wis. Adm. Code. Using an EPA SW-846 or s. NR 219.04, Wis. Adm. Code method that otherwise meets s. NR 507.17(4), Wis. Adm. Code
	Monthly (reported semi-annually)	74064 Lysimeter Discharge in gallons 72002 Depth to Top of Groundwater in feet

Table 1C - SURFACE WATER MONITORING

Point Name (DNR Point ID)	Frequency	Parameter
Stream-1, upstream** (300) Stream-2, mid-stream** (302) Stream-3, downstream** (304) Note: Surface Water Elevation (Parameter Code 99520), is not required at Stream-2, mid-stream (DNR Point ID 302).	Semi-Annual (April, October)	00001 Odor 00002 Color 00003 Turbidity 00010 Temperature, Field 00094 Field conductivity (@ 25°C) 00299 Dissolved Oxygen 00400 pH, Field 00410 Alkalinity, Total Unfiltered 00620 Nitrate (NO_3-N), Unfiltered 00665 Total Phosphorous 00900 Hardness, Total Unfiltered 00940 Chloride, Total 74010 Total Iron 99520 Surface Water Elevation

** denotes the monitoring point is shared by both Sector 1 and Sector 2 landfills. The data can be submitted with either license number.

Table 1D - LEACHATE MONITORING

Leachate Head Wells	**Frequency**	**Parameter**
1A, 2A, 3A, 4A, 4B, 5A, 5B, 6A, 6B, 7A, 7B, 8, 9, 10A, 10B, 11, 12, And any others installed as needed.	Monthly (submitted semi-annually)	00023 Leachate Head Elevation 00031 Depth (thickness) of Leachate
Leachate Collection	**Frequency**	**Parameter**
Sector 2 Leachate Tank, (DNR Point ID 425)	Monthly (submitted semi-annually)	00032 Volume of Leachate removed (volume pumped)
Sector 2 Leachate Tank, (DNR Point ID 425)	Semi-annually (April and October)	00001 Odor 00002 Color 00003 Turbidity 00094 Field conductivity (@ 25°C) 00150 Total Susp. Solids 00310 BOD_5 00400 Field pH 00410 Alkalinity, Total Unfiltered 00610 Ammonia Nitrogen, Total 00625 Total Kjeldahl Nitrogen 00900 Hardness, Total Unfiltered 00929 Sodium, Total Unfiltered 00945 Sulfate, Total Unfiltered 00940 Chloride, Total Unfiltered 01027 Cadmium, Total Unfiltered 01051 Lead, Total Unfiltered 01055 Manganese, Total Unfiltered 71900 Mercury, Total Unfiltered 74010 Total Iron VOCs listed in ch. NR 507, Appendix III, Wis. Adm. Code. Using an EPA SW-846 or s. NR 219.04, Wis. Adm. Code method that otherwise meets s. NR 507.17(4), Wis. Adm. Code 39516 PCB analysis (See 40CFR PART 761. 358)
	Annually (April)	SVOCs (All in ch. NR 507, Appendix IV)

Table 1E - GAS MONITORING

Gas Probes	**Frequency**	**Parameter**
GP-1, GP-2R, GP-3R, GP-4R, GP-5R, GP-6, GP-7, GP-8, GP-9, GP-12, GP-13, GP-14, GP-15 (GP-10 and GP-11 were not installed at the time of this approval.) And any others installed as needed.	Quarterly (January, April, July, October)	00007 Ground conditions (1=frozen, 2=wet, 3=dry) 00021 Ambient air temperature (^{0}F) 00025 Barometric pressure 46381 Pressure trend, barometric 85547 % Methane 85550 % Oxygen
Gas Extraction Wells	**Frequency**	**Parameter**
GEW-1, GEW-2, , GEW-3A, GEW-4, GEW-5A, GEW-6A, GEW-7A, GEW-8A, GEW-9A, GEW-10B, GEW-11B, GEW-12A, GEW-13, GEW-14A, GEW-15A, GEW-16A, GEW-17, GEW-18, GEW-19, GEW-20, GEW-21, GEW-22A, GEW-23A, GEW-24A, GEW-25A, GEW-26A, GEW-27A, GEW-28A, GEW-29B, GEW-30, GEW-31, GEW-32, GEW-33, GEW-34, GEW-35, GEW-36A, GEW-37, GEW-38, GEW-39, GEW-40A, GEW-41, GEW-42, GEW-43A, GEW-44, GEW-45, GEW-52, GEW-53, GEW-60, GEW-61A, GEW-62A, GEW-63, and GEW-64 And any others installed as needed.	Monthly (submitted semi-annually)	46385 Well Head Pressure (inches of water column) 46387 Valve Opening (% open) 46388 Gas Temperature (^{0}F) 85547 % Methane 85550 % Oxygen 85544 % Carbon Dioxide 99098 Gas Flow Rate (cfm) 99848 Percent Gas Balance (by vol.)
	Annually	00023 Leachate Head Elevation (ft. above MSL) 00031 Leachate, Depth of (thickness), in feet
Misc. Gas Monitoring	**Frequency**	**Parameter**
Blower Inlet, (Point ID 850)	Semi-monthly (twice per month)	46382 Header Pressure (inches of water column)
BLOWER OUTLET** (Point ID 852)	Semi-monthly (twice per month)	46382 Header Pressure (inches of water) 46388 Gas Temperature (^{0}F) 85544 % Carbon Dioxide 85547 % Methane 85550 % Oxygen 99098 Gas Flow Rate (cfm) 99848 Percent Gas Balance (by vol.) 98927 Gas Extracted, (total monthly volume in 1000 cu. ft./month)
FLARE** (Point ID 854)	Semi-monthly (twice per month)	99098 Gas Flow Rate (cfm)

** denotes the monitoring point is shared by both Sector 1 and Sector 2 landfills. The data can be submitted with either license number.

State of Wisconsin
DEPARTMENT OF NATURAL RESOURCES
1300 W. Clairemont Ave.
Eau Claire WI 54701

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Daniel L. Meyer, Secretary
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WISCONSIN
DEPT. OF NATURAL RESOURCES

October 17, 2017

Tracy Ipavec
Environmental Sampling Corporation
PO Box 12
Muskego WI 53150-0012

Subject: Re: Advanced Disposal Services Seven Mile Creek Landfill, Eau Claire, WI, Air Permit No. 618045450-P10, Alternate Operating Standard Request: SEC2GW45

Dear Ms. Ipavec:

This letter is in response to your August 3, 2017 letter requesting alternate operating standards for well SEC2GW45 at Advanced Disposal's Seven Mile Creek Landfill ("ADS-SMCL"). In your letter, you request an alternate operating condition to allow for gas extraction well temperatures up to 148°F.

The request states that well SEC2GW45 has exhibited elevated temperatures above the currently-permitted limit of 131°F on a consistent basis. You also state the following regarding the appropriateness of allowing an alternate operating temperature:

1. The methane concentration at this well indicates that anaerobic decomposition is not being inhibited.
2. Oxygen levels have indicated that air intrusion is not the cause of the elevated temperatures.
3. Methane to carbon dioxide ratios at this well indicate no subsurface reaction is occurring.
4. Carbon monoxide levels indicate that a subsurface fire is not present.

Based on the information provided and previously-granted alternate operating conditions, the Air Program will allow an alternate operating temperature of 143°F at gas extraction well SEC2GW45. If ADS-SMCL has additional information to support a request for alternate temperature of 148°F at this well, it may be submitted to the Air Program for further review.

If you have any questions regarding this matter, please contact me at 715-461-0892 or john.tadelski@wisconsin.gov. Questions regarding Solid Waste Management may be directed to Marty Herrick at 608-789-5518 or martin.herrick@wisconsin.gov.

Sincerely,

John Tadelski, E.I.T.
Air Management Engineer

cc: Randy Frank, ADS-SMCL (e-copy)
Marty Herrick, WDNR (e-copy)

State of Wisconsin
DEPARTMENT OF NATURAL RESOURCES
1300 W. Clairemont Ave.
Eau Claire WI 54701

Scott Walker, Governor
Cathy Stepp, Secretary
Telephone 608-266-2621
Toll Free 1-888-936-7463
TTY Access via relay - 711

WISCONSIN
DEPT. OF NATURAL RESOURCES

January 2, 2018

Tracy Ipavec
Environmental Sampling Corp.
P.O. Box 12
Muskego WI 53150-0012

Subject: RE: Request to Abandon Supplemental Gas Extraction Point S2P04OC4

Dear Ms. Ipavec:

This letter is in response to your letter, dated November 14, 2017, requesting approval to abandon supplemental gas extraction point S2P04OC4 at the Advanced Disposal Services – Seven Mile Creek Landfill (ADS-SMCL).

According to your letter, this extraction point has become watered out and can no longer function properly as a gas extraction point. Your letter also states that extraction point S2P04OC4 resides in an area with adequate extraction coverage from other existing vertical gas extraction wells.

Based on the information provided, the Air Program approves your request to abandon supplemental gas extraction point S2P04OC4 at ADS-SMCL. ADS-SMCL must provide a record to the Department of the dates and method(s) of abandonment for this extraction point within 30 days of abandonment.

If you have any questions regarding this letter or air quality issues, please contact John Tadelski at 715-461-0892 or john.tadelski@wisconsin.gov. If you have any questions regarding waste management, please contact Marty Herrick at 608-789-5518 or martin.herrick@wisconsin.gov.

Sincerely,

John Tadelski, EIT
Air Management Engineer

cc: Susan Lindem, WDNR Air
Marty Herrick, WDNR WMM
Randy Frank, ADS-Midwest
Tim Curry, ADS-Midwest
Kari Rabideau, ADS-Midwest
Mike Niewind, ADS-Midwest
Mark Vinall, ADS-SMCL
John Blackmon, ADS-SMCL
Jeff Hong, ADS
Tyler Field, Cornerstone Environmental
Dan Roche, Cornerstone Environmental
Frank Perugini, ESC

Appendix B

Gas Extraction System Monitoring Data

Appendix B
Tables

Table B-1: Gas Volume Summary
Table B-2: Downtime Summary

Table B-1
Gas Volume Summary

Advanced Disposal Services
Seven Mile Creek Landfill

Mon-Yr	DPC Flow Monthly Avg. (cfm) #	Flare Flow Monthly Avg. (cfm) #	Total System Flow Monthly Avg. (cfm) #	Flare Temperature (deg. F) #	Total DPC Gas Volume (ft.^{3}):	Total Flared Gas Volume (ft.^{3}):
Jan-17	320	1,435	1,593	926	6,821,347	62,059,936
Feb-17	NA	1,539	1,539	1,089	0	61,444,506
Mar-17	249	1,463	1,521	1,265	2,576,994	65,238,610
Apr-17	256	1,400	1,547	1,250	6,354,490	60,495,584
May-17	256	1,327	1,539	1,239	9,455,314	59,115,389
Jun-17	--	1,673	1,673	1,218	--	72,077,820
Jul-17	--	1,665	1,665	1,214	--	72,607,113
Aug-17	--	1,626	1,626	1,218	--	72,553,645
Sep-17	--	1,603	1,603	1,192	--	68,902,235
Oct-17	--	1,599	1,599	1,220	--	71,265,054
Nov-17	--	1,595	1,595	1,217	--	68,306,611
Dec-17	--	1,499	1,499	1,211	--	66,547,719
Avg:	270	1,535	1,583	1,188	--	--
					2017 Total DPC Gas Volume (ft3):	**25,208,145**
					2017 Total Flared Gas Volume (ft3):	**800,614,222**

Note:
Gas volumes were obtained from the monthly scada data reports prepared by ESC. The average monthly flows were calculated based on the flow data provided in the monthly scada reports.
- The flows and flare temperatures represent monthly averages during operation.
NA - Not applicable. DPC did not operate during the month and an average flow during operation could not be obtained.
Flow to DPC was discontinued on 05/26/17.

Table B-2
Downtime Summary

Advanced Disposal Services
Seven Mile Creek Landfill

Date/Time Start Downtime	Date/Time End Downtime	Total Hours	Cause of Downtime
1/4/2017 8:00	1/4/2017 9:30	1.50	Manual shutdown to remove and clean the flare arrestor.
1/22/2017 17:15	1/23/2017 11:45	18.50	System shutdown due to leachate high level. Performed the following maintenance prior to restarting: replaced blower belts, replaced Kanaflex hose on North Main and South Main, replaced well head on North Main.
1/23/2017 12:45	1/23/2017 13:45	1.00	System shutdown due to broken blower belts.
1/23/2017 14:00	1/23/2017 14:45	0.75	System shutdown due to blower belts.
1/27/2017 1:15	1/27/2017 1:45	0.50	System shutdown due to broken blower belts. After the initial shutdown, the blower went through the re-start sequence and was operating without belts. The flare ignited and the system passively flared until site personnel manually closed the valve.
1/27/2017 6:30	1/27/2017 7:45	1.25	Manual shutdown to replace broken blower belts.
1/30/2017 11:45	1/30/2017 12:15	0.50	Manual shutdown to test shutdown sequencing and program settings.
	January Downtime:	**24.00**	
2/2/2017 10:30	2/2/2017 11:15	0.75	Manual shutdown for Twin City Fan to perform blower maintenance. Multiple brief downtimes during this interval.
2/6/2017 14:00	2/6/2017 14:30	0.50	Manual shutdown for B&B Electric to test the controls in the Flare King panel.
2/14/2017 9:15	2/14/2017 9:30	0.25	Manual shutdowns for EvoLogic and B&B Electric personnel to work on datalogger and panel programming.
2/14/2017 12:15	2/14/2017 14:45	2.50	
2/14/2017 15:00	2/14/2017 16:15	1.25	
2/15/2017 17:00	2/15/2017 17:16	0.27	Manual shutdown to install a replacement Sensaphone datalogger.
2/16/2017 8:00	2/16/2017 8:30	0.50	Manual shutdowns for EvoLogic and B&B Electric personnel to work on datalogger and panel programming. (Times were provided by site personnel)
2/16/2017 8:45	2/16/2017 9:15	0.50	
2/16/2017 9:30	2/16/2017 10:00	0.50	
2/23/2017 11:30	2/23/2017 11:45	0.25	Manual shutdowns for B&B Electric to install switches.
2/23/2017 12:45	2/23/2017 13:00	0.25	
	February Downtime:	**7.52**	
3/7/2017 3:31	3/7/2017 3:44	0.22	The system shutdown due to power loss or power surge and restarted automatically.
	March Downtime:	**0.22**	
4/9/2017 14:16	4/9/2017 14:30	0.23	The system shutdown due to power loss or power surge and restarted automatically.
4/15/2017 5:01	4/15/2017 5:15	0.23	The system shutdown due to power loss or power surge and restarted automatically.
	April Downtime:	**0.47**	
5/31/2017 7:15	5/31/2017 8:45	1.50	Manual shutdown to replace flow meter with loaner flow meter for annual calibration.
	May Downtime:	**1.50**	
6/2/2017 13:45	6/2/2017 14:15	0.50	Manual shutdown to adjust the position of the flow meter probe and check the knockout for blockage.
6/11/2017 11:01	6/11/2017 11:14	0.22	The system shutdown due to a storm related power surge and restarted automatically.
6/16/2017 10:45	6/16/2017 11:15	0.50	Manual shutdown to removed the loaner flow meter and install the facility's factory calibrated flow meter.
6/19/2017 4:16	6/19/2017 4:29	0.22	The system shutdown due to a power outage or power surge and restarted automatically.
6/29/2017 17:00	6/29/2017 18:00	1.00	Manual shutdown for gas system construction/expansion.
	June Downtime:	**2.43**	

Table B-2
Downtime Summary

Advanced Disposal Services
Seven Mile Creek Landfill

Date/Time Start Downtime	Date/Time End Downtime	Total Hours	Cause of Downtime
7/12/2017 4:00	7/12/2017 6:45	2.75	Storm related power outage
7/26/2017 20:00	7/27/2017 6:30	10.50	System shutdown due to blower bearing failure
7/27/2017 7:15	7/27/2017 7:30	0.25	Multiple system shutdowns due to issue with the back up blower and the electric panel
7/27/2017 9:15	7/27/2017 9:30	0.25	
7/27/2017 9:45	7/27/2017 10:00	0.25	
7/27/2017 10:15	7/27/2017 10:30	0.25	
7/27/2017 11:30	7/27/2017 12:45	1.25	
7/27/2017 13:00	7/27/2017 14:15	1.25	
7/28/2017 11:00	7/28/2017 11:15	0.25	Manual shutdown for Aerovent to repair the blower
7/28/2017 11:45	7/28/2017 12:00	0.25	Manual shutdown for Aerovent to repair the blower
	July Downtime:	**17.25**	
8/24/2017 15:00	8/24/2017 15:15	0.25	Manual shutdown to tie in forcemain from GW27A to GW14A.
	August Downtime:	**0.25**	
9/8/2017 15:15	9/8/2017 16:30	1.25	Manual shutdown to extend a gas well
9/26/2017 19:00	9/26/2017 21:00	2.00	Blower motor stopped, switched to back-up blower
9/27/2017 7:45	9/27/2017 8:00	0.25	Manual shutdown to inspect blower motor
	September Downtime:	**3.50**	
10/6/2017 12:45	10/6/2017 14:00	1.25	Manual shutdown to install a new motor on Blower 1.
	October Downtime:	**1.25**	
11/3/2017 10:00	11/3/2017 13:45	3.75	Manual shutdown to extend GW-14A.
11/6/2017 10:00	11/6/2017 10:45	0.75	Manual shutdown to further extend GW-14A.
11/9/2017 13:45	11/9/2017 14:30	0.75	Manual shutdown to extend GW-13.
11/21/2017 6:45	11/21/2017 7:00	0.25	The system shutdown likely due to a brief power loss and restarted automatically. *(Automatic restarts are not SSM events - no SSM form is required)*
11/22/2017 9:45	11/22/2017 12:00	2.25	Manual shutdown to replace flare thermocouple and spark plug.
	November Downtime:	**7.75**	
12/5/2017 9:30	12/5/2017 9:45	0.25	Manual shutdown to replace relays.
12/5/2017 15:15	12/5/2017 17:30	2.25	Manual shutdown to clean flare arrestor and check valves.
12/6/2017 10:00	12/6/2017 12:00	2.00	Manual shutdown to check flare thermocouple connections.
	December Downtime:	**4.50**	
	Total Downtime Jan-Dec (Hr.):	**70.63**	
	Operating Efficiency (%):	**99.2**	

Attachment B-1

Gas Extraction Report

Seven Mile Creek Landfill

Gas Extraction Report

Well ID	Alias	Date/Time	ADJ	CH4 (%)	CO2 (%)	O2 (%)	Balance (%)	Diff. Press. (in. H2O)	Temp. (deg. F)	Flow (scfm)	Well Pres. (in. H2O)	Header Pres. (in. H2O)	Valve Setting (% Open)	Comments
Flare														
IN-FLARE	IN-FLARE	1/2/2017 11:30		52.2	36.2	1.3	10.3	---	40	---	-65.9	-66.06	---	,,,,,,,
OUTFLARE	OUTFLARE	1/2/2017 11:33		52.2	36.4	1.3	10.1	8.81	96	203	4.6	4.31	---	,,,,,,,
IN-FLARE	IN-FLARE	1/11/2017 17:27		50.8	36	1.4	11.8	---	39	---	-65.9	-65.53	---	,,,,,,,
OUTFLARE	OUTFLARE	1/11/2017 17:30		51.3	35.8	1.5	11.4	17.47	96	287	4.3	4.21	---	,,,,,,,
IN-FLARE	IN-FLARE	1/16/2017 13:35		51.7	36.1	1.3	10.9	---	39	---	-68.5	-68.5	---	,,,,,,,
OUTFLARE	OUTFLARE	1/16/2017 13:38		51.7	35.7	1.5	11.1	-2.33	93	---	1.6	2.18	---	,,,,,,,
IN-FLARE	IN-FLARE	1/17/2017 8:59		54.5	36.5	1.3	7.7	---	39	---	-64.8	-66.51	---	,,,,,,,
OUTFLARE	OUTFLARE	1/17/2017 9:01		54.8	36.5	1.4	7.3	16.62	91	283	5.7	5.1	---	,,,,,,,
IN-FLARE	IN-FLARE	1/25/2017 16:06		56.4	37.1	0.8	5.7	---	37	---	-62.6	-63.36	---	,,,,,,,
IN-FLARE	IN-FLARE	1/25/2017 16:06		56.4	37.1	0.8	5.7	---	37	---	-62.6	-63.36	---	,,,,,,,
OUTFLARE	OUTFLARE	1/25/2017 16:09		55.5	36.6	0.8	7.1	-6.04	90	---	6.1	4.99	---	,,,,,,,
OUTFLARE	OUTFLARE	1/25/2017 16:09		55.5	36.6	0.8	7.1	-6.04	90	---	6.1	4.99	---	,,,,,,,
OUTFLARE	OUTFLARE	1/25/2017 16:09		55.5	36.6	0.8	7.1	-6.04	90	---	6.1	4.99	---	,,,,,,,
IN-FLARE	IN-FLARE	1/31/2017 8:18		51.7	36.6	0.9	10.8	---	38	---	-65.7	-65.65	---	,,,,,,,
IN-FLARE	IN-FLARE	1/31/2017 8:18		51.7	36.6	0.9	10.8	---	38	---	-65.7	-65.65	---	,,,,,,,
OUTFLARE	OUTFLARE	1/31/2017 8:22		51.1	36.3	1	11.6	-4.88	95	---	4.8	5.32	---	,,,,,,,
OUTFLARE	OUTFLARE	1/31/2017 8:22		51.1	36.3	1	11.6	-4.88	95	---	4.8	5.32	---	,,,,,,,
IN-FLARE	IN-FLARE	2/7/2017 11:17		44.3	31.9	3.9	19.9	---	38	---	-64.5	-64.86	---	no change,,,,,,,
IN-FLARE	IN-FLARE	2/7/2017 11:17		44.3	31.9	3.9	19.9	---	38	---	-64.5	-64.86	---	no change,,,,,,,
OUTFLARE	OUTFLARE	2/7/2017 11:21		50.8	36.1	1.1	12	-5.24	96	---	6	6.05	---	,,,,,,,
OUTFLARE	OUTFLARE	2/7/2017 11:21		50.8	36.1	1.1	12	-5.24	96	---	6	6.05	---	,,,,,,,
IN-FLARE	IN-FLARE	2/7/2017 14:23		49.8	35.9	1.5	12.8	---	39	---	-65.3	-64.88	---	,,,,,,,
IN-FLARE	IN-FLARE	2/7/2017 14:23		49.8	35.9	1.5	12.8	---	39	---	-65.3	-64.88	---	,,,,,,,
IN-FLARE	IN-FLARE	2/8/2017 15:12		46.9	33.3	2.6	17.2	---	38	---	-65.6	-66.22	---	,,,,,,,
IN-FLARE	IN-FLARE	2/10/2017 14:57		49.4	35.3	1.9	13.4	---	38	---	-65.9	-65.15	---	no change,,,,,,,
IN-FLARE	IN-FLARE	2/10/2017 15:11		51.2	36.2	1.3	11.3	---	40	---	-64.5	-65.11	---	no change,,,,,,,
IN-FLARE	IN-FLARE	2/13/2017 12:50		50.4	36	1	12.6	---	39	---	-66	-65.15	---	no change,,,,,,,
OUTFLARE	OUTFLARE	2/13/2017 12:53		49.8	35.6	1.2	13.4	-6.19	96	---	6.1	6.5	---	no change,,,,,,,
IN-FLARE	IN-FLARE	2/14/2017 7:06		50.8	36.3	0.9	12	---	36	---	-65.9	-65.81	---	,,,,,,,
OUTFLARE	OUTFLARE	2/14/2017 7:09		50.1	35.9	1.1	12.9	-6.3	96	---	6.2	5.74	---	,,,,,,,
IN-FLARE	IN-FLARE	2/14/2017 11:23		51.9	36.8	0.7	10.6	---	38	---	-64.7	-64.69	---	,,,,,,,
IN-FLARE	IN-FLARE	2/20/2017 11:17		51	36.5	1	11.5	---	39	---	-65	-65.72	---	opened 1/4 turn,,,,,,,
OUTFLARE	OUTFLARE	2/20/2017 11:25		50	35.9	1.2	12.9	-6.3	96	---	6.2	5.13	---	,,,,,,,
IN-FLARE	IN-FLARE	3/1/2017 9:23		51.9	36.6	1.1	10.4	---	36	---	-65.7	-66.14	---	,,,,,,,
OUTFLARE	OUTFLARE	3/1/2017 9:26		51.3	36.5	1.3	10.9	-5.65	92	---	5.5	6.15	---	,,,,,,,
IN-FLARE	IN-FLARE	3/6/2017 11:18		52.7	37.5	0.9	8.9	---	37	---	-65.7	-64.9	---	,,,,,,,
OUTFLARE	OUTFLARE	3/6/2017 11:21		52.3	37.2	0.9	9.6	-5.93	96	---	6.1	5.79	---	,,,,,,,
IN-FLARE	IN-FLARE	3/9/2017 7:35		48.9	35.6	1.5	14	---	36	---	-66.8	-66.9	---	,,,,,,,
OUTFLARE	OUTFLARE	3/9/2017 7:39		48.2	35.2	1.6	15	-5.4	95	---	6	6.27	---	,,,,,,,
IN-FLARE	IN-FLARE	3/10/2017 7:29		48.6	35.1	1.5	14.8	---	36	---	-68	-68.41	---	,,,,,,,
OUTFLARE	OUTFLARE	3/10/2017 7:35		48	34.7	1.7	15.6	-6.38	95	---	6.3	6.34	---	,,,,,,,
IN-FLARE	IN-FLARE	3/10/2017 8:54		48.9	35.3	1.4	14.4	---	36	---	-67.8	-68.96	---	,,,,,,,
OUTFLARE	OUTFLARE	3/10/2017 8:59		51.3	35.9	1.5	11.3	-6.31	95	---	6.1	6.44	---	,,,,,,,
IN-FLARE	IN-FLARE	3/16/2017 13:32		50.1	36.3	1.3	12.3	---	38	---	-66.1	-66.09	---	,,,,,,,
OUTFLARE	OUTFLARE	3/16/2017 13:36		49.5	35.9	1.4	13.2	-6	96	---	6.1	5.98	---	,,,,,,,
IN-FLARE	IN-FLARE	3/21/2017 10:03		50	35.6	1.2	13.2	---	38	---	-67.8	-67.65	---	,,,,,,,
OUTFLARE	OUTFLARE	3/21/2017 10:07		49.2	35.3	1.3	14.2	-4.65	93	---	4.7	4.19	---	,,,,,,,
IN-FLARE	IN-FLARE	3/30/2017 6:57		50.8	36.8	1.1	11.3	---	38	---	-65.7	-66.32	---	,,,,,,,
OUTFLARE	OUTFLARE	3/30/2017 7:00		50	36.3	1.3	12.4	-6.58	96	---	6.2	6.1	---	,,,,,,,
IN-FLARE	IN-FLARE	4/7/2017 8:35		49.8	36.2	1.4	12.6	---	40	---	-67	-67.74	---	,,,,,,,
OUTFLARE	OUTFLARE	4/7/2017 8:39		49.2	35.9	1.6	13.3	-5.4	95	---	5.5	5.7	---	,,,,,,,
IN-FLARE	IN-FLARE	4/10/2017 8:56		50.6	36.3	1.6	11.5	---	51	---	-67	-66.33	---	,,,,,,,
OUTFLARE	OUTFLARE	4/10/2017 8:58		49.9	35.9	1.5	12.7	-5.85	99	---	5.1	5.63	---	,,,,,,,
IN-FLARE	IN-FLARE	4/11/2017 6:23		50	36.2	1.4	12.4	---	39	---	-66.6	-66.63	---	,,,,,,,
OUTFLARE	OUTFLARE	4/11/2017 6:26		49.9	36.1	1.5	12.5	-5.3	97	---	5.7	5.58	---	,,,,,,,
IN-FLARE	IN-FLARE	4/11/2017 15:55		51.3	36.8	1.3	10.6	---	40	---	-67.4	-67.6	---	,,,,,,,
OUTFLARE	OUTFLARE	4/11/2017 15:59		50.7	36.4	1.3	11.6	-1.23	96	---	4.1	4.68	---	,,,,,,,
IN-FLARE	IN-FLARE	4/18/2017 14:01		51.3	37.2	0.7	10.8	---	40	---	-66.1	-66.08	---	,,,,,,,
OUTFLARE	OUTFLARE	4/18/2017 14:03		50.6	36.8	0.7	11.9	-4.73	97	---	4.6	4.56	---	,,,,,,,
IN-FLARE	IN-FLARE	4/26/2017 14:18		52.3	37.4	1	9.3	---	42	---	-65.1	-66.03	---	,,,,,,,
OUTFLARE	OUTFLARE	4/26/2017 14:21		51.6	37.2	1.2	10	-4.23	98	---	4.8	4.76	---	,,,,,,,
IN-FLARE	IN-FLARE	5/5/2017 12:33		49.8	35.6	1.4	13.2	---	45	---	-67.3	-66.29	---	,,,,,,,
OUTFLARE	OUTFLARE	5/5/2017 12:36		49.3	35.3	1.6	13.8	-4.76	100	---	4.4	4.41	---	,,,,,,,
IN-FLARE	IN-FLARE	5/15/2017 7:45		49.3	36.9	1.4	12.4	33.78	58.8	---	-68.03	0.04	---	
OUTFLARE	OUTFLARE	5/15/2017 7:49		48.8	35.7	1.7	13.8	0	107.2	---	4.5	0.43	---	
IN-FLARE	IN-FLARE	5/15/2017 16:14		49.4	36.1	1.3	13.2	33.78	59.4	---	-67.23	0.72	---	
OUTFLARE	OUTFLARE	5/15/2017 16:17		48.5	38	1.6	11.9	0	108.5	---	3.99	0.72	---	
IN-FLARE	IN-FLARE	6/1/2017 7:32		50.2	36.6	1.7	11.5	33.78	60.1	---	-67.53	0	---	
OUTFLARE	OUTFLARE	6/1/2017 7:37		49.3	36.6	1.9	12.2	0	108.9	---	4.46	0	---	
IN-FLARE	IN-FLARE	6/2/2017 8:56		50.1	39.7	1.5	8.7	33.8	61.7	---	-67.48	0.3	---	
OUTFLARE	OUTFLARE	6/2/2017 8:58		49.5	37.3	1.7	11.5	0	111	---	4.22	0.3	---	
IN-FLARE	IN-FLARE	6/9/2017 12:43		51.7	36.2	1.4	10.7	33.85	66.6	---	-66.09	0.34	---	
OUTFLARE	OUTFLARE	6/9/2017 12:44		51.1	36.6	1.6	10.7	0	115.9	---	4.64	0	---	
IN-FLARE	IN-FLARE	6/15/2017 14:03		51.8	37.1	1.3	9.8	34.48	68.5	---	-66.55	0.3	---	
OUTFLARE	OUTFLARE	6/15/2017 14:05		51.1	37.6	1.4	9.9	0	117.9	---	3.61	0.3	---	
IN-FLARE	IN-FLARE	6/23/2017 10:33		50.3	39.6	1.3	8.8	33.78	68	---	-65.63	0.09	---	
OUTFLARE	OUTFLARE	6/23/2017 10:35		49.3	38	1.5	11.2	0	117.1	---	4.89	0.09	---	
IN-FLARE	IN-FLARE	7/6/2017 9:39		49.7	37.3	1.3	11.7	33.7	68.5	---	-65.84	0.04	---	
OUTFLARE	OUTFLARE	7/6/2017 9:41		49	36.7	1.4	12.9	0	117.7	---	5.53	0.09	---	
IN-FLARE	IN-FLARE	7/19/2017 9:48		46.8	34.8	1.4	17	33.78	71.2	---	-65.63	0.3	---	
OUTFLARE	OUTFLARE	7/19/2017 9:52		46	36.3	1.5	16.2	0	120.2	---	5.83	0.04	---	
IN-FLARE	IN-FLARE	7/19/2017 17:08		47.3	36.5	1.4	14.8	33.78	72.1	---	-64.48	0.72	---	
OUTFLARE	OUTFLARE	7/19/2017 17:10		46.6	38.1	1.6	13.7	0	120.6	---	6.21	0.38	---	
IN-FLARE	IN-FLARE	7/20/2017 10:27		48.5	36.6	1.3	13.6	33.85	71.6	---	-65.24	0	---	
OUTFLARE	OUTFLARE	7/20/2017 10:29		48.1	35	1.6	15.3	0	120	---	5.66	0	---	
IN-FLARE	IN-FLARE	7/20/2017 13:59		48.8	38.4	1.3	11.5	33.85	73.9	---	-65.2	0.68	---	
OUTFLARE	OUTFLARE	7/20/2017 14:01		48.2	40.4	1.5	9.9	0	122.7	---	4.7	0.68	---	
IN-FLARE	IN-FLARE	7/27/2017 16:03		54.3	38.4	0.8	6.5	33.78	---	---	-57.14	0.34	---	
OUTFLARE	OUTFLARE	7/27/2017 16:06		53.7	37.6	1.1	7.6	0	117	---	4.52	0.34	---	
IN-FLARE	IN-FLARE	7/31/2017 14:14		49.4	36.9	1.3	12.4	33.83	75	---	-64.95	0.04	---	
OUTFLARE	OUTFLARE	7/31/2017 14:16		48.5	36.8	1.5	13.2	0	124	---	4.89	0.3	---	
IN-FLARE	IN-FLARE	8/8/2017 13:47		52.5	36.9	1.2	9.4	33.78	74.1	---	-64.86	0	---	
OUTFLARE	OUTFLARE	8/8/2017 13:49		51.7	35.1	1.4	11.8	0	122	---	4.91	-0.09	---	
IN-FLARE	IN-FLARE	8/8/2017 15:43		50.3	38.2	1.2	10.3	33.78	74.7	---	-64.74	0.34	---	
OUTFLARE	OUTFLARE	8/8/2017 15:45		50	36.2	1.5	12.3	0	122.5	---	4.96	0.6	---	
IN-FLARE	IN-FLARE	8/9/2017 7:29		50.2	37.6	1.6	10.6	33.83	71.4	---	-65.96	0	---	
OUTFLARE	OUTFLARE	8/9/2017 7:31		50.1	36.1	1.8	12	0	119.3	---	4.93	0	---	
IN-FLARE	IN-FLARE	8/10/2017 7:45		51	38.1	1.3	9.6	33.8	71.4	---	-65.88	0	---	
OUTFLARE	OUTFLARE	8/10/2017 7:47		51	35.3	1.7	12	0	119.7	---	4.62	0	---	
IN-FLARE	IN-FLARE	8/25/2017 15:35		51.8	37.2	1.4	9.6	33.78	71.2	---	-66.05	0	---	
OUTFLARE	OUTFLARE	8/25/2017 15:38		50.6	37.4	1.7	10.3	0	119.8	---	4.62	0	---	
IN-FLARE	IN-FLARE	9/7/2017 16:36		52.2	35.4	1.5	10.9	33.8	70.7	---	-65.67	0.17	---	
OUTFLARE	OUTFLARE	9/7/2017 16:38		50.8	35.6	1.6	12	0	118.9	---	5.45	0.21	---	
IN-FLARE	IN-FLARE	9/15/2017 7:24		52	35.2	1.4	11.4	33.78	71.1	---	-65.16	0	---	

Seven Mile Creek Landfill

Gas Extraction Report

Well ID	Alias	Date/Time	ADJ	CH4 (%)	CO2 (%)	O2 (%)	Balance (%)	Diff. Press. (in. H2O)	Temp. (deg. F)	Flow (scfm)	Well Pres. (in. H2O)	Header Pres. (in. H2O)	Valve Setting (% Open)	Comments
OUTFLARE	OUTFLARE	9/15/2017 7:26		50.3	36.3	1.7	11.7	0	120	---	4.9	0	---	
IN-FLARE	IN-FLARE	9/22/2017 7:15		51.9	35.5	1.7	10.9	33.78	71.6	---	-65.63	0	---	
OUTFLARE	OUTFLARE	9/22/2017 7:18		49.4	36.3	2	12.3	0	120.4	---	4.51	0	---	
IN-FLARE	IN-FLARE	9/22/2017 15:09		50.5	35.5	1.7	12.3	33.78	75.2	---	-64.1	0.04	---	
OUTFLARE	OUTFLARE	9/22/2017 15:11		48.6	36.2	1.9	13.3	0	---	---	4.76	0.13	---	
IN-FLARE	IN-FLARE	9/23/2017 7:50		50.9	36.9	1.8	10.4	33.8	71.1	---	-65.37	0	---	
OUTFLARE	OUTFLARE	9/23/2017 7:51		47.7	35.9	2	14.4	0	119.7	---	4.77	0	---	
IN-FLARE	IN-FLARE	9/23/2017 9:30		49.7	38.5	1.7	10.1	33.8	72	---	-65.29	0.34	---	
OUTFLARE	OUTFLARE	9/23/2017 9:32		47.8	36.1	2.1	14	0	120.2	---	4.68	0.34	---	
IN-FLARE	IN-FLARE	10/6/2017 14:52		52.4	34.2	1.5	11.9	33.78	68.7	---	-64.7	0.17	---	
OUTFLARE	OUTFLARE	10/6/2017 14:53		50.1	36.1	1.9	11.9	0	115.3	---	5.57	0.17	---	
IN-FLARE	IN-FLARE	10/6/2017 15:16		51	36.4	1.7	10.9	33.78	68.9	---	-64.74	-0.17	---	
OUTFLARE	OUTFLARE	10/6/2017 15:19		49.5	36.4	1.8	12.3	0	115.5	---	5.28	0.17	---	
OUTFLARE	OUTFLARE	10/6/2017 15:28		50.5	35.7	2	11.8	0	115.5	---	5.32	0.17	---	
IN-FLARE	IN-FLARE	10/13/2017 16:12		50.9	33.1	2	14	33.8	68.7	---	-66.13	0.04	---	
OUTFLARE	OUTFLARE	10/13/2017 16:15		47.8	35.8	2.1	14.3	0	116.1	---	5.19	0	---	
IN-FLARE	IN-FLARE	10/19/2017 10:16		49.1	36	2	12.9	33.78	66.6	1578	-66.34	0.3	---	
OUTFLARE	OUTFLARE	10/19/2017 10:19		47.5	35.9	2.2	14.4	0	113.7	1578	5.24	0.3	---	
IN-FLARE	IN-FLARE	10/19/2017 16:47		50.5	36.7	1.9	10.9	33.78	69.1	1667	-65.63	-0.21	---	
OUTFLARE	OUTFLARE	10/19/2017 16:50		48.9	38.4	2.2	10.5	0	117.3	1667	4.86	-0.21	---	
IN-FLARE	IN-FLARE	10/20/2017 7:59		50	36.2	2	11.8	33.8	65.8	1608	-66.43	0.43	---	
OUTFLARE	OUTFLARE	10/20/2017 8:03		49.2	36.8	2.3	11.7	0	113.2	1608	4.87	-0.17	---	
IN-FLARE	IN-FLARE	10/20/2017 15:19		50.6	37.3	1.9	10.2	33.8	69.6	1674	-65.29	0.68	---	
OUTFLARE	OUTFLARE	10/20/2017 15:22		49.1	37.2	2.1	11.6	0	117.7	1674	4.8	0.34	---	
IN-FLARE	IN-FLARE	11/4/2017 10:53		51.7	35.9	1.8	10.6	33.78	61.2	1588	-66.77	0	---	
OUTFLARE	OUTFLARE	11/4/2017 10:57		50.3	35.5	2.1	12.1	0	108.3	1588	4.62	-0.09	---	
IN-FLARE	IN-FLARE	11/10/2017 15:17		50.1	34.6	2.3	13	33.79	58.1	1567	-68.2	-0.26	---	
OUTFLARE	OUTFLARE	11/10/2017 15:21		48.8	35.4	2.6	13.2	0	105.6	1567	4.89	0.04	---	
IN-FLARE	IN-FLARE	11/16/2017 8:59		50	33.5	2.6	13.9	33.78	56.7	1538	-68.33	0	---	
OUTFLARE	OUTFLARE	11/16/2017 9:03		48.8	34.9	2.8	13.5	0	104.2	1537	4.63	0	---	
IN-FLARE	IN-FLARE	11/17/2017 8:14		50.5	34.3	2.5	12.7	33.78	56.8	1548	-67.27	0	---	
OUTFLARE	OUTFLARE	11/17/2017 8:19		48.6	35.8	2.7	12.9	0	104.9	1548	4.42	-0.34	---	
IN-FLARE	IN-FLARE	11/17/2017 15:43		50.7	35.1	2.6	11.6	33.78	45	1559	-66.85	-0.38	---	
OUTFLARE	OUTFLARE	11/17/2017 15:47		50	36.2	2.9	10.9	0	102	1559	4.61	-0.34	---	
IN-FLARE	IN-FLARE	11/27/2017 14:38		51.7	37.4	2.1	8.8	33.78	56.7	1617	-66.3	0.34	---	
OUTFLARE	OUTFLARE	11/27/2017 14:42		51.1	36.5	2.3	10.1	0	104.7	1617	4.71	0.34	---	
IN-FLARE	IN-FLARE	12/7/2017 10:36		47.4	33.2	2.5	16.9	33.78	51.8	1538	-69.38	0	---	
OUTFLARE	OUTFLARE	12/7/2017 10:41		46.5	33.6	2.9	17	0	99.7	1538	4.46	0.13	---	
IN-FLARE	IN-FLARE	12/8/2017 8:16		48	35.2	2.6	14.2	33.78	52.7	1590	-67.15	0.64	---	
OUTFLARE	OUTFLARE	12/8/2017 8:19		47.2	35.8	2.9	14.1	0	100.4	1590	5.32	0.34	---	
IN-FLARE	IN-FLARE	12/8/2017 14:40		48	37.1	2.8	12.1	33.78	52.5	1558	-68.33	0.34	---	
OUTFLARE	OUTFLARE	12/8/2017 14:44		47.5	35.8	2.9	13.8	0	101.3	1558	4.59	0.34	---	
IN-FLARE	IN-FLARE	12/11/2017 11:02		48.4	35.5	2.5	13.6	33.78	52.3	1544	-67.95	0.34	---	
OUTFLARE	OUTFLARE	12/11/2017 11:06		47.8	34.6	2.8	14.8	0	100.9	1544	4.38	0.34	---	
IN-FLARE	IN-FLARE	12/19/2017 11:05		49.1	34.8	2.4	13.7	33.78	51.8	1563	-68.24	0	---	
OUTFLARE	OUTFLARE	12/19/2017 11:14		48.1	34.5	2.7	14.7	0	100.8	1563	4.56	0	---	
Vertical														
S2GEW12A	SEC2GW12R	1/17/2017 10:17		51.6	33.3	3.2	11.9	16.46	34	284	-27.6	-37.39	0.5	,,,,,,,
S2GEW12A	SEC2GW12R	1/17/2017 10:17	ADJ	51.6	33.3	3.2	11.9	12.01	34	242	-27.6	-37.39	0.5	
S2GEW12A	SEC2GW12R	2/13/2017 16:26		48.1	34.2	1.9	15.8	-0.04	47	---	-31.7	-37.81	0.5	no change,,,,,,,
S2GEW12A	SEC2GW12R	2/13/2017 16:26	ADJ	48.1	34.2	1.9	15.8	-0.03	48	---	-31.7	-37.81	0.5	
S2GEW12A	SEC2GW12R	3/9/2017 13:14		41.4	32.6	1	25	0.06	38	15	-38.2	-38.97	5	no change,,,,,,,
S2GEW12A	SEC2GW12R	3/9/2017 13:14	ADJ	41.4	32.6	1	25	0.03	38	11	-34.7	-38.97	5	
S2GEW12A	SEC2GW12R	4/11/2017 9:55		45.5	32.8	0.6	21.1	0.02	40	9	-32.4	-40.13	5	,,,,,,,
S2GEW12A	SEC2GW12R	4/11/2017 9:55	ADJ	45.5	32.8	0.6	21.1	0.01	40	6	-33.2	-40.13	3	
S2GEW12A	SEC2GW12R	5/15/2017 9:38		44.1	31.6	1.3	23	0.01	64.8	7.8	-34.21	-40.43	3	Closed Valve 1/2 turn or less: :
S2GEW12A	SEC2GW12R	5/15/2017 9:38	ADJ	44.1	31.6	1.3	23	0.01	64.8	7.8	-34.21	-40.43	2	
S2GEW12A	SEC2GW12R	6/1/2017 10:11		37.2	27.4	4.4	31	0	68.5	0	-34.08	-45.87	2	No Change: :
S2GEW12A	SEC2GW12R	6/1/2017 10:11	ADJ	37.2	27.4	4.4	31	0	68.4	0	-34.08	-45.96	2	
S2GEW12A	SEC2GW12R	7/19/2017 13:12		38.9	28.9	4	28.2	0.01	89.1	6.4	-34.08	-45.91	2	No Change: :
S2GEW12A	SEC2GW12R	7/19/2017 13:12	ADJ	38.9	28.9	4	28.2	0.01	89.2	5.1	-34.12	-45.19	2	
S2GEW12A	SEC2GW12R	8/9/2017 9:27		50.6	35	0.3	14.1	0.01	72.9	5.2	-38.18	-44.72	2	No Change: :
S2GEW12A	SEC2GW12R	8/9/2017 9:27	ADJ	50.6	35	0.3	14.1	0.01	72.9	5.8	-38.56	-44.6	2	
S2GEW12A	SEC2GW12R	9/22/2017 13:18		50.8	34.4	0.1	14.7	0.01	93	6.3	-37.88	-45.28	2	No Change: :
S2GEW12A	SEC2GW12R	9/22/2017 13:18	ADJ	50.8	34.4	0.1	14.7	0.01	93	6.2	-38.18	-45.23	2	
S2GEW12A	SEC2GW12R	10/20/2017 14:41		52	35.4	0.3	12.3	0.01	77.4	7.5	-37.5	-44.09	12	No Change: :
S2GEW12A	SEC2GW12R	10/20/2017 14:41	ADJ	52	35.4	0.3	12.3	0.01	77.5	7.5	-37.25	-44.26	12	
S2GEW12A	SEC2GW12R	11/16/2017 14:28		54.9	32.9	0.4	11.8	0.16	54.3	26.8	-37.88	-46.98	12	No Change: :
S2GEW12A	SEC2GW12R	11/16/2017 14:28	ADJ	54.9	32.9	0.4	11.8	0.15	54.3	26.6	-37.96	-47.06	12	
S2GEW12A	SEC2GW12R	12/7/2017 16:31		61	35	0.1	3.9	0.01	31.1	8	-10.81	-0.34	12	Opened Valve 1/2 to 1 turn: :
S2GEW12A	SEC2GW12R	12/7/2017 16:31	ADJ	61	35	0.1	3.9	0.01	31.3	8	-10.81	-0.38	13	
S2GEW12A	SEC2GW12R	12/8/2017 8:44		58.5	39.1	0.3	2.1	0.01	36.5	5.8	-45.02	-45.57	13	Opened Valve > 1 turn: :
S2GEW12A	SEC2GW12R	12/8/2017 8:44	ADJ	58.5	39.1	0.3	2.1	0.02	37.2	8.8	-45.31	-45.53	14	
SC2GW10B	SC2GW10B	1/17/2017 13:24		59.1	40.8	0	1	21.6	86	184	-1.9	-37.49	9	,,,,,,,
SC2GW10B	SC2GW10B	1/17/2017 13:24	ADJ	59.1	40.8	0	1	12.07	86	136	-2.3	-37.49	11	
SC2GW10B	SC2GW10B	2/14/2017 8:23		54.9	36.8	1.7	6.6	-0.02	89	---	-2.4	-39.37	11	opened 1/4 turn,,,,,,,
SC2GW10B	SC2GW10B	2/14/2017 8:23	ADJ	54.9	36.8	1.7	6.6	0.02	90	4	-2.5	-39.37	11.5	
SC2GW10B	SC2GW10B	3/16/2017 13:50		55.5	36.8	1.6	6.1	-0.13	78	---	-4.3	-39.41	12	opened 1/2 turn,,,,,,,
SC2GW10B	SC2GW10B	3/16/2017 13:50	ADJ	55.5	36.8	1.6	6.1	0.2	78	17	-4.5	-39.41	13	
SC2GW10B	SC2GW10B	4/11/2017 13:04		56.3	36.8	1.4	5.5	0.24	78	32	-4.5	-41.19	13	,,,,,,,
SC2GW10B	SC2GW10B	4/11/2017 13:04	ADJ	56.3	36.8	1.4	5.5	0.07	78	16	-5.1	-41.19	15	
SC2GW10B	SC2GW10B	5/15/2017 10:37		52.8	36.7	1.8	8.7	0.37	98.8	43.2	-5.24	-43.02	15	No Change: :
SC2GW10B	SC2GW10B	5/15/2017 10:37	ADJ	52.8	36.7	1.8	8.7	0.39	98.8	44.3	-5.41	-40.85	15	
SC2GW10B	SC2GW10B	6/1/2017 10:42		52.6	39.3	1.3	6.8	0.04	100.2	14.4	-3.06	-46.43	15	No Change: :
SC2GW10B	SC2GW10B	6/1/2017 10:42	ADJ	52.6	39.3	1.3	6.8	0.05	100.4	15.2	-3.06	-46.3	15	
SC2GW10B	SC2GW10B	7/19/2017 13:49		51.8	46.2	0	2	0	117.7	0	2.87	-46	15	Opened Valve 1/2 turn or less: :
SC2GW10B	SC2GW10B	7/19/2017 13:49	ADJ	51.8	46.2	0	2	0	116.6	0	-0.16	-46.17	16	
SC2GW10B	SC2GW10B	8/9/2017 9:52		52.7	44.3	0.7	2.3	0.08	117.3	20.4	-0.19	-45.36	16	No Change: :
SC2GW10B	SC2GW10B	8/9/2017 9:52	ADJ	52.7	44.3	0.7	2.3	0.08	117.5	19.8	-0.19	-45.83	16	
SC2GW10B	SC2GW10B	9/22/2017 10:18		57.3	41	0	1.7	0.1	119.7	22.2	-0.07	-45.79	16	Opened Valve 1/2 turn or less: :
SC2GW10B	SC2GW10B	9/22/2017 10:18	ADJ	57.3	41	0	1.7	0.13	120	25.2	-0.27	-45.23	17	
SC2GW10B	SC2GW10B	10/20/2017 8:33		56.2	43.8	0	0	0.3	117	38.4	-0.11	-47.91	17	Opened Valve 1/2 turn or less: :
SC2GW10B	SC2GW10B	10/20/2017 8:33	ADJ	56.2	43.8	0	0	0.09	117.1	21.6	-0.24	-45.66	18	
SC2GW10B	SC2GW10B	11/16/2017 15:34		58	41.1	0.4	0.5	0.08	113	19.8	-0.22	-47.49	18	Opened Valve 1/2 turn or less: :
SC2GW10B	SC2GW10B	11/16/2017 15:34	ADJ	58	41.1	0.4	0.5	0.12	113.5	24.5	-0.41	-47.53	20	
SC2GW10B	SC2GW10B	12/7/2017 15:20		58.6	38.7	0.3	2.4	0.08	106.9	19.9	-1.12	-45.96	20	Opened Valve > 1 turn: :
SC2GW10B	SC2GW10B	12/7/2017 15:20	ADJ	58.6	38.7	0.3	2.4	0.31	108	39.6	-1.9	-45.91	23	
SC2GW11B	SC2GW11B	1/17/2017 10:44		58.1	41.8	0	1	17.65	68	293	-1.5	-37.22	9	,,,,,,,
SC2GW11B	SC2GW11B	1/17/2017 10:44	ADJ	58.1	41.8	0	1	11.39	69	234	-1.6	-37.22	10	
SC2GW11B	SC2GW11B	2/13/2017 16:48		59.7	40.2	0	1	-0.03	71	---	-1.4	-38.1	10	opened 1/4 turn,,,,,,,
SC2GW11B	SC2GW11B	2/13/2017 16:48	ADJ	59.7	40.2	0	1	-0.03	71	---	-1.4	-38.1	10.5	
SC2GW11B	SC2GW11B	3/9/2017 13:38		59.7	39.9	0.2	0.2	0.15	67	25	-2	-38.95	12	opened 1/2 turn,,,,,,,
SC2GW11B	SC2GW11B	3/9/2017 13:38	ADJ	59.7	39.9	0.2	0.2	0.12	70	23	-3.7	-38.95	13	
SC2GW11B	SC2GW11B	4/11/2017 10:31		59.7	40	0.2	1	0.03	60	12	-3.7	-41.39	13	,,,,,,,
SC2GW11B	SC2GW11B	4/11/2017 10:31	ADJ	59.7	40	0.2	1	0.07	60	17	-6.1	-41.39	14	

Seven Mile Creek Landfill

Gas Extraction Report

Well ID	Alias	Date/Time	ADJ	CH4 (%)	CO2 (%)	O2 (%)	Balance (%)	Diff. Press. (in. H2O)	Temp. (deg. F)	Flow (scfm)	Well Pres. (in. H2O)	Header Pres. (in. H2O)	Valve Setting (% Open)	Comments
SC2GW11B	SC2GW11B	5/15/2017 10:16		49.6	37	0.8	12.6	0.1	85.3	22.8	-7.43	-40.68	14	No Change: :
SC2GW11B	SC2GW11B	5/15/2017 10:16	ADJ	49.6	37	0.8	12.6	0.1	85.3	22.6	-7.22	-41.06	14	
SC2GW11B	SC2GW11B	6/1/2017 10:35		50.2	37.4	0.6	11.8	0.1	86.2	22.7	-8.11	-46.85	14	No Change: :
SC2GW11B	SC2GW11B	6/1/2017 10:35	ADJ	50.2	37.4	0.6	11.8	0.1	86.4	22.6	-8.11	-46.68	14	
SC2GW11B	SC2GW11B	7/19/2017 13:34		49.4	37.8	0.1	12.7	0.12	96.8	24	-8.78	-46.89	14	No Change: :
SC2GW11B	SC2GW11B	7/19/2017 13:34	ADJ	49.4	37.8	0.1	12.7	0.11	97	23.3	-8.57	-45.74	14	
SC2GW11B	SC2GW11B	8/9/2017 9:48		49.9	37.3	0.1	12.7	0.11	102.2	23.1	-8.91	-45.4	14	Closed Valve 1/2 turn or less: :
SC2GW11B	SC2GW11B	8/9/2017 9:48	ADJ	49.9	37.3	0.1	12.7	0.08	102	19.7	-7.85	-45.7	13	
SC2GW11B	SC2GW11B	9/22/2017 13:12		50.9	35.7	0.1	13.3	0.07	101.1	18.7	-5.32	-46.26	13	No Change: :
SC2GW11B	SC2GW11B	9/22/2017 13:12	ADJ	50.9	35.7	0.1	13.3	0.06	101.1	17.9	-5.32	-45.57	13	
SC2GW11B	SC2GW11B	10/20/2017 14:31		56.5	41.7	0	1.8	0.06	97.5	17.6	-5.45	-45.11	13	Opened Valve 1/2 turn or less: :
SC2GW11B	SC2GW11B	10/20/2017 14:31	ADJ	56.5	41.7	0	1.8	0.1	97.9	22.7	-7.01	-46.26	14	
SC2GW11B	SC2GW11B	11/16/2017 14:42		55.2	37.4	1.1	6.3	0.21	85.8	32.9	-5.49	-47.96	14	No Change: :
SC2GW11B	SC2GW11B	11/16/2017 14:42	ADJ	55.2	37.4	1.1	6.3	0.21	85.8	32.9	-5.53	-48.13	14	
SC2GW11B	SC2GW11B	12/7/2017 15:57		58.1	37.2	0.7	4	0.15	80.2	28.2	-4.65	-48.13	14	Opened Valve 1/2 to 1 turn: :
SC2GW11B	SC2GW11B	12/7/2017 15:57	ADJ	58.1	37.2	0.7	4	0.26	82.9	36.4	-7.56	-46.21	15	
SC2GW14A	SC2GW14A	1/17/2017 10:29		39	25	7.7	28.3	12.14	54	234	-36.2	-36.42	0	,,,,,,
SC2GW14A	SC2GW14A	1/17/2017 10:29	ADJ	39	25	7.7	28.3	10.05	54	213	-36.1	-36.42	0.1	
SC2GW14A	SC2GW14A	1/17/2017 10:34		33.6	21.6	9.5	35.3	18.63	51	300	-11.8	-37.02	0.1	,,,,,,
SC2GW14A	SC2GW14A	1/17/2017 10:34	ADJ	33.6	21.6	9.5	35.3	14.07	51	260	-11.8	-37.02	0.1	
SC2GW14A	SC2GW14A	1/17/2017 16:18		60.7	39	0.1	0.2	10.45	61	225	-14	-34.91	1	,,,,,,
SC2GW14A	SC2GW14A	1/17/2017 16:18	ADJ	60.7	39	0.1	0.2	9.94	60	220	-12.8	-34.91	1	
SC2GW14A	SC2GW14A	2/13/2017 16:35		61	38.9	0	1	-0.67	56	---	-4.4	-36.62	1	opened 1/4 turn,,,,,,
SC2GW14A	SC2GW14A	2/13/2017 16:35	ADJ	61	38.9	0	1	-0.66	58	---	-4.8	-36.62	1.5	
SC2GW14A	SC2GW14A	2/13/2017 16:37		61.3	38.6	0	1	-1.98	56	---	-4.6	-36.53	1.5	closed 1//4 turn,,,,,,
SC2GW14A	SC2GW14A	2/13/2017 16:37	ADJ	61.3	38.6	0	1	-1.95	54	---	-3.8	-36.53	1	
SC2GW14A	SC2GW14A	3/9/2017 13:25		61	38.9	0	1	-0.45	37	---	-3.5	-38.45	1	opened 1/2 turn,,,,,,
SC2GW14A	SC2GW14A	3/9/2017 13:25	ADJ	61	38.9	0	1	-0.02	55	---	-5.5	-38.45	2	
SC2GW14A	SC2GW14A	4/11/2017 10:18		37.6	24.2	8.8	29.4	-0.04	45	---	-14.3	-33.91	2	,,,,,,
SC2GW14A	SC2GW14A	4/11/2017 10:18	ADJ	37.6	24.2	8.8	29.4	16.26	45	282	-10.4	-33.91	2	
SC2GW14A	SC2GW14A	4/11/2017 15:45		61.2	38.7	0	1	0.01	45	7	-14.5	-39.01	2	,,,,,,
SC2GW14A	SC2GW14A	4/11/2017 15:45	ADJ	61.2	38.7	0	1	0	45	7	-12.6	-39.01	2	
SC2GW14A	SC2GW14A	5/15/2017 10:07		38.5	24.3	7.8	29.4	0	70.9	0	-39.61	-38.98	1	Opened Valve > 1 turn: :
SC2GW14A	SC2GW14A	5/15/2017 10:07	ADJ	38.5	24.3	7.8	29.4	0.01	70.9	7.2	-39.65	-39.45	1	
SC2GW14A	SC2GW14A	5/15/2017 14:16		33.1	21.7	11.4	33.8	0.03	74.1	12.3	-33.74	-41.23	1	Opened Valve 1/2 turn or less: :
SC2GW14A	SC2GW14A	5/15/2017 14:16	ADJ	33.1	21.7	11.4	33.8	0.01	74.1	5.4	-32.77	-39.79	1	
SC2GW14A	SC2GW14A	5/17/2017 10:14		61.2	38.5	0	0.3	0.03	65.7	12.5	-1.77	-43.15	1	Opened Valve 1/2 turn or less: :
SC2GW14A	SC2GW14A	5/17/2017 10:14	ADJ	61.2	38.5	0	0.3	0.02	70.7	11.3	-2.48	-42.38	1	
SC2GW14A	SC2GW14A	6/1/2017 10:25		58.7	37.9	0.1	3.3	0.01	74.8	8.1	-6.8	-44.98	1	Opened Valve > 1 turn: :
SC2GW14A	SC2GW14A	6/1/2017 10:25	ADJ	58.7	37.9	0.1	3.3	0.03	74.5	12.8	-9.8	-45.15	2	
SC2GW14A	SC2GW14A	7/19/2017 13:19		48.1	31.9	4.6	15.4	0.02	89.2	10.3	-43.5	-44.51	2	Opened Valve 1/2 turn or less: :
SC2GW14A	SC2GW14A	7/19/2017 13:19	ADJ	48.1	31.9	4.6	15.4	0.01	89.6	7.7	-42.57	-44.21	3	
SC2GW14A	SC2GW14A	8/9/2017 9:35		46	29.9	6.4	17.7	0.01	80.1	7.4	-5.49	-45.4	3	
SC2GW14A	SC2GW14A	8/9/2017 9:35	ADJ	46	29.9	6.4	17.7	0.01	80.4	7.8	-6.84	-45.45	4	
SC2GW14A	SC2GW14A	8/9/2017 9:36		45.8	31.4	4.7	18.1	0.04	79.2	12.5	-42.57	-43.66	3	Opened Valve 1/2 to 1 turn: :
SC2GW14A	SC2GW14A	8/9/2017 9:36	ADJ	45.8	31.4	4.7	18.1	0	77.9	0	-41.72	-42.38	4	
SC2GW14A	SC2GW14A	9/22/2017 13:26		56.8	37.6	0.3	5.3	0.01	94.1	7.9	-0.81	-44.51	4	Opened Valve 1/2 to 1 turn: :
SC2GW14A	SC2GW14A	9/22/2017 13:26	ADJ	56.8	37.6	0.3	5.3	0.01	93.7	8.5	-1.52	-44.38	5	
SC2GW14A	SC2GW14A	10/20/2017 14:20		54.8	38.1	1.6	5.5	0.02	81.5	11.2	-10.85	-43.87	7	No Change: :
SC2GW14A	SC2GW14A	10/20/2017 14:20	ADJ	54.8	38.1	1.6	5.5	0.02	81.5	10.8	-11.02	-43.66	7	
SC2GW14A	SC2GW14A	11/16/2017 16:35		55	45	0.1	0	0.18	69.6	31.5	-0.77	-48.3	7	No Change: :
SC2GW14A	SC2GW14A	11/16/2017 16:35	ADJ	55	45	0.1	0	0.2	69.8	32.7	-0.58	-47.06	7	
SC2GW14A	SC2GW14A	12/7/2017 16:22		59.2	39.5	0.1	1.2	0	68	0	-0.04	-44.13	7	Opened Valve 1/2 turn or less: :
SC2GW14A	SC2GW14A	12/7/2017 16:22	ADJ	59.2	39.5	0.1	1.2	0.1	68.9	23.8	-0.58	-48.17	8	
SC2GW15A	SC2GW15A	1/17/2017 13:06		60.6	39.3	0	1	20.35	119	305	-10.6	-32.41	25	,,,,,,
SC2GW15A	SC2GW15A	1/17/2017 13:06	ADJ	60.6	39.3	0	1	12.06	119	234	-10.7	-32.41	26	
SC2GW15A	SC2GW15A	2/14/2017 9:57		55.2	37.7	0	7.1	0.25	126	31	-13.8	-34.34	26	,,,,,,
SC2GW15A	SC2GW15A	2/14/2017 9:57	ADJ	55.2	37.7	0	7.1	0.49	126	44	-13.8	-34.34	26	
SC2GW15A	SC2GW15A	3/9/2017 15:38		54.1	37.2	0.7	8	0.55	128	46	-16.2	-33.18	25	closed 1//4 turn,,,,,,
SC2GW15A	SC2GW15A	3/9/2017 15:38	ADJ	54.1	37.2	0.7	8	0.14	128	23	-16	-33.18	24	
SC2GW15A	SC2GW15A	4/11/2017 14:37		55.4	37.8	0.1	6.7	0.8	100	58	-12.5	-33.87	24	,,,,,,
SC2GW15A	SC2GW15A	4/11/2017 14:37	ADJ	55.4	37.8	0.1	6.7	0.53	100	47	-12.6	-33.87	26	
SC2GW15A	SC2GW15A	5/15/2017 11:42		47.8	36.1	1.8	14.3	0.42	130.6	43.6	-14.86	-38.04	25	Closed Valve > 1 turn: :
SC2GW15A	SC2GW15A	5/15/2017 11:42	ADJ	47.8	36.1	1.8	14.3	0.3	129.7	37.1	-14.53	-38.98	20	
SC2GW15A	SC2GW15A	6/1/2017 15:18		48.3	35.8	2.2	13.7	0.38	129.9	42	-13.56	-41.87	20	Closed Valve 1/2 to 1 turn: :
SC2GW15A	SC2GW15A	6/1/2017 15:18	ADJ	48.3	35.8	2.2	13.7	0.29	129.6	36.2	-13.26	-44.51	19	
SC2GW15A	SC2GW15A	7/19/2017 15:10		47	37.3	1.5	14.2	0.86	134.6	61.8	-18.24	-29.28	19	Closed Valve 1/2 to 1 turn: :
SC2GW15A	SC2GW15A	7/19/2017 15:10	ADJ	47	37.3	1.5	14.2	0.04	124.9	13.5	-15.08	-38.09	18	
SC2GW15A	SC2GW15A	8/9/2017 11:26		45.7	36.7	2.6	15	0.45	126.7	44.9	-17.36	-33.06	18	
SC2GW15A	SC2GW15A	8/9/2017 11:26	ADJ	45.7	36.7	2.6	15	0.89	126.9	63	-19.34	-30.13	20	
SC2GW15A	SC2GW15A	9/22/2017 13:07		48	36.7	1.7	13.6	0.18	126.1	28.4	-13.56	-29.11	20	Closed Valve 1/2 turn or less: :
SC2GW15A	SC2GW15A	9/22/2017 13:07	ADJ	48	36.7	1.7	13.6	0.25	122.5	33.8	-12.96	-32.98	18	
SC2GW15A	SC2GW15A	10/20/2017 9:28		44.7	36.5	3.2	15.6	0.58	125.6	51.9	-12.88	-32.68	18	Opened Valve 1/2 turn or less: :
SC2GW15A	SC2GW15A	10/20/2017 9:28	ADJ	44.7	36.5	3.2	15.6	0.58	126.5	51.8	-13.22	-28.38	19	
SC2GW15A	SC2GW15A	10/20/2017 9:30		44.7	36.9	3.1	15.3	0.65	127.2	54.5	-14.19	-30.43	19	No Change: :
SC2GW15A	SC2GW15A	10/20/2017 9:30	ADJ	44.7	36.9	3.1	15.3	0.62	127.2	53.5	-14.02	-29.19	19	
SC2GW15A	SC2GW15A	11/17/2017 9:59		52.1	35.3	2.3	10.3	0.4	134.8	43.3	-7.77	-27.96	19	Closed Valve 1/2 turn or less: :
SC2GW15A	SC2GW15A	11/17/2017 9:59	ADJ	52.1	35.3	2.3	10.3	0	130.5	0	-5.79	-35.74	17	
SC2GW15A	SC2GW15A	12/7/2017 16:05		48.8	33.9	3	14.3	0.01	130.8	5.8	-6.42	-22.68	17	No Change: :
SC2GW15A	SC2GW15A	12/7/2017 16:05	ADJ	48.8	33.9	3	14.3	0.02	131	10.3	-6.42	-22.89	17	
SC2GW15A	SC2GW15A	12/11/2017 10:41		50.5	37.7	1.9	9.9	0.12	131.2	24.3	-5.83	-33.83	17	Closed Valve 1/2 turn or less: :
SC2GW15A	SC2GW15A	12/11/2017 10:41	ADJ	50.5	37.7	1.9	9.9	0.01	130.6	5.4	-5.79	-32.47	15	
SC2GW15A	SC2GW15A	12/21/2017 14:57		50.3	36.1	2.2	11.4	0.2	129	30.7	-6.42	-33.32	17	Closed Valve 1/2 turn or less: :
SC2GW15A	SC2GW15A	12/21/2017 14:57	ADJ	50.3	36.1	2.2	11.4	0.08	126.7	19.2	-5.79	-37.11	16	
SC2GW16A	SC2GW16A	1/17/2017 14:38		59.4	38.8	0.1	1.7	17.58	107	800	-31.7	-36.5	40	,,,,,,
SC2GW16A	SC2GW16A	1/17/2017 14:38	ADJ	59.4	38.8	0.1	1.7	11.82	107	654	-32.3	-36.5	41	
SC2GW16A	SC2GW16A	2/14/2017 8:56		55.5	38.2	0.1	6.2	0.17	108	75	-33.4	-37.13	41	opened 1/4 turn,,,,,,
SC2GW16A	SC2GW16A	2/14/2017 8:56	ADJ	55.5	38.2	0.1	6.2	0.91	109	173	-33.8	-37.13	41.5	
SC2GW16A	SC2GW16A	3/10/2017 8:34		49.4	35.6	0.8	14.2	0.71	111	151	-35.7	-39.39	41.5	no change,,,,,,
SC2GW16A	SC2GW16A	3/10/2017 8:34	ADJ	49.4	35.6	0.8	14.2	0.57	112	135	-35.5	-39.39	41.5	
SC2GW16A	SC2GW16A	4/11/2017 13:58		51.7	36	0.7	11.6	0.35	74	109	-36.2	-40.16	41	,,,,,,
SC2GW16A	SC2GW16A	4/11/2017 13:58	ADJ	51.7	36	0.7	11.6	0.41	74	119	-36	-40.16	41	
SC2GW16A	SC2GW16A	5/15/2017 13:00		47.5	37.7	0.8	14	0.39	117.5	87.4	-38.18	-40.81	41	Closed Valve 1/2 to 1 turn: :
SC2GW16A	SC2GW16A	5/15/2017 13:00	ADJ	47.5	37.7	0.8	14	0.31	117.5	77.9	-37.16	-41.15	42	
SC2GW16A	SC2GW16A	6/1/2017 16:22		47.9	37.3	0.8	14	0.46	117.5	93.1	-41.55	-46.43	42	Closed Valve 1/2 turn or less: :
SC2GW16A	SC2GW16A	6/1/2017 16:22	ADJ	47.9	37.3	0.8	14	0.33	117.5	79.3	-41.22	-46.3	41	
SC2GW16A	SC2GW16A	7/19/2017 16:23		42.9	34.6	1.2	21.3	0.4	121.3	87.1	-41.22	-45.23	41	Opened Valve 1/2 turn or less: :
SC2GW16A	SC2GW16A	7/19/2017 16:23	ADJ	42.9	34.6	1.2	21.3	0.33	121.5	79.4	-41.89	-45.49	42	
SC2GW16A	SC2GW16A	8/9/2017 11:08		41.6	35	1.7	21.7	0.35	124	81.6	-40.96	-45.23	42	Closed Valve 1/2 turn or less: :
SC2GW16A	SC2GW16A	8/9/2017 11:08	ADJ	41.6	35	1.7	21.7	0.27	124.2	72.5	-36.06	-45.53	41	
SC2GW16A	SC2GW16A	9/22/2017 12:51		38.3	31.9	2.7	27.1	0.05	131.5	34.5	-6.12	-46.72	41	Closed Valve > 1 turn: :
SC2GW16A	SC2GW16A	9/22/2017 12:51	ADJ	38.3	31.9	2.7	27.1	0.17	130.1	61.6	-2.6	-46.51	40	
SC2GW16A	SC2GW16A	10/20/2017 13:10		54.5	41.4	0.4	3.7	0.03	124.7	24.6	-15.29	-46.72	40	No Change: :
SC2GW16A	SC2GW16A	10/20/2017 13:10	ADJ	54.5	41.4	0.4	3.7	0.04	124.7	28.2	-14.95	-46.68	40	
SC2GW16A	SC2GW16A	11/17/2017 9:51		49.9	36.5	3	10.6	0.02	116.6	22.9	-0.98	-48.38	40	Closed Valve 1/2 turn or less: :
SC2GW16A	SC2GW16A	11/17/2017 9:51	ADJ	49.9	36.5	3	10.6	0.01	116.6	14	-0.71	-48.38	39	

Seven Mile Creek Landfill

Gas Extraction Report

Well ID	Alias	Date/Time	ADJ	CH4 (%)	CO2 (%)	O2 (%)	Balance (%)	Diff. Press. (in. H2O)	Temp. (deg. F)	Flow (scfm)	Well Pres. (in. H2O)	Header Pres. (in. H2O)	Valve Setting (% Open)	Comments
SC2GW16A	SC2GW16A	12/7/2017 15:39		48.7	33.8	3.6	13.9	0.36	108.7	92.2	-0.21	-47.74	39	Closed Valve 1/2 turn or less: :
SC2GW16A	SC2GW16A	12/7/2017 15:39	ADJ	48.7	33.8	3.6	13.9	0.14	108.3	58.7	-0.03	-47.79	37	
SC2GW16A	SC2GW16A	12/21/2017 14:48		49.8	35.5	3	11.7	2.62	108.5	249.7	-1.79	-49.62	39	Closed Valve 1/2 turn or less: :
SC2GW16A	SC2GW16A	12/21/2017 14:48	ADJ	49.8	35.5	3	11.7	0.65	107.6	124.4	-0.17	-49.4	38	
SC2GW22A	SC2GW22A	1/17/2017 11:43		58.9	40.9	0	0.2	19.57	121	290	-29.3	-42.15	30	,,,,,,
SC2GW22A	SC2GW22A	1/17/2017 11:43	ADJ	58.9	40.9	0	0.2	10.86	121	215	-29.4	-42.15	31	
SC2GW22A	SC2GW22A	2/14/2017 8:41		57.5	39.1	0.4	3	0.63	120	49	-29.8	-43.64	31	opened 1/4 turn,,,,,,
SC2GW22A	SC2GW22A	2/14/2017 8:41	ADJ	57.5	39.1	0.4	3	0.75	121	54	-29.8	-43.64	31.5	
SC2GW22A	SC2GW22A	3/9/2017 15:09		59.4	39.9	0.5	0.2	0.61	119	48	-32.7	-44.39	32	opened 1/2 turn,,,,,,
SC2GW22A	SC2GW22A	3/9/2017 15:09	ADJ	59.4	39.9	0.5	0.2	0.67	120	51	-33	-44.39	33	
SC2GW22A	SC2GW22A	4/11/2017 13:43		59.4	40.2	0.2	0.2	0.48	104	43	-34	-44.45	33	,,,,,,
SC2GW22A	SC2GW22A	4/11/2017 13:43	ADJ	59.4	40.2	0.2	0.2	0.71	104	53	-35.3	-44.45	34	
SC2GW22A	SC2GW22A	5/15/2017 11:10		54.3	39.1	0.4	6.2	0.55	119.7	47.8	-36.82	-43.57	34	Opened Valve 1/2 turn or less: :
SC2GW22A	SC2GW22A	5/15/2017 11:10	ADJ	54.3	39.1	0.4	6.2	0.64	120	51.5	-37.08	-44.64	35	
SC2GW22A	SC2GW22A	6/1/2017 11:22		50.2	40.5	0.4	8.9	0.28	129.2	36.6	-4.76	-51.28	35	Closed Valve 1/2 turn or less: :
SC2GW22A	SC2GW22A	6/1/2017 11:22	ADJ	50.2	40.5	0.4	8.9	0.27	129.2	35.7	-4.63	-50.47	34	
SC2GW22A	SC2GW22A	7/19/2017 14:37		52.9	38.6	0.1	8.4	0.78	121.1	55.8	-41.55	-49.06	34	Closed Valve 1/2 to 1 turn: :
SC2GW22A	SC2GW22A	7/19/2017 14:37	ADJ	52.9	38.6	0.1	8.4	0.64	121.3	50.6	-41.05	-51.06	34	
SC2GW22A	SC2GW22A	8/9/2017 10:41		54.1	40.5	0.2	5.2	0.76	121.3	55.3	-39.61	-50.09	34	Opened Valve 1/2 turn or less: :
SC2GW22A	SC2GW22A	8/9/2017 10:41	ADJ	54.1	40.5	0.2	5.2	0.87	121.5	59.1	-40.63	-49.57	35	
SC2GW22A	SC2GW22A	9/22/2017 10:52		50.8	37.5	0	11.7	0.66	121.8	51.7	-40.54	-49.06	35	No Change: :
SC2GW22A	SC2GW22A	9/22/2017 10:52	ADJ	50.8	37.5	0	11.7	0.74	121.6	54.6	-40.63	-48.13	35	
SC2GW22A	SC2GW22A	10/20/2017 10:37		54.7	41.3	0.1	3.9	0.67	121.3	51.8	-41.55	-50.13	35	No Change: :
SC2GW22A	SC2GW22A	10/20/2017 10:37	ADJ	54.7	41.3	0.1	3.9	0.66	121.5	51.6	-41.6	-49.79	35	
SC2GW22A	SC2GW22A	11/16/2017 16:12		55	37.1	0.4	7.5	0.92	122.5	60.3	-41.55	-50.21	35	No Change: :
SC2GW22A	SC2GW22A	11/16/2017 16:12	ADJ	55	37.1	0.4	7.5	0.88	122.7	59	-41.34	-50.68	35	
SC2GW22A	SC2GW22A	12/7/2017 14:51		50.2	36.5	0.4	12.9	0.89	122.9	60	-38.18	-46.85	35	Closed Valve 1/2 to 1 turn: :
SC2GW22A	SC2GW22A	12/7/2017 14:51	ADJ	50.2	36.5	0.4	12.9	0.81	122.9	57.3	-37.71	-46.98	32	
SC2GW23A	SC2GW23A	1/17/2017 11:38		55.8	44.1	0	1	20.55	123	303	-1.6	-43.26	16	,,,,,,
SC2GW23A	SC2GW23A	1/17/2017 11:38	ADJ	55.8	44.1	0	1	11.62	123	227	-1.7	-43.26	16	
SC2GW23A	SC2GW23A	2/14/2017 8:35		57.1	42.8	0	1	0.24	126	31	-1.1	-44.76	15	opened 1/4 turn,,,,,,
SC2GW23A	SC2GW23A	2/14/2017 8:35	ADJ	57.1	42.8	0	1	0.23	126	30	-1.2	-44.76	16	
SC2GW23A	SC2GW23A	3/9/2017 15:03		56	40.6	0.3	3.1	1.18	125	69	-4.4	-45.59	15	closed 1/2 turn,,,,,,
SC2GW23A	SC2GW23A	3/9/2017 15:03	ADJ	56	40.6	0.3	3.1	0.78	125	56	-4.1	-45.59	14	
SC2GW23A	SC2GW23A	4/11/2017 13:37		56.9	40.9	0.1	2.1	0.96	90	64	-3.7	-46.28	14	,,,,,,
SC2GW23A	SC2GW23A	4/11/2017 13:37	ADJ	56.9	40.9	0.1	2.1	0.89	90	62	-4	-46.28	17	
SC2GW23A	SC2GW23A	5/15/2017 11:06		51.1	40	0.3	8.6	0.34	129	40.8	-3.74	-46.64	17	No Change: :
SC2GW23A	SC2GW23A	5/15/2017 11:06	ADJ	51.1	40	0.3	8.6	0.34	128.8	40.6	-3.88	-47.87	17	
SC2GW23A	SC2GW23A	6/23/2017 10:48		55.5	41.3	0.4	2.8	0.67	127.6	57.4	-2.71	-54	17	Opened Valve 1/2 turn or less: :
SC2GW23A	SC2GW23A	6/23/2017 10:48	ADJ	55.5	41.3	0.4	2.8	0.69	127.8	58	-3.58	-53.45	18	
SC2GW23A	SC2GW23A	7/19/2017 14:32		49.3	39.5	1.1	10.1	0.32	130.5	39	-5.41	-51.66	17	Closed Valve 1/2 to 1 turn,Closed Valve > 1 turn: :
SC2GW23A	SC2GW23A	7/19/2017 14:32	ADJ	49.3	39.5	1.1	10.1	0	129	0	-3.04	-50.55	16	
SC2GW23A	SC2GW23A	8/9/2017 10:37		55.6	44.4	0	0	0	127.9	0	7.94	-49.91	16	No Change: :
SC2GW23A	SC2GW23A	8/9/2017 10:37	ADJ	55.6	44.4	0	0	0	126.1	0	8.07	-49.83	16	
SC2GW23A	SC2GW23A	8/10/2017 9:06		56.2	43.8	0	0	0	118.6	0	8.78	-50.72	16	
SC2GW23A	SC2GW23A	8/10/2017 9:06	ADJ	56.2	43.8	0	0	1.71	126.9	91.8	-2.46	-48.55	17	
SC2GW23A	SC2GW23A	9/22/2017 10:48		56.3	42.2	0	1.5	0	130.3	0	6.59	-48.85	17	Opened Valve 1/2 turn or less: :
SC2GW23A	SC2GW23A	9/22/2017 10:48	ADJ	56.3	42.2	0	1.5	0	128.7	0	-0.56	-46.09	18	
SC2GW23A	SC2GW23A	10/20/2017 10:29		56	44	0	0	0	116.6	0	7.73	-50.13	18	Opened Valve 1/2 turn or less: :
SC2GW23A	SC2GW23A	10/20/2017 10:29	ADJ	56	44	0	0	0	120.9	0	7.64	-50.04	19	
SC2GW23A	SC2GW23A	10/20/2017 10:32		54.9	45.1	0	0	0.02	124	9.8	7.31	-50	19	No Change: :
SC2GW23A	SC2GW23A	10/20/2017 10:32	ADJ	54.9	45.1	0	0	0.02	124.9	10.6	7.22	-50.21	19	
SC2GW23A	SC2GW23A	10/20/2017 17:09		56.3	43.8	0	0	0	128.1	0	7.73	-50.43	18	Opened Valve 1/2 turn or less: :
SC2GW23A	SC2GW23A	10/20/2017 17:09	ADJ	56.3	43.8	0	0	2.61	128.8	111.2	-4.6	-48.85	20	
SC2GW23A	SC2GW23A	11/16/2017 16:08		57	43	0	0	0.47	127.2	48	-0.54	-51.66	21	Opened Valve 1/2 turn or less: :
SC2GW23A	SC2GW23A	11/16/2017 16:08	ADJ	57	43	0	0	0.56	127.8	52.4	-0.7	-52.04	22	
SC2GW23A	SC2GW23A	12/7/2017 14:46		54.8	40	0.3	4.9	0.49	127	48.8	-2.77	-48.77	22	No Change: :
SC2GW23A	SC2GW23A	12/7/2017 14:46	ADJ	54.8	40	0.3	4.9	0.67	127.4	57.1	-2.88	-49.62	22	
SC2GW26A	SC2GW26A	1/17/2017 10:40		57.7	42.1	0	0.2	19.66	76	305	-5.9	-39.03	20	,,,,,,
SC2GW26A	SC2GW26A	1/17/2017 10:40	ADJ	57.7	42.1	0	0.2	12.01	76	237	-6	-39.03	21	
SC2GW26A	SC2GW26A	2/13/2017 16:43		59.1	40.2	0.1	0.6	0.77	77	58	-9.7	-39.31	21	opened 1/2 turn,,,,,,
SC2GW26A	SC2GW26A	2/13/2017 16:43	ADJ	59.1	40.2	0.1	0.6	0.72	77	56	-10.1	-39.31	26	
SC2GW26A	SC2GW26A	3/9/2017 13:33		56.4	39.1	0.7	3.8	0.84	77	61	-12.2	-39.73	27	opened 1/2 turn,,,,,,
SC2GW26A	SC2GW26A	3/9/2017 13:33	ADJ	56.4	39.1	0.7	3.8	1.04	77	67	-12.5	-39.73	28	
SC2GW26A	SC2GW26A	4/11/2017 10:25		53.5	37.2	1.7	7.6	0.94	70	65	-8.6	-36.15	28	,,,,,,
SC2GW26A	SC2GW26A	4/11/2017 10:25	ADJ	53.5	37.2	1.7	7.6	0.76	70	58	-8.4	-36.15	29	
SC2GW26A	SC2GW26A	5/15/2017 10:12		50.2	36	1.7	12.1	0.88	83.8	65.8	-15.5	-41.23	29	No Change: :
SC2GW26A	SC2GW26A	5/15/2017 10:12	ADJ	50.2	36	1.7	12.1	0.94	83.8	68.2	-15.54	-41.49	29	
SC2GW26A	SC2GW26A	6/1/2017 10:31		42.8	32.8	4.3	20.1	1.06	87.3	71.5	-17.48	-46.34	29	Closed Valve > 1 turn: :
SC2GW26A	SC2GW26A	6/1/2017 10:31	ADJ	42.8	32.8	4.3	20.1	0.66	87.1	56.5	-15.54	-48.3	28	
SC2GW26A	SC2GW26A	7/19/2017 13:31		47.9	39.2	1.7	11.2	0.78	96.4	61.6	-12.25	-46.64	28	Closed Valve 1/2 turn or less: :
SC2GW26A	SC2GW26A	7/19/2017 13:31	ADJ	47.9	39.2	1.7	11.2	0.6	96.6	54.4	-11.23	-46.34	27	
SC2GW26A	SC2GW26A	8/9/2017 9:43		50	40.1	1.2	8.7	0.67	95.2	57.5	-9.63	-45.83	27	Closed Valve 1/2 turn or less: :
SC2GW26A	SC2GW26A	8/9/2017 9:43	ADJ	50	40.1	1.2	8.7	0.39	95.2	43.8	-8.19	-47.06	26	
SC2GW26A	SC2GW26A	9/22/2017 11:19		54.7	39.2	0.3	5.8	0.44	95.5	47.4	-5.74	-46.77	26	Opened Valve 1/2 turn or less: :
SC2GW26A	SC2GW26A	9/22/2017 11:19	ADJ	54.7	39.2	0.3	5.8	0.47	95.5	48.6	-6.33	-47.15	27	
SC2GW26A	SC2GW26A	10/20/2017 14:25		56.4	41.9	0.2	1.5	0.48	92.3	49.3	-6.38	-46.13	27	
SC2GW26A	SC2GW26A	10/20/2017 14:25	ADJ	56.4	41.9	0.2	1.5	0.77	92.5	62.1	-7.81	-47.45	28	
SC2GW26A	SC2GW26A	11/16/2017 16:31		55.3	40.9	0.8	3	0.82	89.2	63.6	-11.87	-48.64	28	No Change: :
SC2GW26A	SC2GW26A	11/16/2017 16:31	ADJ	55.3	40.9	0.8	3	0.81	89.4	63.2	-12.2	-49.74	28	
SC2GW26A	SC2GW26A	12/7/2017 15:54		54.9	38.8	1.2	5.1	0.73	85.3	60.5	-11.49	-48.34	28	No Change: :
SC2GW26A	SC2GW26A	12/7/2017 15:54	ADJ	54.9	38.8	1.2	5.1	0.69	85.3	58.5	-11.49	-47.23	28	
SC2GW27A	SC2GW27A	1/17/2017 13:15		59.1	40.3	0.4	0.2	21.71	106	319	-0.5	-32.59	16	,,,,,,
SC2GW27A	SC2GW27A	1/17/2017 13:15	ADJ	59.1	40.3	0.4	0.2	11.56	106	231	-0.7	-32.59	18	
SC2GW27A	SC2GW27A	2/14/2017 9:47		59.2	40.7	0	1	0.18	107	27	-0.4	-30.7	18	opened 1/4 turn,,,,,,
SC2GW27A	SC2GW27A	2/14/2017 9:47	ADJ	59.2	40.7	0	1	0.2	108	28	-0.5	-30.7	19	
SC2GW27A	SC2GW27A	3/9/2017 15:31		56.1	37.8	1.4	4.7	0.07	110	16	-0.4	-25.06	20	opened 1/4 turn,,,,,,
SC2GW27A	SC2GW27A	3/9/2017 15:31	ADJ	56.1	37.8	1.4	4.7	0.19	111	27	-0.5	-25.06	21	
SC2GW27A	SC2GW27A	4/11/2017 14:12		59.4	39.9	0.5	0.2	0.11	91	21	-0.2	-10.36	21	,,,,,,
SC2GW27A	SC2GW27A	4/11/2017 14:12	ADJ	59.4	39.9	0.5	0.2	0.19	91	28	-0.2	-10.36	23	
SC2GW27A	SC2GW27A	4/26/2017 14:48		58.6	41.2	0.1	1	0.15	110	25	-0.2	-8.27	21	,,,,,,
SC2GW27A	SC2GW27A	4/26/2017 14:48	ADJ	58.6	41.2	0.1	1	0.14	110	24	-0.2	-8.27	23	
SC2GW27A	SC2GW27A	5/15/2017 11:35		56	41.3	0.1	2.6	0	106	3.7	0.13	-0.34	23	Opened Valve 1/2 to 1 turn: :
SC2GW27A	SC2GW27A	5/15/2017 11:35	ADJ	56	41.3	0.1	2.6	0.03	106	11.8	0.07	0.38	24	
SC2GW27A	SC2GW27A	5/17/2017 10:01		57.9	40.5	0	1.6	0.01	104.5	8.2	0.4	0.3	2	
SC2GW27A	SC2GW27A	5/17/2017 10:01	ADJ	57.9	40.5	0	1.6	0.01	102.7	7.8	0.39	-0.6	2	
SC2GW27A	SC2GW27A	5/17/2017 15:09		58.3	41.1	0	0.6	0.07	105.3	19.2	0.18	-2.04	23	Opened Valve > 1 turn: :
SC2GW27A	SC2GW27A	5/17/2017 15:09	ADJ	58.3	41.1	0	0.6	0.05	102.9	16.1	-0.01	-14.64	27	
SC2GW27A	SC2GW27A	6/1/2017 15:01		57.1	41.9	0	1	0.02	100.2	11.1	-0.03	-2.85	27	Opened Valve 1/2 to 1 turn: :
SC2GW27A	SC2GW27A	6/1/2017 15:01	ADJ	57.1	41.9	0	1	0.04	101.1	13.8	-0.02	-2.38	28	
SC2GW27A	SC2GW27A	7/19/2017 14:59		57	41.2	0	1.8	0.23	106.2	34	-0.01	-33.02	28	Opened Valve 1/2 turn or less: :
SC2GW27A	SC2GW27A	7/19/2017 14:59	ADJ	57	41.2	0	1.8	0.19	110.7	31.3	-0.03	-31.96	29	
SC2GW27A	SC2GW27A	8/9/2017 10:55		54.8	44.2	0.2	0.8	0.15	115.5	27.5	-0.02	-42.13	29	Opened Valve 1/2 turn or less: :
SC2GW27A	SC2GW27A	8/9/2017 10:55	ADJ	54.8	44.2	0.2	0.8	0.19	115.9	30.9	-0.19	-40.47	30	
SC2GW27A	SC2GW27A	9/22/2017 11:28		54.4	37.4	0.7	7.5	0.01	116.4	8.3	-0.49	-36.21	31	No Change: :

Seven Mile Creek Landfill

Gas Extraction Report

Well ID	Alias	Date/Time	ADJ	CH4 (%)	CO2 (%)	O2 (%)	Balance (%)	Diff. Press. (in. H2O)	Temp. (deg. F)	Flow (scfm)	Well Pres. (in. H2O)	Header Pres. (in. H2O)	Valve Setting (% Open)	Comments
SC2GW27A	SC2GW27A	9/22/2017 11:28	ADJ	54.4	37.4	0.7	7.5	0.01	116.6	6.2	-0.43	-34.81	31	
SC2GW27A	SC2GW27A	9/22/2017 11:35		55.4	40.4	0.6	3.6	0.05	117	15.6	-0.59	-31.49	30	Opened Valve 1/2 turn or less: :
SC2GW27A	SC2GW27A	9/22/2017 11:35	ADJ	55.4	40.4	0.6	3.6	0.08	117.3	20.2	-0.75	-34.3	31	
SC2GW27A	SC2GW27A	10/20/2017 8:53		51.7	38.5	1.8	8	0.32	112.3	40.1	-1.23	-35.23	31	No Change: :
SC2GW27A	SC2GW27A	10/20/2017 8:53	ADJ	51.7	38.5	1.8	8	0.32	112.3	40.3	-1.21	-34.38	31	
SC2GW27A	SC2GW27A	11/16/2017 16:41		54.5	37.5	1.9	6.1	0.18	113.4	30.2	-1.23	-28.94	31	No Change: :
SC2GW27A	SC2GW27A	11/16/2017 16:41	ADJ	54.5	37.5	1.9	6.1	0.18	113.4	30.2	-1.23	-28.94	31	
SC2GW27A	SC2GW27A	12/7/2017 15:44		51.2	36.5	1.8	10.5	0.02	113.5	9.4	-1.27	-32.21	31	Closed Valve 1/2 turn or less: :
SC2GW27A	SC2GW27A	12/7/2017 15:44	ADJ	51.2	36.5	1.8	10.5	0.02	112.1	10.6	-0.64	-29.32	17	
SC2GW27A	SC2GW27A	12/21/2017 14:39		53.3	38.2	1.2	7.3	0.06	110.5	17.5	-0.88	-28.38	31	No Change: :
SC2GW27A	SC2GW27A	12/21/2017 14:39	ADJ	53.3	38.2	1.2	7.3	0.07	110.8	18.4	-0.89	-33.79	31	
SC2GW28A	SC2GW28A	1/17/2017 14:43		58.6	41.3	0	1	19.11	93	289	-30.8	-35.62	43	,,,,,,
SC2GW28A	SC2GW28A	1/17/2017 14:43	ADJ	58.6	41.3	0	1	12.36	93	231	-31	-35.62	43	
SC2GW28A	SC2GW28A	2/14/2017 8:50		58	41.9	0	1	2.68	86	107	-22.8	-35.06	43	no change,,,,,,
SC2GW28A	SC2GW28A	2/14/2017 8:50	ADJ	58	41.9	0	1	2.13	88	95	-23	-35.06	43	
SC2GW28A	SC2GW28A	3/9/2017 16:05		60.2	39.5	0.1	0.2	0.84	84	59	-34.6	-38.35	46	opened 1/2 turn,,,,,,
SC2GW28A	SC2GW28A	3/9/2017 16:05	ADJ	60.2	39.5	0.1	0.2	0.82	84	58	-34.7	-38.35	47	
SC2GW28A	SC2GW28A	4/11/2017 13:52		60.3	39.6	0	1	1.02	72	66	-36	-39.17	47	,,,,,,
SC2GW28A	SC2GW28A	4/11/2017 13:52	ADJ	60.3	39.6	0	1	1.04	72	66	-36	-39.17	47	
SC2GW28A	SC2GW28A	5/15/2017 11:21		55.4	37.3	0.4	6.9	0.88	87.3	62	-37.58	-40.34	47	Opened Valve > 1 turn: :
SC2GW28A	SC2GW28A	5/15/2017 11:21	ADJ	55.4	37.3	0.4	6.9	0.83	87.3	60.1	-37.84	-40.38	48	
SC2GW28A	SC2GW28A	6/2/2017 7:55		57.5	38.7	0.1	3.7	0.79	86.9	57.8	-43.29	-46.47	48	Opened Valve > 1 turn: :
SC2GW28A	SC2GW28A	6/2/2017 7:55	ADJ	57.5	38.7	0.1	3.7	0.92	87.1	62.1	-43.54	-46.26	49	
SC2GW28A	SC2GW28A	7/19/2017 16:43		55.9	39.3	0.6	4.2	0.71	89.1	54.8	-42.23	-44.38	49	Opened Valve > 1 turn: :
SC2GW28A	SC2GW28A	7/19/2017 16:43	ADJ	55.9	39.3	0.6	4.2	0.82	88.9	58.8	-42.61	-45.11	50	
SC2GW28A	SC2GW28A	8/9/2017 11:35		56.4	39.5	0.6	3.5	0.71	89.1	54.4	-43.62	-45.96	50	Opened Valve > 1 turn: :
SC2GW28A	SC2GW28A	8/9/2017 11:35	ADJ	56.4	39.5	0.6	3.5	0.64	89.1	51.6	-43.62	-45.62	51	
SC2GW28A	SC2GW28A	9/22/2017 11:02		58.4	36.1	0.4	5.1	0	97.2	0	-39.19	-44.13	51	Opened Valve 1/2 to 1 turn: :
SC2GW28A	SC2GW28A	9/22/2017 11:02	ADJ	58.4	36.1	0.4	5.1	0	97.2	0	-39.23	-43.83	53	
SC2GW28A	SC2GW28A	10/20/2017 13:01		57.3	40.9	0.4	1.4	1.45	96.3	78.2	-40.88	-41.87	53	Opened Valve 1/2 turn or less: :
SC2GW28A	SC2GW28A	10/20/2017 13:01	ADJ	57.3	40.9	0.4	1.4	1.35	96.4	75.4	-41.26	-41.87	54	
SC2GW28A	SC2GW28A	11/17/2017 9:44		58.7	39.3	0.5	1.5	1.53	95.9	80.4	-41.89	-44.85	54	Opened Valve > 1 turn: :
SC2GW28A	SC2GW28A	11/17/2017 9:44	ADJ	58.7	39.3	0.5	1.5	1.41	96.1	77.2	-41.55	-44.81	55	
SC2GW28A	SC2GW28A	12/7/2017 15:06		59.8	37	0.5	2.7	1.34	92.5	74.9	-42.31	-45.19	100	Valve completely open: :
SC2GW28A	SC2GW28A	12/7/2017 15:06	ADJ	59.8	37	0.5	2.7	1.42	92.5	77	-42.91	-45.49	100	
SC2GW29B	SC2GW29B	1/17/2017 13:20		57.5	42.4	0	1	20.41	117	293	-31.4	-35.4	45	,,,,,,
SC2GW29B	SC2GW29B	1/17/2017 13:20	ADJ	57.5	42.4	0	1	12.05	117	224	-31.4	-35.4	46	
SC2GW29B	SC2GW29B	2/14/2017 9:42		59.3	40.5	0.1	1	1.01	118	63	-29.5	-35.82	46	opened 1/2 turn,,,,,,
SC2GW29B	SC2GW29B	2/14/2017 9:42	ADJ	59.3	40.5	0.1	1	0.88	118	58	-29.8	-35.82	46.5	
SC2GW29B	SC2GW29B	3/9/2017 15:21		58.5	40.9	0.5	1	0.7	117	51	-33.6	-37.58	47	opened 1/4 turn,,,,,,
SC2GW29B	SC2GW29B	3/9/2017 15:21	ADJ	58.5	40.9	0.5	1	0.57	118	46	-33.7	-37.58	48	
SC2GW29B	SC2GW29B	4/11/2017 14:30		58.5	41.4	0	1	0.74	117	53	-35	-38.45	48	,,,,,,
SC2GW29B	SC2GW29B	4/11/2017 14:30	ADJ	58.5	41.4	0	1	0.68	117	51	-35.4	-38.45	50	
SC2GW29B	SC2GW29B	5/15/2017 11:30		57.1	37.7	0.1	5.1	0.73	122.2	54.7	-36.7	-39.15	50	Opened Valve 1/2 turn or less: :
SC2GW29B	SC2GW29B	5/15/2017 11:30	ADJ	57.1	37.7	0.1	5.1	0.72	122	54.7	-36.4	-38.72	51	
SC2GW29B	SC2GW29B	6/1/2017 15:09		56.1	41.5	0	2.4	0.84	122	57.9	-40.58	-45.23	51	Opened Valve 1/2 turn or less: :
SC2GW29B	SC2GW29B	6/1/2017 15:09	ADJ	56.1	41.5	0	2.4	0.87	122	59.1	-41.22	-43.96	52	
SC2GW29B	SC2GW29B	7/19/2017 14:51		56.3	43.2	0	0.5	0.7	122.7	53.1	-40.54	-44.43	52	No Change: :
SC2GW29B	SC2GW29B	7/19/2017 14:51	ADJ	56.3	43.2	0	0.5	0.72	122.7	53.7	-40.54	-43.83	52	
SC2GW29B	SC2GW29B	8/9/2017 10:50		56.4	40.3	0.3	3	0.57	121.8	47.9	-40.96	-44.77	52	Opened Valve > 1 turn: :
SC2GW29B	SC2GW29B	8/9/2017 10:50	ADJ	56.4	40.3	0.3	3	0.76	121.8	54.8	-41.93	-43.83	54	
SC2GW29B	SC2GW29B	9/22/2017 11:12		56.8	38.9	0	4.3	0.83	122.4	57.7	-41.22	-44.13	54	Opened Valve 1/2 to 1 turn: :
SC2GW29B	SC2GW29B	9/22/2017 11:12	ADJ	56.8	38.9	0	4.3	0.69	122.2	52.7	-41.22	-43.53	55	
SC2GW29B	SC2GW29B	10/20/2017 8:39		58	41.6	0.3	0.1	0.65	119.5	51	-42.27	-45.23	55	Opened Valve 1/2 turn or less: :
SC2GW29B	SC2GW29B	10/20/2017 8:39	ADJ	58	41.6	0.3	0.1	0.67	119.5	51.7	-42.61	-45.36	56	
SC2GW29B	SC2GW29B	11/16/2017 16:22		58.5	41.3	0.2	0	0.64	114.6	50.6	-43.67	-45.36	56	Opened Valve 1/2 turn or less: :
SC2GW29B	SC2GW29B	11/16/2017 16:22	ADJ	58.5	41.3	0.2	0	0.7	114.6	52.7	-44	-45.7	57	
SC2GW29B	SC2GW29B	12/7/2017 15:15		59.4	39.7	0.3	0.6	0.54	112.6	46.6	-43.33	-45.23	57	Opened Valve > 1 turn: :
SC2GW29B	SC2GW29B	12/7/2017 15:15	ADJ	59.4	39.7	0.3	0.6	0.54	112.5	46.6	-43.58	-45.28	65	
SC2GW36A	SC2GW36A	1/17/2017 10:58		67.6	32	0	0.4	17.94	121	299	-2.2	-38.51	11	,,,,,,
SC2GW36A	SC2GW36A	1/17/2017 10:58	ADJ	67.6	32	0	0.4	9.07	121	211	-2.6	-38.51	12	
SC2GW36A	SC2GW36A	2/14/2017 7:45		58.2	41.7	0	1	0.01	124	7	-3.4	-39.1	12	opened 1/4 turn,,,,,,
SC2GW36A	SC2GW36A	2/14/2017 7:45	ADJ	58.2	41.7	0	1	0.08	124	17	-3.7	-39.1	13	
SC2GW36A	SC2GW36A	3/9/2017 14:03		39.9	34.1	2.2	23.8	-0.28	123	---	-2.6	-40.07	9	closed 1/2 turn,,,,,,
SC2GW36A	SC2GW36A	3/9/2017 14:03	ADJ	39.9	34.1	2.2	23.8	0.02	123	7	-2.4	-40.07	8	
SC2GW36A	SC2GW36A	4/11/2017 12:40		47.4	37.3	0	15.3	-0.26	120	---	-2.3	-41.35	8	,,,,,,
SC2GW36A	SC2GW36A	4/11/2017 12:40	ADJ	47.4	37.3	0	15.3	-0.51	120	---	-2	-41.35	7	
SC2GW36A	SC2GW36A	5/15/2017 10:25		44.3	39.4	0.4	15.9	0.01	126.3	8.1	-1.29	-39.79	7	Closed Valve > 1 turn: :
SC2GW36A	SC2GW36A	5/15/2017 10:25	ADJ	44.3	39.4	0.4	15.9	0.02	126.3	9	-1.25	-39.79	6	
SC2GW36A	SC2GW36A	6/1/2017 10:50		45.1	42	0.1	12.8	0.01	130.5	7.7	-1.53	-46.3	6	Closed Valve 1/2 turn or less: :
SC2GW36A	SC2GW36A	6/1/2017 10:50	ADJ	45.1	42	0.1	12.8	0.01	129.9	6.8	-1.53	-46.3	5	
SC2GW36A	SC2GW36A	7/19/2017 13:59		47.7	44.4	0.1	7.8	0.01	130.8	8	-0.64	-45.96	5	Closed Valve 1/2 turn or less: :
SC2GW36A	SC2GW36A	7/19/2017 13:59	ADJ	47.7	44.4	0.1	7.8	0.01	125.1	6.9	-0.18	-45.57	4	
SC2GW36A	SC2GW36A	8/9/2017 10:03		50.5	49.3	0.2	0	0	112.8	0	-0.14	-46.38	4	No Change: :
SC2GW36A	SC2GW36A	8/9/2017 10:03	ADJ	50.5	49.3	0.2	0	0	113	0	-0.15	-46.38	4	
SC2GW36A	SC2GW36A	9/22/2017 9:56		51.7	44.8	0.3	3.2	0.26	124.9	35.5	-0.03	-47.06	4	
SC2GW36A	SC2GW36A	9/22/2017 9:56	ADJ	51.7	44.8	0.3	3.2	0.25	125.2	35.3	-0.08	-46.43	4	
SC2GW36A	SC2GW36A	9/22/2017 9:57		47.5	51.4	0	1.1	0.02	124	10	-0.16	-46.55	4	No Change: :
SC2GW36A	SC2GW36A	9/22/2017 9:57	ADJ	47.5	51.4	0	1.1	0.02	124.5	9.6	-0.27	-46.68	4	
SC2GW36A	SC2GW36A	10/19/2017 16:29		50.7	48	0	1.3	0.25	129.4	34.8	-0.86	-46.51	4	No Change: :
SC2GW36A	SC2GW36A	10/19/2017 16:29	ADJ	50.7	48	0	1.3	0.24	129.6	34.4	-0.85	-46.72	4	
SC2GW36A	SC2GW36A	11/16/2017 14:54		54.9	40.2	0.2	4.7	0.16	122.9	28.2	-1.11	-48.3	4	No Change: :
SC2GW36A	SC2GW36A	11/16/2017 14:54	ADJ	54.9	40.2	0.2	4.7	0.16	123.4	28.2	-1.11	-48.43	4	
SC2GW36A	SC2GW36A	12/7/2017 14:06		51.8	43	0.2	5	0.05	116.1	15.5	-0.73	-46.64	4	Closed Valve 1/2 turn or less: :
SC2GW36A	SC2GW36A	12/7/2017 14:06	ADJ	51.8	43	0.2	5	0.02	115.7	9	-0.73	-46.64	3	
SC2GW40A	SC2GW40A	1/17/2017 9:42		60	39.9	0	1	18.79	63	303	-8.8	-38.68	10	,,,,,,
SC2GW40A	SC2GW40A	1/17/2017 9:42	ADJ	60	39.9	0	1	11.21	64	233	-9.2	-38.68	11	
SC2GW40A	SC2GW40A	2/13/2017 15:56		47.3	34.7	0.9	17.1	-0.01	65	---	-9.4	-39.41	11	closed 1//4 turn,,,,,,
SC2GW40A	SC2GW40A	2/13/2017 15:56	ADJ	47.3	34.7	0.9	17.1	-0.01	65	---	-9.3	-39.41	10.5	
SC2GW40A	SC2GW40A	3/9/2017 12:41		42	32.6	1.9	23.5	0.12	70	22	-26	-40.46	10	closed 1//4 turn,,,,,,
SC2GW40A	SC2GW40A	3/9/2017 12:41	ADJ	42	32.6	1.9	23.5	-0.21	67	22	-16.6	-40.46	9	
SC2GW40A	SC2GW40A	4/11/2017 9:19		44.5	36	0	19.5	-0.13	70	---	-9.7	-41.5	9	,,,,,,
SC2GW40A	SC2GW40A	4/11/2017 9:19	ADJ	44.5	36	0	19.5	0.07	70	16	-8.2	-41.5	8	
SC2GW40A	SC2GW40A	5/15/2017 9:13		48.7	37.6	0.2	13.5	0.02	76.6	9.6	-7.9	-42.26	8	No Change: :
SC2GW40A	SC2GW40A	5/15/2017 9:13	ADJ	48.7	37.6	0.2	13.5	0.02	76.6	9.6	-7.9	-42.26	8	
SC2GW40A	SC2GW40A	6/1/2017 9:12		48.2	38.2	0	13.6	0.02	79.2	10.2	-9.8	-47.06	8	Closed Valve 1/2 turn or less: :
SC2GW40A	SC2GW40A	6/1/2017 9:12	ADJ	48.2	38.2	0	13.6	0.02	79.2	10.2	-9.8	-47.06	7	
SC2GW40A	SC2GW40A	7/19/2017 11:35		48.8	35.5	0.6	15.1	0.02	86.2	9.9	-8.19	-47.45	7	No Change: :
SC2GW40A	SC2GW40A	7/19/2017 11:35	ADJ	48.8	35.5	0.6	15.1	0.02	86.4	10.1	-8.19	-47.66	7	
SC2GW40A	SC2GW40A	8/9/2017 8:59		48.4	37.4	0.4	13.8	0.02	85.3	10	-9.21	-46.26	7	Closed Valve 1/2 turn or less: :
SC2GW40A	SC2GW40A	8/9/2017 8:59	ADJ	48.4	37.4	0.4	13.8	0.02	85.3	9.2	-7.01	-45.91	6	
SC2GW40A	SC2GW40A	9/22/2017 9:08		55.4	37.5	0	7.1	0	84.7	3.4	-6.08	-47.62	6	Opened Valve 1/2 turn or less: :
SC2GW40A	SC2GW40A	9/22/2017 9:08	ADJ	55.4	37.5	0	7.1	0	84.9	0	-8.78	-47.7	7	
SC2GW40A	SC2GW40A	10/19/2017 15:55		47.3	35.2	0.4	17.1	0.03	83.7	12.6	-10.18	-47.11	7	Closed Valve 1/2 turn or less: :
SC2GW40A	SC2GW40A	10/19/2017 15:55	ADJ	47.3	35.2	0.4	17.1	0.02	83.7	10.1	-6.12	-47.06	6	
SC2GW40A	SC2GW40A	11/16/2017 13:50		57.9	37.7	0	4.4	0.38	67.8	44.8	-4.25	-49.02	6	Opened Valve 1/2 turn or less: :

Seven Mile Creek Landfill

Gas Extraction Report

Well ID	Alias	Date/Time	ADJ	CH4 (%)	CO2 (%)	O2 (%)	Balance (%)	Diff. Press. (in. H2O)	Temp. (deg. F)	Flow (scfm)	Well Pres. (in. H2O)	Header Pres. (in. H2O)	Valve Setting (% Open)	Comments
SC2GW40A	SC2GW40A	11/16/2017 13:50	ADJ	57.9	37.7	0	4.4	0.29	69.8	39	-8.19	-49.19	7	
SC2GW40A	SC2GW40A	12/7/2017 13:29		48	33.8	0.8	17.4	0.03	70.2	11.8	-9.46	-47.32	7	Closed Valve 1/2 turn or less: :
SC2GW40A	SC2GW40A	12/7/2017 13:29	ADJ	48	33.8	0.8	17.4	0.02	69.4	10.7	-7.43	-46.81	6	
SC2GW43A	SC2GW43A	1/17/2017 9:57		53.7	32.6	0	13.7	11.24	81	234	-2.3	-38.53	10	,,,,,,
SC2GW43A	SC2GW43A	1/17/2017 9:57	ADJ	53.7	32.6	0	13.7	11.26	81	234	-2.2	-38.53	10	
SC2GW43A	SC2GW43A	2/13/2017 16:09		40.7	29.4	0.8	29.1	0.01	85	6	-2	-38.98	10	closed 1//4 turn,,,,,,
SC2GW43A	SC2GW43A	2/13/2017 16:09	ADJ	40.7	29.4	0.8	29.1	-0.01	84	6	-1.9	-38.98	9.5	
SC2GW43A	SC2GW43A	3/9/2017 12:55		33.6	28.8	0.5	37.1	-0.22	80	---	-1.7	-39.97	9	closed 1/2 turn,,,,,,
SC2GW43A	SC2GW43A	3/9/2017 12:55	ADJ	33.6	28.8	0.5	37.1	0.05	79	14	-1.3	-39.97	8	
SC2GW43A	SC2GW43A	4/11/2017 9:35		42.2	32.5	0	25.3	-0.15	72	---	-0.8	-41.44	8	,,,,,,
SC2GW43A	SC2GW43A	4/11/2017 9:35	ADJ	42.2	32.5	0	25.3	-0.03	70	---	-0.5	-41.44	7	
SC2GW43A	SC2GW43A	5/15/2017 9:26		49.4	35.1	0.3	15.2	0.02	79.7	8.9	-0.41	-41.96	7	No Change: :
SC2GW43A	SC2GW43A	5/15/2017 9:26	ADJ	49.4	35.1	0.3	15.2	0.01	80.1	8.7	-0.4	-41.83	7	
SC2GW43A	SC2GW43A	6/1/2017 9:24		50.7	36.7	0.1	12.5	0.01	84	6.9	-0.42	-46.51	7	No Change: :
SC2GW43A	SC2GW43A	6/1/2017 9:24	ADJ	50.7	36.7	0.1	12.5	0.01	84	6.1	-0.42	-46.72	7	
SC2GW43A	SC2GW43A	7/19/2017 11:48		58.6	38.5	0	2.9	0.02	90.5	8.8	-0.23	-47.32	7	Opened Valve 1/2 to 1 turn: :
SC2GW43A	SC2GW43A	7/19/2017 11:48	ADJ	58.6	38.5	0	2.9	0.09	91	21.6	-2.95	-47.45	8	
SC2GW43A	SC2GW43A	8/9/2017 9:10		29.8	29.2	0.7	40.3	0.08	94.8	20.4	-4.37	-46.68	8	Closed Valve 1/2 to 1 turn: :
SC2GW43A	SC2GW43A	8/9/2017 9:10	ADJ	29.8	29.2	0.7	40.3	0.01	94.5	8	-1.33	-46.26	7	
SC2GW43A	SC2GW43A	9/22/2017 9:33		60	37.3	0	2.7	0.24	86	35.6	-0.33	-47.45	7	Opened Valve 1/2 turn or less: :
SC2GW43A	SC2GW43A	9/22/2017 9:33	ADJ	60	37.3	0	2.7	0.08	89.6	20.9	-2.81	-47.57	9	
SC2GW43A	SC2GW43A	10/19/2017 16:09		29.3	27.6	1.1	42	0.08	95	20.4	-3.27	-46.81	6	Closed Valve 1/2 to 1 turn: :
SC2GW43A	SC2GW43A	10/19/2017 16:09	ADJ	29.3	27.6	1.1	42	0.02	94.3	8.9	-1.43	-46.94	5	
SC2GW43A	SC2GW43A	11/16/2017 14:05		54.3	28.8	0.2	16.7	0.15	74.5	28.1	-0.78	-48.43	5	No Change: :
SC2GW43A	SC2GW43A	11/16/2017 14:05	ADJ	54.3	28.8	0.2	16.7	0.15	75	28.4	-0.78	-48.43	5	
SC2GW43A	SC2GW43A	12/7/2017 13:44		54.4	33.8	0.2	11.6	0.01	42.4	8.2	-0.12	-0.43	5	No Change: :
SC2GW43A	SC2GW43A	12/7/2017 13:44	ADJ	54.4	33.8	0.2	11.6	0.01	42.4	7.1	-0.12	-0.43	5	
SC2GW61A	SC2GW61A	1/17/2017 13:35		60.1	39.3	0.5	1	17.18	88	277	-31.5	-40.44	19	,,,,,,
SC2GW61A	SC2GW61A	1/17/2017 13:35	ADJ	60.1	39.3	0.5	1	11.47	89	225	-32.4	-40.44	21	
SC2GW61A	SC2GW61A	2/14/2017 8:45		59.8	38.1	0.7	1.4	0.04	90	13	-34.6	-43.37	21	opened 1/4 turn,,,,,,
SC2GW61A	SC2GW61A	2/14/2017 8:45	ADJ	59.8	38.1	0.7	1.4	0	90	4	-34.7	-43.37	21.5	
SC2GW61A	SC2GW61A	3/9/2017 16:00		60.8	38	0.9	0.3	-0.36	92	---	-35.1	-44.33	1	opened 1/4 turn,,,,,,
SC2GW61A	SC2GW61A	3/9/2017 16:00	ADJ	60.8	38	0.9	0.3	0.12	91	21	-35.4	-44.33	2	
SC2GW61A	SC2GW61A	4/11/2017 13:48		60.5	39.3	0	0.2	0.28	72	33	-35.5	-44.62	2	,,,,,,
SC2GW61A	SC2GW61A	4/11/2017 13:48	ADJ	60.5	39.3	0	0.2	0.13	72	22	-37.1	-44.62	25	
SC2GW61A	SC2GW61A	5/15/2017 11:17		56.9	37.1	0.3	5.7	0.17	96.3	26.8	-38.18	-44.89	25	Opened Valve > 1 turn: :
SC2GW61A	SC2GW61A	5/15/2017 11:17	ADJ	56.9	37.1	0.3	5.7	0.19	96.3	28.4	-39.53	-45.19	27	
SC2GW61A	SC2GW61A	6/2/2017 7:51		57.7	37.9	0.1	4.3	0.14	96.3	23.6	-44.34	-51.02	27	Opened Valve > 1 turn: :
SC2GW61A	SC2GW61A	6/2/2017 7:51	ADJ	57.7	37.9	0.1	4.3	0.22	96.3	30.2	-46.33	-50.94	28	
SC2GW61A	SC2GW61A	7/19/2017 15:42		49.6	44.4	0	6	0.1	100.2	22.2	-7.09	-46	28	No Change: :
SC2GW61A	SC2GW61A	7/19/2017 15:42	ADJ	49.6	44.4	0	6	0.1	100.2	22.6	-7.09	-45.7	28	
SC2GW61A	SC2GW61A	7/19/2017 16:47		56.6	39.1	0.5	3.8	0.1	96.3	20.2	-45.86	-49.11	28	Opened Valve > 1 turn: :
SC2GW61A	SC2GW61A	7/19/2017 16:47	ADJ	56.6	39.1	0.5	3.8	0.11	96.1	21.5	-45.95	-48.6	29	
SC2GW61A	SC2GW61A	8/9/2017 11:31		56	39.9	0.5	3.6	0.09	94.3	19.5	-47.09	-49.87	29	Opened Valve > 1 turn: :
SC2GW61A	SC2GW61A	8/9/2017 11:31	ADJ	56	39.9	0.5	3.6	0.12	94.5	21.6	-48.4	-49.4	31	
SC2GW61A	SC2GW61A	9/22/2017 10:56		58.7	35	0.7	5.6	0.4	96.4	40.2	-47.97	-48.72	31	Opened Valve > 1 turn: :
SC2GW61A	SC2GW61A	9/22/2017 10:56	ADJ	58.7	35	0.7	5.6	0.43	96.4	41.5	-48.1	-48.77	33	
SC2GW61A	SC2GW61A	10/20/2017 12:55		56.6	40.9	0.9	1.6	0.09	98.6	19.4	-48.69	-49.36	33	Opened Valve 1/2 to 1 turn: :
SC2GW61A	SC2GW61A	10/20/2017 12:55	ADJ	56.6	40.9	0.9	1.6	0.14	98.8	23.3	-48.69	-49.36	34	
SC2GW61A	SC2GW61A	11/17/2017 9:37		59.6	39.4	0.2	0.8	0.25	91.9	31.8	-48.99	-50.17	34	Opened Valve > 1 turn: :
SC2GW61A	SC2GW61A	11/17/2017 9:37	ADJ	59.6	39.4	0.2	0.8	0.23	91.8	30.8	-49.03	-50.17	36	
SC2GW61A	SC2GW61A	12/7/2017 15:00		60.7	33.5	0.7	5.1	0.03	93	10.4	-50	-50.04	100	Valve completely open: :
SC2GW61A	SC2GW61A	12/7/2017 15:00	ADJ	60.7	33.5	0.7	5.1	0	92.5	3.1	-49.66	-50.3	100	
SE2GW24A	SEC2GW24A	1/17/2017 11:35		59.1	39.8	0.9	0.2	19.17	105	299	-3.9	-43.28	15	,,,,,,
SE2GW24A	SEC2GW24A	1/17/2017 11:35	ADJ	59.1	39.8	0.9	0.2	11.26	104	228	-4.2	-43.28	17	
SE2GW24A	SEC2GW24A	2/14/2017 8:30		57.7	42.2	0	1	-0.51	110	---	0.5	-44.69	17	opened 1/4 turn,,,,,,
SE2GW24A	SEC2GW24A	2/14/2017 8:30	ADJ	57.7	42.2	0	1	0	110	---	-0.3	-44.69	18	
SE2GW24A	SEC2GW24A	3/9/2017 14:53		56.9	42.8	0.1	0.2	-0.41	111	---	-0.1	-45.56	19	opened 1/2 turn,,,,,,
SE2GW24A	SEC2GW24A	3/9/2017 14:53	ADJ	56.9	42.8	0.1	0.2	-0.28	113	---	-0.3	-45.56	20	
SE2GW24A	SEC2GW24A	4/11/2017 13:29		50.5	35	3.4	11.1	0.31	100	35	-20.1	-46.45	20	,,,,,,
SE2GW24A	SEC2GW24A	4/11/2017 13:29	ADJ	50.5	35	3.4	11.1	0.17	100	26	-20.2	-46.45	20	
SE2GW24A	SEC2GW24A	5/15/2017 11:02		47.5	34.8	3.8	13.9	0.16	99.5	27.3	-17.82	-45.91	20	Closed Valve 1/2 turn or less: :
SE2GW24A	SEC2GW24A	5/15/2017 11:02	ADJ	47.5	34.8	3.8	13.9	0.16	99.5	27.3	-17.82	-45.91	19	
SE2GW24A	SEC2GW24A	6/1/2017 11:18		49.1	36.1	3.5	11.3	0.13	104.5	25.3	-12.5	-51.32	19	No Change: :
SE2GW24A	SEC2GW24A	6/1/2017 11:18	ADJ	49.1	36.1	3.5	11.3	0.07	104.5	17.9	-12.5	-50.55	19	
SE2GW24A	SEC2GW24A	7/19/2017 14:25		50.3	38.2	2.4	9.1	0	109.4	0	-6.88	-50.55	19	No Change: :
SE2GW24A	SEC2GW24A	7/19/2017 14:25	ADJ	50.3	38.2	2.4	9.1	0.07	109.6	18.1	-6.93	-50.34	19	
SE2GW24A	SEC2GW24A	8/9/2017 10:28		53	39.3	2.1	5.6	0	110.3	0	-5.15	-51.28	19	No Change: :
SE2GW24A	SEC2GW24A	8/9/2017 10:28	ADJ	53	39.3	2.1	5.6	0	110.1	0	-5.15	-50.55	19	
SE2GW24A	SEC2GW24A	9/22/2017 10:42		54.7	38	1.1	6.2	0.31	113.4	39.5	-2.63	-49.4	19	Opened Valve 1/2 turn or less: :
SE2GW24A	SEC2GW24A	9/22/2017 10:42	ADJ	54.7	38	1.1	6.2	0.18	113.7	29.8	-4.48	-50.6	20	
SE2GW24A	SEC2GW24A	10/20/2017 10:19		52.7	38.3	2.7	6.3	0.12	110.3	24	-5.79	-51.02	20	No Change: :
SE2GW24A	SEC2GW24A	10/20/2017 10:19	ADJ	52.7	38.3	2.7	6.3	0.11	110.3	22.9	-5.79	-51.02	20	
SE2GW24A	SEC2GW24A	11/16/2017 16:02		57.4	42.3	0.3	0	0.09	115	20.9	-2.39	-52.34	20	Opened Valve 1/2 turn or less: :
SE2GW24A	SEC2GW24A	11/16/2017 16:02	ADJ	57.4	42.3	0.3	0	1.04	116.1	71.3	-4.15	-51.62	21	
SE2GW24A	SEC2GW24A	12/7/2017 14:40		46.6	33	4.8	15.6	0.42	103.6	43.2	-28.89	-46.81	21	Closed Valve 1/2 to 1 turn: :
SE2GW24A	SEC2GW24A	12/7/2017 14:40	ADJ	46.6	33	4.8	15.6	0.22	103.1	31.1	-26.44	-47.91	19	
SE2GW24A	SEC2GW24A	12/21/2017 14:04		47.1	34	3.7	15.2	0.33	109.2	39.1	-15.29	-52.3	21	Closed Valve 1/2 turn or less: :
SE2GW24A	SEC2GW24A	12/21/2017 14:04	ADJ	47.1	34	3.7	15.2	0	108.1	0	-12.84	-51.49	20	
SE2GW25A	SEC2GW25A	1/17/2017 11:28		59.2	40.1	0.5	0.2	18.2	112	277	-37.8	-38.53	91	,,,,,,
SE2GW25A	SEC2GW25A	1/17/2017 11:28	ADJ	59.2	40.1	0.5	0.2	11.69	111	221	-38	-38.53	95	
SE2GW25A	SEC2GW25A	2/14/2017 8:17		54.5	38.8	0.9	5.8	0.28	110	32	-38.9	-39.82	95	opened 1/4 turn,,,,,,
SE2GW25A	SEC2GW25A	2/14/2017 8:17	ADJ	54.5	38.8	0.9	5.8	0.43	110	40	-39.2	-39.82	96	
SE2GW25A	SEC2GW25A	3/9/2017 14:47		54.2	38.5	1.3	6	0.28	110	32	-39.9	-40.46	93	opened 1/4 turn,,,,,,
SE2GW25A	SEC2GW25A	3/9/2017 14:47	ADJ	54.2	38.5	1.3	6	0.4	110	38	-40.1	-40.46	94	
SE2GW25A	SEC2GW25A	4/11/2017 13:22		56.5	39.6	0.7	3.2	0.37	109	37	-41.1	-41.76	94	,,,,,,
SE2GW25A	SEC2GW25A	4/11/2017 13:22	ADJ	56.5	39.6	0.7	3.2	0.47	109	42	-41.1	-41.76	95	
SE2GW25A	SEC2GW25A	5/15/2017 10:55		53.5	38	1.2	7.3	0.42	111.4	41.6	-41.22	-41.49	95	No Change: :
SE2GW25A	SEC2GW25A	5/15/2017 10:55	ADJ	53.5	38	1.2	7.3	0.42	111.4	41.6	-41.01	-41.49	95	
SE2GW25A	SEC2GW25A	6/1/2017 11:10		50.9	38.6	1.2	9.3	0.54	112.3	46.3	-45.95	-46.81	95	No Change: :
SE2GW25A	SEC2GW25A	6/1/2017 11:10	ADJ	50.9	38.6	1.2	9.3	0.6	112.3	48.7	-45.95	-46.85	95	
SE2GW25A	SEC2GW25A	7/19/2017 14:21		51.9	41.6	0.6	5.9	0.35	114.1	37.3	-45.57	-46.13	95	
SE2GW25A	SEC2GW25A	7/19/2017 14:21	ADJ	51.9	41.6	0.6	5.9	0.33	114.1	35.9	-45.61	-46.21	95	
SE2GW25A	SEC2GW25A	8/9/2017 10:23		54.3	42.2	0.8	2.7	0.38	113.4	38.9	-46.11	-45.62	95	No Change: :
SE2GW25A	SEC2GW25A	8/9/2017 10:23	ADJ	54.3	42.2	0.8	2.7	0.31	113.2	35	-46.03	-45.62	95	
SE2GW25A	SEC2GW25A	9/22/2017 10:36		51.7	33	0.8	14.5	2.68	113.7	103.5	-44.97	-45.83	95	No Change: :
SE2GW25A	SEC2GW25A	9/22/2017 10:36	ADJ	51.7	33	0.8	14.5	2.67	113.7	103.2	-44.97	-45.83	95	
SE2GW25A	SEC2GW25A	10/20/2017 10:09		51	40.7	1.7	6.6	0.81	113.4	56.9	-45.31	-46.3	95	Opened Valve 1/2 turn or less,Valve completely open: :
SE2GW25A	SEC2GW25A	10/20/2017 10:09	ADJ	51	40.7	1.7	6.6	0.62	113.4	49.7	-44.97	-46.3	96	
SE2GW25A	SEC2GW25A	10/20/2017 10:12		50.6	41	1.4	7	1.32	113.5	72.6	-45.02	-46.3	95	Closed Valve > 1 turn: :
SE2GW25A	SEC2GW25A	10/20/2017 10:12	ADJ	50.6	41	1.4	7	1.57	113.7	79	-45.52	-46.51	93	
SE2GW25A	SEC2GW25A	11/16/2017 15:56		54.8	39.5	1.2	4.5	0.46	113.5	42.4	-45.99	-47.66	93	No Change: :
SE2GW25A	SEC2GW25A	11/16/2017 15:56	ADJ	54.8	39.5	1.2	4.5	0.43	113.7	41.3	-45.99	-47.66	93	
SE2GW25A	SEC2GW25A	12/7/2017 14:35		54.8	38.4	0.9	5.9	0.66	113.2	51.4	-45.02	-46.34	93	No Change: :
SE2GW25A	SEC2GW25A	12/7/2017 14:35	ADJ	54.8	38.4	0.9	5.9	0.68	113.2	52	-44.93	-46.34	93	

Seven Mile Creek Landfill

Gas Extraction Report

Well ID	Alias	Date/Time	ADJ	CH4 (%)	CO2 (%)	O2 (%)	Balance (%)	Diff. Press. (in. H2O)	Temp. (deg. F)	Flow (scfm)	Well Pres. (in. H2O)	Header Pres. (in. H2O)	Valve Setting (% Open)	Comments
SEC2GW01	SEC2GW01	1/16/2017 15:52		51.8	34.4	0	13.8	-5.96	75	---	-41.9	-49.63	52	,,,,,,,
SEC2GW01	SEC2GW01	1/16/2017 15:52	ADJ	51.8	34.4	0	13.8	-5.88	75	---	-42.1	-49.63	52	
SEC2GW01	SEC2GW01	2/13/2017 14:51		49.5	34.1	0	16.4	-0.11	75	---	-38.9	-46.95	52	no change,,,,,,,
SEC2GW01	SEC2GW01	2/13/2017 14:51	ADJ	49.5	34.1	0	16.4	-0.04	75	---	-39	-46.95	52	
SEC2GW01	SEC2GW01	3/9/2017 10:09		55.4	34.8	0.8	9	-0.04	74	---	-40.8	-48.1	53	opened 1/4 turn,,,,,,,
SEC2GW01	SEC2GW01	3/9/2017 10:09	ADJ	55.4	34.8	0.8	9	-0.01	74	---	-41.3	-48.1	54	
SEC2GW01	SEC2GW01	4/11/2017 6:52		52.3	35.1	0	12.6	-0.05	66	---	-42.2	-48.64	54	,,,,,,,
SEC2GW01	SEC2GW01	4/11/2017 6:52	ADJ	52.3	35.1	0	12.6	0.22	66	29	-42.1	-48.64	54	
SEC2GW01	SEC2GW01	5/15/2017 8:06		52.2	34.9	0.2	12.7	0.04	74.5	12.8	-42.91	-49.32	54	No Change: :
SEC2GW01	SEC2GW01	5/15/2017 8:06	ADJ	52.2	34.9	0.2	12.7	0	74.5	0	-42.91	-49.28	54	
SEC2GW01	SEC2GW01	6/1/2017 8:10		46.1	33	0	20.9	0.38	75.4	39.9	-44.59	-51.87	54	Closed Valve > 1 turn: :
SEC2GW01	SEC2GW01	6/1/2017 8:10	ADJ	46.1	33	0	20.9	0.01	75.9	6.4	-30.41	-51.74	53	
SEC2GW01	SEC2GW01	7/19/2017 10:19		59	34.4	0.2	6.4	0.02	77.9	10.7	-14.19	-54.38	53	Opened Valve 1/2 to 1 turn: :
SEC2GW01	SEC2GW01	7/19/2017 10:19	ADJ	59	34.4	0.2	6.4	0.04	78.1	14.5	-19.17	-55.19	55	
SEC2GW01	SEC2GW01	8/9/2017 7:56		51.2	36.2	0.4	12.2	0.02	76.1	8.9	-23.1	-53.74	55	No Change: :
SEC2GW01	SEC2GW01	8/9/2017 7:56	ADJ	51.2	36.2	0.4	12.2	0.01	76.1	6.6	-23.1	-53.19	55	
SEC2GW01	SEC2GW01	9/22/2017 7:38		53.9	35.8	0.1	10.2	0.08	76.6	19.2	-26.98	-54	55	No Change: :
SEC2GW01	SEC2GW01	9/22/2017 7:38	ADJ	53.9	35.8	0.1	10.2	0.22	76.6	32	-26.9	-53.87	55	
SEC2GW01	SEC2GW01	10/19/2017 13:33		48.7	35.1	0.2	16	0.03	76.3	12.3	-27.32	-53.49	55	Closed Valve 1/2 turn or less: :
SEC2GW01	SEC2GW01	10/19/2017 13:33	ADJ	48.7	35.1	0.2	16	0.02	76.3	9.8	-25.63	-53.32	54	
SEC2GW01	SEC2GW01	11/16/2017 9:34		54.2	32.4	0.4	13	0.12	72.7	23.5	-25.72	-54.81	54	No Change: :
SEC2GW01	SEC2GW01	11/16/2017 9:34	ADJ	54.2	32.4	0.4	13	0.16	72.7	27	-25.72	-55.23	54	
SEC2GW01	SEC2GW01	12/7/2017 11:12		51.6	32.9	0.4	15.1	0.03	72.5	12.3	-22.97	-55.79	54	Closed Valve 1/2 turn or less: :
SEC2GW01	SEC2GW01	12/7/2017 11:12	ADJ	51.6	32.9	0.4	15.1	0.02	72.5	10.6	-22.09	-54.98	53	
SEC2GW02	SEC2GW02	1/16/2017 15:57		56.9	36.9	0	6.2	-5.27	65	---	-48.6	-49.3	83	,,,,,,,
SEC2GW02	SEC2GW02	1/16/2017 15:57	ADJ	56.9	36.9	0	6.2	-5.86	66	---	-48.9	-49.3	84	
SEC2GW02	SEC2GW02	2/13/2017 15:00		55.3	36.6	0.2	7.9	0.01	71	14	-46.4	-46.19	84	opened 1/4 turn,,,,,,,
SEC2GW02	SEC2GW02	2/13/2017 15:00	ADJ	55.3	36.6	0.2	7.9	0.01	69	15	-46.2	-46.19	85	
SEC2GW02	SEC2GW02	3/9/2017 10:16		60.3	38.2	0.3	1.2	0.05	60	39	-47.6	-47.84	87	opened 1/2 turn,,,,,,,
SEC2GW02	SEC2GW02	3/9/2017 10:16	ADJ	60.3	38.2	0.3	1.2	0.05	57	42	-47	-47.84	88	
SEC2GW02	SEC2GW02	4/11/2017 6:57		58.3	38	0	3.7	-0.05	40	---	-48.2	-48.65	88	,,,,,,,
SEC2GW02	SEC2GW02	4/11/2017 6:57	ADJ	58.3	38	0	3.7	-0.01	40	---	-48.5	-48.65	90	
SEC2GW02	SEC2GW02	5/15/2017 8:12		54.6	37	0.1	8.3	0.02	81.7	17.7	-49.37	-49.4	90	Opened Valve 1/2 turn or less: :
SEC2GW02	SEC2GW02	5/15/2017 8:12	ADJ	54.6	37	0.1	8.3	0.02	81.9	20.2	-49.66	-49.28	91	
SEC2GW02	SEC2GW02	6/1/2017 8:13		53.9	36.4	0.1	9.6	0.02	83.1	19.8	-51.9	-52.09	91	No Change: :
SEC2GW02	SEC2GW02	6/1/2017 8:13	ADJ	53.9	36.4	0.1	9.6	0.01	83.3	12.3	-51.44	-52	91	
SEC2GW02	SEC2GW02	7/19/2017 10:24		52.3	36	0.3	11.4	0.03	84.4	24.4	-53.04	-53.74	91	No Change: :
SEC2GW02	SEC2GW02	7/19/2017 10:24	ADJ	52.3	36	0.3	11.4	0.03	84.6	23.4	-53.04	-53.4	91	
SEC2GW02	SEC2GW02	8/9/2017 8:00		52.9	36.2	0.5	10.4	0.03	81.9	23.4	-52.45	-52.77	91	No Change: :
SEC2GW02	SEC2GW02	8/9/2017 8:00	ADJ	52.9	36.2	0.5	10.4	0.03	81.9	24	-52.45	-52.85	91	
SEC2GW02	SEC2GW02	9/22/2017 7:42		50.2	32.8	0	17	0.02	81.9	18.6	-53.04	-53.45	91	No Change: :
SEC2GW02	SEC2GW02	9/22/2017 7:42	ADJ	50.2	32.8	0	17	0.05	81.9	30	-53.38	-53.45	91	
SEC2GW02	SEC2GW02	10/19/2017 13:38		48.6	34.9	0.5	16	0	82.4	0	-52.45	-52.43	91	Closed Valve 1/2 turn or less: :
SEC2GW02	SEC2GW02	10/19/2017 13:38	ADJ	48.6	34.9	0.5	16	0	82.6	0	-52.45	-52.43	90	
SEC2GW02	SEC2GW02	11/16/2017 9:40		54.3	33.4	0.3	12	0.18	76.6	58.6	-54.1	-54.77	90	No Change: :
SEC2GW02	SEC2GW02	11/16/2017 9:40	ADJ	54.3	33.4	0.3	12	0.18	76.6	57.9	-54.1	-54.77	90	
SEC2GW02	SEC2GW02	12/7/2017 11:16		51.8	33.6	0.4	14.2	0.01	74.7	10.4	-55.07	-54.64	90	Closed Valve 1/2 turn or less: :
SEC2GW02	SEC2GW02	12/7/2017 11:16	ADJ	51.8	33.6	0.4	14.2	0.03	75	23.9	-54.73	-54.77	88	
SEC2GW04	SEC2GW04	1/16/2017 16:07		58.2	41.5	0.1	0.2	-1.18	49	---	-46.3	-46.27	100	,,,,,,,
SEC2GW04	SEC2GW04	1/16/2017 16:07	ADJ	58.2	41.5	0.1	0.2	-5.87	50	---	-45.9	-46.27	100	
SEC2GW04	SEC2GW04	2/13/2017 15:08		58.5	40.9	0.4	0.2	-0.02	58	---	-43.4	-43.8	100	no change,opened 1/4 turn,,,,,,
SEC2GW04	SEC2GW04	2/13/2017 15:08	ADJ	58.5	40.9	0.4	0.2	-0.02	57	---	-43.8	-43.8	100	
SEC2GW04	SEC2GW04	3/9/2017 10:28		57.7	41.6	0.6	1	0.02	50	29	-44.9	-44.64	100	no change,,,,,,,
SEC2GW04	SEC2GW04	3/9/2017 10:28	ADJ	57.7	41.6	0.6	1	0.02	48	26	-44.9	-44.64	100	
SEC2GW04	SEC2GW04	4/11/2017 7:22		57.9	42	0	1	-0.04	38	---	-45.1	-45.51	100	,,,,,,,
SEC2GW04	SEC2GW04	4/11/2017 7:22	ADJ	57.9	42	0	1	-0.04	38	---	-45.2	-45.51	100	
SEC2GW04	SEC2GW04	5/15/2017 8:23		58.3	41.2	0.1	0.4	0.02	73	17.3	-46.03	-45.91	100	Valve completely open: :
SEC2GW04	SEC2GW04	5/15/2017 8:23	ADJ	58.3	41.2	0.1	0.4	0.02	73	17.5	-46.62	-46.26	100	
SEC2GW04	SEC2GW04	6/1/2017 8:24		58.2	41.7	0.1	0	0	76.1	5.9	-46.33	-46.64	100	No Change: :
SEC2GW04	SEC2GW04	6/1/2017 8:24	ADJ	58.2	41.7	0.1	0	0.01	76.3	12	-46.62	-46.38	100	
SEC2GW04	SEC2GW04	7/19/2017 10:31		56.6	39.9	0.4	3.1	0.01	82	14	-50.34	-50.68	100	Valve completely open: :
SEC2GW04	SEC2GW04	7/19/2017 10:31	ADJ	56.6	39.9	0.4	3.1	0.01	82.2	16.5	-50.21	-50.26	100	
SEC2GW04	SEC2GW04	8/9/2017 8:09		57.8	41.9	0.3	0	0	78.4	7.7	-49.11	-48.94	100	Valve completely open: :
SEC2GW04	SEC2GW04	8/9/2017 8:09	ADJ	57.8	41.9	0.3	0	0	78.1	8.2	-49.41	-49.7	100	
SEC2GW04	SEC2GW04	9/22/2017 7:52		58	34.4	0.8	6.8	0.04	77.9	28.3	-50.68	-50.38	100	Valve completely open: :
SEC2GW04	SEC2GW04	9/22/2017 7:52	ADJ	58	34.4	0.8	6.8	0.05	77.5	29.8	-50.68	-50.38	100	
SEC2GW04	SEC2GW04	10/19/2017 13:54		56.4	43.4	0.2	0	0.05	77	32.2	-50.13	-49.74	100	Valve completely open: :
SEC2GW04	SEC2GW04	10/19/2017 13:54	ADJ	56.4	43.4	0.2	0	0.1	73	44.5	-49.96	-49.36	100	
SEC2GW04	SEC2GW04	11/16/2017 9:50		59.7	40	0.3	0	0.15	54.7	54.9	-52.07	-52.17	100	Valve completely open: :
SEC2GW04	SEC2GW04	11/16/2017 9:50	ADJ	59.7	40	0.3	0	0.15	55.8	54.4	-51.98	-51.91	100	
SEC2GW04	SEC2GW04	12/7/2017 11:32		58.8	40.5	0.3	0.4	0.01	43.9	16.3	-51.65	-42.17	100	Valve completely open: :
SEC2GW04	SEC2GW04	12/7/2017 11:32	ADJ	58.8	40.5	0.3	0.4	0.01	43.5	13.3	-51.77	-46	100	
SEC2GW08	SEC2GW08	1/17/2017 9:19		63.8	31.6	1.3	3.3	16.14	43	284	-39.1	-39.6	40	,,,,,,,
SEC2GW08	SEC2GW08	1/17/2017 9:19	ADJ	63.8	31.6	1.3	3.3	11.31	43	237	-39.5	-39.6	42	
SEC2GW08	SEC2GW08	2/13/2017 15:34		61.7	32.5	0.3	5.5	-0.01	53	---	-40.1	-40.26	45	opened 1/2 turn,,,,,,,
SEC2GW08	SEC2GW08	2/13/2017 15:34	ADJ	61.7	32.5	0.3	5.5	-0.01	53	---	-40.2	-40.26	45	
SEC2GW08	SEC2GW08	3/9/2017 11:13		62	32	1.3	4.7	0.01	43	7	-41.5	-41.3	46	opened 1/2 turn,,,,,,,
SEC2GW08	SEC2GW08	3/9/2017 11:13	ADJ	62	32	1.3	4.7	0.01	43	7	-41.6	-41.3	47	
SEC2GW08	SEC2GW08	4/11/2017 8:55		65.5	34.2	0.2	1	-0.06	44	---	-42.6	-42.53	47	,,,,,,,
SEC2GW08	SEC2GW08	4/11/2017 8:55	ADJ	65.5	34.2	0.2	1	-0.03	44	---	-42.5	-42.53	49	
SEC2GW08	SEC2GW08	5/15/2017 8:55		58.9	31	1.9	8.2	0	64.2	2.2	-43.24	-42.85	49	Opened Valve > 1 turn: :
SEC2GW08	SEC2GW08	5/15/2017 8:55	ADJ	58.9	31	1.9	8.2	0.01	64	6.1	-42.91	-42.85	52	
SEC2GW08	SEC2GW08	6/1/2017 8:51		60.4	33.1	1.1	5.4	0.01	63.3	7.6	-47.3	-47.53	52	Opened Valve > 1 turn: :
SEC2GW08	SEC2GW08	6/1/2017 8:51	ADJ	60.4	33.1	1.1	5.4	0.01	63.3	6.8	-47.3	-47.66	56	
SEC2GW08	SEC2GW08	7/19/2017 11:18		60.1	32.4	1.8	5.7	0.01	81.5	5.5	-47.97	-48.09	56	Opened Valve > 1 turn: :
SEC2GW08	SEC2GW08	7/19/2017 11:18	ADJ	60.1	32.4	1.8	5.7	0.01	81.5	5	-48.27	-48.04	58	
SEC2GW08	SEC2GW08	8/9/2017 8:36		59.4	31.8	1.8	7	0.01	72	6.2	-47.04	-47.19	58	Opened Valve > 1 turn: :
SEC2GW08	SEC2GW08	8/9/2017 8:36	ADJ	59.4	31.8	1.8	7	0.02	71.8	8.8	-47.09	-47.11	59	
SEC2GW08	SEC2GW08	9/22/2017 8:42		62.9	31.8	1	4.3	0.01	74.1	7.1	-48.35	-48.77	99	Opened Valve > 1 turn: :
SEC2GW08	SEC2GW08	9/22/2017 8:42	ADJ	62.9	31.8	1	4.3	0.02	74.1	7.9	-48.35	-48.68	100	
SEC2GW08	SEC2GW08	9/22/2017 8:44		61.2	32	0.9	5.9	0	74.1	0	-48.31	-48.68	100	Valve completely open: :
SEC2GW08	SEC2GW08	9/22/2017 8:44	ADJ	61.2	32	0.9	5.9	0.01	74.1	5.4	-48.31	-48.68	100	
SEC2GW08	SEC2GW08	10/19/2017 15:21		60	33.1	1.6	5.3	0.02	76.5	8.3	-47.34	-47.45	100	Valve completely open: :
SEC2GW08	SEC2GW08	10/19/2017 15:21	ADJ	60	33.1	1.6	5.3	0.02	76.5	9	-47.51	-47.53	100	
SEC2GW08	SEC2GW08	11/16/2017 13:03		60.8	31.6	1.4	6.2	0.16	49.5	26.1	-49.03	-49.02	100	Valve completely open: :
SEC2GW08	SEC2GW08	11/16/2017 13:03	ADJ	60.8	31.6	1.4	6.2	0.15	49.5	25.8	-49.03	-49.02	100	
SEC2GW08	SEC2GW08	12/7/2017 13:02		60.2	30.4	1.1	8.3	0.01	33.1	7.8	-47.3	0	100	Valve completely open: :
SEC2GW08	SEC2GW08	12/7/2017 13:02	ADJ	60.2	30.4	1.1	8.3	0.01	33.1	7.6	-47.13	0	100	
SEC2GW13	SEC2GW13	1/17/2017 10:21		40.2	33.5	0	26.3	19.21	52	303	-7.1	-36.64	0.5	,,,,,,,
SEC2GW13	SEC2GW13	1/17/2017 10:21	ADJ	40.2	33.5	0	26.3	11.38	51	232	-7.1	-36.64	0.5	
SEC2GW13	SEC2GW13	2/13/2017 16:31		33.7	27.6	1.8	36.9	-0.12	59	---	-7.1	-37.8	0.5	no change,,,,,,,
SEC2GW13	SEC2GW13	2/13/2017 16:31	ADJ	33.7	27.6	1.8	36.9	-0.14	59	---	-7.1	-37.8	0.5	
SEC2GW13	SEC2GW13	3/9/2017 13:21		26.5	24.8	2.7	46	-0.36	65	---	-12.7	-38.47	5	no change,,,,,,,
SEC2GW13	SEC2GW13	3/9/2017 13:21	ADJ	26.5	24.8	2.7	46	0.04	62	13	-11.7	-38.47	5	
SEC2GW13	SEC2GW13	4/11/2017 10:01		49.5	50.3	0	0.2	0.03	58	10	-8.7	-39.49	5	,,,,,,,
SEC2GW13	SEC2GW13	4/11/2017 10:01	ADJ	49.5	50.3	0	0.2	0.02	58	9	-8.8	-39.49	5	

Seven Mile Creek Landfill

Gas Extraction Report

Well ID	Alias	Date/Time	ADJ	CH4 (%)	CO2 (%)	O2 (%)	Balance (%)	Diff. Press. (in. H2O)	Temp. (deg. F)	Flow (scfm)	Well Pres. (in. H2O)	Header Pres. (in. H2O)	Valve Setting (% Open)	Comments
SEC2GW13	SEC2GW13	5/15/2017 9:44		43.6	49.5	0.3	6.6	0.01	69.8	6.1	-8.57	-40.81	5	Closed Valve 1/2 turn or less: :
SEC2GW13	SEC2GW13	5/15/2017 9:44	ADJ	43.6	49.5	0.3	6.6	0.02	69.8	9.3	-8.45	-41.23	4	
SEC2GW13	SEC2GW13	6/1/2017 10:15		41.4	50.5	0.4	7.7	0.03	74.7	11.5	-9.46	-45.53	4	Closed Valve 1/2 turn or less: :
SEC2GW13	SEC2GW13	6/1/2017 10:15	ADJ	41.4	50.5	0.4	7.7	0.02	74.8	11	-9.46	-45.66	3	
SEC2GW13	SEC2GW13	7/19/2017 13:15		48.1	51.1	0.4	0.4	0.01	82	7.2	-8.78	-44.51	3	No Change: :
SEC2GW13	SEC2GW13	7/19/2017 13:15	ADJ	48.1	51.1	0.4	0.4	0.02	81.7	10.2	-8.83	-44.64	3	
SEC2GW13	SEC2GW13	8/9/2017 9:31		52.3	46.6	0.5	0.6	0.01	76.5	7.9	-7.85	-44.26	3	No Change: :
SEC2GW13	SEC2GW13	8/9/2017 9:31	ADJ	52.3	46.6	0.5	0.6	0.02	76.6	8.8	-7.85	-44.77	3	
SEC2GW13	SEC2GW13	9/22/2017 13:22		49.9	42.3	1.4	6.4	0.02	86.5	11	-11.23	-45.11	3	Closed Valve 1/2 turn or less: :
SEC2GW13	SEC2GW13	9/22/2017 13:22	ADJ	49.9	42.3	1.4	6.4	0.02	86.7	9.7	-11.02	-46.21	2	
SEC2GW13	SEC2GW13	10/20/2017 14:36		54.6	39.8	0.9	4.7	0.01	74.7	8.1	-6.55	-43.91	2	No Change: :
SEC2GW13	SEC2GW13	10/20/2017 14:36	ADJ	54.6	39.8	0.9	4.7	0.01	74.7	8.1	-6.8	-44.89	2	
SEC2GW13	SEC2GW13	11/16/2017 14:34		55.3	43.5	0.2	1	0.15	61	27.3	-14.95	-46.77	2	No Change: :
SEC2GW13	SEC2GW13	11/16/2017 14:34	ADJ	55.3	43.5	0.2	1	0.15	61	27.3	-14.95	-46.77	2	
SEC2GW13	SEC2GW13	12/7/2017 16:27		35.8	52.9	1	10.3	0.05	50.7	16.2	-0.05	-45.28	2	Closed Valve 1/2 turn or less: :
SEC2GW13	SEC2GW13	12/7/2017 16:27	ADJ	35.8	52.9	1	10.3	0.03	50.7	13.7	-0.05	-44.94	1	
SEC2GW17	SEC2GW17	1/17/2017 13:55		58.6	41.3	0	1	20.46	76	301	-35.1	-36.84	100	,,,,,,
SEC2GW17	SEC2GW17	1/17/2017 13:55	ADJ	58.6	41.3	0	1	13.74	77	245	-36	-36.84	100	
SEC2GW17	SEC2GW17	2/14/2017 10:35		60.1	39.8	0	1	2.92	74	112	-37.9	-39.05	100	no change,,,,,,
SEC2GW17	SEC2GW17	2/14/2017 10:35	ADJ	60.1	39.8	0	1	2.59	75	105	-37.9	-39.05	100	
SEC2GW17	SEC2GW17	3/10/2017 8:40		60.2	39	0.6	0.2	2.58	72	105	-38.6	-39.79	100	no change,,,,,,
SEC2GW17	SEC2GW17	3/10/2017 8:40	ADJ	60.2	39	0.6	0.2	2.6	72	105	-38.9	-39.79	100	
SEC2GW17	SEC2GW17	4/11/2017 15:21		59.5	40.4	0	1	2.71	80	106	-39	-40.2	100	,,,,,,
SEC2GW17	SEC2GW17	4/11/2017 15:21	ADJ	59.5	40.4	0	1	2.9	80	110	-39.1	-40.2	100	
SEC2GW17	SEC2GW17	5/15/2017 13:42		54.2	39	0.8	6	0.24	78.6	32.6	-41.89	-41.53	100	Valve completely open: :
SEC2GW17	SEC2GW17	5/15/2017 13:42	ADJ	54.2	39	0.8	6	0.28	78.6	34.8	-42.23	-42.3	100	
SEC2GW17	SEC2GW17	6/2/2017 8:09		51	37.6	4.6	6.8	0.78	77	57.2	-46.45	-47.19	100	Valve completely open: :
SEC2GW17	SEC2GW17	6/2/2017 8:09	ADJ	51	37.6	4.6	6.8	1.11	77.2	68.2	-46.66	-47.36	100	
SEC2GW17	SEC2GW17	7/19/2017 16:38		51.7	40	1.1	7.2	0.75	82.4	56.2	-44.97	-45.19	100	No Change: :
SEC2GW17	SEC2GW17	7/19/2017 16:38	ADJ	51.7	40	1.1	7.2	1.08	82.4	67.3	-45.61	-45.66	100	
SEC2GW17	SEC2GW17	8/9/2017 13:22		57.4	38.8	0.4	3.4	2.27	82.6	97.5	-45.02	-46.09	100	Valve completely open: :
SEC2GW17	SEC2GW17	8/9/2017 13:22	ADJ	57.4	38.8	0.4	3.4	2.45	82.6	101.4	-45.02	-46.3	100	
SEC2GW17	SEC2GW17	9/22/2017 14:40		57	40.5	0.3	2.2	2.09	85.1	93.9	-44.17	-45.49	100	Valve completely open: :
SEC2GW17	SEC2GW17	9/22/2017 14:40	ADJ	57	40.5	0.3	2.2	2.13	85.1	94.8	-44.59	-45.87	100	
SEC2GW17	SEC2GW17	10/20/2017 13:58		57.1	42.7	0	0.2	1.96	83.5	90.7	-44.85	-45.79	100	No Change,Valve completely open: :
SEC2GW17	SEC2GW17	10/20/2017 13:58	ADJ	57.1	42.7	0	0.2	1.83	83.7	87.7	-44.89	-45.87	100	
SEC2GW17	SEC2GW17	11/17/2017 10:47		58	40.3	0.6	1.1	1.97	77.7	91.6	-45.95	-47.66	100	Valve completely open: :
SEC2GW17	SEC2GW17	11/17/2017 10:47	ADJ	58	40.3	0.6	1.1	1.83	77.7	88.3	-45.95	-47.66	100	
SEC2GW17	SEC2GW17	12/8/2017 10:25		57.7	41.3	0.2	0.8	2.68	78.6	106.1	-47.21	-48.04	100	Valve completely open: :
SEC2GW17	SEC2GW17	12/8/2017 10:25	ADJ	57.7	41.3	0.2	0.8	2.65	78.6	105.6	-47.04	-48.04	100	
SEC2GW18	SEC2GW18	1/17/2017 13:51		60.1	38.4	1.3	0.2	18.46	47	298	-29.5	-40.16	1	,,,,,,
SEC2GW18	SEC2GW18	1/17/2017 13:51	ADJ	60.1	38.4	1.3	0.2	11.52	46	235	-30.1	-40.16	1.5	
SEC2GW18	SEC2GW18	2/14/2017 10:40		58.9	38.7	0.4	2	-0.04	46	---	-12.1	-42.73	1.5	opened 1/2 turn,,,,,,
SEC2GW18	SEC2GW18	2/14/2017 10:40	ADJ	58.9	38.7	0.4	2	-0.05	46	---	-16.6	-42.73	2	
SEC2GW18	SEC2GW18	3/9/2017 16:11		59.6	40.2	0	0.2	-0.05	47	---	-9.7	-42.75	5	opened 1/2 turn,,,,,,
SEC2GW18	SEC2GW18	3/9/2017 16:11	ADJ	59.6	40.2	0	0.2	0	46	1	-10.6	-42.75	6	
SEC2GW18	SEC2GW18	4/11/2017 15:26		59.8	40.1	0	1	0	42	---	-9.1	-43.7	6	,,,,,,
SEC2GW18	SEC2GW18	4/11/2017 15:26	ADJ	59.8	40.1	0	1	0.4	42	42	-34.2	-43.7	12	
SEC2GW18	SEC2GW18	5/15/2017 13:46		55	37.8	1.9	5.3	0.22	76.5	30.5	-42.23	-44.89	12	Opened Valve > 1 turn: :
SEC2GW18	SEC2GW18	5/15/2017 13:46	ADJ	55	37.8	1.9	5.3	0.61	76.5	51.4	-43.96	-44.77	13	
SEC2GW18	SEC2GW18	6/2/2017 8:14		58.1	38.1	0.5	3.3	0.31	74.1	36.1	-48.31	-50.09	13	Opened Valve > 1 turn: :
SEC2GW18	SEC2GW18	6/2/2017 8:14	ADJ	58.1	38.1	0.5	3.3	0.71	75.6	54.3	-49.03	-50.17	14	
SEC2GW18	SEC2GW18	7/19/2017 17:01		62.5	35	0.3	2.2	0	77.9	0	-45.4	-47.7	14	Opened Valve > 1 turn: :
SEC2GW18	SEC2GW18	7/19/2017 17:01	ADJ	62.5	35	0.3	2.2	0.28	77.9	34.4	-46.62	-47.36	17	
SEC2GW18	SEC2GW18	8/9/2017 13:35		51.2	33.9	3.3	11.6	0.3	78.4	35.1	-48.35	-49.15	17	No Change: :
SEC2GW18	SEC2GW18	8/9/2017 13:35	ADJ	51.2	33.9	3.3	11.6	0.25	78.3	32.2	-48.35	-48.72	17	
SEC2GW18	SEC2GW18	9/22/2017 14:45		56.3	36.7	0.7	6.3	0.08	82.8	17.8	-45.95	-47.49	17	Opened Valve > 1 turn: :
SEC2GW18	SEC2GW18	9/22/2017 14:45	ADJ	56.3	36.7	0.7	6.3	0.08	82.6	17.8	-45.95	-47.53	18	
SEC2GW18	SEC2GW18	10/20/2017 14:03		56.3	40.4	0.6	2.7	0.09	77	19.2	-45.95	-47.96	18	Opened Valve 1/2 to 1 turn: :
SEC2GW18	SEC2GW18	10/20/2017 14:03	ADJ	56.3	40.4	0.6	2.7	0.1	76.8	20.9	-46.33	-47.74	20	
SEC2GW18	SEC2GW18	11/17/2017 10:52		57.5	38.2	1.4	2.9	0.17	70.7	27.1	-48.31	-49.4	20	Opened Valve 1/2 turn or less: :
SEC2GW18	SEC2GW18	11/17/2017 10:52	ADJ	57.5	38.2	1.4	2.9	0.31	70.7	36.5	-48.65	-49.32	21	
SEC2GW18	SEC2GW18	12/8/2017 10:29		55.2	38	1.2	5.6	0.15	61.5	25.3	-49.92	-50.38	21	No Change: :
SEC2GW18	SEC2GW18	12/8/2017 10:29	ADJ	55.2	38	1.2	5.6	0.14	61.5	24.8	-50.08	-49.91	21	
SEC2GW19	SEC2GW19	1/17/2017 13:29		51.6	48.3	0	1	24.65	55	339	-3	-42.26	13	,,,,,,
SEC2GW19	SEC2GW19	1/17/2017 13:29	ADJ	51.6	48.3	0	1	19.71	55	303	-3	-42.26	13	
SEC2GW19	SEC2GW19	2/14/2017 9:04		53.6	46.3	0	1	-0.03	54	---	-0.6	-3.12	13	opened 1/4 turn,,,,,,
SEC2GW19	SEC2GW19	2/14/2017 9:04	ADJ	53.6	46.3	0	1	-0.02	52	---	-0.4	-3.12	14	
SEC2GW19	SEC2GW19	2/14/2017 9:24		54.8	45.1	0	1	0	51	4	-0.4	-2.75	14	,,,,,,
SEC2GW19	SEC2GW19	2/14/2017 9:24	ADJ	54.8	45.1	0	1	0.06	51	15	-0.8	-2.75	14	
SEC2GW19	SEC2GW19	2/14/2017 9:37		54.2	45.6	0	0.2	0.12	57	22	-3.5	-43.02	14	no change,,,,,,
SEC2GW19	SEC2GW19	2/14/2017 9:37	ADJ	54.2	45.6	0	0.2	0.08	57	18	-3.6	-43.02	14	
SEC2GW19	SEC2GW19	3/9/2017 15:14		54	45.7	0.2	1	0.15	55	25	-5.1	-44.9	15	opened 1/4 turn,,,,,,
SEC2GW19	SEC2GW19	3/9/2017 15:14	ADJ	54	45.7	0.2	1	0.15	55	25	-5.3	-44.9	16	
SEC2GW19	SEC2GW19	4/11/2017 14:25		54.7	45.2	0	1	0.17	50	27	-6.3	-44.89	16	,,,,,,
SEC2GW19	SEC2GW19	4/11/2017 14:25	ADJ	54.7	45.2	0	1	0.29	50	35	-7.2	-44.89	17	
SEC2GW19	SEC2GW19	5/15/2017 11:25		50.5	43.6	0.4	5.5	0.18	62.1	31.2	-9.16	-45.79	17	No Change: :
SEC2GW19	SEC2GW19	5/15/2017 11:25	ADJ	50.5	43.6	0.4	5.5	0.23	62.2	35	-9.12	-46.04	17	
SEC2GW19	SEC2GW19	6/1/2017 14:56		51.9	46.2	0.1	1.8	0.21	64	33	-9.8	-48.89	17	No Change: :
SEC2GW19	SEC2GW19	6/1/2017 14:56	ADJ	51.9	46.2	0.1	1.8	0.24	64.2	35.2	-10.14	-49.06	17	
SEC2GW19	SEC2GW19	7/19/2017 14:47		48.9	45.3	0	5.8	0.22	89.1	33.3	-6.08	-50.26	17	No Change: :
SEC2GW19	SEC2GW19	7/19/2017 14:47	ADJ	48.9	45.3	0	5.8	0.21	81.7	33	-6.21	-49.02	17	
SEC2GW19	SEC2GW19	8/9/2017 10:45		50.6	48.6	0.4	0.4	0.22	66.9	33.5	-9.67	-50.34	17	No Change: :
SEC2GW19	SEC2GW19	8/9/2017 10:45	ADJ	50.6	48.6	0.4	0.4	0.19	66.9	31.7	-9.76	-50.47	17	
SEC2GW19	SEC2GW19	9/22/2017 11:07		51.9	42.9	0.1	5.1	0	68.7	0	-6.76	-49.7	17	No Change: :
SEC2GW19	SEC2GW19	9/22/2017 11:07	ADJ	51.9	42.9	0.1	5.1	0	68.5	0	-6.42	-49.53	17	
SEC2GW19	SEC2GW19	10/20/2017 9:11		53.8	46	0.2	0	0.12	63.7	25.7	-6.8	-51.53	17	No Change: :
SEC2GW19	SEC2GW19	10/20/2017 9:11	ADJ	53.8	46	0.2	0	0.13	63.9	26	-6.8	-51.23	17	
SEC2GW19	SEC2GW19	11/16/2017 16:18		54.9	41.8	0.4	2.9	0.26	60.8	37.6	-6.8	-51.49	17	No Change: :
SEC2GW19	SEC2GW19	11/16/2017 16:18	ADJ	54.9	41.8	0.4	2.9	0.23	60.6	35.4	-6.8	-51.57	17	
SEC2GW19	SEC2GW19	12/7/2017 15:10		53.3	44.4	0.2	2.1	0.1	60.1	23.4	-6.8	-47.36	17	Closed Valve 1/2 turn or less: :
SEC2GW19	SEC2GW19	12/7/2017 15:10	ADJ	53.3	44.4	0.2	2.1	0.09	59.9	21.8	-6.42	-47.45	16	
SEC2GW20	SEC2GW20	1/17/2017 13:45		57.4	42.5	0	1	16.39	81	264	-41.2	-40.51	76	,,,,,,
SEC2GW20	SEC2GW20	1/17/2017 13:45	ADJ	57.4	42.5	0	1	11.41	81	220	-41	-40.51	78	
SEC2GW20	SEC2GW20	2/14/2017 10:44		57.9	39.8	0.5	1.8	0.01	83	4	-44	-44.12	78	opened 1/2 turn,,,,,,
SEC2GW20	SEC2GW20	2/14/2017 10:44	ADJ	57.9	39.8	0.5	1.8	0	83	4	-43.9	-44.12	80	
SEC2GW20	SEC2GW20	3/9/2017 16:16		59	39.7	0.7	0.6	0.05	80	13	-44	-44.1	82	opened 1/2 turn,,,,,,
SEC2GW20	SEC2GW20	3/9/2017 16:16	ADJ	59	39.7	0.7	0.6	0.05	81	14	-43.9	-44.1	83	
SEC2GW20	SEC2GW20	4/11/2017 15:31		58.5	41.4	0	1	0.02	67	8	-44.7	-44.8	83	,,,,,,
SEC2GW20	SEC2GW20	4/11/2017 15:31	ADJ	58.5	41.4	0	1	0.04	63	12	-44.6	-44.8	85	
SEC2GW20	SEC2GW20	5/15/2017 13:50		53.9	40.7	0.2	5.2	0.07	88.9	16.8	-46.28	-45.91	85	Opened Valve 1/2 to 1 turn: :
SEC2GW20	SEC2GW20	5/15/2017 13:50	ADJ	53.9	40.7	0.2	5.2	0.05	88.9	14.2	-46.28	-45.91	86	
SEC2GW20	SEC2GW20	6/2/2017 8:19		55.3	41.6	0.1	3	0.05	88.5	14	-50.38	-51.06	86	Opened Valve > 1 turn: :
SEC2GW20	SEC2GW20	6/2/2017 8:19	ADJ	55.3	41.6	0.1	3	0.06	88.3	14.9	-50.38	-50.72	87	
SEC2GW20	SEC2GW20	7/19/2017 16:56		55.5	41.8	0.1	2.6	0.04	89.8	12.8	-48.27	-48.68	87	Opened Valve > 1 turn: :
SEC2GW20	SEC2GW20	7/19/2017 16:56	ADJ	55.5	41.8	0.1	2.6	0.06	89.8	15.2	-48.35	-48.68	92	

Seven Mile Creek Landfill

Gas Extraction Report

Well ID	Alias	Date/Time	ADJ	CH4 (%)	CO2 (%)	O2 (%)	Balance (%)	Diff. Press. (in. H2O)	Temp. (deg. F)	Flow (scfm)	Well Pres. (in. H2O)	Header Pres. (in. H2O)	Valve Setting (% Open)	Comments
SEC2GW20	SEC2GW20	8/9/2017 13:39		57.7	41.7	0.2	0.4	0.05	88.9	14.4	-49.75	-49.79	100	Valve completely open: :
SEC2GW20	SEC2GW20	8/9/2017 13:39	ADJ	57.7	41.7	0.2	0.4	0.06	88.9	14.8	-49.83	-50.04	100	
SEC2GW20	SEC2GW20	9/22/2017 14:49		57.5	38	0.1	4.4	0.06	91.2	15.1	-48.65	-48.51	100	Valve completely open: :
SEC2GW20	SEC2GW20	9/22/2017 14:49	ADJ	57.5	38	0.1	4.4	0.07	91.4	17	-48.65	-48.68	100	
SEC2GW20	SEC2GW20	10/20/2017 14:07		56.5	42.2	0.3	1	0.05	87.8	14	-49.03	-49.28	100	No Change,Valve completely open: :
SEC2GW20	SEC2GW20	10/20/2017 14:07	ADJ	56.5	42.2	0.3	1	0.05	87.8	14	-49.03	-49.28	100	
SEC2GW20	SEC2GW20	11/17/2017 10:56		59.2	37.9	0.3	2.6	0.05	81.5	14.3	-50	-50.6	100	Valve completely open: :
SEC2GW20	SEC2GW20	11/17/2017 10:56	ADJ	59.2	37.9	0.3	2.6	0.05	81.7	14.7	-50	-50.72	100	
SEC2GW20	SEC2GW20	12/8/2017 10:34		58.9	40.9	0.1	0.1	0.07	79.2	16.5	-51.31	-51.4	100	Valve completely open: :
SEC2GW20	SEC2GW20	12/8/2017 10:34	ADJ	58.9	40.9	0.1	0.1	0.04	79.2	12.6	-51.39	-51.4	100	
SEC2GW21	SEC2GW21	1/17/2017 13:41		59.9	40	0	1	15.07	62	260	-41.5	-41.52	70	,,,,,,
SEC2GW21	SEC2GW21	1/17/2017 13:41	ADJ	59.9	40	0	1	11.36	62	225	-41.6	-41.52	71	
SEC2GW21	SEC2GW21	2/14/2017 10:48		57.2	37	1.2	4.6	0	58	---	-44.1	-44.25	71	opened 1/2 turn,,,,,,
SEC2GW21	SEC2GW21	2/14/2017 10:48	ADJ	57.2	37	1.2	4.6	0.01	58	6	-44.1	-44.25	72	
SEC2GW21	SEC2GW21	3/9/2017 16:21		60.6	38.8	0.5	1	-0.02	73	---	-44.1	-44.22	68	opened 1/2 turn,,,,,,
SEC2GW21	SEC2GW21	3/9/2017 16:21	ADJ	60.6	38.8	0.5	1	-0.03	74	---	-44	-44.22	69	
SEC2GW21	SEC2GW21	4/11/2017 15:35		60.7	39.2	0	1	0	71	1	-44.9	-44.71	69	,,,,,,
SEC2GW21	SEC2GW21	4/11/2017 15:35	ADJ	60.7	39.2	0	1	-0.04	71	1	-44.2	-44.71	72	
SEC2GW21	SEC2GW21	5/15/2017 13:53		54.8	38.4	0.7	6.1	0.02	79.9	8.6	-46.28	-46.04	72	Opened Valve > 1 turn: :
SEC2GW21	SEC2GW21	5/15/2017 13:53	ADJ	54.8	38.4	0.7	6.1	0.02	79.9	8.6	-46.28	-45.91	73	
SEC2GW21	SEC2GW21	6/2/2017 8:23		55.5	37.8	0.9	5.8	0.02	79.9	9.1	-50.42	-50.72	73	Opened Valve > 1 turn: :
SEC2GW21	SEC2GW21	6/2/2017 8:23	ADJ	55.5	37.8	0.9	5.8	0.02	79.9	8.9	-50.34	-50.72	74	
SEC2GW21	SEC2GW21	7/19/2017 16:51		56.7	39.2	0.5	3.6	0.01	82	7	-48.31	-48.64	74	Opened Valve > 1 turn: :
SEC2GW21	SEC2GW21	7/19/2017 16:51	ADJ	56.7	39.2	0.5	3.6	0.02	82.2	9.2	-48.31	-48.64	80	
SEC2GW21	SEC2GW21	8/9/2017 13:43		58	38.9	0.7	2.4	0.02	81.3	9.7	-49.75	-50.04	80	Opened Valve > 1 turn: :
SEC2GW21	SEC2GW21	8/9/2017 13:43	ADJ	58	38.9	0.7	2.4	0.02	81.3	9.8	-49.79	-50.04	81	
SEC2GW21	SEC2GW21	9/22/2017 14:52		52	32	1.1	14.9	0.01	86.9	5.6	-48.61	-48.55	90	No Change: :
SEC2GW21	SEC2GW21	9/22/2017 14:52	ADJ	52	32	1.1	14.9	0.03	86.7	11.4	-48.65	-48.51	90	
SEC2GW21	SEC2GW21	10/20/2017 14:11		56.5	39.3	0.8	3.4	0.03	84.2	11.6	-49.07	-49.15	90	Opened Valve > 1 turn,Valve completely open: :
SEC2GW21	SEC2GW21	10/20/2017 14:11	ADJ	56.5	39.3	0.8	3.4	0.04	84.2	11.9	-49.07	-49.11	91	
SEC2GW21	SEC2GW21	11/17/2017 11:01		59.3	38.3	0.5	1.9	0.04	76.6	12.1	-50.3	-50.72	100	Valve completely open: :
SEC2GW21	SEC2GW21	11/17/2017 11:01	ADJ	59.3	38.3	0.5	1.9	0.04	76.8	12.2	-50.3	-50.72	100	
SEC2GW21	SEC2GW21	12/8/2017 10:38		58.6	38.6	0.5	2.3	0.02	71.4	10.3	-51.44	-51.06	100	Valve completely open: :
SEC2GW21	SEC2GW21	12/8/2017 10:38	ADJ	58.6	38.6	0.5	2.3	0.03	71.4	11.2	-51.44	-51.06	100	
SEC2GW30	SEC2GW30	1/17/2017 9:27		57.6	42.3	0	1	14.51	101	246	-39.3	-39.16	100	,,,,,,
SEC2GW30	SEC2GW30	1/17/2017 9:27	ADJ	57.6	42.3	0	1	11.27	101	216	-39.2	-39.16	100	
SEC2GW30	SEC2GW30	2/13/2017 15:42		57.4	40.4	0.2	2	0.04	99	11	-39.8	-40.02	100	no change,,,,,,
SEC2GW30	SEC2GW30	2/13/2017 15:42	ADJ	57.4	40.4	0.2	2	0.04	99	12	-39.9	-40.02	100	
SEC2GW30	SEC2GW30	3/9/2017 11:24		57.5	40.3	0.6	1.6	0.09	98	18	-40.9	-41.01	100	no change,,,,,,
SEC2GW30	SEC2GW30	3/9/2017 11:24	ADJ	57.5	40.3	0.6	1.6	0.06	98	15	-40.9	-41.01	100	
SEC2GW30	SEC2GW30	4/11/2017 9:07		58.2	41.6	0	0.2	0.01	94	6	-42.1	-42.12	100	,,,,,,
SEC2GW30	SEC2GW30	4/11/2017 9:07	ADJ	58.2	41.6	0	0.2	0.03	94	10	-42.1	-42.12	100	
SEC2GW30	SEC2GW30	5/15/2017 9:03		53.5	40.5	0.3	5.7	0.07	100.9	17.1	-42.69	-42.6	100	Valve completely open: :
SEC2GW30	SEC2GW30	5/15/2017 9:03	ADJ	53.5	40.5	0.3	5.7	0.06	100.8	16.4	-42.91	-43.02	100	
SEC2GW30	SEC2GW30	6/1/2017 9:00		53.9	41	0.6	4.5	0.07	101.5	17	-47	-47.32	100	Valve completely open: :
SEC2GW30	SEC2GW30	6/1/2017 9:00	ADJ	53.9	41	0.6	4.5	0.07	101.5	16.6	-47	-47.32	100	
SEC2GW30	SEC2GW30	7/19/2017 11:23		53.4	41.1	0.4	5.1	0.08	103.6	17.8	-47.64	-47.62	100	Valve completely open: :
SEC2GW30	SEC2GW30	7/19/2017 11:23	ADJ	53.4	41.1	0.4	5.1	0.08	103.6	17.9	-47.68	-47.96	100	
SEC2GW30	SEC2GW30	8/9/2017 8:45		52.9	39.1	0.9	7.1	0.09	104	19.1	-46.66	-46.77	100	No Change: :
SEC2GW30	SEC2GW30	8/9/2017 8:45	ADJ	52.9	39.1	0.9	7.1	0.06	104	15.4	-46.88	-46.77	100	
SEC2GW30	SEC2GW30	9/22/2017 8:53		56.5	36.7	0.7	6.1	0	105.1	0	-47.3	-48.13	100	Valve completely open: :
SEC2GW30	SEC2GW30	9/22/2017 8:53	ADJ	56.5	36.7	0.7	6.1	0	105.4	0	-47.8	-48.34	100	
SEC2GW30	SEC2GW30	10/19/2017 15:30		57.7	41.6	0.1	0.6	0.06	101.7	15.9	-47.09	-47.53	100	Valve completely open: :
SEC2GW30	SEC2GW30	10/19/2017 15:30	ADJ	57.7	41.6	0.1	0.6	0.06	101.7	16	-47.34	-47.53	100	
SEC2GW30	SEC2GW30	11/16/2017 13:37		54.6	37.4	2.5	5.5	0.24	98.6	31.1	-48.99	-49.06	100	Valve completely open: :
SEC2GW30	SEC2GW30	11/16/2017 13:37	ADJ	54.6	37.4	2.5	5.5	0.23	98.2	30.2	-48.4	-49.28	100	
SEC2GW30	SEC2GW30	12/7/2017 13:14		51.3	38.6	1	9.1	0.19	96.1	27.9	-47.38	-47.06	100	Closed Valve 1/2 turn or less: :
SEC2GW30	SEC2GW30	12/7/2017 13:14	ADJ	51.3	38.6	1	9.1	0.14	96.1	23.3	-47.3	-47.4	98	
SEC2GW31	SEC2GW31	1/17/2017 11:16		59.3	40.2	0.4	1	16.62	95	270	-31.2	-39.14	22	,,,,,,
SEC2GW31	SEC2GW31	1/17/2017 11:16	ADJ	59.3	40.2	0.4	1	11.8	95	226	-31.8	-39.14	24	
SEC2GW31	SEC2GW31	2/14/2017 8:00		52.4	37.7	0	9.9	0.22	93	29	-30.4	-40.51	24	closed 1//4 turn,,,,,,
SEC2GW31	SEC2GW31	2/14/2017 8:00	ADJ	52.4	37.7	0	9.9	0.19	93	27	-30.2	-40.51	23	
SEC2GW31	SEC2GW31	3/9/2017 14:14		46.5	36.2	0.8	16.5	0.23	91	29	-28.5	-41.58	23	closed 1/2 turn,,,,,,
SEC2GW31	SEC2GW31	3/9/2017 14:14	ADJ	46.5	36.2	0.8	16.5	0.2	91	27	-27.5	-41.58	22	
SEC2GW31	SEC2GW31	4/11/2017 12:51		46.2	35.9	1.2	16.7	0.22	86	29	-24.6	-42.48	22	,,,,,,
SEC2GW31	SEC2GW31	4/11/2017 12:51	ADJ	46.2	35.9	1.2	16.7	-0.06	86	29	-20.4	-42.48	20	
SEC2GW31	SEC2GW31	5/15/2017 10:41		50.3	38.7	0.9	10.1	0.16	93	27.9	-18.92	-42.94	20	No Change: :
SEC2GW31	SEC2GW31	5/15/2017 10:41	ADJ	50.3	38.7	0.9	10.1	0.16	93.2	27.9	-18.92	-42.26	20	
SEC2GW31	SEC2GW31	6/1/2017 11:00		50	38.5	1.1	10.4	0.2	93.9	31	-19.26	-47.66	20	No Change: :
SEC2GW31	SEC2GW31	6/1/2017 11:00	ADJ	50	38.5	1.1	10.4	0.19	93.9	29.7	-19.26	-47.53	20	
SEC2GW31	SEC2GW31	7/19/2017 14:07		50	38.5	1.1	10.4	0.19	98.1	29.9	-17.36	-46.77	20	No Change: :
SEC2GW31	SEC2GW31	7/19/2017 14:07	ADJ	50	38.5	1.1	10.4	0.2	97.9	30.5	-17.36	-46.72	20	
SEC2GW31	SEC2GW31	8/9/2017 10:11		51.5	40.1	0.9	7.5	0.09	100.2	21	-18.07	-47.66	20	No Change: :
SEC2GW31	SEC2GW31	8/9/2017 10:11	ADJ	51.5	40.1	0.9	7.5	0.09	100.4	21	-17.95	-47.4	20	
SEC2GW31	SEC2GW31	9/22/2017 10:08		53.5	36.6	0.5	9.4	0.38	102.4	42.6	-16.89	-46.3	20	No Change: :
SEC2GW31	SEC2GW31	9/22/2017 10:08	ADJ	53.5	36.6	0.5	9.4	0.14	102.6	25.7	-16.77	-46.38	20	
SEC2GW31	SEC2GW31	10/20/2017 9:53		55	42.2	0.3	2.5	0.37	100.2	42.4	-12.54	-47.79	20	No Change: :
SEC2GW31	SEC2GW31	10/20/2017 9:53	ADJ	55	42.2	0.3	2.5	0.38	100.4	43	-12.54	-47.74	20	
SEC2GW31	SEC2GW31	11/16/2017 15:05		54.7	38.5	0.8	6	0.02	95	9.2	-11.78	-49.49	20	No Change: :
SEC2GW31	SEC2GW31	11/16/2017 15:05	ADJ	54.7	38.5	0.8	6	0.01	94.6	5.7	-11.82	-49.4	20	
SEC2GW31	SEC2GW31	12/7/2017 14:18		54.6	37.2	0.9	7.3	0.48	90.9	49	-10.47	-45.66	20	No Change: :
SEC2GW31	SEC2GW31	12/7/2017 14:18	ADJ	54.6	37.2	0.9	7.3	0.51	91	50.2	-10.47	-45.57	20	
SEC2GW32	SEC2GW32	1/17/2017 11:10		60.7	39.2	0	1	20.48	70	319	-2.3	-38.96	10	,,,,,,
SEC2GW32	SEC2GW32	1/17/2017 11:10	ADJ	60.7	39.2	0	1	11.37	70	236	-2.5	-38.96	13	
SEC2GW32	SEC2GW32	2/14/2017 7:55		47.9	33.8	0	18.3	0.01	76	7	-2.5	-40.76	13	closed 1//4 turn,,,,,,
SEC2GW32	SEC2GW32	2/14/2017 7:55	ADJ	47.9	33.8	0	18.3	-0.1	76	7	-2.2	-40.76	11	
SEC2GW32	SEC2GW32	3/9/2017 13:50		31.6	30.4	0.9	37.1	-0.19	74	---	-2.1	-39.3	10	closed 1/2 turn,,,,,,
SEC2GW32	SEC2GW32	3/9/2017 13:50	ADJ	31.6	30.4	0.9	37.1	0.01	73	6	-1.3	-39.3	9	
SEC2GW32	SEC2GW32	4/11/2017 12:58		46.7	36.3	0	17	-0.94	60	---	-0.9	-41.88	9	,,,,,,
SEC2GW32	SEC2GW32	4/11/2017 12:58	ADJ	46.7	36.3	0	17	-0.02	60	---	-0.5	-41.88	8	
SEC2GW32	SEC2GW32	5/15/2017 10:33		52.7	39.2	0.2	7.9	0.32	86.9	41.3	-0.26	-40.85	8	No Change: :
SEC2GW32	SEC2GW32	5/15/2017 10:33	ADJ	52.7	39.2	0.2	7.9	0.33	87.1	41.7	-0.26	-41.15	8	
SEC2GW32	SEC2GW32	6/1/2017 10:46		51.8	38.9	0.1	9.2	0	88.7	0	-0.33	-46.81	8	No Change: :
SEC2GW32	SEC2GW32	6/1/2017 10:46	ADJ	51.8	38.9	0.1	9.2	0.28	88.7	38.6	-0.33	-46.98	8	
SEC2GW32	SEC2GW32	7/19/2017 13:43		52.1	40.8	0	7.1	0.02	97	10	-0.19	-46.81	8	No Change: :
SEC2GW32	SEC2GW32	7/19/2017 13:43	ADJ	52.1	40.8	0	7.1	0.02	97.2	9.6	-0.15	-45.87	8	
SEC2GW32	SEC2GW32	8/9/2017 9:55		52.6	42.4	0.3	4.7	0	94.5	0	-0.25	-46.64	8	No Change: :
SEC2GW32	SEC2GW32	8/9/2017 9:55	ADJ	52.6	42.4	0.3	4.7	0	94.5	0	-0.24	-46.55	8	
SEC2GW32	SEC2GW32	9/22/2017 10:13		55.7	39.3	0	5	0	96.1	0	-0.31	-46.55	8	Opened Valve 1/2 turn or less: :
SEC2GW32	SEC2GW32	9/22/2017 10:13	ADJ	55.7	39.3	0	5	0.28	97	37.7	-1.87	-47.32	9	
SEC2GW32	SEC2GW32	10/20/2017 8:24		51	36.8	0.3	11.9	0.34	90.3	41.6	-2.88	-49.32	9	No Change: :
SEC2GW32	SEC2GW32	10/20/2017 8:24	ADJ	51	36.8	0.3	11.9	0.33	90.3	41.5	-2.87	-47.91	9	
SEC2GW32	SEC2GW32	11/16/2017 15:21		42.6	32.2	4.9	20.3	0.46	75.9	49.4	-0.4	-49.32	9	Closed Valve 1/2 turn or less: :
SEC2GW32	SEC2GW32	11/16/2017 15:21	ADJ	42.6	32.2	4.9	20.3	0.46	76.3	49.4	-0.37	-48.77	8	
SEC2GW32	SEC2GW32	12/7/2017 15:29		59.2	40.7	0.1	0	0	30	0	0.15	-47.11	8	Opened Valve 1/2 to 1 turn: :

Seven Mile Creek Landfill

Gas Extraction Report

Well ID	Alias	Date/Time	ADJ	CH4 (%)	CO2 (%)	O2 (%)	Balance (%)	Diff. Press. (in. H2O)	Temp. (deg. F)	Flow (scfm)	Well Pres. (in. H2O)	Header Pres. (in. H2O)	Valve Setting (% Open)	Comments
SEC2GW32	SEC2GW32	12/7/2017 15:29	ADJ	59.2	40.7	0.1	0	0.21	57.2	34.8	-0.62	-47.45	9	
SEC2GW33	SEC2GW33	1/17/2017 10:49		56.7	43.2	0	1	18.5	97	291	-4.4	-38.26	11	,,,,,,
SEC2GW33	SEC2GW33	1/17/2017 10:49	ADJ	56.7	43.2	0	1	11.49	97	228	-4.5	-38.26	12	
SEC2GW33	SEC2GW33	2/13/2017 16:53		57.9	41.9	0	0.2	0.19	104	28	-4.5	-39.2	12	,,,,,,
SEC2GW33	SEC2GW33	2/13/2017 16:53	ADJ	57.9	41.9	0	0.2	0.06	104	16	-4.6	-39.2	15	
SEC2GW33	SEC2GW33	3/9/2017 13:54		51.8	39.4	0	8.8	0.28	98	34	-5.1	-40.19	15	no change,,,,,,
SEC2GW33	SEC2GW33	3/9/2017 13:54	ADJ	51.8	39.4	0	8.8	0.38	97	39	-5.1	-40.19	15	
SEC2GW33	SEC2GW33	4/11/2017 10:35		52.7	40.1	0	7.2	0.14	74	24	-5.2	-41.75	15	,,,,,,
SEC2GW33	SEC2GW33	4/11/2017 10:35	ADJ	52.7	40.1	0	7.2	0.15	74	25	-5.2	-41.75	15	
SEC2GW33	SEC2GW33	5/15/2017 10:20		51.2	41.8	0.2	6.8	0.13	100.8	25.7	-3.46	-41.66	15	No Change: :
SEC2GW33	SEC2GW33	5/15/2017 10:20	ADJ	51.2	41.8	0.2	6.8	0.17	100.9	29.2	-2.97	-42.04	15	
SEC2GW33	SEC2GW33	6/1/2017 10:38		50.3	40.4	0.1	9.2	0.27	101.1	36.6	-5.74	-46.3	15	No Change: :
SEC2GW33	SEC2GW33	6/1/2017 10:38	ADJ	50.3	40.4	0.1	9.2	0.27	101.1	36.6	-5.74	-46.3	15	
SEC2GW33	SEC2GW33	7/19/2017 13:40		49.8	40.7	0.1	9.4	0.21	104	32.2	-6	-46.38	15	No Change: :
SEC2GW33	SEC2GW33	7/19/2017 13:40	ADJ	49.8	40.7	0.1	9.4	0.19	104.2	30.9	-6.08	-46.72	15	
SEC2GW33	SEC2GW33	8/9/2017 9:59		52.1	41.7	0.2	6	0.13	104.9	25.5	-6.17	-46.77	15	No Change: :
SEC2GW33	SEC2GW33	8/9/2017 9:59	ADJ	52.1	41.7	0.2	6	0.18	104.9	29.6	-6.17	-47.28	15	
SEC2GW33	SEC2GW33	9/22/2017 9:50		53.3	38.6	0	8.1	0.23	107.2	33.6	-6.08	-46.81	15	No Change: :
SEC2GW33	SEC2GW33	9/22/2017 9:50	ADJ	53.3	38.6	0	8.1	0.22	107.2	32.8	-6.08	-48.68	15	
SEC2GW33	SEC2GW33	10/19/2017 16:22		53.6	43.2	0.2	3	0.16	116.4	28.4	-4.59	-47.7	15	No Change: :
SEC2GW33	SEC2GW33	10/19/2017 16:22	ADJ	53.6	43.2	0.2	3	0.16	116.2	28.3	-4.63	-46.77	15	
SEC2GW33	SEC2GW33	11/16/2017 14:47		53.7	37.4	0.4	8.5	0.05	110.7	15.3	-4.77	-48.51	15	Opened Valve 1/2 turn or less: :
SEC2GW33	SEC2GW33	11/16/2017 14:47	ADJ	53.7	37.4	0.4	8.5	0.07	110.8	18.4	-4.58	-49.02	15	
SEC2GW33	SEC2GW33	12/7/2017 14:01		50.4	38.3	0.3	11	0.13	105.3	25.4	-3.82	-46.98	15	Closed Valve 1/2 turn or less: :
SEC2GW33	SEC2GW33	12/7/2017 14:01	ADJ	50.4	38.3	0.3	11	0.07	104	18.3	-3.12	-47.15	14	
SEC2GW34	SEC2GW34	1/17/2017 10:10		57.9	41.9	0.1	1	16.36	92	264	-37.4	-37.5	100	,,,,,,
SEC2GW34	SEC2GW34	1/17/2017 10:10	ADJ	57.9	41.9	0.1	1	11.5	93	220	-37.4	-37.5	100	
SEC2GW34	SEC2GW34	2/13/2017 16:20		57.6	40.7	0.2	1.5	0.27	88	32	-37.9	-38.28	100	no change,,,,,,
SEC2GW34	SEC2GW34	2/13/2017 16:20	ADJ	57.6	40.7	0.2	1.5	0	90	32	-38.1	-38.28	100	
SEC2GW34	SEC2GW34	3/9/2017 13:05		55.6	40.1	0.4	3.9	0.03	97	10	-38.9	-39.17	100	no change,,,,,,
SEC2GW34	SEC2GW34	3/9/2017 13:05	ADJ	55.6	40.1	0.4	3.9	0.24	97	30	-38.9	-39.17	100	
SEC2GW34	SEC2GW34	4/11/2017 9:47		58.5	41.4	0	1	0.01	100	5	-40.4	-39.95	100	,,,,,,
SEC2GW34	SEC2GW34	4/11/2017 9:47	ADJ	58.5	41.4	0	1	0	100	5	-40.3	-39.95	100	
SEC2GW34	SEC2GW34	5/15/2017 9:34		53.9	38.4	0.3	7.4	0.01	102.9	6.5	-40.54	-40.47	100	No Change: :
SEC2GW34	SEC2GW34	5/15/2017 9:34	ADJ	53.9	38.4	0.3	7.4	0.04	102.9	12.4	-40.92	-40.81	100	
SEC2GW34	SEC2GW34	6/1/2017 10:03		57.3	41	0	1.7	0.05	103.6	13.5	-45.65	-46.04	100	Valve completely open: :
SEC2GW34	SEC2GW34	6/1/2017 10:03	ADJ	57.3	41	0	1.7	0.03	103.6	11.2	-45.86	-45.96	100	
SEC2GW34	SEC2GW34	7/19/2017 13:07		56.8	42.7	0	0.5	0.05	104.7	14.5	-45.61	-45.23	100	Valve completely open: :
SEC2GW34	SEC2GW34	7/19/2017 13:07	ADJ	56.8	42.7	0	0.5	0.04	104.7	13.3	-45.57	-45.23	100	
SEC2GW34	SEC2GW34	8/9/2017 9:23		56.8	42	0.2	1	0.06	104	15	-45.31	-45.19	100	Valve completely open: :
SEC2GW34	SEC2GW34	8/9/2017 9:23	ADJ	56.8	42	0.2	1	0.04	104	13.3	-45.35	-45.28	100	
SEC2GW34	SEC2GW34	9/22/2017 9:45		59.5	39.3	0.1	1.1	0.04	103.3	11.9	-45.27	-45.62	100	Valve completely open: :
SEC2GW34	SEC2GW34	9/22/2017 9:45	ADJ	59.5	39.3	0.1	1.1	0.05	103.3	14	-45.61	-45.83	100	
SEC2GW34	SEC2GW34	10/19/2017 16:19		56.1	43.6	0.3	0	0.41	100.8	40.9	-43.62	-44.85	100	Valve completely open: :
SEC2GW34	SEC2GW34	10/19/2017 16:19	ADJ	56.1	43.6	0.3	0	0.48	100.9	44.4	-43.62	-45.02	100	
SEC2GW34	SEC2GW34	11/16/2017 14:18		58.7	41.1	0.2	0	0.19	98.1	27.6	-47.34	-47.53	100	Valve completely open: :
SEC2GW34	SEC2GW34	11/16/2017 14:18	ADJ	58.7	41.1	0.2	0	0.18	98.2	27.1	-47.34	-47.66	100	
SEC2GW34	SEC2GW34	12/7/2017 13:55		57.8	38.9	0.2	3.1	0.02	93.4	7.8	-45.95	-45.96	100	Valve completely open: :
SEC2GW34	SEC2GW34	12/7/2017 13:55	ADJ	57.8	38.9	0.2	3.1	0.03	93.6	11.8	-46.28	-46.43	100	
SEC2GW35	SEC2GW35	1/17/2017 10:05		61.2	38.7	0	1	21.16	76	323	-4.1	-38.12	25	,,,,,,
SEC2GW35	SEC2GW35	1/17/2017 10:05	ADJ	61.2	38.7	0	1	12.11	75	243	-4.4	-38.12	26	
SEC2GW35	SEC2GW35	2/13/2017 16:15		52.8	37.3	0.1	9.8	0.66	87	53	-3.6	-38.77	26	no change,,,,,,
SEC2GW35	SEC2GW35	2/13/2017 16:15	ADJ	52.8	37.3	0.1	9.8	0.66	87	53	-3.6	-38.77	26	
SEC2GW35	SEC2GW35	3/9/2017 13:01		49.4	36.5	0.5	13.6	0.5	80	46	-4.3	-39.39	26	no change,,,,,,
SEC2GW35	SEC2GW35	3/9/2017 13:01	ADJ	49.4	36.5	0.5	13.6	1.32	80	76	-4.1	-39.39	26	
SEC2GW35	SEC2GW35	4/11/2017 9:42		51.6	39	0	9.4	0.53	78	48	-3.6	-41.15	26	,,,,,,
SEC2GW35	SEC2GW35	4/11/2017 9:42	ADJ	51.6	39	0	9.4	1.78	78	89	-3.9	-41.15	26	
SEC2GW35	SEC2GW35	5/15/2017 9:30		50.2	35.8	0.2	13.8	0.63	90.3	57.2	-3.32	-41.49	26	No Change: :
SEC2GW35	SEC2GW35	5/15/2017 9:30	ADJ	50.2	35.8	0.2	13.8	0.73	90.3	61.4	-3.22	-41.19	26	
SEC2GW35	SEC2GW35	6/1/2017 9:31		43.5	37.3	0	19.2	0.19	84.7	30.7	-8.78	-47.45	26	Closed Valve > 1 turn: :
SEC2GW35	SEC2GW35	6/1/2017 9:31	ADJ	43.5	37.3	0	19.2	0.04	85.3	13.7	-5.07	-47.15	25	
SEC2GW35	SEC2GW35	7/19/2017 13:03		51.6	39.6	0.1	8.7	0.04	95.7	15.1	-2.95	-46.17	25	No Change: :
SEC2GW35	SEC2GW35	7/19/2017 13:03	ADJ	51.6	39.6	0.1	8.7	0.04	95.9	15.1	-2.97	-46.43	25	
SEC2GW35	SEC2GW35	8/9/2017 9:18		48.8	37.6	0.2	13.4	0.05	90.3	16	-3.61	-46.98	25	Closed Valve 1/2 turn or less: :
SEC2GW35	SEC2GW35	8/9/2017 9:18	ADJ	48.8	37.6	0.2	13.4	0.03	90.3	12.7	-2.74	-46.09	24	
SEC2GW35	SEC2GW35	9/22/2017 9:40		56.8	37.1	0	6.1	0.02	90.7	11.2	-2.41	-46.68	24	Opened Valve 1/2 to 1 turn: :
SEC2GW35	SEC2GW35	9/22/2017 9:40	ADJ	56.8	37.1	0	6.1	0.1	91	22.3	-4.98	-47.28	25	
SEC2GW35	SEC2GW35	10/19/2017 16:13		42.2	31.9	0.2	25.7	0.11	89.4	23.9	-8.15	-47.19	25	Closed Valve > 1 turn: :
SEC2GW35	SEC2GW35	10/19/2017 16:13	ADJ	42.2	31.9	0.2	25.7	0.04	89.4	14.9	-5.53	-47.06	23	
SEC2GW35	SEC2GW35	11/16/2017 14:10		58.3	37	0	4.7	0.46	87.6	48.8	-1.87	-48.89	23	Opened Valve 1/2 turn or less: :
SEC2GW35	SEC2GW35	11/16/2017 14:10	ADJ	58.3	37	0	4.7	0.52	89.6	51.4	-3.69	-48.64	24	
SEC2GW35	SEC2GW35	12/7/2017 13:50		49.4	34.4	0.2	16	0.05	85.5	16.2	-3.69	-47.11	24	Closed Valve 1/2 turn or less: :
SEC2GW35	SEC2GW35	12/7/2017 13:50	ADJ	49.4	34.4	0.2	16	0.03	85.1	12.7	-2.58	-46.94	23	
SEC2GW37	SEC2GW37	1/17/2017 11:03		58.8	41.1	0	1	10.7	82	225	-0.7	-38.88	10	,,,,,,
SEC2GW37	SEC2GW37	1/17/2017 11:03	ADJ	58.8	41.1	0	1	10.82	84	226	-1	-38.88	12	
SEC2GW37	SEC2GW37	2/14/2017 7:50		51.1	36.1	0.3	12.5	-0.02	88	---	-0.6	-40.25	12	no change,,,,,,
SEC2GW37	SEC2GW37	2/14/2017 7:50	ADJ	51.1	36.1	0.3	12.5	-0.04	88	---	-0.7	-40.25	12	
SEC2GW37	SEC2GW37	3/9/2017 14:08		43.3	34	1.8	20.9	-0.49	87	---	-0.7	-40.77	11	closed 1/2 turn,,,,,,
SEC2GW37	SEC2GW37	3/9/2017 14:08	ADJ	43.3	34	1.8	20.9	-0.51	87	---	-0.5	-40.77	10	
SEC2GW37	SEC2GW37	4/11/2017 12:46		50.2	36.9	0.4	12.5	-0.14	73	---	-0.4	-42.16	10	,,,,,,
SEC2GW37	SEC2GW37	4/11/2017 12:46	ADJ	50.2	36.9	0.4	12.5	0.03	73	10	-0.4	-42.16	10	
SEC2GW37	SEC2GW37	5/15/2017 10:29		50.3	39.5	0.3	9.9	0.04	99.1	13.5	-0.39	-42.13	10	No Change: :
SEC2GW37	SEC2GW37	5/15/2017 10:29	ADJ	50.3	39.5	0.3	9.9	0.04	99.1	14.3	-0.4	-41.66	10	
SEC2GW37	SEC2GW37	6/1/2017 10:55		50.4	39.5	0.1	10	0.02	100.6	8.8	-0.56	-47.4	10	No Change: :
SEC2GW37	SEC2GW37	6/1/2017 10:55	ADJ	50.4	39.5	0.1	10	0.04	100.8	13.6	-0.55	-48.04	10	
SEC2GW37	SEC2GW37	7/19/2017 14:03		50	39.5	0.3	10.2	0.24	104.4	34.9	-0.78	-47.06	10	No Change: :
SEC2GW37	SEC2GW37	7/19/2017 14:03	ADJ	50	39.5	0.3	10.2	0.24	104.7	35.1	-0.75	-47.06	10	
SEC2GW37	SEC2GW37	8/9/2017 10:06		52.5	42	0.1	5.4	0.09	105.4	21.3	-1.06	-47.53	10	No Change: :
SEC2GW37	SEC2GW37	8/9/2017 10:06	ADJ	52.5	42	0.1	5.4	0.09	105.4	21.1	-1.04	-48.21	10	
SEC2GW37	SEC2GW37	9/22/2017 10:03		53.4	39	0	7.6	0.1	104.4	22.6	-1.14	-46.98	10	No Change: :
SEC2GW37	SEC2GW37	9/22/2017 10:03	ADJ	53.4	39	0	7.6	0.13	104.4	25.3	-1.14	-46.55	10	
SEC2GW37	SEC2GW37	10/19/2017 16:33		50.5	39.4	0	10.1	0.59	102.4	54.9	-1.58	-47.28	10	Closed Valve 1/2 turn or less: :
SEC2GW37	SEC2GW37	10/19/2017 16:33	ADJ	50.5	39.4	0	10.1	0.48	102.2	49.6	-1.19	-47.28	9	
SEC2GW37	SEC2GW37	11/16/2017 15:00		54	34	0.7	11.3	0.1	99.5	22.9	-0.52	-48.77	9	No Change: :
SEC2GW37	SEC2GW37	11/16/2017 15:00	ADJ	54	34	0.7	11.3	0.1	99.5	22.7	-0.52	-49.11	9	
SEC2GW37	SEC2GW37	12/7/2017 14:12		53.1	37.4	0.7	8.8	0.02	96.6	10.4	-0.22	-47.49	9	Closed Valve 1/2 turn or less: :
SEC2GW37	SEC2GW37	12/7/2017 14:12	ADJ	53.1	37.4	0.7	8.8	0.02	96.6	10.4	-0.22	-47.49	8	
SEC2GW37	SEC2GW37	12/7/2017 14:13		53.2	36.7	0.4	9.7	0.02	97.2	10	-0.2	-47.15	8	No Change: :
SEC2GW37	SEC2GW37	12/7/2017 14:13	ADJ	53.2	36.7	0.4	9.7	0.02	97.3	10.4	-0.22	-47.49	8	
SEC2GW38	SEC2GW38	1/17/2017 9:32		60.6	39.2	0.1	1	19.13	91	301	-6.8	-39.29	45	,,,,,,
SEC2GW38	SEC2GW38	1/17/2017 9:32	ADJ	60.6	39.2	0.1	1	11.14	91	229	-7	-39.29	46	
SEC2GW38	SEC2GW38	2/13/2017 15:46		48.7	36.3	0.2	14.8	-0.15	92	---	-6.9	-39.89	46	closed 1//4 turn,,,,,,
SEC2GW38	SEC2GW38	2/13/2017 15:46	ADJ	48.7	36.3	0.2	14.8	-0.12	92	---	-6.9	-39.89	45.5	
SEC2GW38	SEC2GW38	3/9/2017 11:29		57.3	39	0.3	3.4	0.02	87	9	-3.8	-40.84	10	opened 1/2 turn,,,,,,
SEC2GW38	SEC2GW38	3/9/2017 11:29	ADJ	57.3	39	0.3	3.4	0.04	89	13	-5.3	-40.84	11	
SEC2GW38	SEC2GW38	4/11/2017 9:11		55	39.4	0	5.6	0.03	89	11	-4.8	-42.26	11	,,,,,,

Seven Mile Creek Landfill

Gas Extraction Report

Well ID	Alias	Date/Time	ADJ	CH4 (%)	CO2 (%)	O2 (%)	Balance (%)	Diff. Press. (in. H2O)	Temp. (deg. F)	Flow (scfm)	Well Pres. (in. H2O)	Header Pres. (in. H2O)	Valve Setting (% Open)	Comments
SEC2GW38	SEC2GW38	4/11/2017 9:11	ADJ	55	39.4	0	5.6	0.24	89	32	-5.6	-42.26	12	
SEC2GW38	SEC2GW38	5/15/2017 9:06		48.3	38.7	0.1	12.9	0.03	92.5	11.7	-7.09	-43.32	12	No Change: :
SEC2GW38	SEC2GW38	5/15/2017 9:06	ADJ	48.3	38.7	0.1	12.9	0.03	93	12.9	-7.09	-43.15	12	
SEC2GW38	SEC2GW38	6/1/2017 9:04		49	39	0	12	0.06	94.8	16.9	-8.15	-47.79	12	No Change: :
SEC2GW38	SEC2GW38	6/1/2017 9:04	ADJ	49	39	0	12	0.04	94.8	14.9	-8.15	-47.62	12	
SEC2GW38	SEC2GW38	7/19/2017 11:28		48.2	39.8	0.1	11.9	0.05	97	16.1	-9.76	-48.21	12	No Change: :
SEC2GW38	SEC2GW38	7/19/2017 11:28	ADJ	48.2	39.8	0.1	11.9	0.05	97.2	15.1	-9.76	-47.87	12	
SEC2GW38	SEC2GW38	8/9/2017 8:50		49.6	38.8	0.2	11.4	0.05	97.3	15.3	-10.22	-47.02	12	Closed Valve 1/2 turn or less: :
SEC2GW38	SEC2GW38	8/9/2017 8:50	ADJ	49.6	38.8	0.2	11.4	0.03	97.3	11.8	-8.83	-46.77	11	
SEC2GW38	SEC2GW38	9/22/2017 8:57		54.4	36.6	0	9	0	102.4	0	-5.41	-48.51	11	Opened Valve 1/2 to 1 turn: :
SEC2GW38	SEC2GW38	9/22/2017 8:57	ADJ	54.4	36.6	0	9	0	102.7	0	-8.19	-48.68	12	
SEC2GW38	SEC2GW38	10/19/2017 15:34		45.3	35.7	0.2	18.8	0.08	100.9	19.6	-13.43	-47.83	12	Closed Valve 1/2 turn or less: :
SEC2GW38	SEC2GW38	10/19/2017 15:34	ADJ	45.3	35.7	0.2	18.8	0.05	100.8	15.9	-11.53	-47.62	11	
SEC2GW38	SEC2GW38	11/16/2017 13:41		54.9	37	0	8.1	0.07	92.1	19.3	-5.11	-49.19	11	No Change: :
SEC2GW38	SEC2GW38	11/16/2017 13:41	ADJ	54.9	37	0	8.1	0.07	91.9	18.2	-5.19	-49.7	11	
SEC2GW38	SEC2GW38	12/7/2017 13:19		54.9	37.6	0.2	7.3	0.32	80.4	40.8	-4.06	-48	11	No Change: :
SEC2GW38	SEC2GW38	12/7/2017 13:19	ADJ	54.9	37.6	0.2	7.3	0.28	81.3	38	-4.06	-47.53	11	
SEC2GW39	SEC2GW39	1/17/2017 9:37		62.7	36.6	0.6	1	17.64	59	292	-27.6	-38.62	5	,,,,,,
SEC2GW39	SEC2GW39	1/17/2017 9:37	ADJ	62.7	36.6	0.6	1	11.32	60	233	-28.3	-38.62	6	
SEC2GW39	SEC2GW39	2/13/2017 15:50		51.8	34.3	0.2	13.7	-0.02	65	---	-26.4	-39.62	6	no change,,,,,,
SEC2GW39	SEC2GW39	2/13/2017 15:50	ADJ	51.8	34.3	0.2	13.7	-0.03	65	---	-26.4	-39.62	6	
SEC2GW39	SEC2GW39	3/9/2017 12:34		48.7	33.7	0.8	16.8	-0.23	63	---	-24.3	-40.57	5	closed 1//4 turn,,,,,,
SEC2GW39	SEC2GW39	3/9/2017 12:34	ADJ	48.7	33.7	0.8	16.8	-0.23	63	---	-24.4	-40.57	4	
SEC2GW39	SEC2GW39	4/11/2017 9:15		52.8	36.5	0	10.7	-0.31	63	---	-25.2	-41.6	4	,,,,,,
SEC2GW39	SEC2GW39	4/11/2017 9:15	ADJ	52.8	36.5	0	10.7	0.29	63	35	-25.9	-41.6	4	
SEC2GW39	SEC2GW39	5/15/2017 9:10		48.9	35.9	0.4	14.8	0.01	78.4	7.9	-27.7	-42.17	4	No Change: :
SEC2GW39	SEC2GW39	5/15/2017 9:10	ADJ	48.9	35.9	0.4	14.8	0.01	78.4	7	-27.7	-42.17	4	
SEC2GW39	SEC2GW39	6/1/2017 9:08		57.1	38.2	0.4	4.3	0.13	79.5	24.3	-27.7	-46.81	4	Opened Valve > 1 turn: :
SEC2GW39	SEC2GW39	6/1/2017 9:08	ADJ	57.1	38.2	0.4	4.3	0.21	79.7	30.8	-32.64	-46.89	8	
SEC2GW39	SEC2GW39	7/19/2017 11:32		50.1	36.1	0.2	13.6	0.02	86.4	9.9	-36.15	-47.36	8	No Change: :
SEC2GW39	SEC2GW39	7/19/2017 11:32	ADJ	50.1	36.1	0.2	13.6	0.02	86.5	9.1	-35.98	-47.23	8	
SEC2GW39	SEC2GW39	8/9/2017 8:54		44.5	33.5	0.3	21.7	0	83.5	0	-34.8	-46.43	8	Opened Valve 1/2 to 1 turn: :
SEC2GW39	SEC2GW39	8/9/2017 8:54	ADJ	44.5	33.5	0.3	21.7	0.02	83.7	8.9	-29.48	-46.64	10	
SEC2GW39	SEC2GW39	9/22/2017 9:03		59.8	35.7	0.1	4.4	0	83.3	0	-30.74	-47.83	10	Opened Valve 1/2 to 1 turn: :
SEC2GW39	SEC2GW39	9/22/2017 9:03	ADJ	59.8	35.7	0.1	4.4	0	83.1	0	-42.99	-47.57	11	
SEC2GW39	SEC2GW39	10/19/2017 15:52		39.3	30.8	0.5	29.4	0.04	83.5	13.3	-42.27	-47.23	11	Closed Valve > 1 turn: :
SEC2GW39	SEC2GW39	10/19/2017 15:52	ADJ	39.3	30.8	0.5	29.4	0.02	83.7	11	-18.03	-47.19	10	
SEC2GW39	SEC2GW39	11/16/2017 13:46		55	33.8	0.1	11.1	0.16	73.6	27.2	-26.73	-48.77	10	No Change: :
SEC2GW39	SEC2GW39	11/16/2017 13:46	ADJ	55	33.8	0.1	11.1	0.15	73.2	26.6	-26.82	-48.77	10	
SEC2GW39	SEC2GW39	12/7/2017 13:24		58.4	35.4	0.4	5.8	0.02	56.8	8.9	-26.22	-35.06	10	Opened Valve 1/2 to 1 turn: :
SEC2GW39	SEC2GW39	12/7/2017 13:24	ADJ	58.4	35.4	0.4	5.8	0.04	61	13.9	-33.15	-36.38	12	
SEC2GW3A	SEC2GW3A	1/16/2017 16:02		54.3	34.6	0	11.1	1.2	81	73	-14.6	-50.39	31	,,,,,,
SEC2GW3A	SEC2GW3A	1/16/2017 16:02	ADJ	54.3	34.6	0	11.1	-5.95	81	73	-14.6	-50.39	31	
SEC2GW3A	SEC2GW3A	2/13/2017 15:05		54.6	33.9	0.3	11.2	-0.33	83	---	-8.2	-47.06	31	opened 1/4 turn,,,,,,
SEC2GW3A	SEC2GW3A	2/13/2017 15:05	ADJ	54.6	33.9	0.3	11.2	0.14	83	25	-8.3	-47.06	32	
SEC2GW3A	SEC2GW3A	3/9/2017 10:22		56.4	34.3	1	8.3	-0.36	79	---	-11.6	-48.45	33	opened 1/2 turn,,,,,,
SEC2GW3A	SEC2GW3A	3/9/2017 10:22	ADJ	56.4	34.3	1	8.3	-0.12	80	---	-11.8	-48.45	34	
SEC2GW3A	SEC2GW3A	4/11/2017 7:02		56.6	35.3	0.2	7.9	0.07	62	17	-11.3	-49.32	34	,,,,,,
SEC2GW3A	SEC2GW3A	4/11/2017 7:02	ADJ	56.6	35.3	0.2	7.9	0.07	62	17	-11.3	-49.32	35	
SEC2GW3A	SEC2GW3A	5/15/2017 8:18		54.6	35.7	0.5	9.2	0.14	82.9	26.7	-12.04	-49.19	35	Opened Valve 1/2 turn or less: :
SEC2GW3A	SEC2GW3A	5/15/2017 8:18	ADJ	54.6	35.7	0.5	9.2	0.18	82.9	30.5	-12.16	-50.09	36	
SEC2GW3A	SEC2GW3A	6/1/2017 8:18		54.9	37.4	0.3	7.4	0.16	82.8	27.8	-14.86	-52.43	36	Opened Valve 1/2 to 1 turn: :
SEC2GW3A	SEC2GW3A	6/1/2017 8:18	ADJ	54.9	37.4	0.3	7.4	0.22	82.8	32.5	-15.54	-51.66	35	
SEC2GW3A	SEC2GW3A	7/19/2017 10:28		53.4	37.3	0.4	8.9	0.28	86.5	36.6	-15.5	-54.17	35	Opened Valve 1/2 turn or less: :
SEC2GW3A	SEC2GW3A	7/19/2017 10:28	ADJ	53.4	37.3	0.4	8.9	0.31	86.9	38.7	-15.84	-54.21	36	
SEC2GW3A	SEC2GW3A	8/9/2017 8:03		53.2	36.6	1.1	9.1	0.3	87.8	37.9	-15.96	-52.55	36	No Change: :
SEC2GW3A	SEC2GW3A	8/9/2017 8:03	ADJ	53.2	36.6	1.1	9.1	0.36	87.8	42	-15.96	-52.51	36	
SEC2GW3A	SEC2GW3A	9/22/2017 7:48		40.7	31.7	2.2	25.4	0	96.8	0	-44.93	-53.96	36	Closed Valve > 1 turn: :
SEC2GW3A	SEC2GW3A	9/22/2017 7:48	ADJ	40.7	31.7	2.2	25.4	0	97	0	-42.57	-55.15	35	
SEC2GW3A	SEC2GW3A	10/19/2017 13:43		41.5	31.3	1.9	25.3	0.39	93.9	40.1	-43.12	-52.51	35	Closed Valve > 1 turn: :
SEC2GW3A	SEC2GW3A	10/19/2017 13:43	ADJ	41.5	31.3	1.9	25.3	0.18	93.9	27.6	-40.96	-54.94	34	
SEC2GW3A	SEC2GW3A	11/16/2017 9:45		38.9	27.2	3	30.9	0.52	91.8	47	-38.68	-56.26	34	Closed Valve > 1 turn: :
SEC2GW3A	SEC2GW3A	11/16/2017 9:45	ADJ	38.9	27.2	3	30.9	0.22	90.3	31.2	-31.12	-56.51	32	
SEC2GW3A	SEC2GW3A	12/7/2017 11:24		44.5	29.3	2.6	23.6	0.11	92.7	22.6	-15.2	-57.15	32	Closed Valve > 1 turn: :
SEC2GW3A	SEC2GW3A	12/7/2017 11:24	ADJ	44.5	29.3	2.6	23.6	0.02	90.1	9.4	-13.3	-55.45	10	
SEC2GW3A	SEC2GW3A	12/21/2017 15:37		49.9	33.2	1.6	15.3	0.3	81.3	39.8	-2.77	-56.64	32	Closed Valve 1/2 to 1 turn: :
SEC2GW3A	SEC2GW3A	12/21/2017 15:37	ADJ	49.9	33.2	1.6	15.3	0.3	79.5	39.8	-2.48	-56.04	30	
SEC2GW41	SEC2GW41	1/17/2017 9:47		59.1	40.5	0.2	0.2	16.12	63	270	-37	-38.32	8	,,,,,,
SEC2GW41	SEC2GW41	1/17/2017 9:47	ADJ	59.1	40.5	0.2	0.2	11.34	62	225	-37.7	-38.32	9	
SEC2GW41	SEC2GW41	2/13/2017 16:00		59.3	40.5	0	0.2	-0.01	71	---	-37.8	-39.21	9	opened 1/2 turn,,,,,,
SEC2GW41	SEC2GW41	2/13/2017 16:00	ADJ	59.3	40.5	0	0.2	-0.02	71	---	-38.3	-39.21	9.5	
SEC2GW41	SEC2GW41	3/9/2017 12:46		59.5	40	0.3	0.2	0.06	72	14	-38.9	-39.94	10	opened 1/2 turn,,,,,,
SEC2GW41	SEC2GW41	3/9/2017 12:46	ADJ	59.5	40	0.3	0.2	0.06	72	15	-39.2	-39.94	11	
SEC2GW41	SEC2GW41	4/11/2017 9:25		59.3	40.5	0.1	1	-0.01	65	---	-40.6	-41.38	11	,,,,,,
SEC2GW41	SEC2GW41	4/11/2017 9:25	ADJ	59.3	40.5	0.1	1	-0.01	65	---	0	-41.38	13	
SEC2GW41	SEC2GW41	4/14/2017 12:50		59.7	40.1	0	0.2	0.07	70	16	-40.1	-40.37	11	,,,,,,
SEC2GW41	SEC2GW41	4/14/2017 12:50	ADJ	59.7	40.1	0	0.2	0.07	70	16	-40.2	-40.37	13	
SEC2GW41	SEC2GW41	5/15/2017 9:18		58.4	39.3	0.4	1.9	0.02	81.9	10.1	-41.89	-42.17	13	Opened Valve > 1 turn: :
SEC2GW41	SEC2GW41	5/15/2017 9:18	ADJ	58.4	39.3	0.4	1.9	0.02	82	8.5	-41.89	-41.83	14	
SEC2GW41	SEC2GW41	6/1/2017 9:17		57.3	40.5	0.2	2	0.01	84.4	7.6	-46.33	-46.81	14	Opened Valve > 1 turn: :
SEC2GW41	SEC2GW41	6/1/2017 9:17	ADJ	57.3	40.5	0.2	2	0.01	84.4	7	-46.49	-46.68	15	
SEC2GW41	SEC2GW41	7/19/2017 11:39		55.7	39.1	0.7	4.5	0.02	87.6	9.6	-47.3	-47.28	15	Opened Valve 1/2 to 1 turn: :
SEC2GW41	SEC2GW41	7/19/2017 11:39	ADJ	55.7	39.1	0.7	4.5	0.02	87.8	8.8	-47	-46.94	17	
SEC2GW41	SEC2GW41	8/9/2017 9:03		53.9	39.3	0.9	5.9	0.02	87.8	10	-45.73	-45.83	17	No Change: :
SEC2GW41	SEC2GW41	8/9/2017 9:03	ADJ	53.9	39.3	0.9	5.9	0.03	87.8	10.6	-45.73	-45.96	17	
SEC2GW41	SEC2GW41	9/22/2017 9:15		58.6	39.9	0	1.5	0	85.5	0	-45.95	-46.47	17	Opened Valve 1/2 turn or less: :
SEC2GW41	SEC2GW41	9/22/2017 9:15	ADJ	58.6	39.9	0	1.5	0	86	0	-46.62	-47.32	18	
SEC2GW41	SEC2GW41	10/19/2017 16:00		57.9	36.1	0.7	5.3	0.05	86.2	14.3	-46.33	-46.85	18	Opened Valve 1/2 to 1 turn: :
SEC2GW41	SEC2GW41	10/19/2017 16:00	ADJ	57.9	36.1	0.7	5.3	0.04	86.2	12.2	-46.71	-46.89	19	
SEC2GW41	SEC2GW41	11/16/2017 13:55		58.6	36.6	0.2	4.6	0.17	81	26.6	-48.02	-48.3	19	Opened Valve 1/2 to 1 turn: :
SEC2GW41	SEC2GW41	11/16/2017 13:55	ADJ	58.6	36.6	0.2	4.6	0.18	81	26.9	-48.18	-48.34	21	
SEC2GW41	SEC2GW41	12/7/2017 13:34		57.2	36.3	0.2	6.3	0.05	79	14.1	-46.62	-46.81	21	Opened Valve > 1 turn: :
SEC2GW41	SEC2GW41	12/7/2017 13:34	ADJ	57.2	36.3	0.2	6.3	0.05	79.2	14.4	-46.62	-46.85	80	
SEC2GW42	SEC2GW42	1/17/2017 9:51		59.1	40.8	0	1	16.12	53	784	-38.4	-38.32	100	,,,,,,
SEC2GW42	SEC2GW42	1/17/2017 9:51	ADJ	59.1	40.8	0	1	11.33	54	655	-38.2	-38.32	100	
SEC2GW42	SEC2GW42	2/13/2017 16:04		59.5	40.4	0	1	-0.23	60	---	-38.9	-39.08	100	no change,,,,,,
SEC2GW42	SEC2GW42	2/13/2017 16:04	ADJ	59.5	40.4	0	1	0	60	---	-39	-39.08	100	
SEC2GW42	SEC2GW42	3/9/2017 12:50		59.7	39.9	0.2	0.2	-0.33	53	---	-40	-40.05	100	no change,,,,,,
SEC2GW42	SEC2GW42	3/9/2017 12:50	ADJ	59.7	39.9	0.2	0.2	0.09	52	57	-39.8	-40.05	100	
SEC2GW42	SEC2GW42	4/11/2017 9:31		59.3	40.5	0	0.2	0.23	50	90	-41.5	-40.37	100	,,,,,,
SEC2GW42	SEC2GW42	4/11/2017 9:31	ADJ	59.3	40.5	0	0.2	-0.21	50	90	-41	-40.37	100	
SEC2GW42	SEC2GW42	5/15/2017 9:22		51.5	37.8	0.3	10.4	0	81.3	0	-42.23	-42.17	100	Valve completely open: :
SEC2GW42	SEC2GW42	5/15/2017 9:22	ADJ	51.5	37.8	0.3	10.4	0.36	81.5	39.3	-42.23	-41.79	100	
SEC2GW42	SEC2GW42	6/1/2017 9:20		53.4	38.9	0.2	7.5	0.04	84.4	12.5	-46.28	-46.6	100	Valve completely open: :
SEC2GW42	SEC2GW42	6/1/2017 9:20	ADJ	53.4	38.9	0.2	7.5	0.38	84.6	39.9	-46.33	-46.3	100	
SEC2GW42	SEC2GW42	7/19/2017 11:44		54.7	39.8	0.3	5.2	0.06	89.6	15.9	-47	-47.45	100	Valve completely open: :

Seven Mile Creek Landfill

Gas Extraction Report

Well ID	Alias	Date/Time	ADJ	CH4 (%)	CO2 (%)	O2 (%)	Balance (%)	Diff. Press. (in. H2O)	Temp. (deg. F)	Flow (scfm)	Well Pres. (in. H2O)	Header Pres. (in. H2O)	Valve Setting (% Open)	Comments
SEC2GW42	SEC2GW42	7/19/2017 11:44	ADJ	54.7	39.8	0.3	5.2	0.03	89.8	11.6	-47	-46.94	100	
SEC2GW42	SEC2GW42	8/9/2017 9:07		53.2	37.7	0.5	8.6	0.03	89.1	10.6	-46.03	-45.83	100	Valve completely open: :
SEC2GW42	SEC2GW42	8/9/2017 9:07	ADJ	53.2	37.7	0.5	8.6	0.17	89.2	26.2	-45.78	-45.62	100	
SEC2GW42	SEC2GW42	9/22/2017 9:26		59.1	36.5	0.1	4.3	0.08	86.7	18.4	-46.96	-47.28	100	Valve completely open: :
SEC2GW42	SEC2GW42	9/22/2017 9:26	ADJ	59.1	36.5	0.1	4.3	0.13	86.9	23.5	-46.96	-47.4	100	
SEC2GW42	SEC2GW42	10/19/2017 16:04		53.8	32.4	0.6	13.2	0.01	86.9	7	-46.66	-46.85	100	Valve completely open: :
SEC2GW42	SEC2GW42	10/19/2017 16:04	ADJ	53.8	32.4	0.6	13.2	0.02	86.9	8.6	-46.79	-47.19	100	
SEC2GW42	SEC2GW42	11/16/2017 14:00		60.2	31.7	0.7	7.4	0.3	76.1	35.4	-48.06	-48.64	100	Valve completely open: :
SEC2GW42	SEC2GW42	11/16/2017 14:00	ADJ	60.2	31.7	0.7	7.4	0.09	75.9	19.5	-48.27	-48.81	100	
SEC2GW42	SEC2GW42	12/7/2017 13:39		54.4	33.7	0.3	11.6	0.13	72.3	23.1	-46.75	-46.77	100	Valve completely open: :
SEC2GW42	SEC2GW42	12/7/2017 13:39	ADJ	54.4	33.7	0.3	11.6	0.28	72.1	34.2	-46.92	-46.72	100	
SEC2GW44	SEC2GW44	1/17/2017 14:07		58.2	41.7	0	1	16.27	110	261	-36.9	-37.43	100	,,,,,,
SEC2GW44	SEC2GW44	1/17/2017 14:07	ADJ	58.2	41.7	0	1	12.25	110	226	-37	-37.43	100	
SEC2GW44	SEC2GW44	2/14/2017 10:27		59.8	39.6	0.4	0.2	0.03	108	11	-39.1	-39.55	100	,,,,,,
SEC2GW44	SEC2GW44	2/14/2017 10:27	ADJ	59.8	39.6	0.4	0.2	0.25	108	30	-39.1	-39.55	100	
SEC2GW44	SEC2GW44	3/10/2017 8:27		60.1	38.6	1	0.3	0.12	108	20	-40	-40.31	100	no change,,,,,,
SEC2GW44	SEC2GW44	3/10/2017 8:27	ADJ	60.1	38.6	1	0.3	0.01	108	5	-39.9	-40.31	100	
SEC2GW44	SEC2GW44	4/11/2017 15:08		58.8	41	0	0.2	0.18	108	26	-40.3	-40.62	100	,,,,,,
SEC2GW44	SEC2GW44	4/11/2017 15:08	ADJ	58.8	41	0	0.2	0.13	108	22	-40.4	-40.62	100	
SEC2GW44	SEC2GW44	5/15/2017 13:24		56	40.2	0.3	3.5	0.14	110.1	23.5	-41.81	-41.57	100	Valve completely open: :
SEC2GW44	SEC2GW44	5/15/2017 13:24	ADJ	56	40.2	0.3	3.5	0.13	110.1	23.1	-42.23	-41.53	100	
SEC2GW44	SEC2GW44	6/1/2017 16:15		56.1	38.5	0.2	5.2	0.15	109.8	24.5	-46.62	-46.3	100	Valve completely open: :
SEC2GW44	SEC2GW44	6/1/2017 16:15	ADJ	56.1	38.5	0.2	5.2	0.15	109.8	24.2	-46.62	-46.77	100	
SEC2GW44	SEC2GW44	7/19/2017 16:15		53.9	40.4	0.3	5.4	0.17	110.1	25.8	-45.65	-45.83	100	Valve completely open: :
SEC2GW44	SEC2GW44	7/19/2017 16:15	ADJ	53.9	40.4	0.3	5.4	0.13	109.9	23	-45.61	-45.74	100	
SEC2GW44	SEC2GW44	8/9/2017 13:10		54.4	40.8	0.5	4.3	0.15	109.4	24.3	-46.41	-46.55	100	Valve completely open: :
SEC2GW44	SEC2GW44	8/9/2017 13:10	ADJ	54.4	40.8	0.5	4.3	0.1	109.4	19.5	-46.37	-46.21	100	
SEC2GW44	SEC2GW44	9/22/2017 14:26		54.4	35.7	0.2	9.7	0.13	110.3	22.6	-45.65	-45.96	100	
SEC2GW44	SEC2GW44	9/22/2017 14:26	ADJ	54.4	35.7	0.2	9.7	0.12	110.3	21.6	-45.65	-46.09	100	
SEC2GW44	SEC2GW44	10/20/2017 13:50		55.1	41.3	0.4	3.2	0.11	112.3	20.9	-45.65	-45.96	100	No Change,Valve completely open: :
SEC2GW44	SEC2GW44	10/20/2017 13:50	ADJ	55.1	41.3	0.4	3.2	0.13	112.3	23	-45.82	-45.96	100	
SEC2GW44	SEC2GW44	11/17/2017 10:38		58	40.7	0.3	1	0.15	111.2	24.5	-47	-47.28	100	Valve completely open: :
SEC2GW44	SEC2GW44	11/17/2017 10:38	ADJ	58	40.7	0.3	1	0.15	111.2	24.6	-46.96	-47.32	100	
SEC2GW44	SEC2GW44	12/8/2017 10:15		57.1	40.2	0.4	2.3	0.16	107.4	24.9	-48.06	-47.66	100	Valve completely open: :
SEC2GW44	SEC2GW44	12/8/2017 10:15	ADJ	57.1	40.2	0.4	2.3	0.14	107.4	23.6	-48.06	-47.91	100	
SEC2GW45	SEC2GW45	1/17/2017 14:33		50.7	34.4	2.7	12.2	22.42	123	319	-4.9	-39.8	45	,,,,,,
SEC2GW45	SEC2GW45	1/17/2017 14:33	ADJ	50.7	34.4	2.7	12.2	14.31	122	254	-4.9	-39.8	45	
SEC2GW45	SEC2GW45	2/14/2017 10:01		52.9	36.9	0.3	9.9	2.62	125	104	-5.2	-41.66	35	no change,,,,,,
SEC2GW45	SEC2GW45	2/14/2017 10:01	ADJ	52.9	36.9	0.3	9.9	3.05	125	113	-4.8	-41.66	35	
SEC2GW45	SEC2GW45	3/9/2017 15:46		47.2	35.2	1	16.6	3.33	127	116	-5	-43.06	34	closed 1//4 turn,,,,,,
SEC2GW45	SEC2GW45	3/9/2017 15:46	ADJ	47.2	35.2	1	16.6	2.85	128	108	-4.9	-43.06	33	
SEC2GW45	SEC2GW45	4/11/2017 14:04		47.4	34.7	0.9	17	3.26	130	115	-4.7	-44.66	33	,,,,,,
SEC2GW45	SEC2GW45	4/11/2017 14:04	ADJ	47.4	34.7	0.9	17	2.29	130	96	-3.9	-44.66	31	
SEC2GW45	SEC2GW45	5/15/2017 11:53		42.3	34.5	1.4	21.8	1.93	137.5	95.7	-4.36	-45.36	0	Closed Valve > 1 turn: :
SEC2GW45	SEC2GW45	5/15/2017 11:53	ADJ	42.3	34.5	1.4	21.8	1.04	137.7	70.4	-2.87	-44.89	0	
SEC2GW45	SEC2GW45	5/17/2017 10:26		50.2	38.5	0.6	10.7	0.86	135.1	64.8	-1.64	-48.17	25	Closed Valve > 1 turn: :
SEC2GW45	SEC2GW45	5/17/2017 10:26	ADJ	50.2	38.5	0.6	10.7	0.24	132.6	34.4	-0.21	-47.79	12	
SEC2GW45	SEC2GW45	5/17/2017 14:55		57.6	41	0.2	1.2	0.24	129.7	34.3	0.03	-47.36	32	Closed Valve > 1 turn: :
SEC2GW45	SEC2GW45	5/17/2017 14:55	ADJ	57.6	41	0.2	1.2	0.09	128.1	21.3	0.35	-45.91	25	
SEC2GW45	SEC2GW45	5/17/2017 14:58		58.1	41.9	0	0	0.12	127.8	24.2	0.46	-47.49	31	Opened Valve 1/2 to 1 turn: :
SEC2GW45	SEC2GW45	5/17/2017 14:58	ADJ	58.1	41.9	0	0	0.38	130.1	43.3	-0.12	-48.85	32	
SEC2GW45	SEC2GW45	6/1/2017 15:24		55.4	40.9	0	3.7	0.09	129.4	20.9	0.22	-47.4	32	Closed Valve 1/2 to 1 turn: :
SEC2GW45	SEC2GW45	6/1/2017 15:24	ADJ	55.4	40.9	0	3.7	0.06	129.2	17	0.28	-46.55	31	
SEC2GW45	SEC2GW45	6/16/2017 7:05		56.9	40	0	3.1	0.17	128.1	28.8	0.26	-47.87	11	Opened Valve 1/2 turn or less: :
SEC2GW45	SEC2GW45	6/16/2017 7:05	ADJ	56.9	40	0	3.1	0.22	129.9	32.9	-0.08	-49.19	10	
SEC2GW45	SEC2GW45	7/19/2017 15:16		56.6	43.4	0	0	0.22	119.8	32.9	-0.05	-48.98	32	No Change: :
SEC2GW45	SEC2GW45	7/19/2017 15:16	ADJ	56.6	43.4	0	0	0.23	126	34	-0.05	-47.83	32	
SEC2GW45	SEC2GW45	8/9/2017 11:14		55.1	44.7	0.2	0	0.17	129.9	29.2	-0.03	-48.17	32	No Change: :
SEC2GW45	SEC2GW45	8/9/2017 11:14	ADJ	55.1	44.7	0.2	0	0.17	132.3	28.9	-0.05	-48.38	32	
SEC2GW45	SEC2GW45	8/10/2017 8:52		57.5	40	0.2	2.3	0.24	120.7	34.5	-0.03	-50.43	32	Opened Valve 1/2 to 1 turn: :
SEC2GW45	SEC2GW45	8/10/2017 8:52	ADJ	57.5	40	0.2	2.3	0.14	121.6	26.6	-0.21	-50.6	35	
SEC2GW45	SEC2GW45	9/22/2017 12:57		57.2	39.4	0	3.4	0.13	120	25.4	0.29	-46.89	35	Opened Valve > 1 turn: :
SEC2GW45	SEC2GW45	9/22/2017 12:57	ADJ	57.2	39.4	0	3.4	0	130.1	0	-0.14	-50.17	36	
SEC2GW45	SEC2GW45	10/20/2017 9:36		56.8	43.2	0	0	0.01	115	8.5	0.59	-46.98	36	Opened Valve 1/2 to 1 turn: :
SEC2GW45	SEC2GW45	10/20/2017 9:36	ADJ	56.8	43.2	0	0	0.03	120.7	12.3	0.51	-47.23	37	
SEC2GW45	SEC2GW45	10/20/2017 17:16		56.6	43.4	0	0	0.02	125.6	9.2	0.51	-47.79	36	Opened Valve 1/2 to 1 turn: :
SEC2GW45	SEC2GW45	10/20/2017 17:16	ADJ	56.6	43.4	0	0	0.22	132.3	32.6	-0.03	-48.68	37	
SEC2GW45	SEC2GW45	11/17/2017 10:06		57.3	42.7	0	0	0.48	129.6	48.6	-0.45	-50.13	39	Opened Valve 1/2 turn or less: :
SEC2GW45	SEC2GW45	11/17/2017 10:06	ADJ	57.3	42.7	0	0	0.58	130.3	53.6	-0.56	-49.7	40	
SEC2GW45	SEC2GW45	12/7/2017 16:10		59.1	38.7	0.2	2	0.22	129.6	33.1	-0.23	-48.38	40	Opened Valve 1/2 turn or less: :
SEC2GW45	SEC2GW45	12/7/2017 16:10	ADJ	59.1	38.7	0.2	2	0.46	131.4	47.6	-0.73	-48.72	41	
SEC2GW45	SEC2GW45	12/19/2017 11:22		47.3	37	1.2	14.5	1.4	132.4	82.3	-2.93	-52.55	40	
SEC2GW45	SEC2GW45	12/19/2017 11:22	ADJ	47.3	37	1.2	14.5	1.3	132.6	79.2	-3.04	-55.23	39	
SEC2GW52	SEC2GW52	1/17/2017 14:19		58.6	40.5	0	0.9	15.93	108	260	-36.2	-36.73	95	,,,,,,
SEC2GW52	SEC2GW52	1/17/2017 14:19	ADJ	58.6	40.5	0	0.9	12.35	109	228	-36.2	-36.73	100	
SEC2GW52	SEC2GW52	2/14/2017 10:18		55.6	39.1	0	5.3	0.08	103	17	-38.3	-38.73	100	no change,,,,,,
SEC2GW52	SEC2GW52	2/14/2017 10:18	ADJ	55.6	39.1	0	5.3	0.06	102	14	-38.4	-38.73	100	
SEC2GW52	SEC2GW52	3/10/2017 8:15		53.5	40	0.1	6.4	0.12	98	20	-39.3	-39.39	100	no change,,,,,,
SEC2GW52	SEC2GW52	3/10/2017 8:15	ADJ	53.5	40	0.1	6.4	0.05	98	14	-39.4	-39.39	100	
SEC2GW52	SEC2GW52	4/11/2017 14:56		57.1	40.1	0	2.8	0.07	83	15	-40	-40.18	100	,,,,,,
SEC2GW52	SEC2GW52	4/11/2017 14:56	ADJ	57.1	40.1	0	2.8	0.05	83	14	-39.9	-40.18	100	
SEC2GW52	SEC2GW52	5/15/2017 13:15		47.3	36.9	0.2	15.6	0.09	115.9	18.9	-41.22	-40.81	100	Closed Valve 1/2 turn or less: :
SEC2GW52	SEC2GW52	5/15/2017 13:15	ADJ	47.3	36.9	0.2	15.6	0.08	115.9	17.9	-41.3	-40.81	100	
SEC2GW52	SEC2GW52	6/1/2017 15:58		46.2	38.7	0.2	14.9	0.08	116.2	17.5	-45.61	-46.21	100	Closed Valve > 1 turn: :
SEC2GW52	SEC2GW52	6/1/2017 15:58	ADJ	46.2	38.7	0.2	14.9	0.06	116.1	15	-45.48	-45.96	99	
SEC2GW52	SEC2GW52	7/19/2017 16:00		49.5	39.4	0.3	10.8	0.1	115.7	19.9	-44.93	-45.23	99	No Change: :
SEC2GW52	SEC2GW52	7/19/2017 16:00	ADJ	49.5	39.4	0.3	10.8	0.03	115.5	11.2	-44.89	-45.23	99	
SEC2GW52	SEC2GW52	8/9/2017 12:58		49.6	38.6	0.7	11.1	0.07	114.1	16.6	-45.73	-44.6	99	Closed Valve 1/2 to 1 turn: :
SEC2GW52	SEC2GW52	8/9/2017 12:58	ADJ	49.6	38.6	0.7	11.1	0.07	113.7	16.2	-45.73	-44.94	97	
SEC2GW52	SEC2GW52	9/26/2017 11:17		52.8	32.5	0.1	14.6	0.07	111.6	16.9	-44.97	-45.62	97	No Change: :
SEC2GW52	SEC2GW52	9/26/2017 11:17	ADJ	52.8	32.5	0.1	14.6	0.06	111.7	16.1	-44.97	-45.62	97	
SEC2GW52	SEC2GW52	10/20/2017 13:38		46	37	2.8	14.2	0.05	110.1	14.7	-44.97	-45.23	97	Closed Valve 1/2 turn or less: :
SEC2GW52	SEC2GW52	10/20/2017 13:38	ADJ	46	37	2.8	14.2	0.05	109.9	14.8	-45.02	-45.28	96	
SEC2GW52	SEC2GW52	11/17/2017 16:16		43	34.6	1.8	20.6	0.07	92	17.5	-45.95	-46.64	96	Closed Valve 1/2 turn or less: :
SEC2GW52	SEC2GW52	11/17/2017 16:16	ADJ	43	34.6	1.8	20.6	0.06	92	17.6	-45.73	-46.51	95	
SEC2GW52	SEC2GW52	12/8/2017 10:03		42.6	34.5	2.5	20.4	0.07	104	16.9	-47.04	-47.15	95	Closed Valve 1/2 to 1 turn: :
SEC2GW52	SEC2GW52	12/8/2017 10:03	ADJ	42.6	34.5	2.5	20.4	0.07	104.5	16.5	-46.71	-47.11	45	
SEC2GW52	SEC2GW52	12/21/2017 15:22		42.6	32.9	2	22.5	0.09	104.7	18.9	-47.26	-50.72	95	Closed Valve 1/2 to 1 turn: :
SEC2GW52	SEC2GW52	12/21/2017 15:22	ADJ	42.6	32.9	2	22.5	0.02	103.8	10.1	-43.58	-50.47	93	
SEC2GW53	SEC2GW53	1/17/2017 14:23		58.9	41	0	1	21.71	115	311	-16.6	-36.53	40	,,,,,,
SEC2GW53	SEC2GW53	1/17/2017 14:23	ADJ	58.9	41	0	1	13.38	115	243	-16.7	-36.53	40	
SEC2GW53	SEC2GW53	2/14/2017 10:14		56.9	40.6	0	2.5	2	117	90	-17.2	-38.71	40	opened 1/4 turn,,,,,,
SEC2GW53	SEC2GW53	2/14/2017 10:14	ADJ	56.9	40.6	0	2.5	2.04	117	91	-17.2	-38.71	41	
SEC2GW53	SEC2GW53	3/10/2017 8:10		59.1	40.8	0	1	1.93	116	88	-22.4	-39.32	42	opened 1/2 turn,,,,,,
SEC2GW53	SEC2GW53	3/10/2017 8:10	ADJ	59.1	40.8	0	1	1.76	116	84	-22.8	-39.32	43	
SEC2GW53	SEC2GW53	4/11/2017 14:51		59.3	40.6	0	1	1.62	95	82	-23.4	-40.3	43	,,,,,,

Seven Mile Creek Landfill

Gas Extraction Report

Well ID	Alias	Date/Time	ADJ	CH4 (%)	CO2 (%)	O2 (%)	Balance (%)	Diff. Press. (in. H2O)	Temp. (deg. F)	Flow (scfm)	Well Pres. (in. H2O)	Header Pres. (in. H2O)	Valve Setting (% Open)	Comments
SEC2GW53	SEC2GW53	4/11/2017 14:51	ADJ	59.3	40.6	0	1	1.75	95	85	-23.5	-40.3	45	
SEC2GW53	SEC2GW53	5/15/2017 13:10		51.1	39.1	0.2	9.6	2.17	118.8	97.6	-26.01	-41.45	45	No Change: :
SEC2GW53	SEC2GW53	5/15/2017 13:10	ADJ	51.1	39.1	0.2	9.6	1.99	118.8	93.4	-25.55	-40.26	45	
SEC2GW53	SEC2GW53	6/1/2017 15:54		52.3	40.4	0	7.3	2.26	118.4	98.6	-28.8	-46.43	45	No Change: :
SEC2GW53	SEC2GW53	6/1/2017 15:54	ADJ	52.3	40.4	0	7.3	1.92	118.6	90.9	-28.97	-45.23	45	
SEC2GW53	SEC2GW53	7/19/2017 15:56		51.8	40.8	0.1	7.3	2.13	118	95.7	-28.67	-45.45	45	No Change: :
SEC2GW53	SEC2GW53	7/19/2017 15:56	ADJ	51.8	40.8	0.1	7.3	2.18	118.2	96.9	-28.38	-44.81	45	
SEC2GW53	SEC2GW53	8/9/2017 12:53		52.9	39.8	0.2	7.1	2.09	118	94.9	-28.46	-46.13	45	No Change: :
SEC2GW53	SEC2GW53	8/9/2017 12:53	ADJ	52.9	39.8	0.2	7.1	2.09	118	94.9	-28.46	-46.13	45	
SEC2GW53	SEC2GW53	9/22/2017 14:13		50.3	37.2	0	12.5	2.17	118.9	97	-27.66	-43.91	45	No Change: :
SEC2GW53	SEC2GW53	9/22/2017 14:13	ADJ	50.3	37.2	0	12.5	1.44	119.1	79.1	-27.45	-43.7	45	
SEC2GW53	SEC2GW53	10/20/2017 13:32		54.2	39.9	0.2	5.7	1.7	120	85.3	-30.19	-44.34	45	No Change: :
SEC2GW53	SEC2GW53	10/20/2017 13:32	ADJ	54.2	39.9	0.2	5.7	1.56	120	81.5	-30.11	-45.57	45	
SEC2GW53	SEC2GW53	11/17/2017 10:22		54.3	37.6	0.3	7.8	1.9	118.9	90.7	-29.39	-46.81	45	No Change: :
SEC2GW53	SEC2GW53	11/17/2017 10:22	ADJ	54.3	37.6	0.3	7.8	1.9	118.9	90.7	-29.39	-46.81	45	
SEC2GW53	SEC2GW53	12/8/2017 9:58		48.1	38.4	0.4	13.1	1.86	121.3	89.5	-28.42	-47.15	45	Closed Valve 1/2 to 1 turn: :
SEC2GW53	SEC2GW53	12/8/2017 9:58	ADJ	48.1	38.4	0.4	13.1	1.43	121.3	78.8	-26.35	-47.87	42	
SEC2GW5A	SEC2GEW5	1/16/2017 16:44		55.9	35.6	2	6.5	1.22	66	75	-12.7	-47.37	15	,,,,,,
SEC2GW5A	SEC2GEW5	1/16/2017 16:44	ADJ	55.9	35.6	2	6.5	-5.83	66	75	-12.7	-47.37	15	
SEC2GW5A	SEC2GEW5	2/13/2017 15:23		52.5	34.9	2.1	10.5	0.1	69	20	-8.4	-44.85	15	no change,,,,,,
SEC2GW5A	SEC2GEW5	2/13/2017 15:23	ADJ	52.5	34.9	2.1	10.5	0.09	69	20	-8.5	-44.85	15	
SEC2GW5A	SEC2GEW5	3/9/2017 10:55		49.1	33.7	3.5	13.7	0.06	66	15	-11	-46.43	11	closed 1/2 turn,,,,,,
SEC2GW5A	SEC2GEW5	3/9/2017 10:55	ADJ	49.1	33.7	3.5	13.7	0.1	65	20	-10.9	-46.43	10	
SEC2GW5A	SEC2GEW5	4/11/2017 8:40		47.1	32.7	4.6	15.6	0.05	60	14	-11.9	-46.25	10	,,,,,,
SEC2GW5A	SEC2GEW5	4/11/2017 8:40	ADJ	47.1	32.7	4.6	15.6	-0.01	60	14	-10.9	-46.25	9	
SEC2GW5A	SEC2GEW5	5/18/2017 14:33		52.3	36.7	2	9	0.06	72.9	17.5	-10.14	-51.02	9	No Change: :
SEC2GW5A	SEC2GEW5	5/18/2017 14:33	ADJ	52.3	36.7	2	9	0.06	72.9	18.2	-10.14	-51.23	9	
SEC2GW5A	SEC2GEW5	6/1/2017 8:37		49.4	35	3.3	12.3	0.04	75	15.2	-7.77	-51.32	9	Closed Valve 1/2 turn or less: :
SEC2GW5A	SEC2GEW5	6/1/2017 8:37	ADJ	49.4	35	3.3	12.3	0.04	75.6	13.6	-7.43	-50.77	8	
SEC2GW5A	SEC2GEW5	7/19/2017 11:07		55.4	41.2	0.1	3.3	0.05	79.9	15.6	-7.77	-52.13	8	Opened Valve 1/2 to 1 turn: :
SEC2GW5A	SEC2GEW5	7/19/2017 11:07	ADJ	55.4	41.2	0.1	3.3	0.11	79.7	23.7	-8.78	-52.26	10	
SEC2GW5A	SEC2GEW5	8/9/2017 8:23		56.6	40.8	0.3	2.3	0.09	75.6	21.3	-14.95	-51.32	10	Opened Valve 1/2 to 1 turn: :
SEC2GW5A	SEC2GEW5	8/9/2017 8:23	ADJ	56.6	40.8	0.3	2.3	0.14	75.4	26.5	-15.75	-50.3	11	
SEC2GW5A	SEC2GEW5	9/22/2017 8:28		59.4	40.6	0	0	0	76.8	0	-19.55	-52.64	11	Opened Valve > 1 turn: :
SEC2GW5A	SEC2GEW5	9/22/2017 8:28	ADJ	59.4	40.6	0	0	0	76.8	0	-23.65	-52.21	12	
SEC2GW5A	SEC2GEW5	10/19/2017 14:43		58.2	40.5	0.2	1.1	0.07	76.8	17.4	-35.9	-51.62	12	Opened Valve > 1 turn: :
SEC2GW5A	SEC2GEW5	10/19/2017 14:43	ADJ	58.2	40.5	0.2	1.1	0.15	76.6	25.7	-36.74	-51.19	13	
SEC2GW5A	SEC2GEW5	11/16/2017 12:50		58	38.8	0.1	3.1	0.49	73.2	46.3	-40.84	-52.55	13	Opened Valve 1/2 turn or less: :
SEC2GW5A	SEC2GEW5	11/16/2017 12:50	ADJ	58	38.8	0.1	3.1	0.66	73.4	53.4	-41.55	-52.26	14	
SEC2GW5A	SEC2GEW5	12/7/2017 12:47		54.2	37.5	0.3	8	0.21	71.1	30.5	-40.92	-47.57	14	No Change: :
SEC2GW5A	SEC2GEW5	12/7/2017 12:47	ADJ	54.2	37.5	0.3	8	0.3	71.2	36.4	-40.96	-47.74	14	
SEC2GW60	SEC2GW60	1/17/2017 14:27		53.7	38	0	8.3	18.9	112	288	-18.5	-38.73	25	,,,,,,
SEC2GW60	SEC2GW60	1/17/2017 14:27	ADJ	53.7	38	0	8.3	11.83	113	227	-18.5	-38.73	25	
SEC2GW60	SEC2GW60	2/14/2017 10:10		48.5	36.6	0	14.9	0.52	115	45	-19.2	-40.69	25	no change,,,,,,
SEC2GW60	SEC2GW60	2/14/2017 10:10	ADJ	48.5	36.6	0	14.9	0.2	115	27	-19.3	-40.69	25	
SEC2GW60	SEC2GW60	3/10/2017 8:06		49	36.7	0	14.3	0.52	116	44	-24.1	-41.38	25	no change,,,,,,
SEC2GW60	SEC2GW60	3/10/2017 8:06	ADJ	49	36.7	0	14.3	0.56	116	46	-24.1	-41.38	25	
SEC2GW60	SEC2GW60	4/11/2017 14:47		51.6	37.4	0	11	0.58	89	48	-25.9	-41.54	25	,,,,,,
SEC2GW60	SEC2GW60	4/11/2017 14:47	ADJ	51.6	37.4	0	11	0.52	89	46	-25.9	-41.54	25	
SEC2GW60	SEC2GW60	5/15/2017 13:07		47.4	35.6	0.1	16.9	0.47	123.8	44.7	-28.38	-42.68	25	Closed Valve 1/2 to 1 turn: :
SEC2GW60	SEC2GW60	5/15/2017 13:07	ADJ	47.4	35.6	0.1	16.9	0.37	123.8	40	-27.49	-42.3	23	
SEC2GW60	SEC2GW60	6/1/2017 15:41		49	38.4	0	12.6	0.47	125.1	44.7	-29.39	-47.36	23	No Change: :
SEC2GW60	SEC2GW60	6/1/2017 15:41	ADJ	49	38.4	0	12.6	0.42	124.9	42.4	-29.39	-47.74	23	
SEC2GW60	SEC2GW60	7/19/2017 15:47		50.7	38.7	0	10.6	0.51	124	46.4	-29.73	-46.34	23	No Change: :
SEC2GW60	SEC2GW60	7/19/2017 15:47	ADJ	50.7	38.7	0	10.6	0.29	124.2	35.2	-29.73	-47.11	23	
SEC2GW60	SEC2GW60	8/9/2017 12:47		50.8	38.8	0.3	10.1	0.2	124.7	29.3	-30.53	-47.7	23	No Change: :
SEC2GW60	SEC2GW60	8/9/2017 12:47	ADJ	50.8	38.8	0.3	10.1	0.23	124.7	31.3	-30.49	-48.04	23	
SEC2GW60	SEC2GW60	9/22/2017 14:10		50.1	37.1	0	12.8	0.4	125.1	41.1	-30.57	-46.85	23	No Change: :
SEC2GW60	SEC2GW60	9/22/2017 14:10	ADJ	50.1	37.1	0	12.8	0.33	125.2	37.5	-30.53	-46.38	23	
SEC2GW60	SEC2GW60	10/20/2017 13:29		52.2	39	0.1	8.7	0.32	124.5	36.8	-31.08	-46.47	23	No Change: :
SEC2GW60	SEC2GW60	10/20/2017 13:29	ADJ	52.2	39	0.1	8.7	0.32	124.5	36.8	-31.12	-47.91	23	
SEC2GW60	SEC2GW60	11/17/2017 10:18		55.1	37.1	0.1	7.7	0.29	120.6	35.2	-32.09	-47.7	23	No Change: :
SEC2GW60	SEC2GW60	11/17/2017 10:18	ADJ	55.1	37.1	0.1	7.7	0.35	120.6	38.6	-32.09	-47.74	23	
SEC2GW60	SEC2GW60	12/8/2017 9:53		52.4	39.3	0.2	8.1	0.34	121.6	37.7	-32.85	-47.96	23	Closed Valve 1/2 turn or less: :
SEC2GW60	SEC2GW60	12/8/2017 9:53	ADJ	52.4	39.3	0.2	8.1	0.29	121.6	35	-31.84	-47.62	21	
SEC2GW62A	SC2GW62A	1/17/2017 13:01		50.1	49.8	0	1	22.86	87	316	-3.9	-37.63	10	,,,,,,
SEC2GW62A	SC2GW62A	1/17/2017 13:01	ADJ	50.1	49.8	0	1	17.26	87	274	-3.9	-37.63	13	
SEC2GW62A	SC2GW62A	2/14/2017 10:06		50.7	49.1	0	0.2	0.02	85	9	-5.4	-39.43	13	,,,,,,
SEC2GW62A	SC2GW62A	2/14/2017 10:06	ADJ	50.7	49.1	0	0.2	0.04	85	13	-5.4	-39.43	13	
SEC2GW62A	SC2GW62A	3/9/2017 15:52		49.9	50	0	1	0.1	80	19	-8.4	-40.23	13	,,,,,,
SEC2GW62A	SC2GW62A	3/9/2017 15:52	ADJ	49.9	50	0	1	0.04	80	12	-8.4	-40.23	13	
SEC2GW62A	SC2GW62A	4/11/2017 14:42		53.8	46	0	0.2	0.12	70	22	-6.5	-40.41	13	,,,,,,
SEC2GW62A	SC2GW62A	4/11/2017 14:42	ADJ	53.8	46	0	0.2	0.05	70	14	-6.5	-40.41	13	
SEC2GW62A	SC2GW62A	5/15/2017 11:47		48.1	44	0	7.9	0.14	93.6	27	-8.11	-40.85	13	
SEC2GW62A	SC2GW62A	5/15/2017 11:47	ADJ	48.1	44	0	7.9	0.11	93.4	23.1	-7.43	-40.47	12	
SEC2GW62A	SC2GW62A	6/1/2017 15:30		49.1	45.8	0	5.1	0.11	95	23	-8.11	-46.55	12	No Change: :
SEC2GW62A	SC2GW62A	6/1/2017 15:30	ADJ	49.1	45.8	0	5.1	0.09	95	21.4	-8.11	-46.43	12	
SEC2GW62A	SC2GW62A	7/24/2017 14:26		52.1	43.1	0	4.8	0.09	99.9	21.6	-7.35	-46.17	12	No Change: :
SEC2GW62A	SC2GW62A	7/24/2017 14:26	ADJ	52.1	43.1	0	4.8	0.13	99.9	25.6	-7.31	-46.47	12	
SEC2GW62A	SC2GW62A	8/9/2017 11:18		53	43.6	0.2	3.2	0.1	100.8	22.6	-7.01	-47.15	12	
SEC2GW62A	SC2GW62A	8/9/2017 11:18	ADJ	53	43.6	0.2	3.2	0.09	100.8	21.6	-7.09	-47.02	12	
SEC2GW62A	SC2GW62A	9/22/2017 12:42		51.3	36.4	0.1	12.2	0.06	101.1	17.8	-7.09	-46.38	12	
SEC2GW62A	SC2GW62A	9/22/2017 12:42	ADJ	51.3	36.4	0.1	12.2	0.03	101.1	11.3	-7.09	-45.53	12	
SEC2GW62A	SC2GW62A	9/22/2017 14:18		49.4	38	0.1	12.5	0.05	117.1	13.7	-44.93	-45.28	12	Closed Valve 1/2 turn or less: :
SEC2GW62A	SC2GW62A	9/22/2017 14:18	ADJ	49.4	38	0.1	12.5	0.05	117.1	14.1	-44.93	-45.57	11	
SEC2GW62A	SC2GW62A	10/20/2017 9:43		54.9	45.1	0	0	0.07	95.9	18.9	-5.79	-46.47	11	No Change: :
SEC2GW62A	SC2GW62A	10/20/2017 9:43	ADJ	54.9	45.1	0	0	0.07	95.9	18.8	-5.79	-46.43	11	
SEC2GW62A	SC2GW62A	11/17/2017 10:12		57	42.6	0	0.4	0.06	90.1	16.9	-5.41	-47.83	11	Opened Valve 1/2 turn or less: :
SEC2GW62A	SC2GW62A	11/17/2017 10:12	ADJ	57	42.6	0	0.4	0.1	90.3	22.2	-6.42	-48.04	12	
SEC2GW62A	SC2GW62A	11/17/2017 10:28		44.5	33.5	2.8	19.2	0.08	104.2	17.8	-45.95	-46.81	11	Closed Valve 1/2 to 1 turn: :
SEC2GW62A	SC2GW62A	11/17/2017 10:28	ADJ	44.5	33.5	2.8	19.2	0.06	104	15.5	-45.95	-46.81	10	
SEC2GW62A	SC2GW62A	12/7/2017 16:17		53.6	38.4	0	8	0.1	97.3	22.4	-8.15	-47.28	10	Closed Valve 1/2 turn or less: :
SEC2GW62A	SC2GW62A	12/7/2017 16:17	ADJ	53.6	38.4	0	8	0.09	97.3	20.9	-7.43	-46.85	9	
SEC2GW63	SEC2GW63	1/17/2017 14:03		60.7	39.2	0	1	16.84	82	274	-35.2	-37.88	38	,,,,,,
SEC2GW63	SEC2GW63	1/17/2017 14:03	ADJ	60.7	39.2	0	1	11.63	82	227	-35.4	-37.88	38	
SEC2GW63	SEC2GW63	1/17/2017 14:03		60.7	39.2	0	1	16.84	82	274	-35.2	-38.01	35	,,,,,,
SEC2GW63	SEC2GW63	1/17/2017 14:03	ADJ	60.7	39.2	0	1	14.16	82	250	-38	-38.01	38	
SEC2GW63	SEC2GW63	2/14/2017 10:32		57	38.4	0.2	4.4	0.2	83	28	-37.7	-40.14	38	opened 1/4 turn,,,,,,
SEC2GW63	SEC2GW63	2/14/2017 10:32	ADJ	57	38.4	0.2	4.4	0.19	83	27	-37.7	-40.14	39	
SEC2GW63	SEC2GW63	3/10/2017 8:44		49.8	36.6	0.6	13	0.14	78	23	-39	-41.02	39	no change,,,,,,
SEC2GW63	SEC2GW63	3/10/2017 8:44	ADJ	49.8	36.6	0.6	13	0.12	78	21	-39.1	-41.02	39	
SEC2GW63	SEC2GW63	4/11/2017 15:12		52.8	37.7	0	9.5	0.19	60	27	-39.3	-41.18	39	,,,,,,
SEC2GW63	SEC2GW63	4/11/2017 15:12	ADJ	52.8	37.7	0	9.5	0.17	60	26	-39	-41.18	39	
SEC2GW63	SEC2GW63	5/15/2017 13:33		48.6	38.3	0.1	13	0.23	82	31.3	-41.22	-42.47	39	No Change: :
SEC2GW63	SEC2GW63	5/15/2017 13:33	ADJ	48.6	38.3	0.1	13	0.21	82	30	-41.3	-42.81	39	
SEC2GW63	SEC2GW63	6/2/2017 8:00		47.1	36.7	0	16.2	0.24	81.9	31.6	-45.31	-48.09	39	Closed Valve > 1 turn: :

Seven Mile Creek Landfill

Gas Extraction Report

Well ID	Alias	Date/Time	ADJ	CH4 (%)	CO2 (%)	O2 (%)	Balance (%)	Diff. Press. (in. H2O)	Temp. (deg. F)	Flow (scfm)	Well Pres. (in. H2O)	Header Pres. (in. H2O)	Valve Setting (% Open)	Comments
SEC2GW63	SEC2GW63	6/2/2017 8:00	ADJ	47.1	36.7	0	16.2	0.24	81.9	31.6	-44.97	-47.83	38	
SEC2GW63	SEC2GW63	7/19/2017 16:31		58.9	40	0	1.1	0.2	95.9	28.9	-38.85	-46.3	38	Opened Valve > 1 turn: :
SEC2GW63	SEC2GW63	7/19/2017 16:31	ADJ	58.9	40	0	1.1	0.23	96.4	31.1	-43.5	-45.15	40	
SEC2GW63	SEC2GW63	8/9/2017 13:15		50.2	40	0.1	9.7	0.18	86.9	27.2	-44.68	-47.06	40	Closed Valve 1/2 turn or less: :
SEC2GW63	SEC2GW63	8/9/2017 13:15	ADJ	50.2	40	0.1	9.7	0.18	86.9	27.5	-44.3	-46.94	39	
SEC2GW63	SEC2GW63	9/22/2017 14:37		54.9	31.9	0.2	13	0.26	97.7	33.1	-42.57	-45.91	39	No Change: :
SEC2GW63	SEC2GW63	9/22/2017 14:37	ADJ	54.9	31.9	0.2	13	0.22	97.7	30.6	-42.23	-45.87	39	
SEC2GW63	SEC2GW63	10/20/2017 13:53		50.5	38.9	0.2	10.4	0.21	88.9	30	-43.62	-46.68	39	Closed Valve 1/2 turn or less: :
SEC2GW63	SEC2GW63	10/20/2017 13:53	ADJ	50.5	38.9	0.2	10.4	0.2	88.9	29.3	-42.95	-46.26	38	
SEC2GW63	SEC2GW63	11/17/2017 10:42		54.4	31.1	0.6	13.9	0.37	86.7	39.8	-43.58	-47.36	38	No Change: :
SEC2GW63	SEC2GW63	11/17/2017 10:42	ADJ	54.4	31.1	0.6	13.9	0.37	86.5	39.8	-43.58	-47.36	38	
SEC2GW63	SEC2GW63	12/8/2017 10:20		47.4	36.5	0.3	15.8	0.13	87.1	23.3	-44.13	-48.72	38	Closed Valve > 1 turn: :
SEC2GW63	SEC2GW63	12/8/2017 10:20	ADJ	47.4	36.5	0.3	15.8	0.12	86.9	23	-36.02	-49.45	36	
SEC2GW64	SEC2GW64	1/17/2017 14:15		55.8	39.5	0	4.7	19.15	122	284	-32.5	-36.81	50	,,,,,,
SEC2GW64	SEC2GW64	1/17/2017 14:15	ADJ	55.8	39.5	0	4.7	12.23	122	226	-32.6	-36.81	51	
SEC2GW64	SEC2GW64	2/14/2017 10:22		55.3	40.1	0	4.6	0.77	123	54	-34.6	-39.06	51	opened 1/2 turn,,,,,,
SEC2GW64	SEC2GW64	2/14/2017 10:22	ADJ	55.3	40.1	0	4.6	0.9	123	58	-34.7	-39.06	53	
SEC2GW64	SEC2GW64	3/10/2017 8:22		54.9	40.5	0.1	4.5	0.76	121	53	-36.4	-39.96	54	opened 1/2 turn,,,,,,
SEC2GW64	SEC2GW64	3/10/2017 8:22	ADJ	54.9	40.5	0.1	4.5	0.8	122	54	-36.5	-39.96	55	
SEC2GW64	SEC2GW64	4/11/2017 15:01		57	41	0	2	0.81	96	56	-37.1	-40.24	55	,,,,,,
SEC2GW64	SEC2GW64	4/11/2017 15:01	ADJ	57	41	0	2	0.7	96	52	-37	-40.24	57	
SEC2GW64	SEC2GW64	5/15/2017 13:20		47.9	40.5	0	11.6	0.88	124.5	59.6	-38.85	-41.49	57	Closed Valve 1/2 to 1 turn: :
SEC2GW64	SEC2GW64	5/15/2017 13:20	ADJ	47.9	40.5	0	11.6	0.76	124.7	55.4	-38.6	-41.45	55	
SEC2GW64	SEC2GW64	6/1/2017 16:03		48.8	42.5	0	8.7	0.78	125.4	55.5	-42.61	-46	55	No Change: :
SEC2GW64	SEC2GW64	6/1/2017 16:03	ADJ	48.8	42.5	0	8.7	0.81	125.4	56.4	-42.57	-46.34	55	
SEC2GW64	SEC2GW64	7/19/2017 16:05		49.6	41.1	0.1	9.2	0.55	124.3	46.8	-41.89	-45.19	55	No Change: :
SEC2GW64	SEC2GW64	7/19/2017 16:05	ADJ	49.6	41.1	0.1	9.2	0.62	124.3	49.4	-42.23	-45.57	55	
SEC2GW64	SEC2GW64	8/9/2017 13:01		50.9	41.9	0.1	7.1	0.84	122.9	57.6	-43.07	-46.47	55	No Change: :
SEC2GW64	SEC2GW64	8/9/2017 13:01	ADJ	50.9	41.9	0.1	7.1	0.72	123.1	53.2	-43.16	-46.3	55	
SEC2GW64	SEC2GW64	9/22/2017 14:23		47.7	40.2	0	12.1	0.63	122.5	50.1	-42.57	-45.4	55	Closed Valve 1/2 turn or less: :
SEC2GW64	SEC2GW64	9/22/2017 14:23	ADJ	47.7	40.2	0	12.1	0.63	122.5	50.2	-42.57	-45.87	54	
SEC2GW64	SEC2GW64	10/20/2017 13:44		51.8	38.5	0.2	9.5	0.75	122	54.6	-41.93	-45.36	54	No Change: :
SEC2GW64	SEC2GW64	10/20/2017 13:44	ADJ	51.8	38.5	0.2	9.5	0.75	121.8	54.8	-41.93	-45.66	54	
SEC2GW64	SEC2GW64	11/17/2017 10:32		54.5	39.4	0.2	5.9	0.82	119.1	57.6	-42.65	-46.72	54	No Change: :
SEC2GW64	SEC2GW64	11/17/2017 10:32	ADJ	54.5	39.4	0.2	5.9	0.82	119.3	57.6	-42.91	-46.85	54	
SEC2GW64	SEC2GW64	12/8/2017 10:10		47.2	33.6	0.3	18.9	0.92	120	60.5	-43.67	-47.45	54	Closed Valve > 1 turn: :
SEC2GW64	SEC2GW64	12/8/2017 10:10	ADJ	47.2	33.6	0.3	18.9	0.55	120	47	-40.54	-48.47	35	
SEC2GW6A	SEC2GEW6	1/16/2017 16:49		62.7	37.1	0	0.2	-2.09	60	---	-44.7	-44.42	100	,,,,,,
SEC2GW6A	SEC2GEW6	1/16/2017 16:49	ADJ	62.7	37.1	0	0.2	-5.74	60	---	-44.5	-44.42	100	
SEC2GW6A	SEC2GEW6	2/13/2017 15:27		57.2	35.5	0.7	6.6	0.14	58	23	-41.5	-41.82	100	no change,,,,,,
SEC2GW6A	SEC2GEW6	2/13/2017 15:27	ADJ	57.2	35.5	0.7	6.6	0.21	59	29	-41.4	-41.82	100	
SEC2GW6A	SEC2GEW6	3/9/2017 11:00		59.4	36.2	1.1	3.3	0.41	56	42	-42.5	-43.39	100	no change,,,,,,
SEC2GW6A	SEC2GEW6	3/9/2017 11:00	ADJ	59.4	36.2	1.1	3.3	0.34	56	37	-43	-43.39	100	
SEC2GW6A	SEC2GEW6	4/11/2017 8:43		61.2	38	0	0.8	0.35	50	38	-43.5	-43.95	100	,,,,,,
SEC2GW6A	SEC2GEW6	4/11/2017 8:43	ADJ	61.2	38	0	0.8	0.15	50	25	-44.1	-43.95	100	
SEC2GW6A	SEC2GEW6	5/15/2017 8:46		56.7	38.3	0.3	4.7	0.17	61.5	27.3	-44.64	-44.55	100	Valve completely open: :
SEC2GW6A	SEC2GEW6	5/15/2017 8:46	ADJ	56.7	38.3	0.3	4.7	0.19	61.5	28.7	-44.26	-44.21	100	
SEC2GW6A	SEC2GEW6	6/1/2017 8:42		56.9	38.8	0.2	4.1	0.16	62.2	26.1	-48.78	-49.36	100	Valve completely open: :
SEC2GW6A	SEC2GEW6	6/1/2017 8:42	ADJ	56.9	38.8	0.2	4.1	0.16	62.2	25.7	-48.99	-49.45	100	
SEC2GW6A	SEC2GEW6	7/19/2017 11:10		56	41.6	0.2	2.2	0.16	72.7	25.6	-49.66	-49.4	100	Valve completely open: :
SEC2GW6A	SEC2GEW6	7/19/2017 11:10	ADJ	56	41.6	0.2	2.2	0.16	72.3	25.6	-49.7	-50	100	
SEC2GW6A	SEC2GEW6	8/9/2017 8:28		55.5	38.4	0.6	5.5	0.13	70.3	23.1	-48.35	-48.68	100	Valve completely open: :
SEC2GW6A	SEC2GEW6	8/9/2017 8:28	ADJ	55.5	38.4	0.6	5.5	0.14	70.2	24.2	-48.4	-48.68	100	
SEC2GW6A	SEC2GEW6	9/22/2017 8:32		59.7	34.7	0.2	5.4	0	73.4	0	-19.26	-19.74	100	Valve completely open: :
SEC2GW6A	SEC2GEW6	9/22/2017 8:32	ADJ	59.7	34.7	0.2	5.4	0	73.4	0	-19.21	-19.74	100	
SEC2GW6A	SEC2GEW6	10/19/2017 14:54		54.8	36.4	0.8	8	0.84	75.2	62.6	-26.77	-26.09	100	No Change: :
SEC2GW6A	SEC2GEW6	10/19/2017 14:54	ADJ	54.8	36.4	0.8	8	0.82	75.9	62.2	-26.77	-25.87	100	
SEC2GW6A	SEC2GEW6	11/16/2017 12:55		55	33.8	1.1	10.1	0.23	68.7	31.3	-48.4	-48.68	100	Valve completely open: :
SEC2GW6A	SEC2GEW6	11/16/2017 12:55	ADJ	55	33.8	1.1	10.1	0.24	68.7	31.5	-49.07	-50.3	100	
SEC2GW6A	SEC2GEW6	12/7/2017 12:51		55.5	33.4	1.2	9.9	0.05	64.8	14.3	-48.69	-48.77	100	Valve completely open: :
SEC2GW6A	SEC2GEW6	12/7/2017 12:51	ADJ	55.5	33.4	1.2	9.9	0.05	64.6	14.7	-48.65	-48.72	100	
SEC2GW7A	SEC2GEW7	1/16/2017 16:55		62.1	37.5	0.3	1	-2.68	57	---	-42.3	-42.71	100	,,,,,,
SEC2GW7A	SEC2GEW7	1/16/2017 16:55	ADJ	62.1	37.5	0.3	1	-5.78	57	---	-42.4	-42.71	100	
SEC2GW7A	SEC2GEW7	2/13/2017 15:30		58.1	35.7	1.1	5.1	0.1	58	20	-39.6	-40.12	100	no change,,,,,,
SEC2GW7A	SEC2GEW7	2/13/2017 15:30	ADJ	58.1	35.7	1.1	5.1	0.1	58	20	-39.7	-40.12	100	
SEC2GW7A	SEC2GEW7	3/9/2017 11:07		59.8	36.5	1.3	2.4	-0.09	55	---	-41.3	-41.46	100	no change,,,,,,
SEC2GW7A	SEC2GEW7	3/9/2017 11:07	ADJ	59.8	36.5	1.3	2.4	0.2	55	29	-41.3	-41.46	100	
SEC2GW7A	SEC2GEW7	4/11/2017 8:48		61.6	38.1	0.2	1	0.06	53	15	-42.3	-42.51	100	,,,,,,
SEC2GW7A	SEC2GEW7	4/11/2017 8:48	ADJ	61.6	38.1	0.2	1	0.07	53	17	-42.5	-42.51	100	
SEC2GW7A	SEC2GEW7	5/15/2017 8:50		58.3	36.6	0.6	4.5	0.1	60.3	20.6	-43.24	-43.19	100	Valve completely open: :
SEC2GW7A	SEC2GEW7	5/15/2017 8:50	ADJ	58.3	36.6	0.6	4.5	0.08	60.3	19.4	-43.29	-43.15	100	
SEC2GW7A	SEC2GEW7	6/1/2017 8:46		58.7	38	0.4	2.9	0.08	61	19.1	-47.3	-47.4	100	Valve completely open: :
SEC2GW7A	SEC2GEW7	6/1/2017 8:46	ADJ	58.7	38	0.4	2.9	0.09	60.8	20	-47.3	-47.32	100	
SEC2GW7A	SEC2GEW7	7/19/2017 11:14		55.3	38.1	0.9	5.7	0.08	68	18.6	-47.68	-48.17	100	Valve completely open: :
SEC2GW7A	SEC2GEW7	7/19/2017 11:14	ADJ	55.3	38.1	0.9	5.7	0.08	67.8	18.5	-47.68	-48.09	100	
SEC2GW7A	SEC2GEW7	8/9/2017 8:32		57.1	36.7	0.7	5.5	0.09	67.1	19.4	-46.71	-46.72	100	Valve completely open: :
SEC2GW7A	SEC2GEW7	8/9/2017 8:32	ADJ	57.1	36.7	0.7	5.5	0.1	67.3	20.4	-46.71	-46.85	100	
SEC2GW7A	SEC2GEW7	9/22/2017 8:36		58.5	36	0.5	5	0	68.4	0	-47.97	-48.68	100	Valve completely open: :
SEC2GW7A	SEC2GEW7	9/22/2017 8:36	ADJ	58.5	36	0.5	5	0	68.4	0	-47.97	-48.68	100	
SEC2GW7A	SEC2GEW7	10/19/2017 15:02		57.7	38.7	0.7	2.9	0	68.4	0	-46.92	-47.15	100	Valve completely open: :
SEC2GW7A	SEC2GEW7	10/19/2017 15:02	ADJ	57.7	38.7	0.7	2.9	0	68.9	0	-47.04	-47.15	100	
SEC2GW7A	SEC2GEW7	10/19/2017 15:17		58	39.3	0.6	2.1	0.08	68.9	18.5	-47	-47.53	100	Valve completely open: :
SEC2GW7A	SEC2GEW7	10/19/2017 15:17	ADJ	58	39.3	0.6	2.1	0.12	68.9	22.7	-47	-47.53	100	
SEC2GW7A	SEC2GEW7	11/16/2017 12:59		55.1	34.2	2	8.7	0.23	61.9	31.3	-48.35	-48.77	100	Valve completely open: :
SEC2GW7A	SEC2GEW7	11/16/2017 12:59	ADJ	55.1	34.2	2	8.7	0.23	61.9	31.3	-48.35	-48.77	100	
SEC2GW7A	SEC2GEW7	12/7/2017 12:56		55.1	32.2	2.2	10.5	0.09	57.2	19.3	-47.34	-47.4	100	Valve completely open: :
SEC2GW7A	SEC2GEW7	12/7/2017 12:56	ADJ	55.1	32.2	2.2	10.5	0.08	57.6	19.2	-47.42	-47.62	100	
SEC2GW7A	SEC2GEW7	12/21/2017 15:52		55.6	33.9	1.3	9.2	0.11	57.2	21.7	-49.49	-49.7	100	Valve completely open: :
SEC2GW7A	SEC2GEW7	12/21/2017 15:52	ADJ	55.6	33.9	1.3	9.2	0.1	57.4	20.4	-49.32	-49.57	100	
SEC2GW9A	SEC2GW9R	1/17/2017 11:24		55	37	2.6	5.4	13.93	50	252	-39.2	-39.45	70	,,,,,,
SEC2GW9A	SEC2GW9R	1/17/2017 11:24	ADJ	55	37	2.6	5.4	11.38	50	227	-39.3	-39.45	70	
SEC2GW9A	SEC2GW9R	2/14/2017 8:12		49	33	3.5	14.5	-0.04	48	---	-40.7	-40.62	70	no change,,,,,,
SEC2GW9A	SEC2GW9R	2/14/2017 8:12	ADJ	49	33	3.5	14.5	-0.05	48	---	-40.7	-40.62	70	
SEC2GW9A	SEC2GW9R	3/9/2017 14:41		46.6	35.1	3.6	14.7	0.01	42	7	-41.1	-41.58	60	closed 1/2 turn,,,,,,
SEC2GW9A	SEC2GW9R	3/9/2017 14:41	ADJ	46.6	35.1	3.6	14.7	-0.02	42	7	-40.7	-41.58	59	
SEC2GW9A	SEC2GW9R	4/11/2017 13:15		59.7	39.9	0.3	1	-0.03	48	---	-41.1	-42.5	59	,,,,,,
SEC2GW9A	SEC2GW9R	4/11/2017 13:15	ADJ	59.7	39.9	0.3	1	0	48	0	-42.5	-42.5	60	
SEC2GW9A	SEC2GW9R	5/15/2017 10:51		52.3	35.5	2.5	9.7	0.01	69.3	5.3	-43.24	-42.51	60	No Change: :
SEC2GW9A	SEC2GW9R	5/15/2017 10:51	ADJ	52.3	35.5	2.5	9.7	0	69.1	3.9	-42.69	-42.51	60	
SEC2GW9A	SEC2GW9R	6/1/2017 11:07		52.3	36.3	1.9	9.5	0.03	70.9	11.3	-47.64	-48	60	No Change: :
SEC2GW9A	SEC2GW9R	6/1/2017 11:07	ADJ	52.3	36.3	1.9	9.5	0.01	70.7	5.3	-47.68	-47.66	60	
SEC2GW9A	SEC2GW9R	7/19/2017 14:14		51.8	35.9	1.8	10.5	0.02	84	7.8	-46.96	-46.94	60	No Change: :
SEC2GW9A	SEC2GW9R	7/19/2017 14:14	ADJ	51.8	35.9	1.8	10.5	0.02	84	7.8	-46.96	-46.94	60	
SEC2GW9A	SEC2GW9R	7/19/2017 14:17		55.5	37.1	1.3	6.1	0.02	83.8	9	-46.88	-46.94	60	Opened Valve 1/2 to 1 turn: :
SEC2GW9A	SEC2GW9R	7/19/2017 14:17	ADJ	55.5	37.1	1.3	6.1	0.01	83.8	6.1	-47	-46.85	62	
SEC2GW9A	SEC2GW9R	8/9/2017 10:19		54.2	39.5	1.2	5.1	0.02	80.6	9.7	-47.51	-47.66	62	No Change: :

Seven Mile Creek Landfill

Gas Extraction Report

Well ID	Alias	Date/Time	ADJ	CH4 (%)	CO2 (%)	O2 (%)	Balance (%)	Diff. Press. (in. H2O)	Temp. (deg. F)	Flow (scfm)	Well Pres. (in. H2O)	Header Pres. (in. H2O)	Valve Setting (% Open)	Comments
SEC2GW9A	SEC2GW9R	8/9/2017 10:19	ADJ	54.2	39.5	1.2	5.1	0.03	80.6	11.8	-47.72	-47.91	62	
SEC2GW9A	SEC2GW9R	9/22/2017 10:28		53.1	33.6	1.1	12.2	0.02	84.7	9.8	-46.33	-46.85	62	No Change: :
SEC2GW9A	SEC2GW9R	9/22/2017 10:28	ADJ	53.1	33.6	1.1	12.2	0.02	85.3	8.7	-46.33	-46.81	62	
SEC2GW9A	SEC2GW9R	10/20/2017 10:02		55.3	38.6	0.8	5.3	0.01	81.7	5.8	-47.09	-47.66	62	Opened Valve 1/2 turn or less: :
SEC2GW9A	SEC2GW9R	10/20/2017 10:02	ADJ	55.3	38.6	0.8	5.3	0.01	82.8	7.8	-47.04	-47.66	63	
SEC2GW9A	SEC2GW9R	11/16/2017 15:51		50.1	37.6	2.7	9.6	0.15	99	24.3	-48.69	-49.4	63	Closed Valve 1/2 turn or less: :
SEC2GW9A	SEC2GW9R	11/16/2017 15:51	ADJ	50.1	37.6	2.7	9.6	0.15	97	24.7	-44	-49.4	61	
SEC2GW9A	SEC2GW9R	12/7/2017 14:29		55.5	38.8	0.9	4.8	0.01	93.6	6.8	-41.55	-47.83	61	Opened Valve 1/2 turn or less: :
SEC2GW9A	SEC2GW9R	12/7/2017 14:29	ADJ	55.5	38.8	0.9	4.8	0.04	96.4	13.4	-46.28	-47.53	62	
Horizontal														
S2P01OC5	SEC2P01OC5	1/17/2017 11:21		43.8	31.4	0	24.8	17.57	72	276	-39.2	-39.24	7	,,,,,,,
S2P01OC5	SEC2P01OC5	1/17/2017 11:21	ADJ	43.8	31.4	0	24.8	13.26	72	240	-39.3	-39.24	7	
S2P01OC5	SEC2P01OC5	2/14/2017 8:05		54.7	45.2	0	1	-0.04	69	---	-40.5	-40.72	7	no change,,,,,,,
S2P01OC5	SEC2P01OC5	2/14/2017 8:05	ADJ	54.7	45.2	0	1	0.29	70	33	-40.5	-40.72	7	
S2P01OC5	SEC2P01OC5	3/9/2017 14:18		54.8	44.9	0.2	1	-0.01	70	---	-41	-41.6	6	closed 1//4 turn,,,,,,,
S2P01OC5	SEC2P01OC5	3/9/2017 14:18	ADJ	54.8	44.9	0.2	1	0.07	70	15	-41.5	-41.6	5	
S2P01OC5	SEC2P01OC5	4/11/2017 13:10		55.2	44.7	0	1	0	80	---	0	-42.52	85	,,,,,,,
S2P01OC5	SEC2P01OC5	4/11/2017 13:10	ADJ	55.2	44.7	0	1	0	80	---	-42.6	-42.52	100	
S2P01OC5	SEC2P01OC5	5/15/2017 10:46		52.9	44.4	0.2	2.5	0.01	93.2	5.6	-42.91	-42.51	100	Closed Valve 1/2 turn or less: :
S2P01OC5	SEC2P01OC5	5/15/2017 10:46	ADJ	52.9	44.4	0.2	2.5	0.01	93.2	5.2	-43.24	-42.51	98	
S2P01OC5	SEC2P01OC5	6/1/2017 11:05		52.4	43.6	0.4	3.6	0	95.5	0	-47.59	-48	98	No Change: :
S2P01OC5	SEC2P01OC5	6/1/2017 11:05	ADJ	52.4	43.6	0.4	3.6	0.03	95.7	11.1	-47.68	-47.74	98	
S2P01OC5	SEC2P01OC5	7/19/2017 14:11		51.3	44.2	0.4	4.1	0.01	101.8	5.9	-46.96	-46.94	19	No Change: :
S2P01OC5	SEC2P01OC5	7/19/2017 14:11	ADJ	51.3	44.2	0.4	4.1	0	101.7	0	-46.96	-46.94	19	
S2P01OC5	SEC2P01OC5	8/9/2017 10:16		52.7	40.9	0.5	5.9	0.11	95	21.3	-47.09	-47.32	19	No Change: :
S2P01OC5	SEC2P01OC5	8/9/2017 10:16	ADJ	52.7	40.9	0.5	5.9	0.17	95	26.3	-48.06	-48.09	19	
S2P01OC5	SEC2P01OC5	9/22/2017 10:23		54.5	42.5	0.4	2.6	0.01	99.9	7.4	-46.96	-46.81	97	Valve completely open: :
S2P01OC5	SEC2P01OC5	9/22/2017 10:23	ADJ	54.5	42.5	0.4	2.6	0.01	99.7	6.9	-46.33	-46.81	100	
S2P01OC5	SEC2P01OC5	10/20/2017 9:58		54.4	45	0.7	0	0.05	91.4	14.4	-47.34	-47.66	100	No Change: :
S2P01OC5	SEC2P01OC5	10/20/2017 9:58	ADJ	54.4	45	0.7	0	0.04	91.4	12.6	-47.42	-47.96	100	
S2P01OC5	SEC2P01OC5	11/16/2017 15:47		54.5	44.8	0.7	0	0.17	61.7	27	-48.44	-49.36	100	Valve completely open: :
S2P01OC5	SEC2P01OC5	11/16/2017 15:47	ADJ	54.5	44.8	0.7	0	0.14	61.9	24.2	-49.03	-49.32	100	
S2P01OC5	SEC2P01OC5	12/7/2017 14:26		45.6	37	4.3	13.1	0.02	42.3	8.6	-47.55	-47.53	100	Closed Valve > 1 turn: :
S2P01OC5	SEC2P01OC5	12/7/2017 14:26	ADJ	45.6	37	4.3	13.1	0.01	42.4	7.7	-47.47	-47.53	98	
S2P04OC4	SEC2P04OC4	1/17/2017 13:12		56.9	43	0	1	18.6	93	281	-35.9	-32.61	1.5	,,,,,,,
S2P04OC4	SEC2P04OC4	1/17/2017 13:12	ADJ	56.9	43	0	1	11.35	92	219	-34	-32.61	1.5	
S2P04OC4	SEC2P04OC4	2/14/2017 9:52		57.8	42.1	0	1	-0.01	98	---	-27.9	-27.28	1.5	opened 1/2 turn,,,,,,,
S2P04OC4	SEC2P04OC4	2/14/2017 9:52	ADJ	57.8	42.1	0	1	0	97	---	-27.5	-27.28	3	
S2P04OC4	SEC2P04OC4	3/9/2017 15:27		57.6	41.8	0.4	0.2	0.04	90	12	-35.8	-32.8	5	opened 1/2 turn,,,,,,,
S2P04OC4	SEC2P04OC4	3/9/2017 15:27	ADJ	57.6	41.8	0.4	0.2	-0.06	90	12	-37	-32.8	6	
S2P04OC4	SEC2P04OC4	4/11/2017 14:18		57.5	42.4	0	1	2.29	76	97	-39.2	-35.69	6	,,,,,,,
S2P04OC4	SEC2P04OC4	4/11/2017 14:18	ADJ	57.5	42.4	0	1	-0.1	76	97	-38.3	-35.69	8	
S2P04OC4	SEC2P04OC4	4/26/2017 14:52		57.7	42.2	0	1	4.06	46	139	-12.4	-8.75	0	,,,,,,,
S2P04OC4	SEC2P04OC4	4/26/2017 14:52	ADJ	57.7	42.2	0	1	3.52	46	129	-11.4	-8.75	---	
S2P04OC4	SEC2P04OC4	5/15/2017 11:37		55.3	40.4	0.1	4.2	1.92	112.6	98.4	-0.52	2.09	8	Opened Valve 1/2 turn or less: :
S2P04OC4	SEC2P04OC4	5/15/2017 11:37	ADJ	55.3	40.4	0.1	4.2	2.62	112.8	114.9	-0.88	2.77	7	
S2P04OC4	SEC2P04OC4	6/1/2017 15:03		53.1	40.4	0.6	5.9	0	113.9	0	-21.28	-21.79	7	Opened Valve 1/2 turn or less: :
S2P04OC4	SEC2P04OC4	6/1/2017 15:03	ADJ	53.1	40.4	0.6	5.9	0	113.7	0	-23.06	-22.6	8	
S2P04OC4	SEC2P04OC4	7/19/2017 14:55		52.2	38.7	0.9	8.2	0	110.5	0	-36.91	-37.4	8	Opened Valve 1/2 turn or less: :
S2P04OC4	SEC2P04OC4	7/19/2017 14:55	ADJ	52.2	38.7	0.9	8.2	1.59	110.3	81.7	-36.15	-34.34	9	
S2P04OC4	SEC2P04OC4	8/9/2017 10:59		53.4	41.6	0.9	4.1	0	109	0	-14.36	-16	9	No Change: :
S2P04OC4	SEC2P04OC4	8/9/2017 10:59	ADJ	53.4	41.6	0.9	4.1	0.44	109.2	45.1	-16.13	-15.66	9	
S2P04OC4	SEC2P04OC4	9/22/2017 11:24		53.2	40.3	0	6.5	8.37	115.3	193.7	-22.97	-23.83	9	No Change: :
S2P04OC4	SEC2P04OC4	9/22/2017 11:24	ADJ	53.2	40.3	0	6.5	7.74	115.3	186.3	-22.64	-24.64	9	
S2P04OC4	SEC2P04OC4	10/20/2017 9:06		41.1	32.1	2.4	24.4	0.21	124	30.1	-28.08	-29.32	9	Closed Valve 1/2 turn or less: :
S2P04OC4	SEC2P04OC4	10/20/2017 9:06	ADJ	41.1	32.1	2.4	24.4	0.25	124	32.6	-28.76	-29.83	8	
S2P04OC4	SEC2P04OC4	11/16/2017 16:45		47.5	33.9	1.8	16.8	0.31	122	38.3	-8.87	-9.62	8	Closed Valve 1/2 turn or less: :
S2P04OC4	SEC2P04OC4	11/16/2017 16:45	ADJ	47.5	33.9	1.8	16.8	0.23	121.6	32.3	-16.93	-19.23	7	
S2P04OC4	SEC2P04OC4	12/7/2017 15:48		48.8	36.6	1.4	13.2	0.24	116.2	34	-12.84	-12.98	7	Closed Valve 1/2 turn or less: :
S2P04OC4	SEC2P04OC4	12/7/2017 15:48	ADJ	48.8	36.6	1.4	13.2	0.28	116.6	36.7	-10.81	-10.89	6	
S2P080C8	SEC2P08OC8	1/17/2017 9:24		56.9	38.1	0.3	4.7	15.84	93	274	-1.1	-38.91	1.5	,,,,,,,
S2P080C8	SEC2P08OC8	1/17/2017 9:24	ADJ	56.9	38.1	0.3	4.7	11.57	93	234	-1.4	-38.91	2	
S2P080C8	SEC2P08OC8	2/13/2017 15:38		49.3	36.3	0.1	14.3	-0.05	82	---	-1	-39.16	2	no change,,,,,,,
S2P080C8	SEC2P08OC8	2/13/2017 15:38	ADJ	49.3	36.3	0.1	14.3	0	82	---	-1.2	-39.16	2	
S2P080C8	SEC2P08OC8	3/9/2017 11:20		49.3	35.3	1.4	14	-0.12	80	---	-1	-40.65	2	no change,,,,,,,
S2P080C8	SEC2P08OC8	3/9/2017 11:20	ADJ	49.3	35.3	1.4	14	0.42	81	42	-1.5	-40.65	2	
S2P080C8	SEC2P08OC8	4/11/2017 9:03		48.3	35.6	1.1	15	0.03	86	11	-1.2	-41.56	2	,,,,,,,
S2P080C8	SEC2P08OC8	4/11/2017 9:03	ADJ	48.3	35.6	1.1	15	-1	86	11	-0.4	-41.56	2	
S2P080C8	SEC2P08OC8	5/15/2017 8:59		46.6	34.8	0.5	18.1	0.22	88.7	33.6	-1.47	-43.28	2	Closed Valve 1/2 to 1 turn: :
S2P080C8	SEC2P08OC8	5/15/2017 8:59	ADJ	46.6	34.8	0.5	18.1	0.31	88.9	40.2	-1.3	-43.11	1	
S2P080C8	SEC2P08OC8	6/1/2017 8:57		51.8	37.3	0.2	10.7	0.32	87.4	40.8	-1.31	-47.32	1	No Change: :
S2P080C8	SEC2P08OC8	6/1/2017 8:57	ADJ	51.8	37.3	0.2	10.7	0.34	87.4	41.8	-1.34	-46.64	1	
S2P080C8	SEC2P08OC8	7/19/2017 11:21		49.9	38.3	0	11.8	0.24	92.7	34.9	-1.14	-47.23	1	No Change: :
S2P080C8	SEC2P08OC8	7/19/2017 11:21	ADJ	49.9	38.3	0	11.8	0.32	92.5	40.3	-1.25	-47.91	1	
S2P080C8	SEC2P08OC8	8/9/2017 8:42		48	37.5	0.2	14.3	0.37	93.2	43.4	-1.64	-46.94	1	Closed Valve 1/2 turn or less: :
S2P080C8	SEC2P08OC8	8/9/2017 8:42	ADJ	48	37.5	0.2	14.3	0.22	93.7	33.4	-1.01	-46.55	1	
S2P080C8	SEC2P08OC8	9/22/2017 8:49		56.2	37.7	0	6.1	0.14	91.8	27.1	-1.09	-48.89	1	Opened Valve 1/2 turn or less: :
S2P080C8	SEC2P08OC8	9/22/2017 8:49	ADJ	56.2	37.7	0	6.1	0	91.2	0	-1.72	-47.02	2	
S2P080C8	SEC2P08OC8	10/19/2017 15:27		50.2	35.6	0.1	14.1	0.26	88.2	36.8	-1.38	-46.3	2	No Change: :
S2P080C8	SEC2P08OC8	10/19/2017 15:27	ADJ	50.2	35.6	0.1	14.1	0.26	88.3	36.8	-1.37	-47.15	2	
S2P080C8	SEC2P08OC8	11/16/2017 13:24		53	33.6	0.4	13	0.24	82.4	35.2	-1.71	-48.43	1	
S2P080C8	SEC2P08OC8	11/16/2017 13:24	ADJ	53	33.6	0.4	13	0.2	82.6	32.6	-1.52	-48.38	1	
S2P080C8	SEC2P08OC8	12/7/2017 13:10		52.5	36.3	0.2	11	0.15	80.2	27.9	-1.05	-47.4	1	Closed Valve 1/2 turn or less: :
S2P080C8	SEC2P08OC8	12/7/2017 13:10	ADJ	52.5	36.3	0.2	11	0.14	79.9	27	-0.93	-47.53	1	
S2P09OC1	SEC2P09OC1	1/17/2017 14:52		50.3	36.1	0	13.6	21.17	76	319	-0.5	-37.74	1	,,,,,,,
S2P09OC1	SEC2P09OC1	1/17/2017 14:52	ADJ	50.3	36.1	0	13.6	17.42	76	289	-0.5	-37.74	1	
S2P09OC1	SEC2P09OC1	2/14/2017 7:24		39.4	33	0	27.6	0.14	73	24	0	-39.98	1	no change,,,,,,,
S2P09OC1	SEC2P09OC1	2/14/2017 7:24	ADJ	39.4	33	0	27.6	0.08	73	18	-0.2	-39.98	1	
S2P09OC1	SEC2P09OC1	3/9/2017 16:55		34.1	30.2	0	35.7	0.17	71	27	-0.1	-40.47	1	closed 1//4 turn,,,,,,,
S2P09OC1	SEC2P09OC1	3/9/2017 16:55	ADJ	34.1	30.2	0	35.7	0.23	72	31	-0.1	-40.47	0.75	
S2P09OC1	SEC2P09OC1	4/11/2017 12:14		48.5	36.1	0	15.4	0.02	70	9	0	-40.87	1	,,,,,,,
S2P09OC1	SEC2P09OC1	4/11/2017 12:14	ADJ	48.5	36.1	0	15.4	-0.08	70	9	0	-40.87	1	
S2P09OC1	SEC2P09OC1	4/11/2017 12:16		48.4	36.1	0	15.5	0.09	70	19	-0.2	-41.86	4	,,,,,,,
S2P09OC1	SEC2P09OC1	4/11/2017 12:16	ADJ	48.4	36.1	0	15.5	0.13	70	24	-0.2	-41.86	4	
S2P09OC1	SEC2P09OC1	5/15/2017 14:24		41.3	32.1	0	26.6	0.06	82.6	17.4	-0.45	-43.06	4	Closed Valve 1/2 to 1 turn: :
S2P09OC1	SEC2P09OC1	5/15/2017 14:24	ADJ	41.3	32.1	0	26.6	0.05	82.4	15.8	-0.1	-42.94	3	
S2P09OC1	SEC2P09OC1	6/1/2017 9:57		53.3	39.7	0	7	0.05	78.8	15.6	-0.07	-46.89	3	Opened Valve 1/2 turn or less: :
S2P09OC1	SEC2P09OC1	6/1/2017 9:57	ADJ	53.3	39.7	0	7	0.06	78.8	17.3	-0.04	-46.89	4	
S2P09OC1	SEC2P09OC1	7/19/2017 12:45		50.2	36.3	0	13.5	0.09	87.3	21.4	-0.16	-46.94	4	No Change: :
S2P09OC1	SEC2P09OC1	7/19/2017 12:45	ADJ	50.2	36.3	0	13.5	0.11	87.3	24	-0.15	-46.89	4	
S2P09OC1	SEC2P09OC1	8/9/2017 13:49		40.6	34.6	0.1	24.7	0.09	84.2	22.3	-0.21	-47.11	4	Closed Valve 1/2 turn or less: :
S2P09OC1	SEC2P09OC1	8/9/2017 13:49	ADJ	40.6	34.6	0.1	24.7	0.03	84.2	13.4	-0.06	-47.28	3	
S2P09OC1	SEC2P09OC1	9/22/2017 13:32		55.6	35.8	0	8.6	0.02	85.5	11.3	-0.04	-46.26	3	Opened Valve 1/2 turn or less: :
S2P09OC1	SEC2P09OC1	9/22/2017 13:32	ADJ	55.6	35.8	0	8.6	0.05	85.1	15.9	-0.07	-46.26	4	
S2P09OC1	SEC2P09OC1	10/20/2017 14:48		45.1	34.8	0	20.1	0.04	76.6	15.4	-0.05	-45.83	4	Closed Valve 1/2 turn or less: :

Seven Mile Creek Landfill

Gas Extraction Report

Well ID	Alias	Date/Time	ADJ	CH4 (%)	CO2 (%)	O2 (%)	Balance (%)	Diff. Press. (in. H2O)	Temp. (deg. F)	Flow (scfm)	Well Pres. (in. H2O)	Header Pres. (in. H2O)	Valve Setting (% Open)	Comments
S2P09OC1	SEC2P09OC1	10/20/2017 14:48	ADJ	45.1	34.8	0	20.1	0.02	76.5	11.2	-0.03	-45.96	3	
S2P09OC1	SEC2P09OC1	11/17/2017 11:18		51.9	36.2	0.1	11.8	0.03	56.7	12.9	-0.03	-47.53	3	Closed Valve 1/2 turn or less: :
S2P09OC1	SEC2P09OC1	11/17/2017 11:18	ADJ	51.9	36.2	0.1	11.8	0.02	56.8	11.3	-0.02	-47.36	2	
S2P09OC1	SEC2P09OC1	12/8/2017 8:59		46.4	36.4	0.1	17.1	0.02	49.3	11.6	-0.01	-5.32	2	No Change: :
S2P09OC1	SEC2P09OC1	12/8/2017 8:59	ADJ	46.4	36.4	0.1	17.1	0.02	49.5	12	-0.02	-5.11	2	
S2P10OC5	SEC2P10OC5	1/17/2017 15:05		61.8	38.1	0	1	19.76	47	318	-11.8	-37.07	7	,,,,,,
S2P10OC5	SEC2P10OC5	1/17/2017 15:05	ADJ	61.8	38.1	0	1	11.35	47	240	-12.6	-37.07	20	
S2P10OC5	SEC2P10OC5	2/14/2017 7:37		42.4	32.6	0.2	24.8	-0.12	54	---	-16.3	-39.07	20	closed 1//4 turn,,,,,,
S2P10OC5	SEC2P10OC5	2/14/2017 7:37	ADJ	42.4	32.6	0.2	24.8	-0.05	54	---	-16.3	-39.07	19	
S2P10OC5	SEC2P10OC5	3/9/2017 16:40		41.3	32.5	0.5	25.7	0.09	53	19	-10.6	-39.46	18	closed 1//4 turn,,,,,,
S2P10OC5	SEC2P10OC5	3/9/2017 16:40	ADJ	41.3	32.5	0.5	25.7	0.01	53	5	-10.6	-39.46	17	
S2P10OC5	SEC2P10OC5	4/11/2017 12:28		52.6	36.5	0	10.9	0.01	60	6	-10.5	-41.25	17	,,,,,,
S2P10OC5	SEC2P10OC5	4/11/2017 12:28	ADJ	52.6	36.5	0	10.9	-0.01	60	6	-10.7	-41.25	17	
S2P10OC5	SEC2P10OC5	5/15/2017 14:36		47.7	35.3	0	17	0.04	73.6	13.2	-30.79	-43.23	17	Closed Valve 1/2 turn or less: :
S2P10OC5	SEC2P10OC5	5/15/2017 14:36	ADJ	47.7	35.3	0	17	0.26	73.6	34.7	-26.69	-43.49	16	
S2P10OC5	SEC2P10OC5	6/1/2017 9:36		57.5	38.8	0	3.7	0.24	78.3	35.3	-4.97	-46.64	98	Closed Valve > 1 turn: :
S2P10OC5	SEC2P10OC5	6/1/2017 9:36	ADJ	57.5	38.8	0	3.7	0	78.6	0	-3.23	-46.94	97	
S2P10OC5	SEC2P10OC5	7/19/2017 12:55		57.8	39	0.1	3.1	0.14	95	26.5	-2.22	-46.6	97	Opened Valve 1/2 turn or less: :
S2P10OC5	SEC2P10OC5	7/19/2017 12:55	ADJ	57.8	39	0.1	3.1	0.34	97.9	41.1	-6.12	-46.26	98	
S2P10OC5	SEC2P10OC5	8/9/2017 14:00		39.5	32.7	0	27.8	0.04	84.6	13.4	-3.18	-46.98	98	Closed Valve 1/2 turn or less: :
S2P10OC5	SEC2P10OC5	8/9/2017 14:00	ADJ	39.5	32.7	0	27.8	0.01	84.9	7.5	-1.33	-47.23	97	
S2P10OC5	SEC2P10OC5	9/22/2017 13:46		58.9	35.8	0	5.3	0.24	100.6	34.7	-3.48	-46	97	
S2P10OC5	SEC2P10OC5	9/22/2017 13:46	ADJ	58.9	35.8	0	5.3	0.28	98.8	37.5	-3.64	-46.26	98	
S2P10OC5	SEC2P10OC5	10/20/2017 15:09		46.1	33.8	0	20.1	0.06	78.4	17.8	-12.33	-45.57	98	Closed Valve 1/2 turn or less: :
S2P10OC5	SEC2P10OC5	10/20/2017 15:09	ADJ	46.1	33.8	0	20.1	0.02	79	10.6	-8.4	-46.04	97	
S2P10OC5	SEC2P10OC5	11/17/2017 11:35		61	39	0	0	0.06	44.8	18.6	-8.83	-47.53	97	Opened Valve 1/2 turn or less: :
S2P10OC5	SEC2P10OC5	11/17/2017 11:35	ADJ	61	39	0	0	0.36	47.3	44.2	-11.02	-46.94	98	
S2P10OC5	SEC2P10OC5	12/8/2017 9:17		57.2	36.5	0	6.3	0.12	53.2	25.7	-10.56	-46.64	98	Opened Valve 1/2 turn or less: :
S2P10OC5	SEC2P10OC5	12/8/2017 9:17	ADJ	57.2	36.5	0	6.3	0.28	54.3	38.4	-12.58	-46.81	100	
S2P10OC6	SEC2P10OC6	1/17/2017 15:01		57.3	37.9	0	4.8	21.89	84	326	-1	-36.62	5	,,,,,,
S2P10OC6	SEC2P10OC6	1/17/2017 15:01	ADJ	57.3	37.9	0	4.8	11.88	84	239	-1.1	-36.62	7	
S2P10OC6	SEC2P10OC6	2/14/2017 7:33		44.7	34.2	0	21.1	0.58	84	50	-0.8	-38.95	7	closed 1//4 turn,,,,,,
S2P10OC6	SEC2P10OC6	2/14/2017 7:33	ADJ	44.7	34.2	0	21.1	0.45	84	44	-0.6	-38.95	6.5	
S2P10OC6	SEC2P10OC6	3/9/2017 16:45		46.2	35	0	18.8	0.53	83	48	-0.7	-39.3	6	closed 1//4 turn,,,,,,
S2P10OC6	SEC2P10OC6	3/9/2017 16:45	ADJ	46.2	35	0	18.8	0.42	83	42	-0.4	-39.3	5	
S2P10OC6	SEC2P10OC6	4/11/2017 12:25		55	37	0	8	0.48	84	46	-0.7	-41.17	5	,,,,,,
S2P10OC6	SEC2P10OC6	4/11/2017 12:25	ADJ	55	37	0	8	0.6	84	51	-0.7	-41.17	6	
S2P10OC6	SEC2P10OC6	5/15/2017 14:31		46.1	35.1	0	18.8	0.1	88	22.8	-0.13	-43.15	6	Closed Valve > 1 turn: :
S2P10OC6	SEC2P10OC6	5/15/2017 14:31	ADJ	46.1	35.1	0	18.8	0.09	87.8	21.6	-0.14	-43.36	5	
S2P10OC6	SEC2P10OC6	6/1/2017 9:44		59.2	40.5	0	0.3	0.09	84.6	22.3	-0.13	-47.06	5	Opened Valve 1/2 to 1 turn: :
S2P10OC6	SEC2P10OC6	6/1/2017 9:44	ADJ	59.2	40.5	0	0.3	0.19	84.7	31.3	-0.29	-47.23	6	
S2P10OC6	SEC2P10OC6	7/19/2017 12:52		56.3	38.3	0	5.4	0.23	90.1	34.5	-0.2	-46.85	6	Opened Valve 1/2 turn or less: :
S2P10OC6	SEC2P10OC6	7/19/2017 12:52	ADJ	56.3	38.3	0	5.4	0.34	90.1	42.2	-0.44	-46.38	7	
S2P10OC6	SEC2P10OC6	8/9/2017 13:57		48.3	34.7	0.1	16.9	0.42	88.2	47.1	-0.61	-46.72	7	Closed Valve 1/2 turn or less: :
S2P10OC6	SEC2P10OC6	8/9/2017 13:57	ADJ	48.3	34.7	0.1	16.9	0.19	88.2	31.8	-0.32	-47.32	6	
S2P10OC6	SEC2P10OC6	9/22/2017 13:40		56.8	35.8	0.1	7.3	0.16	90.7	29.4	-0.34	-46.51	6	Opened Valve 1/2 turn or less: :
S2P10OC6	SEC2P10OC6	9/22/2017 13:40	ADJ	56.8	35.8	0.1	7.3	0.28	90.5	38.4	-0.48	-46.47	7	
S2P10OC6	SEC2P10OC6	10/20/2017 15:05		48.9	35.3	0	15.8	0.28	85.5	38.7	-0.51	-45.79	7	Closed Valve 1/2 turn or less: :
S2P10OC6	SEC2P10OC6	10/20/2017 15:05	ADJ	48.9	35.3	0	15.8	0.25	85.6	36.4	-0.34	-46.51	6	
S2P10OC6	SEC2P10OC6	11/17/2017 11:29		54.9	37.7	0	7.4	0.19	77.4	31.7	-0.24	-47.57	6	No Change: :
S2P10OC6	SEC2P10OC6	11/17/2017 11:29	ADJ	54.9	37.7	0	7.4	0.26	77.4	37.7	-0.27	-47.02	6	
S2P10OC6	SEC2P10OC6	12/8/2017 9:12		53.2	38.6	0.1	8.1	0.25	74.7	36.7	-0.25	-47.23	6	Closed Valve 1/2 turn or less: :
S2P10OC6	SEC2P10OC6	12/8/2017 9:12	ADJ	53.2	38.6	0.1	8.1	0.17	74.5	30	-0.17	-46.81	5	
S2P11OC2	SEC2P11OC2	1/17/2017 14:11		55.4	41.1	0	3.5	22.21	94	314	-19.1	-40.38	44	,,,,,,
S2P11OC2	SEC2P11OC2	1/17/2017 14:11	ADJ	55.4	41.1	0	3.5	14.43	94	252	-19.3	-40.38	44	
S2P11OC2	SEC2P11OC2	2/14/2017 10:58		52.4	40.8	0	6.8	3.22	92	116	-19.6	-42.66	44	no change,,,,,,
S2P11OC2	SEC2P11OC2	2/14/2017 10:58	ADJ	52.4	40.8	0	6.8	3.19	92	115	-19.8	-42.66	44	
S2P11OC2	SEC2P11OC2	3/10/2017 8:00		52.5	41	0	6.5	2.5	89	102	-20.5	-43.55	44	no change,,,,,,
S2P11OC2	SEC2P11OC2	3/10/2017 8:00	ADJ	52.5	41	0	6.5	4.65	89	140	-20.4	-43.55	44	
S2P11OC2	SEC2P11OC2	4/11/2017 15:05		54.5	44.3	0	1.2	3.08	85	113	-20.5	-44.36	44	,,,,,,
S2P11OC2	SEC2P11OC2	4/11/2017 15:05	ADJ	54.5	44.3	0	1.2	3.79	85	126	-20.6	-44.36	44	
S2P11OC2	SEC2P11OC2	5/15/2017 13:29		47.4	46.5	0.2	5.9	3.76	90.3	133.2	-21.58	-44.17	44	Closed Valve > 1 turn: :
S2P11OC2	SEC2P11OC2	5/15/2017 13:29	ADJ	47.4	46.5	0.2	5.9	2.24	90.3	103.5	-18.67	-45.57	43	
S2P11OC2	SEC2P11OC2	6/1/2017 16:10		47	47	0	6	1.93	91	95.8	-18.45	-51.15	43	Closed Valve > 1 turn: :
S2P11OC2	SEC2P11OC2	6/1/2017 16:10	ADJ	47	47	0	6	1.73	90.9	91.4	-14.86	-48.94	42	
S2P11OC2	SEC2P11OC2	7/19/2017 16:10		50.5	44.9	0	4.6	1.41	90.1	82.8	-14.23	-50.51	42	No Change: :
S2P11OC2	SEC2P11OC2	7/19/2017 16:10	ADJ	50.5	44.9	0	4.6	1.71	90.1	91.2	-14.19	-47.11	42	
S2P11OC2	SEC2P11OC2	8/9/2017 13:07		51.7	43.1	0.2	5	1.95	89.4	97.3	-14.32	-48.64	42	No Change: :
S2P11OC2	SEC2P11OC2	8/9/2017 13:07	ADJ	51.7	43.1	0.2	5	1.98	89.4	98.1	-14.61	-49.4	42	
S2P11OC2	SEC2P11OC2	9/22/2017 14:05		50.5	42.1	0.2	7.2	1.93	91.8	96.9	-14.53	-47.23	42	No Change: :
S2P11OC2	SEC2P11OC2	9/22/2017 14:05	ADJ	50.5	42.1	0.2	7.2	1.61	91.9	88.4	-14.86	-49.11	42	
S2P11OC2	SEC2P11OC2	10/20/2017 13:24		53	42.5	0.1	4.4	1.98	90.1	98.1	-14.65	-49.02	42	No Change: :
S2P11OC2	SEC2P11OC2	10/20/2017 13:24	ADJ	53	42.5	0.1	4.4	1.86	90.1	95.1	-14.99	-47.79	42	
S2P11OC2	SEC2P11OC2	11/17/2017 11:11		54.9	42.8	0	2.3	2.03	87.8	99.8	-15.5	-51.06	42	No Change: :
S2P11OC2	SEC2P11OC2	11/17/2017 11:11	ADJ	54.9	42.8	0	2.3	1.9	87.8	96.8	-15.03	-50.21	42	
S2P11OC2	SEC2P11OC2	12/8/2017 9:36		52.9	43.8	0.3	3	1.76	87.6	92.8	-15.71	-49.53	42	Closed Valve 1/2 turn or less: :
S2P11OC2	SEC2P11OC2	12/8/2017 9:36	ADJ	52.9	43.8	0.3	3	1.61	87.6	88.9	-14.32	-49.06	41	
S2P11OC3	SEC2P11OC3	1/17/2017 13:59		58.7	41.2	0	1	25.83	80	349	-10.6	-35.93	70	,,,,,,
S2P11OC3	SEC2P11OC3	1/17/2017 13:59	ADJ	58.7	41.2	0	1	18.02	80	290	-10.8	-35.93	70	
S2P11OC3	SEC2P11OC3	2/14/2017 10:54		59.6	40.3	0	1	6.32	80	170	-11.2	-38.1	70	opened 1/2 turn,,,,,,
S2P11OC3	SEC2P11OC3	2/14/2017 10:54	ADJ	59.6	40.3	0	1	7.45	80	185	-11.1	-38.1	71	
S2P11OC3	SEC2P11OC3	3/10/2017 7:56		56.5	38.5	0	5	8.29	78	195	-11.1	-38.55	72	opened 1/2 turn,,,,,,
S2P11OC3	SEC2P11OC3	3/10/2017 7:56	ADJ	56.5	38.5	0	5	6.13	78	167	-11.3	-38.55	73	
S2P11OC3	SEC2P11OC3	4/11/2017 15:17		57.9	40.5	0	1.6	7.6	81	186	-11.5	-38.33	73	,,,,,,
S2P11OC3	SEC2P11OC3	4/11/2017 15:17	ADJ	57.9	40.5	0	1.6	7.66	81	186	-11.8	-38.33	75	
S2P11OC3	SEC2P11OC3	5/15/2017 13:36		53	42.7	0.3	4	8.58	80.4	208.2	-11.61	-41.32	75	No Change: :
S2P11OC3	SEC2P11OC3	5/15/2017 13:36	ADJ	53	42.7	0.3	4	7.88	80.6	199.3	-11.87	-39.57	75	
S2P11OC3	SEC2P11OC3	6/2/2017 8:05		54.3	41.4	0.2	4.1	9.32	81.1	214.9	-13.81	-44.6	75	Opened Valve > 1 turn: :
S2P11OC3	SEC2P11OC3	6/2/2017 8:05	ADJ	54.3	41.4	0.2	4.1	8.42	81	204.4	-13.56	-46.26	76	
S2P11OC3	SEC2P11OC3	7/19/2017 16:34		54	40.3	0.6	5.1	9.23	82	214	-13.05	-43.23	76	Opened Valve 1/2 turn or less: :
S2P11OC3	SEC2P11OC3	7/19/2017 16:34	ADJ	54	40.3	0.6	5.1	9.96	82	222.2	-13.3	-42.81	77	
S2P11OC3	SEC2P11OC3	8/9/2017 13:18		54.5	40.5	0.3	4.7	9.26	83.5	214.1	-12.67	-42.72	77	Opened Valve 1/2 turn or less: :
S2P11OC3	SEC2P11OC3	8/9/2017 13:18	ADJ	54.5	40.5	0.3	4.7	9.42	83.5	215.6	-13.13	-44.94	78	
S2P11OC3	SEC2P11OC3	9/22/2017 14:01		54.3	38	0.5	7.2	10.04	87.3	222.9	-12.67	-41.83	78	No Change: :
S2P11OC3	SEC2P11OC3	9/22/2017 14:01	ADJ	54.3	38	0.5	7.2	6.63	87.3	180.9	-13.09	-43.53	78	
S2P11OC3	SEC2P11OC3	10/20/2017 13:19		56.4	41.7	0	1.9	10.37	85.8	225.9	-14.23	-43.45	78	Opened Valve 1/2 turn or less: :
S2P11OC3	SEC2P11OC3	10/20/2017 13:19	ADJ	56.4	41.7	0	1.9	11.16	85.8	233.8	-15.24	-44.17	79	
S2P11OC3	SEC2P11OC3	11/17/2017 11:07		58.2	40.7	0	1.1	7.7	84	196.2	-13.26	-42.72	79	Opened Valve 1/2 turn or less: :
S2P11OC3	SEC2P11OC3	11/17/2017 11:07	ADJ	58.2	40.7	0	1.1	9.54	84	218	-13.89	-43.23	80	
S2P11OC3	SEC2P11OC3	12/8/2017 9:32		56.2	41.6	0.3	1.9	9.78	83.1	220.3	-13.89	-42.51	80	Opened Valve 1/2 turn or less: :
S2P11OC3	SEC2P11OC3	12/8/2017 9:32	ADJ	56.2	41.6	0.3	1.9	9.3	83.1	214.7	-14.06	-43.96	82	
Clean-out														
S2P09LC2	SEC2P09LCO2	1/17/2017 14:57		35.6	30.3	0	34.1	23.56	46	191	-16.3	-37.44	0	,,,,,,
S2P09LC2	SEC2P09LCO2	1/17/2017 14:57	ADJ	35.6	30.3	0	34.1	18.55	46	170	-11.8	-37.44	1	
S2P09LC2	SEC2P09LCO2	2/14/2017 7:29		0	0.1	20.7	79.2	0.01	30	3	-35.6	-39.08	1	opened 1/4 turn,,,,,,

Seven Mile Creek Landfill

Gas Extraction Report

Well ID	Alias	Date/Time	ADJ	CH4 (%)	CO2 (%)	O2 (%)	Balance (%)	Diff. Press. (in. H2O)	Temp. (deg. F)	Flow (scfm)	Well Pres. (in. H2O)	Header Pres. (in. H2O)	Valve Setting (% Open)	Comments
S2P09LC2	SEC2P09LCO2	2/14/2017 7:29	ADJ	0	0.1	20.7	79.2	0.01	30	3	-33.6	-39.08	0	
S2P09LC2	SEC2P09LCO2	2/14/2017 11:06		3.1	3.9	18.6	74.4	-0.03	44	---	-0.2	-39.77	0	opened 1/4 turn,,,,,,,
S2P09LC2	SEC2P09LCO2	2/14/2017 11:06	ADJ	3.1	3.9	18.6	74.4	-0.03	44	---	-1.2	-39.77	5	
S2P09LC2	SEC2P09LCO2	2/14/2017 11:08		3.1	4	18.6	74.3	-0.05	44	---	-2	-39.08	5	opened 1/2 turn,,,,,,,
S2P09LC2	SEC2P09LCO2	2/14/2017 11:08	ADJ	3.1	4	18.6	74.3	8.59	48	110	-29.7	-39.08	100	
S2P09LC2	SEC2P09LCO2	2/14/2017 11:11		29.4	27.1	0.1	43.4	1.52	48	45	-36.2	-39.41	100	closed 1/2 turn,,,,,,,
S2P09LC2	SEC2P09LCO2	2/14/2017 11:11	ADJ	29.4	27.1	0.1	43.4	-0.02	48	45	-21.8	-39.41	0	
S2P09LC2	SEC2P09LCO2	3/9/2017 16:51		19	22.8	0.3	57.9	0.03	30	5	-23.4	-39.99	1	opened 1/4 turn,,,,,,,
S2P09LC2	SEC2P09LCO2	3/9/2017 16:51	ADJ	19	22.8	0.3	57.9	0.13	30	13	-22.7	-39.99	2	
S2P09LC2	SEC2P09LCO2	4/11/2017 12:22		20.1	26.9	0	53	0.09	50	19	-16.8	-41.2	2	,,,,,,,
S2P09LC2	SEC2P09LCO2	4/11/2017 12:22	ADJ	20.1	26.9	0	53	0.01	50	5	-16.9	-41.2	2	
S2P09LC2	SEC2P09LCO2	5/15/2017 14:27		1.4	21.7	0.4	76.5	0	71.6	4.5	-42.36	-43.06	2	No Change: :
S2P09LC2	SEC2P09LCO2	5/15/2017 14:27	ADJ	1.4	21.7	0.4	76.5	0.01	71.6	5	-42.57	-42.98	2	
S2P09LC2	SEC2P09LCO2	6/1/2017 9:50		0.1	0.2	23.7	76	0	75.9	0	-45.27	-46.55	2	Closed Valve > 1 turn: :
S2P09LC2	SEC2P09LCO2	6/1/2017 9:50	ADJ	0.1	0.2	23.7	76	0	76.6	0	-45.27	-46.85	1	
S2P09LC2	SEC2P09LCO2	6/1/2017 14:42		48.1	36.4	0.1	15.4	1.98	71.1	96.5	-27.11	-45.87	2	Closed Valve > 1 turn: :
S2P09LC2	SEC2P09LCO2	6/1/2017 14:42	ADJ	48.1	36.4	0.1	15.4	0.1	71.6	22.1	-20.61	-46.34	1	
S2P09LC2	SEC2P09LCO2	7/19/2017 12:48		48.4	33.8	0.6	17.2	0.13	78.8	23.8	-35.14	-46.6	1	No Change: :
S2P09LC2	SEC2P09LCO2	7/19/2017 12:48	ADJ	48.4	33.8	0.6	17.2	0.1	79.5	21.6	-34.46	-46.72	1	
S2P09LC2	SEC2P09LCO2	8/9/2017 13:53		0.1	0.2	22.3	77.4	0	78.8	0	-46.71	-47.32	1	Closed Valve 1/2 turn or less: :
S2P09LC2	SEC2P09LCO2	8/9/2017 13:53	ADJ	0.1	0.2	22.3	77.4	0	79.2	0	-46.75	-46.81	1	
S2P09LC2	SEC2P09LCO2	8/10/2017 7:39		30.2	28.7	0.1	41	0	68.4	0	-22.64	-47.15	1	Closed Valve 1/2 turn or less: :
S2P09LC2	SEC2P09LCO2	8/10/2017 7:39	ADJ	30.2	28.7	0.1	41	0	68.4	0	-14.7	-47.4	1	
S2P09LC2	SEC2P09LCO2	9/22/2017 13:37		2.6	3.5	19.1	74.8	0.01	101.8	5	-46.11	-46.3	3	Closed Valve 1/2 turn or less: :
S2P09LC2	SEC2P09LCO2	9/22/2017 13:37	ADJ	2.6	3.5	19.1	74.8	0	101.8	0	-46.28	-46.38	2	
S2P09LC2	SEC2P09LCO2	9/22/2017 14:59		54.4	34.6	0.2	10.8	0	86.9	0	-44.21	-45.19	1	Opened Valve 1/2 turn or less: :
S2P09LC2	SEC2P09LCO2	9/22/2017 14:59	ADJ	54.4	34.6	0.2	10.8	0.02	86.5	9.4	-44.93	-44.94	3	
S2P09LC2	SEC2P09LCO2	10/20/2017 15:00		29	22	4.9	44.1	0.03	80.6	11.1	-45.65	-45.36	3	Opened Valve > 1 turn: :
S2P09LC2	SEC2P09LCO2	10/20/2017 15:00	ADJ	29	22	4.9	44.1	0.02	80.8	8.5	-45.65	-45.62	4	
S2P09LC2	SEC2P09LCO2	11/17/2017 11:22		0.1	0.7	23.4	75.8	0.36	50.2	43.3	-20.65	-47.02	4	Opened Valve 1/2 turn or less: :
S2P09LC2	SEC2P09LCO2	11/17/2017 11:22	ADJ	0.1	0.7	23.4	75.8	0.63	48.2	56.8	-20.1	-47.15	3	
S2P09LC2	SEC2P09LCO2	11/17/2017 11:24		42.4	30.9	0.2	26.5	0.17	54.3	28.8	-26.35	-46.68	3	Closed Valve 1/2 turn or less: :
S2P09LC2	SEC2P09LCO2	11/17/2017 11:24	ADJ	42.4	30.9	0.2	26.5	0.09	52.5	21.5	-26.98	-46.68	2	
S2P09LC2	SEC2P09LCO2	12/8/2017 9:05		0.1	0.1	23.7	76.1	33.78	26.4	396.9	-46.71	-46.98	2	Opened Valve > 1 turn: :
S2P09LC2	SEC2P09LCO2	12/8/2017 9:05	ADJ	0.1	0.1	23.7	76.1	33.78	26.1	396.5	-47	-47.32	3	
S2P09LC2	SEC2P09LCO2	12/8/2017 11:00		34.6	31.4	0.4	33.6	0.04	49.3	13.1	-32.9	-47.57	3	Closed Valve 1/2 turn or less: :
S2P09LC2	SEC2P09LCO2	12/8/2017 11:00	ADJ	34.6	31.4	0.4	33.6	0.06	46.2	17.8	-29.14	-47.62	1	
S2P10LC1	SEC2P10LCO1	1/17/2017 15:08		58.6	37.2	0	4.2	21.52	73	327	-0.6	-36.73	6	,,,,,,,
S2P10LC1	SEC2P10LCO1	1/17/2017 15:08	ADJ	58.6	37.2	0	4.2	11.6	73	239	-0.7	-36.73	6	
S2P10LC1	SEC2P10LCO1	2/14/2017 7:40		43.9	33.3	0	22.8	0.24	73	32	-0.4	-39.19	6	closed 1//4 turn,,,,,,,
S2P10LC1	SEC2P10LCO1	2/14/2017 7:40	ADJ	43.9	33.3	0	22.8	0.21	73	29	-0.3	-39.19	5.5	
S2P10LC1	SEC2P10LCO1	3/9/2017 16:36		40.3	32.3	0.3	27.1	0.26	72	33	-0.2	-39.73	5	closed 1//4 turn,,,,,,,
S2P10LC1	SEC2P10LCO1	3/9/2017 16:36	ADJ	40.3	32.3	0.3	27.1	0.22	72	30	-0.2	-39.73	4	
S2P10LC1	SEC2P10LCO1	4/11/2017 12:31		51.4	35.9	0	12.7	0.18	72	28	-0.2	-41.06	4	,,,,,,,
S2P10LC1	SEC2P10LCO1	4/11/2017 12:31	ADJ	51.4	35.9	0	12.7	0.22	72	31	-0.2	-41.06	4	
S2P10LC1	SEC2P10LCO1	5/15/2017 14:40		44.5	34.8	0.1	20.6	0.17	79	30.6	-0.28	-42.89	4	Closed Valve 1/2 to 1 turn: :
S2P10LC1	SEC2P10LCO1	5/15/2017 14:40	ADJ	44.5	34.8	0.1	20.6	0.08	78.8	20.7	-0.15	-43.74	3	
S2P10LC1	SEC2P10LCO1	6/1/2017 9:39		56.8	37.9	0	5.3	0.09	77.2	22.4	-0.15	-47.06	3	Closed Valve > 1 turn: :
S2P10LC1	SEC2P10LCO1	6/1/2017 9:39	ADJ	56.8	37.9	0	5.3	0.05	77	16.8	-0.05	-47.15	2	
S2P10LC1	SEC2P10LCO1	7/19/2017 12:58		55.9	38.8	0	5.3	0.07	86	19.5	-0.09	-45.7	2	Opened Valve 1/2 turn or less: :
S2P10LC1	SEC2P10LCO1	7/19/2017 12:58	ADJ	55.9	38.8	0	5.3	0.13	85.5	25.8	-0.18	-45.79	3	
S2P10LC1	SEC2P10LCO1	8/9/2017 14:03		44.6	34.8	0.1	20.5	0.19	80.4	32.1	-0.33	-46.85	3	Closed Valve 1/2 turn or less: :
S2P10LC1	SEC2P10LCO1	8/9/2017 14:03	ADJ	44.6	34.8	0.1	20.5	0.1	80.4	22.7	-0.13	-47.19	2	
S2P10LC1	SEC2P10LCO1	9/22/2017 13:48		55.8	34.5	0	9.7	0.1	84.6	23	-0.16	-46.81	2	Opened Valve 1/2 to 1 turn: :
S2P10LC1	SEC2P10LCO1	9/22/2017 13:48	ADJ	55.8	34.5	0	9.7	0.12	84.4	25	-0.21	-46.3	3	
S2P10LC1	SEC2P10LCO1	10/20/2017 15:12		46.6	34.5	0	18.9	0.14	77	27.2	-0.18	-46.43	3	Closed Valve 1/2 turn or less: :
S2P10LC1	SEC2P10LCO1	10/20/2017 15:12	ADJ	46.6	34.5	0	18.9	0.08	77	21	-0.09	-45.7	2	
S2P10LC1	SEC2P10LCO1	11/17/2017 11:38		54.8	36.3	0	8.9	0.38	61	45.9	-0.05	-47.06	2	No Change: :
S2P10LC1	SEC2P10LCO1	11/17/2017 11:38	ADJ	54.8	36.3	0	8.9	0.36	61	44.7	-0.05	-47.02	2	
S2P10LC1	SEC2P10LCO1	12/8/2017 9:20		48.2	37.7	0	14.1	0.15	57.6	29	-0.02	-46.85	2	No Change: :
S2P10LC1	SEC2P10LCO1	12/8/2017 9:20	ADJ	48.2	37.7	0	14.1	0.14	57.4	27.8	-0.02	-47.32	2	
S2P4ALC1	SEC2P4ALCO1	1/16/2017 16:34		36.7	25.9	7.1	30.3	2.48	65	107	-4.1	-45.55	0	,,,,,,,
S2P4ALC1	SEC2P4ALCO1	1/16/2017 16:34	ADJ	36.7	25.9	7.1	30.3	-3.53	64	107	-4	-45.55	1	
S2P4ALC1	SEC2P4ALCO1	1/16/2017 16:38		35.1	24.7	7.4	32.8	1.86	65	92	-3.8	-46.01	1	,,,,,,,
S2P4ALC1	SEC2P4ALCO1	1/16/2017 16:38	ADJ	35.1	24.7	7.4	32.8	-3.73	64	92	-3.7	-46.01	0	
S2P4ALC1	SEC2P4ALCO1	1/25/2017 16:23		17.9	13.3	16	52.8	0.1	43	20	-0.2	-41.19	0	,,,,,,,
S2P4ALC1	SEC2P4ALCO1	1/25/2017 16:23	ADJ	17.9	13.3	16	52.8	0	43	2	0	-41.19	1	
S2P4ALC1	SEC2P4ALCO1	1/25/2017 16:23		17.9	13.3	16	52.8	0.1	43	20	-0.2	-41.19	0	,,,,,,,
S2P4ALC1	SEC2P4ALCO1	1/25/2017 16:23	ADJ	17.9	13.3	16	52.8	0	43	2	0	-41.19	1	
S2P4ALC1	SEC2P4ALCO1	1/25/2017 16:30		20.4	14.8	15.2	49.6	0.14	40	25	-0.2	-40.7	1	,,,,,,,
S2P4ALC1	SEC2P4ALCO1	1/25/2017 16:30	ADJ	20.4	14.8	15.2	49.6	0.14	40	25	-0.2	-40.7	1	
S2P4ALC1	SEC2P4ALCO1	1/25/2017 16:30		20.4	14.8	15.2	49.6	0.14	40	25	-0.2	-40.7	1	,,,,,,,
S2P4ALC1	SEC2P4ALCO1	1/25/2017 16:30	ADJ	20.4	14.8	15.2	49.6	0.14	40	25	-0.2	-40.7	1	
S2P4ALC1	SEC2P4ALCO1	1/26/2017 9:16		32.8	22.6	9.7	34.9	-0.01	29	---	0	-42.69	1	,,,,,,,
S2P4ALC1	SEC2P4ALCO1	1/26/2017 9:16	ADJ	32.8	22.6	9.7	34.9	0	29	---	0	-42.69	2	
S2P4ALC1	SEC2P4ALCO1	1/26/2017 9:16		32.8	22.6	9.7	34.9	-0.01	29	---	0	-42.69	---	,,,,,,,
S2P4ALC1	SEC2P4ALCO1	1/26/2017 9:16	ADJ	32.8	22.6	9.7	34.9	0	29	---	0	-42.69	---	
S2P4ALC1	SEC2P4ALCO1	1/26/2017 9:19		32.7	22.8	9.9	34.6	0.01	31	6	0	-41.92	---	,,,,,,,
S2P4ALC1	SEC2P4ALCO1	1/26/2017 9:19	ADJ	32.7	22.8	9.9	34.6	0.33	43	39	-0.5	-41.92	---	
S2P4ALC1	SEC2P4ALCO1	1/26/2017 9:19		32.7	22.8	9.9	34.6	0.01	31	6	0	-41.92	2	,,,,,,,
S2P4ALC1	SEC2P4ALCO1	1/26/2017 9:19	ADJ	32.7	22.8	9.9	34.6	0.33	43	39	-0.5	-41.92	15	
S2P4ALC1	SEC2P4ALCO1	1/26/2017 9:21		19.8	14.8	15.2	50.2	0.36	51	40	-0.5	-42.08	---	,,,,,,,
S2P4ALC1	SEC2P4ALCO1	1/26/2017 9:21	ADJ	19.8	14.8	15.2	50.2	0.23	51	32	-0.2	-42.08	---	
S2P4ALC1	SEC2P4ALCO1	1/26/2017 9:21		19.8	14.8	15.2	50.2	0.36	51	40	-0.5	-42.08	15	,,,,,,,
S2P4ALC1	SEC2P4ALCO1	1/26/2017 9:21	ADJ	19.8	14.8	15.2	50.2	0.23	51	32	-0.2	-42.08	0	
S2P4ALC1	SEC2P4ALCO1	2/6/2017 16:03		37.9	25.7	7	29.4	0.02	38	9	0	-45.67	---	opened 1/4 turn,,,,,,,
S2P4ALC1	SEC2P4ALCO1	2/6/2017 16:03	ADJ	37.9	25.7	7	29.4	0.04	38	12	0	-45.67	---	
S2P4ALC1	SEC2P4ALCO1	2/6/2017 16:03		37.9	25.7	7	29.4	0.02	38	9	0	-45.67	---	opened 1/4 turn,,,,,,,
S2P4ALC1	SEC2P4ALCO1	2/6/2017 16:03	ADJ	37.9	25.7	7	29.4	0.04	38	12	0	-45.67	---	
S2P4ALC1	SEC2P4ALCO1	2/7/2017 14:11		47.6	32	4.2	16.2	0	30	5	0	-43.65	---	opened 1/4 turn,,,,,,,
S2P4ALC1	SEC2P4ALCO1	2/7/2017 14:11	ADJ	47.6	32	4.2	16.2	-0.03	30	5	0	-43.65	---	
S2P4ALC1	SEC2P4ALCO1	2/7/2017 14:11		47.6	32	4.2	16.2	0	30	5	0	-43.65	---	opened 1/4 turn,,,,,,,
S2P4ALC1	SEC2P4ALCO1	2/7/2017 14:11	ADJ	47.6	32	4.2	16.2	-0.03	30	5	0	-43.65	---	
S2P4ALC1	SEC2P4ALCO1	2/7/2017 14:16		42.7	29.1	5.9	22.3	0.18	0	29	-0.2	-43.93	---	opened 1/4 turn,,,,,,,
S2P4ALC1	SEC2P4ALCO1	2/7/2017 14:16	ADJ	42.7	29.1	5.9	22.3	0.05	30	15	-0.1	-43.93	---	
S2P4ALC1	SEC2P4ALCO1	2/7/2017 14:16		42.7	29.1	5.9	22.3	0.18	0	29	-0.2	-43.93	---	opened 1/4 turn,,,,,,,
S2P4ALC1	SEC2P4ALCO1	2/7/2017 14:16	ADJ	42.7	29.1	5.9	22.3	0.05	30	15	-0.1	-43.93	---	
S2P4ALC1	SEC2P4ALCO1	2/8/2017 10:48		17.6	12.8	15	54.6	0.06	23	16	-0.1	-44	---	opened 1/2 turn,,,,,,,
S2P4ALC1	SEC2P4ALCO1	2/8/2017 10:48	ADJ	17.6	12.8	15	54.6	0.01	25	6	0	-44	---	
S2P4ALC1	SEC2P4ALCO1	2/9/2017 15:07		27.1	19.3	11.8	41.8	0.28	40	36	-0.2	-43.88	0	opened 1/2 turn,,,,,,,
S2P4ALC1	SEC2P4ALCO1	2/9/2017 15:07	ADJ	27.1	19.3	11.8	41.8	0.22	40	31	-0.3	-43.88	---	
S2P4ALC1	SEC2P4ALCO1	2/13/2017 15:15		23	17.7	10.4	48.9	-0.02	48	---	0	-44.2	0	opened 1/4 turn,,,,,,,
S2P4ALC1	SEC2P4ALCO1	2/13/2017 15:15	ADJ	23	17.7	10.4	48.9	-0.02	48	---	0	-44.2	5	
S2P4ALC1	SEC2P4ALCO1	2/13/2017 15:17		55.1	35.3	1.5	8.1	0.16	4	28	-0.1	-43.46	5	opened 1/2 turn,,,,,,,
S2P4ALC1	SEC2P4ALCO1	2/13/2017 15:17	ADJ	55.1	35.3	1.5	8.1	-0.01	48	28	-0.1	-43.46	0	
S2P4BLC1	SEC2P4BLCO1	1/16/2017 16:17		41.7	28.6	5.9	23.8	0.6	42	53	-3.6	-47.03	1	,,,,,,,

Seven Mile Creek Landfill

Gas Extraction Report

Well ID	Alias	Date/Time	ADJ	CH4 (%)	CO2 (%)	O2 (%)	Balance (%)	Diff. Press. (in. H2O)	Temp. (deg. F)	Flow (scfm)	Well Pres. (in. H2O)	Header Pres. (in. H2O)	Valve Setting (% Open)	Comments
S2P4BLC1	SEC2P4BLCO1	1/16/2017 16:17	ADJ	41.7	28.6	5.9	23.8	-6.59	42	53	-3.6	-47.03	1	
S2P4BLC1	SEC2P4BLCO1	1/16/2017 16:20		44.3	30.6	4.7	20.4	2.8	54	115	-4	-45.75	1	,,,,,,
S2P4BLC1	SEC2P4BLCO1	1/16/2017 16:20	ADJ	44.3	30.6	4.7	20.4	-3.73	54	115	-3.9	-45.75	1	
S2P4BLC1	SEC2P4BLCO1	1/17/2017 16:04		49	30.7	4.8	15.5	18.63	61	306	-0.2	-42.51	1	,,,,,,
S2P4BLC1	SEC2P4BLCO1	1/17/2017 16:04	ADJ	49	30.7	4.8	15.5	11.33	61	237	-0.1	-42.51	1	
S2P4BLC1	SEC2P4BLCO1	2/7/2017 14:07		40.2	27	9.9	22.9	0.1	40	21	-0.1	-42.13	---	opened 1/4 turn,,,,,,
S2P4BLC1	SEC2P4BLCO1	2/7/2017 14:07	ADJ	40.2	27	9.9	22.9	0.15	40	26	-0.2	-42.13	---	
S2P4BLC1	SEC2P4BLCO1	2/7/2017 14:07		40.2	27	9.9	22.9	0.1	40	21	-0.1	-42.13	---	opened 1/4 turn,,,,,,
S2P4BLC1	SEC2P4BLCO1	2/7/2017 14:07	ADJ	40.2	27	9.9	22.9	0.15	40	26	-0.2	-42.13	---	
S2P4BLC1	SEC2P4BLCO1	2/8/2017 10:53		24.1	16.6	12.1	47.2	0.07	56	17	-0.9	-43.35	---	opened 1/2 turn,,,,,,
S2P4BLC1	SEC2P4BLCO1	2/8/2017 10:53	ADJ	24.1	16.6	12.1	47.2	0.17	56	27	-0.6	-43.35	---	
S2P4BLC1	SEC2P4BLCO1	2/9/2017 15:02		62.4	37.4	0.1	1	0.16	30	28	-0.2	-42.55	---	opened 1/2 turn,,,,,,
S2P4BLC1	SEC2P4BLCO1	2/9/2017 15:02	ADJ	62.4	37.4	0.1	1	0.12	30	24	-0.2	-42.55	---	
S2P4BLC1	SEC2P4BLCO1	3/9/2017 10:46		16.9	12.1	15	56	0.04	66	13	-0.1	-45.46	1	opened 1/2 turn,,,,,,
S2P4BLC1	SEC2P4BLCO1	3/9/2017 10:46	ADJ	16.9	12.1	15	56	0.08	61	18	-0.1	-45.46	1	
S2P4BLC1	SEC2P4BLCO1	3/9/2017 16:27		62.1	37.4	0.4	1	0.06	35	16	0	-44.9	1	opened 1/4 turn,,,,,,
S2P4BLC1	SEC2P4BLCO1	3/9/2017 16:27	ADJ	62.1	37.4	0.4	1	0.06	35	16	0	-44.9	2	
S2P4BLC1	SEC2P4BLCO1	3/10/2017 9:32		17	10.9	14	58.1	0.43	60	43	-1.1	-42.72	---	opened 1/4 turn,,,,,,
S2P4BLC1	SEC2P4BLCO1	3/10/2017 9:32	ADJ	17	10.9	14	58.1	0.46	60	45	-1.1	-42.72	---	
S2P4BLC1	SEC2P4BLCO1	3/10/2017 11:03		21.4	13.7	13.4	51.5	0.19	60	29	-0.6	-45.04	---	opened 1/4 turn,,,,,,
S2P4BLC1	SEC2P4BLCO1	3/10/2017 11:03	ADJ	21.4	13.7	13.4	51.5	-0.5	60	29	0	-45.04	---	
S2P4BLC1	SEC2P4BLCO1	3/13/2017 12:06		35	24.8	8.8	31.4	0.01	70	5	-0.5	-44.88	---	opened 1/4 turn,,,,,,
S2P4BLC1	SEC2P4BLCO1	3/13/2017 12:06	ADJ	35	24.8	8.8	31.4	0.03	70	10	-0.2	-44.88	---	
S2P4BLC1	SEC2P4BLCO1	3/13/2017 14:51		25.3	18.2	12	44.5	0.14	70	24	-0.2	-44.59	---	opened 1/2 turn,,,,,,
S2P4BLC1	SEC2P4BLCO1	3/13/2017 14:51	ADJ	25.3	18.2	12	44.5	0.1	70	20	-0.2	-44.59	---	
S2P4BLC1	SEC2P4BLCO1	3/14/2017 10:52		46	29.4	4.9	19.7	2.51	75	106	-10.1	-43.61	---	opened 1/2 turn,,,,,,
S2P4BLC1	SEC2P4BLCO1	3/14/2017 10:52	ADJ	46	29.4	4.9	19.7	2.12	75	98	-9.9	-43.61	---	
S2P4BLC1	SEC2P4BLCO1	4/11/2017 8:33		46.3	31.4	4.8	17.5	1.81	77	89	-10.8	-43.2	1	,,,,,,
S2P4BLC1	SEC2P4BLCO1	4/11/2017 8:33	ADJ	46.3	31.4	4.8	17.5	2.92	77	115	-7.1	-43.2	1	
S2P4BLC1	SEC2P4BLCO1	5/15/2017 8:37		41.7	26.8	5.2	26.3	0	72.1	0	-6.38	-31.91	1	Opened Valve > 1 turn: :
S2P4BLC1	SEC2P4BLCO1	5/15/2017 8:37	ADJ	41.7	26.8	5.2	26.3	0	72.5	0	-6.8	-32.26	1	
S2P4BLC1	SEC2P4BLCO1	5/15/2017 8:41		39.6	25.9	4	30.5	0	72.5	0	-6.67	-38.68	1	Opened Valve > 1 turn: :
S2P4BLC1	SEC2P4BLCO1	5/15/2017 8:41	ADJ	39.6	25.9	4	30.5	0	72.7	0	-9.25	-38.77	1	
S2P4BLC1	SEC2P4BLCO1	6/1/2017 8:31		40.6	27.4	4.6	27.4	0	75.2	0	-1.62	-49.74	1	Opened Valve > 1 turn: :
S2P4BLC1	SEC2P4BLCO1	6/1/2017 8:31	ADJ	40.6	27.4	4.6	27.4	0	74.7	0	-1.16	-49.87	2	
S2P4BLC1	SEC2P4BLCO1	7/19/2017 11:03		35.5	24.8	8.8	30.9	0.79	75.2	64.7	-1.51	-46.21	2	Opened Valve 1/2 turn or less: :
S2P4BLC1	SEC2P4BLCO1	7/19/2017 11:03	ADJ	35.5	24.8	8.8	30.9	0.8	75.4	64.9	-1.85	-45.83	3	
S2P4BLC1	SEC2P4BLCO1	7/20/2017 13:53		56.8	38.3	0	4.9	0.01	81.5	5.6	0.02	-48.72	3	Opened Valve 1/2 turn or less: :
S2P4BLC1	SEC2P4BLCO1	7/20/2017 13:53	ADJ	56.8	38.3	0	4.9	0.04	79.3	14.8	-0.04	-48.68	3	
S2P4BLC1	SEC2P4BLCO1	8/9/2017 8:19		14.8	10.7	17	57.5	0.01	72.1	7	-0.02	-50.13	3	Closed Valve 1/2 to 1 turn: :
S2P4BLC1	SEC2P4BLCO1	8/9/2017 8:19	ADJ	14.8	10.7	17	57.5	0.01	72	8.1	-0.01	-50.43	2	
S2P4BLC1	SEC2P4BLCO1	8/9/2017 15:34		40.8	29.6	4.8	24.8	0	76.1	0	-0.22	-50.34	3	
S2P4BLC1	SEC2P4BLCO1	8/9/2017 15:34	ADJ	40.8	29.6	4.8	24.8	0.02	76.1	11.4	-0.19	-50.34	2	
S2P4BLC1	SEC2P4BLCO1	9/22/2017 7:59		4.6	2.6	21.7	71.1	0	70.5	0	-0.02	-51.11	3	Opened Valve 1/2 to 1 turn: :
S2P4BLC1	SEC2P4BLCO1	9/22/2017 7:59	ADJ	4.6	2.6	21.7	71.1	0	70.3	0	-0.06	-50.77	4	
S2P4BLC1	SEC2P4BLCO1	9/22/2017 13:54		58	38.3	0	3.7	0.05	84.6	16.5	-0.08	-49.62	2	Opened Valve 1/2 turn or less: :
S2P4BLC1	SEC2P4BLCO1	9/22/2017 13:54	ADJ	58	38.3	0	3.7	0.1	79.5	23.2	-0.22	-49.57	3	
S2P4BLC1	SEC2P4BLCO1	10/19/2017 13:58		5.6	5.5	20.5	68.4	0	68.9	0	-0.01	-50.38	1	Opened Valve 1/2 to 1 turn: :
S2P4BLC1	SEC2P4BLCO1	10/19/2017 13:58	ADJ	5.6	5.5	20.5	68.4	0.01	68	6.4	-0.22	-49.62	2	
S2P4BLC1	SEC2P4BLCO1	10/19/2017 14:34		24	18.9	13.7	43.4	0.29	75.4	39.4	-0.39	-48.47	2	Opened Valve 1/2 turn or less: :
S2P4BLC1	SEC2P4BLCO1	10/19/2017 14:34	ADJ	24	18.9	13.7	43.4	0.17	74.5	30.4	-0.11	-48.43	3	
S2P4BLC1	SEC2P4BLCO1	10/20/2017 11:37		41.3	30.5	4.7	23.5	0.04	76.5	15.4	-0.97	-49.19	3	Opened Valve 1/2 to 1 turn: :
S2P4BLC1	SEC2P4BLCO1	10/20/2017 11:37	ADJ	41.3	30.5	4.7	23.5	0.17	75.7	30.4	-1.29	-49.32	4	
S2P4BLC1	SEC2P4BLCO1	11/16/2017 12:46		26.8	19	12.4	41.8	0.16	70.3	29.2	-0.14	-51.53	4	Opened Valve 1/2 turn or less: :
S2P4BLC1	SEC2P4BLCO1	11/16/2017 12:46	ADJ	26.8	19	12.4	41.8	0.17	69.6	30	-0.16	-50.85	5	
S2P4BLC1	SEC2P4BLCO1	11/17/2017 9:30		40.5	26.4	4.8	28.3	0.05	75.2	16.8	-1.43	-49.36	4	Opened Valve 1/2 turn or less: :
S2P4BLC1	SEC2P4BLCO1	11/17/2017 9:30	ADJ	40.5	26.4	4.8	28.3	0.11	73.4	23.9	-0.91	-49.62	5	
S2P4BLC1	SEC2P4BLCO1	12/7/2017 11:39		29.7	20.9	11.9	37.5	0.07	68.2	19.2	-0.19	-0.34	5	Opened Valve 1/2 turn or less: :
S2P4BLC1	SEC2P4BLCO1	12/7/2017 11:39	ADJ	29.7	20.9	11.9	37.5	0.08	66	21.2	-0.28	-0.34	6	
S2P4BLC1	SEC2P4BLCO1	12/7/2017 12:44		40.5	28.3	4.9	26.3	2.07	73.8	98	-28.93	-42.94	6	Opened Valve > 1 turn: :
S2P4BLC1	SEC2P4BLCO1	12/7/2017 12:44	ADJ	40.5	28.3	4.9	26.3	1.82	73.8	89.5	-38.34	-45.53	7	
S2P7LCO2	SEC2P07LCO2	1/16/2017 15:48		60.3	39.6	0	1	2.68	86	111	-3.7	-49.54	6	,,,,,,
S2P7LCO2	SEC2P07LCO2	1/16/2017 15:48	ADJ	60.3	39.6	0	1	-5.54	87	111	-3.9	-49.54	7	
S2P7LCO2	SEC2P07LCO2	2/7/2017 14:30		60.9	39	0	1	-2.99	70	---	-1	-45.77	---	opened 1/2 turn,,,,,,
S2P7LCO2	SEC2P07LCO2	2/7/2017 14:30	ADJ	60.9	39	0	1	-1.87	70	---	-1.2	-45.77	---	
S2P7LCO2	SEC2P07LCO2	2/7/2017 14:30		60.9	39	0	1	-2.99	70	---	-1	-45.77	---	opened 1/2 turn,,,,,,
S2P7LCO2	SEC2P07LCO2	2/7/2017 14:30	ADJ	60.9	39	0	1	-1.87	70	---	-1.2	-45.77	---	
S2P7LCO2	SEC2P07LCO2	2/13/2017 14:43		31.5	21.7	8.7	38.1	0.24	80	31	-1.3	-46.03	7	closed 1/2 turn,,,,,,
S2P7LCO2	SEC2P07LCO2	2/13/2017 14:43	ADJ	31.5	21.7	8.7	38.1	0.28	80	34	-1.2	-46.03	5	
S2P7LCO2	SEC2P07LCO2	2/13/2017 14:45		32	22	8.7	37.3	0.24	80	31	-0.3	-46.7	5	closed 1/2 turn,,,,,,
S2P7LCO2	SEC2P07LCO2	2/13/2017 14:45	ADJ	32	22	8.7	37.3	-0.05	80	31	0	-46.7	0	
S2P7LCO2	SEC2P07LCO2	2/14/2017 11:18		61	38.9	0	1	-0.39	58	---	-0.4	-48.06	0	opened 1/2 turn,,,,,,
S2P7LCO2	SEC2P07LCO2	2/14/2017 11:18	ADJ	61	38.9	0	1	-0.38	58	---	-0.3	-48.06	0.5	
S2P7LCO2	SEC2P07LCO2	3/9/2017 10:04		60.3	39.4	0.1	0.2	0.14	63	25	-0.1	-48.27	1	opened 1/2 turn,,,,,,
S2P7LCO2	SEC2P07LCO2	3/9/2017 10:04	ADJ	60.3	39.4	0.1	0.2	-0.1	73	25	-0.3	-48.27	2	
S2P7LCO2	SEC2P07LCO2	4/11/2017 6:49		53.2	34.6	2.1	10.1	-0.05	78	---	-0.1	-49.17	2	,,,,,,
S2P7LCO2	SEC2P07LCO2	4/11/2017 6:49	ADJ	53.2	34.6	2.1	10.1	-0.15	78	---	-0.1	-49.17	2	
S2P7LCO2	SEC2P07LCO2	5/15/2017 8:02		60.2	37.8	0.1	1.9	0.02	85.3	9.1	-0.02	-49.96	2	Opened Valve 1/2 to 1 turn: :
S2P7LCO2	SEC2P07LCO2	5/15/2017 8:02	ADJ	60.2	37.8	0.1	1.9	0.22	86.7	34.1	-0.39	-50.04	3	
S2P7LCO2	SEC2P07LCO2	6/1/2017 7:56		36.9	24.9	7.7	30.5	1.87	93.7	98.3	-0.84	-52	3	Closed Valve > 1 turn: :
S2P7LCO2	SEC2P07LCO2	6/1/2017 7:56	ADJ	36.9	24.9	7.7	30.5	1.48	91.8	87.4	-0.45	-51.91	2	
S2P7LCO2	SEC2P07LCO2	6/1/2017 8:05		33.1	23.7	8.9	34.3	1.73	92.8	94.4	-1.18	-51.74	3	Closed Valve > 1 turn: :
S2P7LCO2	SEC2P07LCO2	6/1/2017 8:05	ADJ	33.1	23.7	8.9	34.3	1.17	93.9	77.6	-1.09	-51.62	2	
S2P7LCO2	SEC2P07LCO2	6/1/2017 14:49		60.1	39.6	0	0.3	1.02	86.5	73	-0.91	-53.06	3	Opened Valve > 1 turn: :
S2P7LCO2	SEC2P07LCO2	6/1/2017 14:49	ADJ	60.1	39.6	0	0.3	1.69	89.4	93.9	-1.57	-52.04	4	
S2P7LCO2	SEC2P07LCO2	7/19/2017 10:09		60.1	34.2	0.1	5.6	0.27	86.9	37.6	0.26	-54.47	5	Opened Valve 1/2 turn or less: :
S2P7LCO2	SEC2P07LCO2	7/19/2017 10:09	ADJ	60.1	34.2	0.1	5.6	0.26	89.1	36.7	-0.11	-54.72	6	
S2P7LCO2	SEC2P07LCO2	7/19/2017 10:11		62	37.4	0	0.6	0.08	89.1	20.8	-0.17	-55.36	4	Opened Valve 1/2 turn or less: :
S2P7LCO2	SEC2P07LCO2	7/19/2017 10:11	ADJ	62	37.4	0	0.6	0.08	89.1	20.8	-0.17	-55.36	5	
S2P7LCO2	SEC2P07LCO2	7/19/2017 10:14		59.4	39	0	1.6	0.17	90.7	29.4	-0.54	-55.15	4	No Change: :
S2P7LCO2	SEC2P07LCO2	7/19/2017 10:14	ADJ	59.4	39	0	1.6	0.18	90.7	30.7	-0.55	-54.98	4	
S2P7LCO2	SEC2P07LCO2	8/9/2017 7:44		41.8	27.7	6.4	24.1	0.66	94.3	58.5	-0.83	-52.94	4	Closed Valve 1/2 turn or less: :
S2P7LCO2	SEC2P07LCO2	8/9/2017 7:44	ADJ	41.8	27.7	6.4	24.1	0.32	94.1	40.4	-0.47	-53.19	3	
S2P7LCO2	SEC2P07LCO2	8/9/2017 7:53		46	30.5	4.9	18.6	0	93.4	0	-0.14	-53.06	4	Closed Valve 1/2 turn or less: :
S2P7LCO2	SEC2P07LCO2	8/9/2017 7:53	ADJ	46	30.5	4.9	18.6	0	91.9	0	-0.04	-53.06	3	
S2P7LCO2	SEC2P07LCO2	9/22/2017 7:33		62.5	37.5	0	0	0.67	87.1	59.5	-0.67	-54.09	3	Opened Valve 1/2 to 1 turn: :
S2P7LCO2	SEC2P07LCO2	9/22/2017 7:33	ADJ	62.5	37.5	0	0	0.49	88.2	50.7	-0.7	-53.66	4	
S2P7LCO2	SEC2P07LCO2	10/19/2017 13:27		48.6	33.3	3.9	14.2	0.05	90.3	16.5	-0.27	-52.51	4	Closed Valve 1/2 turn or less: :
S2P7LCO2	SEC2P07LCO2	10/19/2017 13:27	ADJ	48.6	33.3	3.9	14.2	0.01	89.4	8.6	-0.16	-52.94	3	
S2P7LCO2	SEC2P07LCO2	11/16/2017 9:28		57.7	36.1	1.4	4.8	0.17	82	29.9	-0.1	-55.66	3	Opened Valve 1/2 turn or less: :
S2P7LCO2	SEC2P07LCO2	11/16/2017 9:28	ADJ	57.7	36.1	1.4	4.8	0.22	83.5	34.1	-0.31	-55.32	4	
S2P7LCO2	SEC2P07LCO2	12/7/2017 11:01		40.1	27	6.2	26.7	0.17	89.8	29.7	-0.54	-55.32	4	Closed Valve > 1 turn: :
S2P7LCO2	SEC2P07LCO2	12/7/2017 11:01	ADJ	40.1	27	6.2	26.7	0.01	87.4	6.1	-0.11	-54.98	2	
S2P7LCO2	SEC2P07LCO2	12/8/2017 8:30		60.7	39.3	0	0	0	80.1	0	-0.02	-51.62	2	Opened Valve 1/2 to 1 turn: :
S2P7LCO2	SEC2P07LCO2	12/8/2017 8:30	ADJ	60.7	39.3	0	0	0.04	83.7	14	-0.23	-51.87	3	

Seven Mile Creek Landfill

Gas Extraction Report

Well ID	Alias	Date/Time	ADJ	CH4 (%)	CO2 (%)	O2 (%)	Balance (%)	Diff. Press. (in. H2O)	Temp. (deg. F)	Flow (scfm)	Well Pres. (in. H2O)	Header Pres. (in. H2O)	Valve Setting (% Open)	Comments
Supplemental														
S1NoMain	SEC1north_main	1/16/2017 13:46		48.9	38	0	13.1	0.54	44	141	-27.6	-62.18	---	,,,,,,,
S1NoMain	SEC1north_main	1/16/2017 13:46	ADJ	48.9	38	0	13.1	-5.83	44	141	-27.6	-62.18	---	
S1NoMain	SEC1north_main	1/17/2017 9:09		53.5	38.4	0	8.1	19.6	40	891	-22.3	-59.46	---	,,,,,,,
S1NoMain	SEC1north_main	1/17/2017 9:09	ADJ	53.5	38.4	0	8.1	11.46	40	679	-22.3	-59.46	---	
S1NoMain	SEC1north_main	1/25/2017 16:12		57.7	38.7	0	3.6	0.24	47	96	-13.1	-57.13	---	,,,,,,,
S1NoMain	SEC1north_main	1/25/2017 16:12	ADJ	57.7	38.7	0	3.6	0.15	47	75	-13	-57.13	---	
S1NoMain	SEC1north_main	1/25/2017 16:12		57.7	38.7	0	3.6	0.24	47	96	-13.1	-57.13	---	,,,,,,,
S1NoMain	SEC1north_main	1/25/2017 16:12	ADJ	57.7	38.7	0	3.6	0.15	47	75	-13	-57.13	---	
S1NoMain	SEC1north_main	1/25/2017 16:12		57.7	38.7	0	3.6	0.24	47	96	-13.1	-57.13	0	,,,,,,,
S1NoMain	SEC1north_main	1/25/2017 16:12	ADJ	57.7	38.7	0	3.6	0.15	47	75	-13	-57.13	---	
S1NoMain	SEC1north_main	2/13/2017 13:02		47.1	37.1	0	15.8	0.14	40	73	-14.2	-59.47	---	no change,,,,,,,
S1NoMain	SEC1north_main	2/13/2017 13:02	ADJ	47.1	37.1	0	15.8	0.11	40	65	-14.2	-59.47	---	
S1NoMain	SEC1north_main	2/14/2017 7:17		47.1	37.1	0	15.8	0.17	45	79	-12.9	-59.31	---	,,,,,,,
S1NoMain	SEC1north_main	2/14/2017 7:17	ADJ	47.1	37.1	0	15.8	0.2	45	85	-12.9	-59.31	0	
S1NoMain	SEC1north_main	3/9/2017 7:49		41.5	35	0.2	23.3	0.21	45	88	-14.1	-62.53	---	,,,,,,,
S1NoMain	SEC1north_main	3/9/2017 7:49	ADJ	41.5	35	0.2	23.3	0.17	45	78	-14.2	-62.53	---	
S1NoMain	SEC1north_main	3/10/2017 7:47		33.3	30	1.9	34.8	0.1	43	59	-13.7	-61.62	---	,,,,,,,
S1NoMain	SEC1north_main	3/10/2017 7:47	ADJ	33.3	30	1.9	34.8	0.2	43	84	-13.7	-61.62	---	
S1NoMain	SEC1north_main	4/10/2017 9:10		41.8	33.9	0	24.3	0.3	47	105	-12.4	-60.76	---	,,,,,,,
S1NoMain	SEC1north_main	4/10/2017 9:10	ADJ	41.8	33.9	0	24.3	0.29	47	103	-12.5	-60.76	---	
S1NoMain	SEC1north_main	4/11/2017 6:39		41.8	34.2	0	24	0.29	38	105	-12.3	-60.87	---	,,,,,,,
S1NoMain	SEC1north_main	4/11/2017 6:39	ADJ	41.8	34.2	0	24	0.22	38	91	-12.2	-60.87	---	
S1NoMain	SEC1north_main	5/15/2017 7:56		49.7	34.9	0.1	15.3	0.37	54	96.9	-9.16	-61.36	---	
S1NoMain	SEC1north_main	5/15/2017 7:56	ADJ	49.7	34.9	0.1	15.3	0.21	54	72.8	-9.25	-61.57	---	
S1NoMain	SEC1north_main	5/15/2017 16:25		50.3	36.8	0.1	12.8	0.24	54.1	77.1	-10.09	-62.55	---	
S1NoMain	SEC1north_main	5/15/2017 16:25	ADJ	50.3	36.8	0.1	12.8	0.39	54.3	99.9	-10.05	-61.91	---	
S1NoMain	SEC1north_main	6/1/2017 7:47		52.9	36.1	0	11	0.11	56.3	51.9	-7.09	-62.77	---	
S1NoMain	SEC1north_main	6/1/2017 7:47	ADJ	52.9	36.1	0	11	0.2	56.3	72.1	-7.09	-60.17	---	
S1NoMain	SEC1north_main	6/1/2017 13:36		52.4	36.8	0	10.8	0.4	57.4	101.3	-6.29	-62.47	---	
S1NoMain	SEC1north_main	6/1/2017 13:36	ADJ	52.4	36.8	0	10.8	0.27	57.4	82.8	-5.74	-61.74	---	
S1NoMain	SEC1north_main	6/15/2017 14:11		55	36.9	0.1	8	0.93	61	154.6	-5.62	-61.96	---	
S1NoMain	SEC1north_main	6/15/2017 14:11	ADJ	55	36.9	0.1	8	0.94	61	155	-5.95	-63.11	---	
S1NoMain	SEC1north_main	6/23/2017 10:40		35.8	34.5	0.6	29.1	0.26	69.8	80.4	-10.18	-57.83	---	
S1NoMain	SEC1north_main	6/23/2017 10:40	ADJ	35.8	34.5	0.6	29.1	0.34	69.8	91.7	-10.26	-58.64	---	
S1NoMain	SEC1north_main	7/6/2017 9:50		33	32	0.1	34.9	0.14	63.7	57.4	-12.96	-58.55	---	Opened Valve > 1 turn: :
S1NoMain	SEC1north_main	7/6/2017 9:50	ADJ	33	32	0.1	34.9	0.76	63	133.9	-20.65	-56.26	---	
S1NoMain	SEC1north_main	7/6/2017 11:56		39.5	35.8	0.1	24.6	0.63	63.1	117.3	-35.47	-59.02	---	
S1NoMain	SEC1north_main	7/6/2017 11:56	ADJ	39.5	35.8	0.1	24.6	0.64	63.1	118.2	-35.81	-59.62	---	
S1NoMain	SEC1north_main	7/19/2017 10:02		24.9	30.7	0.4	44	0.36	64.8	89.4	-27.66	-61.91	---	Closed Valve 1/2 turn or less: :
S1NoMain	SEC1north_main	7/19/2017 10:02	ADJ	24.9	30.7	0.4	44	0.36	64.8	89.4	-27.66	-61.91	---	
S1NoMain	SEC1north_main	7/19/2017 10:04		24.7	29.6	0.3	45.4	0.48	65.1	104.4	-26.39	-64.72	---	No Change: :
S1NoMain	SEC1north_main	7/19/2017 10:04	ADJ	24.7	29.6	0.3	45.4	0.48	65.1	104.3	-26.01	-62	---	
S1NoMain	SEC1north_main	7/20/2017 10:34		26	31	0.1	42.9	0.54	65.3	111.9	-23.31	-61.4	---	No Change: :
S1NoMain	SEC1north_main	7/20/2017 10:34	ADJ	26	31	0.1	42.9	0.59	65.3	117	-23.06	-61.23	---	
S1NoMain	SEC1north_main	7/20/2017 14:06		27.5	32.9	0	39.6	0.29	66.9	75.6	-49.7	-61.11	---	No Change: :
S1NoMain	SEC1north_main	7/20/2017 14:06	ADJ	27.5	32.9	0	39.6	0.11	66.9	46.3	-49.7	-60.89	---	
S1NoMain	SEC1north_main	8/8/2017 13:59		50	34.7	0	15.3	0.12	68.4	49.7	-42.57	-60.09	---	
S1NoMain	SEC1north_main	8/8/2017 13:59	ADJ	50	34.7	0	15.3	0.13	68.5	51.9	-42.86	-60.47	---	
S1NoMain	SEC1north_main	8/8/2017 15:50		48.7	37.5	0	13.8	0.06	68.7	36	-45.02	-58.85	---	
S1NoMain	SEC1north_main	8/8/2017 15:50	ADJ	48.7	37.5	0	13.8	0	68.9	0	-45.27	-59.23	---	
S1NoMain	SEC1north_main	8/9/2017 7:38		50	36.7	0.3	13	0.12	68	48.7	-45.35	-59.45	---	
S1NoMain	SEC1north_main	8/9/2017 7:38	ADJ	50	36.7	0.3	13	0.06	68	33.8	-45.1	-60.3	---	
S1NoMain	SEC1north_main	9/22/2017 7:27		56.9	39.8	0	3.3	0.27	67.3	75.3	-42.57	-60.38	---	
S1NoMain	SEC1north_main	9/22/2017 7:27	ADJ	56.9	39.8	0	3.3	0.16	67.3	58.2	-43.58	-62.47	---	
S1NoMain	SEC1north_main	9/23/2017 7:58		56.6	39.4	0	4	0.14	67.3	54.2	-43.83	-61.74	---	
S1NoMain	SEC1north_main	9/23/2017 7:58	ADJ	56.6	39.4	0	4	0.11	67.3	48.3	-44.05	-61.49	---	
S1NoMain	SEC1north_main	10/19/2017 10:27		54.3	37.7	0.2	7.8	0.08	64.4	42.4	-37.96	-60.34	---	
S1NoMain	SEC1north_main	10/19/2017 10:27	ADJ	54.3	37.7	0.2	7.8	0.31	64.4	80.7	-38.01	-62.34	---	
S1NoMain	SEC1north_main	10/20/2017 8:16		55.2	39.7	0.2	4.9	0.18	64.4	61.5	-40.63	-63.02	---	
S1NoMain	SEC1north_main	10/20/2017 8:16	ADJ	55.2	39.7	0.2	4.9	0.18	64.4	61.1	-40.41	-60.81	---	
S1NoMain	SEC1north_main	11/16/2017 9:18		58.4	35.4	0.4	5.8	0.22	57.2	69.5	-38.01	-64.72	---	
S1NoMain	SEC1north_main	11/16/2017 9:18	ADJ	58.4	35.4	0.4	5.8	0.23	57	69.8	-37.84	-64.72	---	
S1NoMain	SEC1north_main	11/17/2017 8:28		56.6	38.2	0.6	4.6	0.27	56.8	76.8	-36.49	-64.26	---	
S1NoMain	SEC1north_main	11/17/2017 8:28	ADJ	56.6	38.2	0.6	4.6	0.24	57.2	73.4	-36.57	-64.04	---	
S1NoMain	SEC1north_main	12/7/2017 10:53		48.9	37.3	0.2	13.6	0.26	52.3	76.1	-31.42	-66.21	---	
S1NoMain	SEC1north_main	12/7/2017 10:53	ADJ	48.9	37.3	0.2	13.6	0.22	52.3	70.1	-31.08	-66.04	---	
S1NoMain	SEC1north_main	12/8/2017 8:26		48.8	39.9	0.1	11.2	0.1	52.3	47	-30.79	-62.51	---	
S1NoMain	SEC1north_main	12/8/2017 8:26	ADJ	48.8	39.9	0.1	11.2	0.09	52.3	46.2	-30.49	-61.74	---	
S1SoMain	SEC1SouthMain	1/16/2017 13:43		49.7	38.2	0	12.1	-0.09	49	---	-26.7	-61.35	---	,,,,,,,
S1SoMain	SEC1SouthMain	1/16/2017 13:43	ADJ	49.7	38.2	0	12.1	-5.82	49	---	-26.6	-61.35	---	
S1SoMain	SEC1SouthMain	1/17/2017 9:06		53.3	39.4	0	7.3	17.81	40	847	-21.5	-57.21	---	,,,,,,,
S1SoMain	SEC1SouthMain	1/17/2017 9:06	ADJ	53.3	39.4	0	7.3	11.45	40	677	-21.6	-57.21	---	
S1SoMain	SEC1SouthMain	2/13/2017 12:59		54.2	39.6	0	6.2	0.19	38	86	-14.1	-58.06	---	no change,,,,,,,
S1SoMain	SEC1SouthMain	2/13/2017 12:59	ADJ	54.2	39.6	0	6.2	0.17	38	80	-14	-58.06	---	
S1SoMain	SEC1SouthMain	2/14/2017 7:15		51.8	38.9	0	9.3	0.37	52	119	-13.5	-59.02	---	,,,,,,,
S1SoMain	SEC1SouthMain	2/14/2017 7:15	ADJ	51.8	38.9	0	9.3	0.26	52	99	-13.4	-59.02	---	
S1SoMain	SEC1SouthMain	3/9/2017 7:46		46.2	36.6	0.4	16.8	0.06	52	46	-14.6	-60.17	---	,,,,,,,
S1SoMain	SEC1SouthMain	3/9/2017 7:46	ADJ	46.2	36.6	0.4	16.8	0.15	52	75	-14.6	-60.17	---	
S1SoMain	SEC1SouthMain	3/10/2017 7:42		46.2	36.5	0.1	17.2	0.13	50	68	-14.5	-61.42	---	,,,,,,,
S1SoMain	SEC1SouthMain	3/10/2017 7:42	ADJ	46.2	36.5	0.1	17.2	0.37	51	118	-14.5	-61.42	---	
S1SoMain	SEC1SouthMain	4/10/2017 9:06		36.1	31.6	0.6	31.7	0.14	56	69	-25.8	-59.66	---	,,,,,,,
S1SoMain	SEC1SouthMain	4/10/2017 9:06	ADJ	36.1	31.6	0.6	31.7	0.12	56	65	-25.9	-59.66	---	
S1SoMain	SEC1SouthMain	4/11/2017 6:35		37.3	32.4	0.6	29.7	0.04	32	37	-30.1	-60.43	---	,,,,,,,
S1SoMain	SEC1SouthMain	4/11/2017 6:35	ADJ	37.3	32.4	0.6	29.7	0.13	32	69	-30.1	-60.43	---	
S1SoMain	SEC1SouthMain	5/15/2017 7:39		36.6	29.6	1.7	32.1	0	61.5	0	-61.49	-61.28	---	
S1SoMain	SEC1SouthMain	5/15/2017 7:39	ADJ	36.6	29.6	1.7	32.1	0	61.5	0	-62.16	-61.87	---	
S1SoMain	SEC1SouthMain	5/15/2017 16:22		40.1	32.2	1.5	26.2	0	62.6	0	-60.81	-61.66	---	
S1SoMain	SEC1SouthMain	5/15/2017 16:22	ADJ	40.1	32.2	1.5	26.2	0.06	63	35.2	-53.72	-61.28	---	
S1SoMain	SEC1SouthMain	6/1/2017 7:42		26.5	21.1	11.8	40.6	0	50.2	0	-61.82	-62.47	---	
S1SoMain	SEC1SouthMain	6/1/2017 7:42	ADJ	26.5	21.1	11.8	40.6	0.01	50	15	-61.99	-62.55	---	
S1SoMain	SEC1SouthMain	6/1/2017 12:50		20.3	16.6	11.3	51.8	0	93.4	9.1	-61.82	-62.13	---	
S1SoMain	SEC1SouthMain	6/1/2017 12:50	ADJ	20.3	16.6	11.3	51.8	0	94.5	8.4	-61.32	-61.53	---	
S1SoMain	SEC1SouthMain	6/1/2017 13:40		24	18.6	13.6	43.8	0	90.5	0	-61.82	-61.83	---	
S1SoMain	SEC1SouthMain	6/1/2017 13:40	ADJ	24	18.6	13.6	43.8	0	95	0	-61.82	-62.13	---	
S1SoMain	SEC1SouthMain	6/9/2017 12:48		10.1	8.2	18.7	63	0.07	98.8	34.3	-61.44	-61.45	---	
S1SoMain	SEC1SouthMain	6/9/2017 12:48	ADJ	10.1	8.2	18.7	63	0.05	100.2	29	-61.49	-61.57	---	
S1SoMain	SEC1SouthMain	6/15/2017 14:09		7.2	5.7	17.9	69.2	0.69	97.9	110.5	-61.99	-61.62	---	
S1SoMain	SEC1SouthMain	6/15/2017 14:09	ADJ	7.2	5.7	17.9	69.2	0.68	98.6	109.4	-61.87	-61.7	---	
S1SoMain	SEC1SouthMain	6/23/2017 10:39		35.5	34.4	0.6	29.5	0.4	69.4	99.1	-10.6	-57.96	---	
S1SoMain	SEC1SouthMain	6/23/2017 10:39	ADJ	35.5	34.4	0.6	29.5	0.01	69.8	18.8	-7.35	-62.89	---	
S1SoMain	SEC1SouthMain	7/6/2017 9:46		33.1	32.5	0.6	33.8	0.36	71.1	93.8	-9.12	-57.79	---	Opened Valve > 1 turn: :
S1SoMain	SEC1SouthMain	7/6/2017 9:46	ADJ	33.1	32.5	0.6	33.8	1.24	70.2	170	-20.02	-66.6	---	
S1SoMain	SEC1SouthMain	7/6/2017 11:53		35	34.2	0.9	29.9	1.16	70.5	157	-37.75	-62.43	---	
S1SoMain	SEC1SouthMain	7/6/2017 11:53	ADJ	35	34.2	0.9	29.9	1.1	70.5	152.4	-37.5	-62.55	---	

Seven Mile Creek Landfill

Gas Extraction Report

Well ID	Alias	Date/Time	ADJ	CH4 (%)	CO2 (%)	O2 (%)	Balance (%)	Diff. Press. (in. H2O)	Temp. (deg. F)	Flow (scfm)	Well Pres. (in. H2O)	Header Pres. (in. H2O)	Valve Setting (% Open)	Comments
S1SoMain	SEC1SouthMain	7/19/2017 9:59		22.5	28.2	2.1	47.2	1.18	72.3	156.8	-38.51	-64.64	---	Closed Valve 1/2 turn or less: :
S1SoMain	SEC1SouthMain	7/19/2017 9:59	ADJ	22.5	28.2	2.1	47.2	0.43	72.7	97	-28.72	-58.85	---	
S1SoMain	SEC1SouthMain	7/20/2017 10:32		24.7	28.7	1.8	44.8	0.56	73.6	112.7	-22.38	-58.85	---	No Change: :
S1SoMain	SEC1SouthMain	7/20/2017 10:32	ADJ	24.7	28.7	1.8	44.8	0.49	73.6	105.4	-22.3	-59.32	---	
S1SoMain	SEC1SouthMain	7/20/2017 14:04		31.7	33.7	0.8	33.8	0.17	75.2	57.7	-49.83	-59.7	---	No Change: :
S1SoMain	SEC1SouthMain	7/20/2017 14:04	ADJ	31.7	33.7	0.8	33.8	0.18	75.2	58.6	-50	-60.64	---	
S1SoMain	SEC1SouthMain	8/8/2017 13:56		45.7	36.4	0	17.9	0.2	76.1	64.2	-42.23	-59.96	---	No Change: :
S1SoMain	SEC1SouthMain	8/8/2017 13:56	ADJ	45.7	36.4	0	17.9	0.18	76.1	60.9	-42.19	-59.45	---	
S1SoMain	SEC1SouthMain	8/8/2017 15:48		46.2	39.5	0	14.3	0.12	76.3	49.9	-45.4	-59.28	---	
S1SoMain	SEC1SouthMain	8/8/2017 15:48	ADJ	46.2	39.5	0	14.3	0.12	76.3	49.5	-45.27	-58.94	---	
S1SoMain	SEC1SouthMain	8/9/2017 7:36		47.8	38.5	0.3	13.4	0.16	75	57.1	-45.06	-60.17	---	
S1SoMain	SEC1SouthMain	8/9/2017 7:36	ADJ	47.8	38.5	0.3	13.4	0.16	75	55.7	-45.06	-60.43	---	
S1SoMain	SEC1SouthMain	9/22/2017 7:22		45.6	34.5	0.4	19.5	0.19	75.2	62.9	-41.89	-59.74	---	
S1SoMain	SEC1SouthMain	9/22/2017 7:22	ADJ	45.6	34.5	0.4	19.5	0.18	75.2	60.1	-41.89	-59.91	---	
S1SoMain	SEC1SouthMain	9/23/2017 7:56		41.2	35.5	0.4	22.9	0.15	75.4	55	-43.62	-59.4	---	
S1SoMain	SEC1SouthMain	9/23/2017 7:56	ADJ	41.2	35.5	0.4	22.9	0.15	75.6	55	-43.71	-59.49	---	
S1SoMain	SEC1SouthMain	10/19/2017 10:25		43.6	35.2	0.6	20.6	0.28	71.6	76.9	-37.33	-59.91	---	
S1SoMain	SEC1SouthMain	10/19/2017 10:25	ADJ	43.6	35.2	0.6	20.6	0.21	71.6	66.1	-37.29	-59.74	---	
S1SoMain	SEC1SouthMain	10/20/2017 8:12		48.5	37.8	0.8	12.9	0.16	71.4	57.8	-40.29	-60.3	---	
S1SoMain	SEC1SouthMain	10/20/2017 8:12	ADJ	48.5	37.8	0.8	12.9	0.17	71.4	59	-39.99	-60.51	---	
S1SoMain	SEC1SouthMain	11/16/2017 9:15		49.1	35.9	1.3	13.7	0.22	63.5	67	-42.91	-62.68	---	Closed Valve 1/2 turn or less: :
S1SoMain	SEC1SouthMain	11/16/2017 9:15	ADJ	49.1	35.9	1.3	13.7	0.11	63.3	48	-39.27	-63.06	---	
S1SoMain	SEC1SouthMain	11/17/2017 8:25		51.7	35.9	1.3	11.1	0.07	63.1	39.7	-35.35	-59.66	---	
S1SoMain	SEC1SouthMain	11/17/2017 8:25	ADJ	51.7	35.9	1.3	11.1	0.08	63	42.1	-35.47	-61.83	---	
S1SoMain	SEC1SouthMain	12/7/2017 10:50		39.9	34	2	24.1	0.29	59.2	80.2	-30.11	-34.38	---	
S1SoMain	SEC1SouthMain	12/7/2017 10:50	ADJ	39.9	34	2	24.1	0.19	59.4	65.6	-30.15	-34.38	---	
S1SoMain	SEC1SouthMain	12/8/2017 8:24		44.1	37.8	1.2	16.9	0.16	59.9	60.1	-30.24	-58.89	---	
S1SoMain	SEC1SouthMain	12/8/2017 8:24	ADJ	44.1	37.8	1.2	16.9	0.16	59.9	59.6	-30.24	-59.53	---	
SEC2Main	SEC2Main	1/16/2017 13:41		52	36.3	1.4	10.3	---	40	---	-60.4	-62.54	0	,,,,,,,
SEC2Main	SEC2Main	1/16/2017 13:41	ADJ	52	36.3	1.4	10.3	---	40	---	-61.3	-62.54	---	
SEC2Main	SEC2Main	1/17/2017 9:04		55.2	36.1	1.5	7.2	---	41	---	-57.6	-57.23	0	,,,,,,,
SEC2Main	SEC2Main	1/17/2017 9:04	ADJ	55.2	36.1	1.5	7.2	---	41	---	-60.3	-57.23	---	
SEC2Main	SEC2Main	2/13/2017 12:57		50.6	36	1	12.4	---	31	---	-58.7	-57.57	---	no change,,,,,,,
SEC2Main	SEC2Main	2/13/2017 12:57	ADJ	50.6	36	1	12.4	---	31	---	-57.7	-57.57	---	
SEC2Main	SEC2Main	2/14/2017 7:12		51	36.3	1	11.7	---	48	---	-59	-58.27	0	,,,,,,,
SEC2Main	SEC2Main	2/14/2017 7:12	ADJ	51	36.3	1	11.7	---	48	---	-61.8	-58.27	---	
SEC2Main	SEC2Main	3/9/2017 7:43		49.2	35.5	1.5	13.8	---	48	---	-60.1	-59.88	---	,,,,,,,
SEC2Main	SEC2Main	3/9/2017 7:43	ADJ	49.2	35.5	1.5	13.8	---	48	---	-61.1	-59.88	---	
SEC2Main	SEC2Main	3/10/2017 7:38		49.5	35.1	1.5	13.9	---	48	---	-60.7	-61.68	0	,,,,,,,
SEC2Main	SEC2Main	3/10/2017 7:38	ADJ	49.5	35.1	1.5	13.9	---	48	---	-60.8	-61.68	---	
SEC2Main	SEC2Main	4/10/2017 9:01		51.8	36.6	1.5	10.1	---	51	---	-59.9	-59.95	---	,,,,,,,
SEC2Main	SEC2Main	4/10/2017 9:01	ADJ	51.8	36.6	1.5	10.1	---	51	---	-60	-59.95	---	
SEC2Main	SEC2Main	4/11/2017 6:31		51.2	36.7	1.4	10.7	---	48	---	-60.4	-60.24	---	,,,,,,,
SEC2Main	SEC2Main	4/11/2017 6:31	ADJ	51.2	36.7	1.4	10.7	---	48	---	-59.5	-60.24	---	
SEC2Main	SEC2Main	5/15/2017 7:53		49.4	36.1	1.6	12.9	33.78	58.3	801.3	-61.49	0.47	---	
SEC2Main	SEC2Main	5/15/2017 7:53	ADJ	49.4	36.1	1.6	12.9	33.78	58.3	802.9	-60.81	0.38	---	
SEC2Main	SEC2Main	5/15/2017 16:20		49.7	36.6	1.4	12.3	33.78	58.5	802.2	-61.49	0.72	---	
SEC2Main	SEC2Main	5/15/2017 16:20	ADJ	49.7	36.6	1.4	12.3	33.78	58.5	803.6	-60.9	0.72	---	
SEC2Main	SEC2Main	6/1/2017 7:45		50	36.7	1.8	11.5	33.78	60.4	797.6	-61.49	0	---	
SEC2Main	SEC2Main	6/1/2017 7:45	ADJ	50	36.7	1.8	11.5	33.78	60.4	797.6	-61.49	0.21	---	
SEC2Main	SEC2Main	6/2/2017 9:01		50.1	37.1	1.6	11.2	33.8	60.8	797.8	-61.53	0.3	---	
SEC2Main	SEC2Main	6/2/2017 9:01	ADJ	50.1	37.1	1.6	11.2	33.8	60.8	797.9	-61.49	0	---	
SEC2Main	SEC2Main	7/19/2017 9:55		52	37.5	1.4	9.1	33.78	70	795.1	-59.21	0.04	---	
SEC2Main	SEC2Main	7/19/2017 9:55	ADJ	52	37.5	1.4	9.1	33.78	70	795.5	-59.04	0.04	---	
SEC2Main	SEC2Main	8/8/2017 13:51		53.6	37	1.2	8.2	33.78	71.6	794.4	-58.74	0	---	
SEC2Main	SEC2Main	8/8/2017 13:51	ADJ	53.6	37	1.2	8.2	33.78	71.6	794.4	-58.74	0	---	
SEC2Main	SEC2Main	8/9/2017 7:34		50.9	36.7	1.6	10.8	33.83	71.4	794	-59.46	0.13	---	
SEC2Main	SEC2Main	8/9/2017 7:34	ADJ	50.9	36.7	1.6	10.8	33.83	71.4	794.2	-59.38	0.21	---	
SEC2Main	SEC2Main	9/22/2017 7:20		51.4	34.8	1.8	12	33.78	70.9	795.6	-59.8	0	---	
SEC2Main	SEC2Main	9/22/2017 7:20	ADJ	51.4	34.8	1.8	12	33.78	70.9	795.5	-59.84	0	---	
SEC2Main	SEC2Main	9/22/2017 15:14		49.5	35.1	1.6	13.8	33.78	---	807	-58.45	-0.17	---	
SEC2Main	SEC2Main	9/22/2017 15:14	ADJ	49.5	35.1	1.6	13.8	33.78	69	807	-58.45	0.13	---	
SEC2Main	SEC2Main	9/23/2017 7:54		49	37.1	1.8	12.1	33.8	70.5	796.3	-59.25	0.26	---	
SEC2Main	SEC2Main	9/23/2017 7:54	ADJ	49	37.1	1.8	12.1	33.8	70.5	797	-58.95	0	---	
SEC2Main	SEC2Main	10/19/2017 10:23		48.7	36.5	2.3	12.5	33.78	66.9	796.7	-59.54	0	---	
SEC2Main	SEC2Main	10/19/2017 10:23	ADJ	48.7	36.5	2.3	12.5	33.78	66.9	796.6	-59.59	0	---	
SEC2Main	SEC2Main	10/20/2017 8:08		50.1	36.9	2.2	10.8	33.8	66.6	798.1	-60.01	0.17	---	
SEC2Main	SEC2Main	10/20/2017 8:08	ADJ	50.1	36.9	2.2	10.8	33.8	66.6	798.1	-60.01	0.17	---	
SEC2Main	SEC2Main	11/16/2017 9:11		48.8	33.8	3	14.4	33.78	58.3	796.3	-61.82	0	---	
SEC2Main	SEC2Main	11/16/2017 9:11	ADJ	48.8	33.8	3	14.4	33.78	58.3	796.9	-61.57	0	---	
SEC2Main	SEC2Main	11/17/2017 8:22		49	34.3	3	13.7	33.78	58.1	805.2	-60.56	-0.34	---	
SEC2Main	SEC2Main	11/17/2017 8:22	ADJ	49	34.3	3	13.7	33.78	57.9	805.3	-60.52	0	---	
SEC2Main	SEC2Main	12/7/2017 10:44		48.2	33.1	2.8	15.9	33.78	53.8	800.3	-61.82	0	---	
SEC2Main	SEC2Main	12/7/2017 10:44	ADJ	48.2	33.1	2.8	15.9	33.78	53.8	799.9	-61.99	0	---	
SEC2Main	SEC2Main	12/8/2017 8:21		48.7	31.8	2.9	16.6	33.78	54.1	808.8	-59.88	0.34	---	
SEC2Main	SEC2Main	12/8/2017 8:21	ADJ	48.7	31.8	2.9	16.6	33.78	54.3	807.6	-60.39	0.34	---	
Sector 1														
SEC1GW01	SEC1GW01	1/16/2017 14:49		42.2	35.8	0	22	-1.64	44	---	-11.6	-24.16	---	,,,,,,,
SEC1GW01	SEC1GW01	1/16/2017 14:49	ADJ	42.2	35.8	0	22	-6.41	45	---	-11.6	-24.16	---	
SEC1GW01	SEC1GW01	2/13/2017 13:58		31.3	32.6	0	36.1	-0.94	45	---	-5.4	-12.39	---	no change,,,,,,,
SEC1GW01	SEC1GW01	2/13/2017 13:58	ADJ	31.3	32.6	0	36.1	-0.9	45	---	-5.4	-12.39	---	
SEC1GW01	SEC1GW01	3/9/2017 9:03		32.4	32.5	0.3	34.8	-1.99	39	---	-5.4	-11.83	---	closed 1//4 turn,,,,,,,
SEC1GW01	SEC1GW01	3/9/2017 9:03	ADJ	32.4	32.5	0.3	34.8	0	38	---	-5.4	-11.83	---	
SEC1GW01	SEC1GW01	4/10/2017 10:23		47.2	34.4	0	18.4	0	44	1	-7.5	-15.84	---	,,,,,,,
SEC1GW01	SEC1GW01	4/10/2017 10:23	ADJ	47.2	34.4	0	18.4	0	44	1	-7.5	-15.84	---	
SEC1GW01	SEC1GW01	5/15/2017 15:31		50.3	36.1	0	13.6	0.01	60.4	8	-3.65	-5.4	---	No Change: :
SEC1GW01	SEC1GW01	5/15/2017 15:31	ADJ	50.3	36.1	0	13.6	0.01	59.5	6.9	-3.61	-6.47	---	
SEC1GW01	SEC1GW01	6/15/2017 15:27		53.7	39.8	0.1	6.4	0.68	86.5	59.5	-2.76	-3.11	---	No Change: :
SEC1GW01	SEC1GW01	6/15/2017 15:27	ADJ	53.7	39.8	0.1	6.4	0.68	86.7	59.4	-2.73	-3.06	---	
SEC1GW01	SEC1GW01	7/6/2017 11:13		37.6	34.2	0.4	27.8	0	74.7	0	-9.46	-26.26	0	Closed Valve > 1 turn: :
SEC1GW01	SEC1GW01	7/6/2017 11:13	ADJ	37.6	34.2	0.4	27.8	0	75.2	0	-7.43	-25.91	---	
SEC1GW01	SEC1GW01	7/11/2017 8:23		48.1	32.8	0.8	18.3	0.01	85.6	8	-0.42	-35.74	0	No Change: :
SEC1GW01	SEC1GW01	7/11/2017 8:23	ADJ	48.1	32.8	0.8	18.3	0.01	86.5	6.8	-0.41	-35.74	0	
SEC1GW01	SEC1GW01	7/20/2017 13:07		51.2	33.3	1.7	13.8	0	95	4.8	-0.08	-30.3	1	No Change: :
SEC1GW01	SEC1GW01	7/20/2017 13:07	ADJ	51.2	33.3	1.7	13.8	0	95.2	4.7	-0.08	-30	1	
SEC1GW01	SEC1GW01	8/8/2017 14:56		60.4	37.7	0	1.9	0.01	88	6.2	0.25	-42.55	1	Opened Valve 1/2 turn or less: :
SEC1GW01	SEC1GW01	8/8/2017 14:56	ADJ	60.4	37.7	0	1.9	0	86.9	5.3	-0.87	-42.3	2	
SEC1GW01	SEC1GW01	9/23/2017 8:48		51.1	37.9	0	11	0.01	76.3	5.6	-3.23	-38.47	2	No Change: :
SEC1GW01	SEC1GW01	9/23/2017 8:48	ADJ	51.1	37.9	0	11	0.01	76.5	6.3	-3.23	-38.47	2	
SEC1GW01	SEC1GW01	10/19/2017 11:46		51	41.8	0.1	7.1	0.01	64.6	7.2	-3.32	-41.53	2	No Change: :
SEC1GW01	SEC1GW01	10/19/2017 11:46	ADJ	51	41.8	0.1	7.1	0.01	64.6	7.2	-3.32	-41.53	2	
SEC1GW01	SEC1GW01	11/17/2017 14:39		54.9	34.7	0.2	10.2	0.13	41	27.6	-2.7	-30.64	2	No Change: :
SEC1GW01	SEC1GW01	11/17/2017 14:39	ADJ	54.9	34.7	0.2	10.2	0.12	45.3	26.2	-2.69	-30.68	2	
SEC1GW01	SEC1GW01	12/8/2017 13:47		44.7	38.2	0.3	16.8	0.04	46.6	14.3	-9.88	-32.81	2	Closed Valve 1/2 turn or less: :
SEC1GW01	SEC1GW01	12/8/2017 13:47	ADJ	44.7	38.2	0.3	16.8	0.03	46	12.3	-8.19	-33.19	1	

Seven Mile Creek Landfill

Gas Extraction Report

Well ID	Alias	Date/Time	ADJ	CH4 (%)	CO2 (%)	O2 (%)	Balance (%)	Diff. Press. (in. H2O)	Temp. (deg. F)	Flow (scfm)	Well Pres. (in. H2O)	Header Pres. (in. H2O)	Valve Setting (% Open)	Comments
SEC1GW02	SEC1GW02	1/16/2017 14:45		47.8	36.8	0	15.4	1.35	49	45	-7.5	-24.62	---	,,,,,,,
SEC1GW02	SEC1GW02	1/16/2017 14:45	ADJ	47.8	36.8	0	15.4	-7.07	49	45	-7.4	-24.62	---	
SEC1GW02	SEC1GW02	2/13/2017 14:01		45.3	36.9	0	17.8	0.05	56	8	-2.3	-12.55	---	no change,,,,,,,
SEC1GW02	SEC1GW02	2/13/2017 14:01	ADJ	45.3	36.9	0	17.8	0.06	56	8	-2.3	-12.55	---	
SEC1GW02	SEC1GW02	3/9/2017 9:10		43.5	36.1	0.2	20.2	0.03	45	6	-3.5	-11.89	---	closed 1//4 turn,,,,,,,
SEC1GW02	SEC1GW02	3/9/2017 9:10	ADJ	43.5	36.1	0.2	20.2	0.03	44	6	-3.4	-11.89	---	
SEC1GW02	SEC1GW02	4/10/2017 10:27		53.3	37.2	0	9.5	0.02	47	5	-5	-16.13	---	,,,,,,,
SEC1GW02	SEC1GW02	4/10/2017 10:27	ADJ	53.3	37.2	0	9.5	0.03	47	6	-5.1	-16.13	---	
SEC1GW02	SEC1GW02	5/15/2017 15:38		50.4	37.7	0.2	11.7	0.03	56.8	13.2	-2.62	-7.32	---	No Change: :
SEC1GW02	SEC1GW02	5/15/2017 15:38	ADJ	50.4	37.7	0.2	11.7	0.04	56.3	14.7	-2.65	-7.79	---	
SEC1GW02	SEC1GW02	6/15/2017 15:32		56.5	40.2	0.1	3.2	0.68	79.3	60.1	-2.37	-3.23	---	Opened Valve > 1 turn: :
SEC1GW02	SEC1GW02	6/15/2017 15:32	ADJ	56.5	40.2	0.1	3.2	0.7	78.1	61	-3.35	-2.94	---	
SEC1GW02	SEC1GW02	7/6/2017 11:17		45.4	37.6	0.1	16.9	0.12	61.9	24.5	-19.38	-26.43	---	Closed Valve 1/2 to 1 turn: :
SEC1GW02	SEC1GW02	7/6/2017 11:17	ADJ	45.4	37.6	0.1	16.9	0.13	62.1	25.8	-18.24	-26.55	---	
SEC1GW02	SEC1GW02	7/20/2017 13:10		29.6	34.1	0.1	36.2	0.35	62.4	42	-18.24	-30.04	15	Closed Valve > 1 turn: :
SEC1GW02	SEC1GW02	7/20/2017 13:10	ADJ	29.6	34.1	0.1	36.2	0.04	63.9	13.6	-12.5	-31.32	10	
SEC1GW02	SEC1GW02	8/8/2017 15:00		51.7	38.5	0	9.8	0.06	68	18.4	-4.12	-42.04	10	No Change: :
SEC1GW02	SEC1GW02	8/8/2017 15:00	ADJ	51.7	38.5	0	9.8	0.06	67.5	17.7	-4.12	-42	10	
SEC1GW02	SEC1GW02	9/23/2017 8:50		54.1	41.9	0	4	0.04	66.7	14.5	-3.75	-38.13	10	No Change: :
SEC1GW02	SEC1GW02	9/23/2017 8:50	ADJ	54.1	41.9	0	4	0.05	66.4	16.1	-3.76	-38.51	10	
SEC1GW02	SEC1GW02	10/19/2017 11:51		55.1	43	0	1.9	0.06	61	18	-3.12	-41.53	10	No Change: :
SEC1GW02	SEC1GW02	10/19/2017 11:51	ADJ	55.1	43	0	1.9	0.06	61	17.3	-3.12	-41.4	10	
SEC1GW02	SEC1GW02	11/17/2017 14:43		55.1	40.5	0	4.4	0.05	61	17.3	-2.12	-30.81	10	No Change: :
SEC1GW02	SEC1GW02	11/17/2017 14:43	ADJ	55.1	40.5	0	4.4	0.05	45.3	17.3	-2.11	-30.89	10	
SEC1GW02	SEC1GW02	12/8/2017 13:53		52.6	41	0.2	6.2	0.35	47.1	44.4	-2.23	-33.53	10	Closed Valve 1/2 turn or less: :
SEC1GW02	SEC1GW02	12/8/2017 13:53	ADJ	52.6	41	0.2	6.2	0.34	46.8	43.9	-2.02	-33.57	9	
SEC1GW03	SEC1GW03	1/16/2017 14:55		55.2	39.2	0	5.6	1.03	41	40	-8.1	-24.07	---	,,,,,,,
SEC1GW03	SEC1GW03	1/16/2017 14:55	ADJ	55.2	39.2	0	5.6	-6.38	42	40	-8.2	-24.07	---	
SEC1GW03	SEC1GW03	2/13/2017 13:54		56.7	40.2	0	3.1	-0.37	60	---	-5.7	-12.27	---	opened 1/4 turn,,,,,,,
SEC1GW03	SEC1GW03	2/13/2017 13:54	ADJ	56.7	40.2	0	3.1	-0.36	60	---	-6.3	-12.27	---	
SEC1GW03	SEC1GW03	3/9/2017 8:58		58.8	40.8	0.2	0.2	0	33	---	-2.9	-11.68	---	opened 1/2 turn,,,,,,,
SEC1GW03	SEC1GW03	3/9/2017 8:58	ADJ	58.8	40.8	0.2	0.2	0	32	2	-4.1	-11.68	---	
SEC1GW03	SEC1GW03	4/10/2017 11:31		57	39.3	0	3.7	0.02	41	4	-10.3	-15.76	0	,,,,,,,
SEC1GW03	SEC1GW03	4/10/2017 11:31	ADJ	57	39.3	0	3.7	0.02	42	5	-12.2	-15.76	---	
SEC1GW03	SEC1GW03	5/15/2017 15:34		53.8	39.5	0.2	6.5	0.02	60.3	10.2	-7.09	-7.4	---	Closed Valve 1/2 turn or less: :
SEC1GW03	SEC1GW03	5/15/2017 15:34	ADJ	53.8	39.5	0.2	6.5	0.02	59.5	9.6	-6.42	-7.11	---	
SEC1GW03	SEC1GW03	6/15/2017 15:22		55.6	40.4	0.4	3.6	0.68	90.9	59.2	-3.17	-2.38	---	Opened Valve > 1 turn: :
SEC1GW03	SEC1GW03	6/15/2017 15:22	ADJ	55.6	40.4	0.4	3.6	0.68	91	59.2	-3.54	-2.38	---	
SEC1GW03	SEC1GW03	7/6/2017 11:09		37.7	36.5	0.3	25.5	0	68.9	0	-23.99	-26.3	---	Closed Valve > 1 turn: :
SEC1GW03	SEC1GW03	7/6/2017 11:09	ADJ	37.7	36.5	0.3	25.5	0	69.6	0	-19.93	-26.21	---	
SEC1GW03	SEC1GW03	7/11/2017 8:19		27.5	33.6	0.2	38.7	0.02	73.2	9.8	-10.94	-35.45	---	Closed Valve > 1 turn: :
SEC1GW03	SEC1GW03	7/11/2017 8:19	ADJ	27.5	33.6	0.2	38.7	0.01	73.8	6.6	-7.69	-35.45	---	
SEC1GW03	SEC1GW03	7/20/2017 13:01		43.2	37.5	0	19.3	0	92.1	2.7	-1.32	-29.96	1	No Change: :
SEC1GW03	SEC1GW03	7/20/2017 13:01	ADJ	43.2	37.5	0	19.3	0	93.6	4.5	-1.31	-29.96	1	
SEC1GW03	SEC1GW03	8/8/2017 14:53		56.2	41.1	0	2.7	0.01	88.5	7.4	-0.59	-42.55	1	Opened Valve 1/2 turn or less: :
SEC1GW03	SEC1GW03	8/8/2017 14:53	ADJ	56.2	41.1	0	2.7	0.01	90.5	6.1	-1.43	-42.64	2	
SEC1GW03	SEC1GW03	9/23/2017 8:45		55.7	44.3	0	0	0.01	80.6	5.6	-1.39	-38.81	2	Opened Valve 1/2 turn or less: :
SEC1GW03	SEC1GW03	9/23/2017 8:45	ADJ	55.7	44.3	0	0	0.01	80.4	6.7	-2.89	-38.38	3	
SEC1GW03	SEC1GW03	10/19/2017 11:43		54.9	43.3	0.1	1.7	0.02	64.8	10.4	-6.42	-41.4	3	No Change: :
SEC1GW03	SEC1GW03	10/19/2017 11:43	ADJ	54.9	43.3	0.1	1.7	0.01	64.6	8.7	-6.42	-41.49	3	
SEC1GW03	SEC1GW03	11/17/2017 14:34		55	43.3	0	1.7	0.02	45.3	11.5	-5.11	-30.6	3	No Change: :
SEC1GW03	SEC1GW03	11/17/2017 14:34	ADJ	55	43.3	0	1.7	0.02	45.3	10.3	-5.11	-30.6	3	
SEC1GW03	SEC1GW03	12/8/2017 13:43		53.6	42.2	0.1	4.1	0.02	42.4	12	-4.71	-32.77	3	Closed Valve 1/2 turn or less: :
SEC1GW03	SEC1GW03	12/8/2017 13:43	ADJ	53.6	42.2	0.1	4.1	0.02	42.1	11.1	-4.43	-32.72	2	
SEC1GW04	SEC1GW04	1/16/2017 14:36		37.3	35.7	0	27	0.54	40	28	-4.2	-20.69	---	,,,,,,,
SEC1GW04	SEC1GW04	1/16/2017 14:36	ADJ	37.3	35.7	0	27	-8.21	40	28	-4.2	-20.69	---	
SEC1GW04	SEC1GW04	2/13/2017 14:04		36.9	33.8	0	29.3	-2.23	49	---	-0.3	-12.42	---	no change,,,,,,,
SEC1GW04	SEC1GW04	2/13/2017 14:04	ADJ	36.9	33.8	0	29.3	-2.21	49	---	-0.3	-12.42	---	
SEC1GW04	SEC1GW04	3/9/2017 9:15		33.3	31.8	0.2	34.7	-2.59	38	---	-2	-11.02	---	closed 1//4 turn,,,,,,,
SEC1GW04	SEC1GW04	3/9/2017 9:15	ADJ	33.3	31.8	0.2	34.7	0.1	37	12	-2	-11.02	---	
SEC1GW04	SEC1GW04	4/10/2017 10:31		32.3	29.9	0	37.8	0	43	2	-3.2	-16.14	---	,,,,,,,
SEC1GW04	SEC1GW04	4/10/2017 10:31	ADJ	32.3	29.9	0	37.8	0	43	1	-3.2	-16.14	---	
SEC1GW04	SEC1GW04	5/15/2017 15:40		40.1	32.3	0	27.6	0.01	59	5.6	-1.47	-7.15	---	Closed Valve 1/2 turn or less: :
SEC1GW04	SEC1GW04	5/15/2017 15:40	ADJ	40.1	32.3	0	27.6	0.01	58.5	7.4	-1.33	-7.15	---	
SEC1GW04	SEC1GW04	6/15/2017 15:36		54.2	37.4	0.1	8.3	0.68	89.8	59.7	-0.77	-3.06	---	Opened Valve > 1 turn: :
SEC1GW04	SEC1GW04	6/15/2017 15:36	ADJ	54.2	37.4	0.1	8.3	0.69	90.3	60.2	-1.58	-3.02	---	
SEC1GW04	SEC1GW04	7/6/2017 11:20		18.3	27.8	1.2	52.7	0.05	66.6	15.9	-9.12	-26.68	---	Closed Valve > 1 turn: :
SEC1GW04	SEC1GW04	7/6/2017 11:20	ADJ	18.3	27.8	1.2	52.7	0	68	0	-6.42	-27.02	---	
SEC1GW04	SEC1GW04	7/20/2017 13:14		17.2	27.9	0.5	54.4	0.04	74.5	13.6	-3.98	-31.87	10	Closed Valve > 1 turn: :
SEC1GW04	SEC1GW04	7/20/2017 13:14	ADJ	17.2	27.9	0.5	54.4	0.01	77.9	5.6	-2.23	-32.68	5	
SEC1GW04	SEC1GW04	8/8/2017 15:02		51.5	38	0	10.5	0.01	83.3	8	-0.63	-42.21	5	No Change: :
SEC1GW04	SEC1GW04	8/8/2017 15:02	ADJ	51.5	38	0	10.5	0.02	83.5	8.9	-0.63	-41.87	5	
SEC1GW04	SEC1GW04	9/23/2017 8:54		52.2	40	0	7.8	0.01	75.7	7.2	-0.64	-38.47	5	No Change: :
SEC1GW04	SEC1GW04	9/23/2017 8:54	ADJ	52.2	40	0	7.8	0.01	76.5	6.8	-0.65	-38.68	5	
SEC1GW04	SEC1GW04	10/19/2017 11:53		54.8	42.7	0	2.5	0.01	66	8.3	-0.56	-41.53	5	No Change: :
SEC1GW04	SEC1GW04	10/19/2017 11:53	ADJ	54.8	42.7	0	2.5	0.01	65.8	7.2	-0.56	-41.53	5	
SEC1GW04	SEC1GW04	11/17/2017 14:50		55.3	42.2	0	2.5	0.41	43	48.8	-0.31	-30.68	5	No Change: :
SEC1GW04	SEC1GW04	11/17/2017 14:50	ADJ	55.3	42.2	0	2.5	0.41	45.3	48.7	-0.3	-30.68	5	
SEC1GW04	SEC1GW04	12/8/2017 13:57		54	39.2	0	6.8	0.02	37.4	10.2	-0.34	-33.57	5	No Change: :
SEC1GW04	SEC1GW04	12/8/2017 13:57	ADJ	54	39.2	0	6.8	0.02	37.2	10.2	-0.34	-33.7	5	
SEC1GW05	SEC1GW05	1/16/2017 14:41		38.7	35.8	0	25.5	4.21	53	79	-4.5	-23.5	---	,,,,,,,
SEC1GW05	SEC1GW05	1/16/2017 14:41	ADJ	38.7	35.8	0	25.5	-6.88	53	79	-4.4	-23.5	---	
SEC1GW05	SEC1GW05	2/13/2017 14:34		49.1	38.4	0	12.5	-0.86	60	---	0.1	-10.95	---	opened 1/4 turn,,,,,,,
SEC1GW05	SEC1GW05	2/13/2017 14:34	ADJ	49.1	38.4	0	12.5	-0.64	60	---	-0.1	-10.95	---	
SEC1GW05	SEC1GW05	3/9/2017 9:51		48.4	37.1	0.6	13.9	-0.79	51	---	-2.2	-12.03	---	closed 1//4 turn,,,,,,,
SEC1GW05	SEC1GW05	3/9/2017 9:51	ADJ	48.4	37.1	0.6	13.9	0.05	51	8	-2.2	-12.03	---	
SEC1GW05	SEC1GW05	4/10/2017 11:03		46.3	36.1	0	17.6	0.08	51	10	-3.4	-16.55	---	,,,,,,,
SEC1GW05	SEC1GW05	4/10/2017 11:03	ADJ	46.3	36.1	0	17.6	0.07	51	10	-3.4	-16.55	---	
SEC1GW05	SEC1GW05	5/15/2017 16:01		54.7	38.8	0.1	6.4	0.07	57.2	20.3	-0.02	-6.55	---	Closed Valve 1/2 turn or less: :
SEC1GW05	SEC1GW05	5/15/2017 16:01	ADJ	54.7	38.8	0.1	6.4	0.01	56.8	7.3	0.11	-7.79	---	
SEC1GW05	SEC1GW05	5/17/2017 10:45		57.7	38.9	0	3.4	0.01	60.4	7.4	1.4	-6.26	0	Opened Valve > 1 turn: :
SEC1GW05	SEC1GW05	5/17/2017 10:45	ADJ	57.7	38.9	0	3.4	0.75	60.1	65	-0.17	-3.57	0	
SEC1GW05	SEC1GW05	6/15/2017 16:12		50.5	40.7	0	8.8	0.58	63.5	56.4	-1.8	-1.36	---	No Change: :
SEC1GW05	SEC1GW05	6/15/2017 16:12	ADJ	50.5	40.7	0	8.8	0.6	63.5	57.4	-1.81	-0.94	---	
SEC1GW05	SEC1GW05	7/6/2017 11:44		29	32.2	0.3	38.5	3.25	61.9	130.2	-11.66	-26.68	---	Closed Valve > 1 turn: :
SEC1GW05	SEC1GW05	7/6/2017 11:44	ADJ	29	32.2	0.3	38.5	0.7	62.4	61	-7.73	-31.36	---	
SEC1GW05	SEC1GW05	7/20/2017 13:43		19.2	28.2	0.4	52.2	0.82	64.9	65.8	-6.12	-36.13	20	Closed Valve > 1 turn: :
SEC1GW05	SEC1GW05	7/20/2017 13:43	ADJ	19.2	28.2	0.4	52.2	0.06	65.8	18.6	-4.7	-39.91	15	
SEC1GW05	SEC1GW05	8/8/2017 15:26		47.2	35.3	0	17.5	0.07	68.7	19.4	-0.45	-44.26	15	Closed Valve 1/2 turn or less: :
SEC1GW05	SEC1GW05	8/8/2017 15:26	ADJ	47.2	35.3	0	17.5	0.05	68.4	15.9	-0.38	-44.34	13	
SEC1GW05	SEC1GW05	9/23/2017 9:23		56.1	41.3	0	2.6	0.03	66.9	12.5	-0.51	-36.77	13	Opened Valve 1/2 turn or less: :
SEC1GW05	SEC1GW05	9/23/2017 9:23	ADJ	56.1	41.3	0	2.6	0.05	66.6	15.9	-0.58	-36.89	14	
SEC1GW05	SEC1GW05	10/19/2017 12:17		54.6	44.2	0	1.2	0.06	63.3	17.6	-0.48	-40.38	14	No Change: :
SEC1GW05	SEC1GW05	10/19/2017 12:17	ADJ	54.6	44.2	0	1.2	0.06	63.3	17.7	-0.48	-40.38	14	
SEC1GW05	SEC1GW05	11/17/2017 15:31		55.1	42.2	0	2.7	0.05	---	16.1	-0.02	-28.26	15	No Change: :
SEC1GW05	SEC1GW05	11/17/2017 15:31	ADJ	55.1	42.2	0	2.7	0.05	57	16.5	-0.01	-28.55	15	

Seven Mile Creek Landfill

Gas Extraction Report

Well ID	Alias	Date/Time	ADJ	CH4 (%)	CO2 (%)	O2 (%)	Balance (%)	Diff. Press. (in. H2O)	Temp. (deg. F)	Flow (scfm)	Well Pres. (in. H2O)	Header Pres. (in. H2O)	Valve Setting (% Open)	Comments
SEC1GW05	SEC1GW05	11/17/2017 15:36		57.9	42.1	0	0	0.28	59	38.9	-4.05	-27.79	14	Opened Valve 1/2 turn or less: :
SEC1GW05	SEC1GW05	11/17/2017 15:36	ADJ	57.9	42.1	0	0	0.21	59	33.6	-4.77	-28.64	15	
SEC1GW05	SEC1GW05	12/8/2017 14:32		52.2	43	0	4.8	0.12	51.6	26.6	-0.25	-35.19	15	Closed Valve 1/2 turn or less: :
SEC1GW05	SEC1GW05	12/8/2017 14:32	ADJ	52.2	43	0	4.8	0.1	51.6	24.3	-0.22	-34.94	14	
SEC1GW06	SEC1GW06	1/16/2017 14:59		50.1	39.8	0	10.1	-1.91	36	---	-5.9	-23.72	---	,,,,,,,
SEC1GW06	SEC1GW06	1/16/2017 14:59	ADJ	50.1	39.8	0	10.1	-10.86	37	---	-4.6	-23.72	---	
SEC1GW06	SEC1GW06	2/13/2017 13:50		49.1	39.6	0	11.3	-5.36	70	---	-1.6	-12.31	---	no change,,,,,,,
SEC1GW06	SEC1GW06	2/13/2017 13:50	ADJ	49.1	39.6	0	11.3	-5.46	70	---	-1.6	-12.31	---	
SEC1GW06	SEC1GW06	3/9/2017 8:54		57.4	42.4	0	0.2	1.72	42	52	-1.3	-11.85	---	opened 1/2 turn,,,,,,,
SEC1GW06	SEC1GW06	3/9/2017 8:54	ADJ	57.4	42.4	0	0.2	2.01	33	57	-1.8	-11.85	---	
SEC1GW06	SEC1GW06	4/10/2017 10:18		47.5	36.8	0	15.7	0.01	41	3	-10	-15.25	---	,,,,,,,
SEC1GW06	SEC1GW06	4/10/2017 10:18	ADJ	47.5	36.8	0	15.7	0.01	41	3	-10	-15.25	---	
SEC1GW06	SEC1GW06	5/15/2017 15:27		52.3	36.6	0.3	10.8	0.01	62.1	8	-5.83	-5.79	---	No Change: :
SEC1GW06	SEC1GW06	5/15/2017 15:27	ADJ	52.3	36.6	0.3	10.8	0.01	61.5	6.7	-5.74	-6.94	---	
SEC1GW06	SEC1GW06	6/15/2017 15:16		56.9	42.2	0.2	0.7	0.68	89.8	59.5	-2.68	-1.7	---	Opened Valve > 1 turn: :
SEC1GW06	SEC1GW06	6/15/2017 15:16	ADJ	56.9	42.2	0.2	0.7	0.68	89.8	59.5	-2.68	-1.7	---	
SEC1GW06	SEC1GW06	7/6/2017 11:06		26.4	30.5	1.6	41.5	0	76.3	0	-24.58	-24.89	---	Closed Valve > 1 turn: :
SEC1GW06	SEC1GW06	7/6/2017 11:06	ADJ	26.4	30.5	1.6	41.5	0	76.8	0	-22.64	-25.19	---	
SEC1GW06	SEC1GW06	7/11/2017 8:11		11.1	21.6	5.2	62.1	0.04	72	14.7	-21.96	-34.77	---	Closed Valve > 1 turn: :
SEC1GW06	SEC1GW06	7/11/2017 8:11	ADJ	11.1	21.6	5.2	62.1	0.01	72.9	8.3	-16.55	-35.06	---	
SEC1GW06	SEC1GW06	7/11/2017 8:15		10.6	21.4	4.9	63.1	0.01	70.5	8.1	-18.83	-35.02	---	Closed Valve 1/2 turn or less: :
SEC1GW06	SEC1GW06	7/11/2017 8:15	ADJ	10.6	21.4	4.9	63.1	0.01	72.7	7.9	-18.12	-35.11	---	
SEC1GW06	SEC1GW06	7/20/2017 12:57		51.7	39.8	0	8.5	0.01	92.7	7.4	-0.78	-29.53	1	No Change: :
SEC1GW06	SEC1GW06	7/20/2017 12:57	ADJ	51.7	39.8	0	8.5	0	93	4.8	-0.78	-29.4	1	
SEC1GW06	SEC1GW06	8/8/2017 14:49		58.1	41.8	0	0.1	0	88.7	4.9	-0.64	-42.68	1	Opened Valve 1/2 turn or less: :
SEC1GW06	SEC1GW06	8/8/2017 14:49	ADJ	58.1	41.8	0	0.1	0.01	89.8	7.1	-1.73	-42.55	2	
SEC1GW06	SEC1GW06	9/23/2017 8:42		52.4	42.1	0.2	5.3	0.01	77	7.4	-4.67	-38.21	2	No Change: :
SEC1GW06	SEC1GW06	9/23/2017 8:42	ADJ	52.4	42.1	0.2	5.3	0.01	77	6.8	-4.68	-38.47	2	
SEC1GW06	SEC1GW06	10/19/2017 11:39		52.9	38.9	0.4	7.8	0.01	70.2	7.7	-3.72	-41.19	2	
SEC1GW06	SEC1GW06	10/19/2017 11:39	ADJ	52.9	38.9	0.4	7.8	0.01	70	8.7	-3.73	-41.06	2	
SEC1GW06	SEC1GW06	11/17/2017 14:27		55.1	42.5	0	2.4	0.01	42.4	8.6	-2.43	-30.3	2	No Change: :
SEC1GW06	SEC1GW06	11/17/2017 14:27	ADJ	55.1	42.5	0	2.4	0.01	42.3	8.1	-2.43	-30.3	2	
SEC1GW06	SEC1GW06	12/8/2017 13:37		53.4	42.3	0.1	4.2	0.02	37.6	9.2	-2.6	-32.89	2	Closed Valve 1/2 turn or less: :
SEC1GW06	SEC1GW06	12/8/2017 13:37	ADJ	53.4	42.3	0.1	4.2	0.02	37.6	9.2	-2.6	-32.89	1	
SEC1GW07	SEC1GW07	1/16/2017 15:03		57	42.8	0	0.2	2.41	35	62	-6	-23.27	---	,,,,,,,
SEC1GW07	SEC1GW07	1/16/2017 15:03	ADJ	57	42.8	0	0.2	-5.91	36	62	-6.2	-23.27	---	
SEC1GW07	SEC1GW07	2/13/2017 13:47		56.2	41.7	0	2.1	0.09	65	11	-3.2	-12.06	---	opened 1/4 turn,,,,,,,
SEC1GW07	SEC1GW07	2/13/2017 13:47	ADJ	56.2	41.7	0	2.1	0.36	60	22	-3.9	-12.06	---	
SEC1GW07	SEC1GW07	3/9/2017 8:48		56.6	41.2	0.2	2	-0.02	35	---	-7.3	-11.94	---	opened 1/2 turn,,,,,,,
SEC1GW07	SEC1GW07	3/9/2017 8:48	ADJ	56.6	41.2	0.2	2	-0.02	35	---	-8.3	-11.94	---	
SEC1GW07	SEC1GW07	4/10/2017 10:14		55.2	39.9	0	4.9	0.02	42	5	-11.3	-14.78	---	,,,,,,,
SEC1GW07	SEC1GW07	4/10/2017 10:14	ADJ	55.2	39.9	0	4.9	0.02	43	5	-11.3	-14.78	---	
SEC1GW07	SEC1GW07	5/15/2017 15:24		53.1	41	0.1	5.8	0	63.7	0	-6.08	-6.47	---	No Change: :
SEC1GW07	SEC1GW07	5/15/2017 15:24	ADJ	53.1	41	0.1	5.8	0.02	61.9	9.1	-6.71	-6.77	---	
SEC1GW07	SEC1GW07	6/15/2017 15:10		55.7	44.3	0	0	0.68	90	59.4	-2.71	-2.38	---	Opened Valve > 1 turn: :
SEC1GW07	SEC1GW07	6/15/2017 15:10	ADJ	55.7	44.3	0	0	0.68	90	59.4	-2.71	-2.38	---	
SEC1GW07	SEC1GW07	7/6/2017 11:02		50.8	40.6	0.5	8.1	0	78.3	0	-25.68	-26.21	---	No Change: :
SEC1GW07	SEC1GW07	7/6/2017 11:02	ADJ	50.8	40.6	0.5	8.1	0	78.3	0	-25.46	-25.87	---	
SEC1GW07	SEC1GW07	7/11/2017 8:05		18.2	32.1	0.9	48.8	0.06	66.9	17	-32.77	-34.34	---	Closed Valve > 1 turn: :
SEC1GW07	SEC1GW07	7/11/2017 8:05	ADJ	18.2	32.1	0.9	48.8	0.03	67.3	11.7	-28.72	-34.72	---	
SEC1GW07	SEC1GW07	7/20/2017 12:52		25.6	32.3	0.4	41.7	0.02	75.6	9.4	-18.03	-28.94	10	Closed Valve > 1 turn: :
SEC1GW07	SEC1GW07	7/20/2017 12:52	ADJ	25.6	32.3	0.4	41.7	0.01	77.9	6.2	-11.82	-29.15	5	
SEC1GW07	SEC1GW07	8/8/2017 14:45		56.3	41.6	0	2.1	0.01	86	7.9	-4.24	-43.45	5	Opened Valve 1/2 turn or less: :
SEC1GW07	SEC1GW07	8/8/2017 14:45	ADJ	56.3	41.6	0	2.1	0.02	85.1	10.2	-5.07	-43.32	6	
SEC1GW07	SEC1GW07	9/23/2017 8:39		50	41.8	0.1	8.1	0.01	71.4	6.8	-10.39	-38.64	6	No Change: :
SEC1GW07	SEC1GW07	9/23/2017 8:39	ADJ	50	41.8	0.1	8.1	0.01	71.1	8.5	-10.26	-38.51	6	
SEC1GW07	SEC1GW07	10/19/2017 11:37		54	41.6	0.1	4.3	0.02	66.2	10.2	-10.77	-41.53	6	No Change: :
SEC1GW07	SEC1GW07	10/19/2017 11:37	ADJ	54	41.6	0.1	4.3	0.02	66	9.8	-10.81	-41.15	6	
SEC1GW07	SEC1GW07	11/17/2017 14:22		54.9	41.5	0.4	3.2	0.02	47.5	11.8	-7.43	-30	6	No Change: :
SEC1GW07	SEC1GW07	11/17/2017 14:22	ADJ	54.9	41.5	0.4	3.2	0.03	47.1	12.1	-7.43	-30.04	6	
SEC1GW07	SEC1GW07	12/8/2017 13:31		53.9	43.1	0	3	0.02	42.6	10.3	-7.85	-32.6	6	No Change: :
SEC1GW07	SEC1GW07	12/8/2017 13:31	ADJ	53.9	43.1	0	3	0.02	42.8	10.3	-7.85	-32.34	6	
SEC1GW08	SEC1GW08	1/16/2017 15:20		50.2	39.5	0	10.3	2.41	57	59	-13.5	-21.79	---	,,,,,,,
SEC1GW08	SEC1GW08	1/16/2017 15:20	ADJ	50.2	39.5	0	10.3	-4.14	57	59	-13.4	-21.79	---	
SEC1GW08	SEC1GW08	2/13/2017 14:31		56.1	39.9	0	4	0.55	58	28	-5.9	-10.33	---	opened 1/4 turn,,,,,,,
SEC1GW08	SEC1GW08	2/13/2017 14:31	ADJ	56.1	39.9	0	4	0.57	58	29	-6	-10.33	---	
SEC1GW08	SEC1GW08	3/9/2017 9:57		58.4	39.8	0.1	1.7	0.34	55	22	-7.8	-11.11	---	opened 1/2 turn,,,,,,,
SEC1GW08	SEC1GW08	3/9/2017 9:57	ADJ	58.4	39.8	0.1	1.7	0.44	55	25	-8	-11.11	---	
SEC1GW08	SEC1GW08	4/10/2017 10:59		58.1	39.4	0	2.5	0.71	55	32	-12.3	-15.37	---	,,,,,,,
SEC1GW08	SEC1GW08	4/10/2017 10:59	ADJ	58.1	39.4	0	2.5	0.93	55	37	-12.4	-15.37	---	
SEC1GW08	SEC1GW08	5/15/2017 16:05		57.1	40.9	0.1	1.9	0.24	57.6	36	-6.42	-7.11	---	Opened Valve 1/2 to 1 turn: :
SEC1GW08	SEC1GW08	5/15/2017 16:05	ADJ	57.1	40.9	0.1	1.9	0.16	57.6	29.6	-5.53	-7.28	---	
SEC1GW08	SEC1GW08	5/15/2017 16:07		57.5	39.8	0	2.7	0.27	57.6	38.4	-5.41	-6.89	---	Opened Valve 1/2 to 1 turn: :
SEC1GW08	SEC1GW08	5/15/2017 16:07	ADJ	57.5	39.8	0	2.7	0.14	57.6	27.5	-5.74	-5.19	---	
SEC1GW08	SEC1GW08	6/15/2017 16:09		58.4	41.6	0	0	0.72	68.7	62.3	-1.95	-0.72	---	Opened Valve 1/2 to 1 turn: :
SEC1GW08	SEC1GW08	6/15/2017 16:09	ADJ	58.4	41.6	0	0	0.72	68.7	62.7	-2.17	-1.36	---	
SEC1GW08	SEC1GW08	7/6/2017 11:47		50.2	38.3	0.1	11.4	1.7	61.2	90.6	-27.03	-30.72	---	No Change: :
SEC1GW08	SEC1GW08	7/6/2017 11:47	ADJ	50.2	38.3	0.1	11.4	1.52	61.2	85.5	-27.15	-30.55	---	
SEC1GW08	SEC1GW08	7/20/2017 13:47		32.9	36	0	31.1	1.71	61.3	90.2	-29.43	-37.45	25	Closed Valve > 1 turn: :
SEC1GW08	SEC1GW08	7/20/2017 13:47	ADJ	32.9	36	0	31.1	0.2	63.1	31.7	-16.68	-43.32	20	
SEC1GW08	SEC1GW08	8/8/2017 15:29		51.4	40.2	0	8.4	0.3	64.6	40.3	-4.64	-44.38	20	No Change: :
SEC1GW08	SEC1GW08	8/8/2017 15:29	ADJ	51.4	40.2	0	8.4	0.28	64.4	38.9	-4.74	-44.38	20	
SEC1GW08	SEC1GW08	9/23/2017 9:26		54.6	39	0	6.4	0.23	63.5	35.4	-4.95	-36.89	20	No Change: :
SEC1GW08	SEC1GW08	9/23/2017 9:26	ADJ	54.6	39	0	6.4	0.23	63.3	35.3	-4.93	-36.98	20	
SEC1GW08	SEC1GW08	10/19/2017 12:20		57	43	0	0	0.26	60.8	37.2	-4.8	-40.64	20	Opened Valve 1/2 turn or less: :
SEC1GW08	SEC1GW08	10/19/2017 12:20	ADJ	57	43	0	0	0.33	60.8	42.1	-4.86	-39.83	20	
SEC1GW08	SEC1GW08	11/17/2017 16:22		58	41.7	0	0.3	0.36	60	44.5	-5.19	-27.15	20	Opened Valve 1/2 turn or less: :
SEC1GW08	SEC1GW08	11/17/2017 16:22	ADJ	58	41.7	0	0.3	0.51	92	52.8	-5.83	-26.13	21	
SEC1GW08	SEC1GW08	12/8/2017 14:36		55	42.4	0	2.6	0.77	57	64.1	-8.78	-33.06	212	No Change: :
SEC1GW08	SEC1GW08	12/8/2017 14:36	ADJ	55	42.4	0	2.6	0.87	57	68.2	-8.87	-33.19	21	
SEC1GW09	SEC1GW09	1/16/2017 15:08		57.2	42.7	0	1	1.3	45	44	-8.4	-24.1	---	,,,,,,,
SEC1GW09	SEC1GW09	1/16/2017 15:08	ADJ	57.2	42.7	0	1	-6.68	45	44	-8.4	-24.1	---	
SEC1GW09	SEC1GW09	2/13/2017 13:43		57.5	42.4	0	1	0	60	---	-4	-12.83	---	opened 1/4 turn,,,,,,,
SEC1GW09	SEC1GW09	2/13/2017 13:43	ADJ	57.5	42.4	0	1	0	59	1	-4.5	-12.83	---	
SEC1GW09	SEC1GW09	3/9/2017 8:43		57.5	42.2	0.1	0.2	-0.33	37	---	-7.5	-12.66	---	opened 1/2 turn,,,,,,,
SEC1GW09	SEC1GW09	3/9/2017 8:43	ADJ	57.5	42.2	0.1	0.2	7.94	37	113	-8.1	-12.66	---	
SEC1GW09	SEC1GW09	4/10/2017 10:11		58	41.9	0	1	0	42	1	-9.5	-14.11	---	,,,,,,,
SEC1GW09	SEC1GW09	4/10/2017 10:11	ADJ	58	41.9	0	1	0.02	42	5	-9.6	-14.11	---	
SEC1GW09	SEC1GW09	5/15/2017 15:22		51.6	38.3	1.3	8.8	0.04	63.9	14.5	-4.67	-3.57	---	No Change: :
SEC1GW09	SEC1GW09	5/15/2017 15:22	ADJ	51.6	38.3	1.3	8.8	0.01	63.3	8.9	-3.59	-3.28	---	
SEC1GW09	SEC1GW09	6/15/2017 15:01		55.9	43.2	0.3	0.6	0.68	87.8	59.5	-2.26	-1.11	---	Opened Valve > 1 turn: :
SEC1GW09	SEC1GW09	6/15/2017 15:01	ADJ	55.9	43.2	0.3	0.6	0.68	87.8	59.5	-2.26	-1.11	---	
SEC1GW09	SEC1GW09	7/6/2017 10:59		54.1	42.4	0.5	3	0	82.8	0	-27.79	-28.13	---	Opened Valve > 1 turn: :
SEC1GW09	SEC1GW09	7/6/2017 10:59	ADJ	54.1	42.4	0.5	3	0	82.6	0	-28.04	-28.17	---	
SEC1GW09	SEC1GW09	7/6/2017 15:20		55.8	40.4	0.4	3.4	0.1	85.5	21.3	-35.77	-35.45	---	Opened Valve 1/2 turn or less: :
SEC1GW09	SEC1GW09	7/6/2017 15:20	ADJ	55.8	40.4	0.4	3.4	0	85.5	0	-35.68	-35.45	---	

Seven Mile Creek Landfill

Gas Extraction Report

Well ID	Alias	Date/Time	ADJ	CH4 (%)	CO2 (%)	O2 (%)	Balance (%)	Diff. Press. (in. H2O)	Temp. (deg. F)	Flow (scfm)	Well Pres. (in. H2O)	Header Pres. (in. H2O)	Valve Setting (% Open)	Comments
SEC1GW09	SEC1GW09	7/11/2017 8:01		46.4	41.5	0.3	11.8	0.02	71.2	9.7	-35.47	-35.74	---	Closed Valve 1/2 turn or less: :
SEC1GW09	SEC1GW09	7/11/2017 8:01	ADJ	46.4	41.5	0.3	11.8	0.01	71.2	6.8	-35.43	-35.91	---	
SEC1GW09	SEC1GW09	7/20/2017 11:43		36.4	39	0.1	24.5	0.13	64.9	24.4	-29.69	-29.49	10	Closed Valve > 1 turn: :
SEC1GW09	SEC1GW09	7/20/2017 11:43	ADJ	36.4	39	0.1	24.5	0.02	65.5	10.6	-21.2	-29.87	6	
SEC1GW09	SEC1GW09	8/8/2017 14:42		43.8	39.2	0.1	16.9	0.04	67.1	14.7	-13.56	-42.81	6	Closed Valve 1/2 turn or less: :
SEC1GW09	SEC1GW09	8/8/2017 14:42	ADJ	43.8	39.2	0.1	16.9	0.02	67.3	11.2	-11.53	-42.64	5	
SEC1GW09	SEC1GW09	9/23/2017 8:35		56.8	42.2	0	1	0.01	75.4	6.7	0.32	-38.81	5	Opened Valve 1/2 turn or less: :
SEC1GW09	SEC1GW09	9/23/2017 8:35	ADJ	56.8	42.2	0	1	0.02	73.8	9.3	-0.21	-38.77	6	
SEC1GW09	SEC1GW09	10/19/2017 11:32		55.6	44.4	0	0	0.02	65.3	10.5	-1.45	-41.32	---	
SEC1GW09	SEC1GW09	10/19/2017 11:32	ADJ	55.6	44.4	0	0	0.02	65.3	10.5	-1.45	-41.32	---	
SEC1GW09	SEC1GW09	10/19/2017 11:34		55.6	42.5	0	1.9	0.02	66.7	10.5	-0.88	-41.96	6	Opened Valve 1/2 turn or less: :
SEC1GW09	SEC1GW09	10/19/2017 11:34	ADJ	55.6	42.5	0	1.9	0.03	65.1	12.9	-2.38	-41.7	7	
SEC1GW09	SEC1GW09	11/17/2017 14:18		54.1	39.5	0.3	6.1	0.06	53.1	18.2	-5.74	-30	7	No Change: :
SEC1GW09	SEC1GW09	11/17/2017 14:18	ADJ	54.1	39.5	0.3	6.1	0.07	53.1	19.3	-5.79	-30.04	7	
SEC1GW09	SEC1GW09	12/8/2017 13:24		54.2	43.4	0	2.4	0.07	50.4	19.7	-6.5	-32.21	7	No Change: :
SEC1GW09	SEC1GW09	12/8/2017 13:24	ADJ	54.2	43.4	0	2.4	0.06	50.5	18.4	-6.5	-32.64	7	
SEC1GW10	SEC1GW10	1/16/2017 15:26		38.5	36.5	0	25	2.78	65	63	-4.5	-24.08	---	,,,,,,
SEC1GW10	SEC1GW10	1/16/2017 15:26	ADJ	38.5	36.5	0	25	-5.87	65	63	-4.4	-24.08	---	
SEC1GW10	SEC1GW10	2/13/2017 13:33		49.8	39.6	0	10.6	0.02	58	5	0.2	-12.57	---	opened 1/4 turn,,,,,,
SEC1GW10	SEC1GW10	2/13/2017 13:33	ADJ	49.8	39.6	0	10.6	0.04	58	7	-0.2	-12.57	---	
SEC1GW10	SEC1GW10	2/13/2017 13:34		49.8	39.6	0	10.6	0.02	58	5	0.2	-0.13	---	,,,,,,
SEC1GW10	SEC1GW10	2/13/2017 13:34	ADJ	49.8	39.6	0	10.6	-0.05	0	5	-0.1	-0.13	---	
SEC1GW10	SEC1GW10	3/9/2017 8:27		42.4	36.7	0.6	20.3	-0.08	54	---	-1.7	-12.49	---	closed 1//4 turn,,,,,,
SEC1GW10	SEC1GW10	3/9/2017 8:27	ADJ	42.4	36.7	0.6	20.3	0	54	1	-1.8	-12.49	---	
SEC1GW10	SEC1GW10	3/9/2017 13:44		54.8	36.4	1.8	7	0.32	90	21	-3.2	-39.29	12	opened 1/4 turn,,,,,,
SEC1GW10	SEC1GW10	3/9/2017 13:44	ADJ	54.8	36.4	1.8	7	0.49	90	26	-3.5	-39.29	13	
SEC1GW10	SEC1GW10	4/10/2017 9:59		41.3	33.9	1.1	23.7	0.02	62	5	-3.2	-28.23	---	,,,,,,
SEC1GW10	SEC1GW10	4/10/2017 9:59	ADJ	41.3	33.9	1.1	23.7	0.04	63	7	-3.3	-28.23	---	
SEC1GW10	SEC1GW10	5/15/2017 15:12		56.1	41.6	0.1	2.2	0.01	67.5	6.9	0.62	-4.34	---	No Change: :
SEC1GW10	SEC1GW10	5/15/2017 15:12	ADJ	56.1	41.6	0.1	2.2	0.02	67.1	11	0.66	-4.43	---	
SEC1GW10	SEC1GW10	5/17/2017 10:40		56.6	41.3	0.1	2	0.39	71.4	46.4	1.07	-5.15	0	Opened Valve 1/2 turn or less: :
SEC1GW10	SEC1GW10	5/17/2017 10:40	ADJ	56.6	41.3	0.1	2	0.21	72.9	33.8	-0.29	-4.94	0	
SEC1GW10	SEC1GW10	6/15/2017 14:39		55.9	40.5	0.1	3.5	0.75	81.9	63.3	-1.58	-1.15	---	Opened Valve > 1 turn: :
SEC1GW10	SEC1GW10	6/15/2017 14:39	ADJ	55.9	40.5	0.1	3.5	0.75	81.9	63.3	-1.58	-1.15	---	
SEC1GW10	SEC1GW10	7/6/2017 10:44		32.4	32.6	1.8	33.2	3.06	82.4	121.7	-18.79	-26.26	---	Closed Valve > 1 turn: :
SEC1GW10	SEC1GW10	7/6/2017 10:44	ADJ	32.4	32.6	1.8	33.2	2.26	82.6	105.5	-15.88	-27.49	---	
SEC1GW10	SEC1GW10	7/20/2017 11:28		14.8	21.9	5	58.3	1.72	88.2	91.8	-13.51	-23.23	10	Closed Valve > 1 turn: :
SEC1GW10	SEC1GW10	7/20/2017 11:28	ADJ	14.8	21.9	5	58.3	0.05	88.2	15.5	-5.74	-26.77	5	
SEC1GW10	SEC1GW10	7/20/2017 11:32		14.3	21.5	4.9	59.3	0.02	88	10.3	-5.74	-26.43	5	Closed Valve > 1 turn: :
SEC1GW10	SEC1GW10	7/20/2017 11:32	ADJ	14.3	21.5	4.9	59.3	0.02	88.3	9.4	-5.07	-26.89	4	
SEC1GW10	SEC1GW10	8/8/2017 14:29		42.3	33.6	0.3	23.8	0.03	87.1	12.3	-0.74	-42.3	4	Closed Valve 1/2 turn or less: :
SEC1GW10	SEC1GW10	8/8/2017 14:29	ADJ	42.3	33.6	0.3	23.8	0.02	87.4	9.4	-0.57	-41.91	3	
SEC1GW10	SEC1GW10	9/23/2017 8:23		45.3	36.1	0.8	17.8	0.01	82.8	8	-0.73	-38.13	3	Closed Valve 1/2 turn or less: :
SEC1GW10	SEC1GW10	9/23/2017 8:23	ADJ	45.3	36.1	0.8	17.8	0.01	82.9	6.1	-0.67	-38.13	2	
SEC1GW10	SEC1GW10	10/19/2017 11:07		43.3	38.9	0.7	17.1	0.01	72	6.6	-0.43	-38.47	2	Closed Valve 1/2 turn or less: :
SEC1GW10	SEC1GW10	10/19/2017 11:07	ADJ	43.3	38.9	0.7	17.1	0.01	72	7	-0.4	-39.15	1	
SEC1GW10	SEC1GW10	11/17/2017 14:04		57.9	42.1	0	0	0.03	46.4	12.2	-0.02	-28.6	1	Opened Valve 1/2 turn or less: :
SEC1GW10	SEC1GW10	11/17/2017 14:04	ADJ	57.9	42.1	0	0	0.04	49.5	14.3	-0.13	-27.91	2	
SEC1GW10	SEC1GW10	12/8/2017 13:04		44.8	39.9	0	15.3	0.13	66.6	26.6	-0.53	-31.83	2	Closed Valve 1/2 turn or less: :
SEC1GW10	SEC1GW10	12/8/2017 13:04	ADJ	44.8	39.9	0	15.3	0.23	65.5	35.4	-0.51	-32.34	1	
SEC1GW11	SEC1GW11	1/16/2017 15:16		49	39.8	0	11.2	-1.11	58	---	-18.6	-23.36	---	,,,,,,
SEC1GW11	SEC1GW11	1/16/2017 15:16	ADJ	49	39.8	0	11.2	-5.52	58	---	-18.2	-23.36	---	
SEC1GW11	SEC1GW11	2/13/2017 13:37		58	41.9	0	1	-1	59	---	-10.1	-12.43	---	opened 1/4 turn,,,,,,
SEC1GW11	SEC1GW11	2/13/2017 13:37	ADJ	58	41.9	0	1	-0.81	59	---	-10.4	-12.43	---	
SEC1GW11	SEC1GW11	3/9/2017 8:33		58	41.3	0.5	0.2	-0.74	51	---	-10.8	-12.28	---	opened 1/2 turn,,,,,,
SEC1GW11	SEC1GW11	3/9/2017 8:33	ADJ	58	41.3	0.5	0.2	0.11	51	12	-11	-12.28	---	
SEC1GW11	SEC1GW11	4/10/2017 10:03		57.7	40.4	0.2	1.7	0.21	55	17	-24.7	-27.25	---	,,,,,,
SEC1GW11	SEC1GW11	4/10/2017 10:03	ADJ	57.7	40.4	0.2	1.7	0.33	55	21	-24.7	-27.25	---	
SEC1GW11	SEC1GW11	5/15/2017 15:16		52.4	40	0.3	7.3	0.03	59.7	12.8	-5.07	-4.51	---	No Change: :
SEC1GW11	SEC1GW11	5/15/2017 15:16	ADJ	52.4	40	0.3	7.3	0.03	59	13.7	-4	-3.02	---	
SEC1GW11	SEC1GW11	6/15/2017 14:42		55.1	42.4	0.1	2.4	0.68	81.7	60	-2.08	-1.02	---	
SEC1GW11	SEC1GW11	6/15/2017 14:42	ADJ	55.1	42.4	0.1	2.4	0.68	81.7	60	-2.08	-1.02	---	
SEC1GW11	SEC1GW11	7/6/2017 10:50		56.7	41.9	0.3	1.1	0.01	67.6	6	-26.98	-27.23	---	Opened Valve > 1 turn: :
SEC1GW11	SEC1GW11	7/6/2017 10:50	ADJ	56.7	41.9	0.3	1.1	0	68.2	0	-26.69	-27.23	---	
SEC1GW11	SEC1GW11	7/20/2017 11:35		50.3	41	0.3	8.4	0.36	67.5	40.9	-29.05	-28.64	10	No Change: :
SEC1GW11	SEC1GW11	7/20/2017 11:35	ADJ	50.3	41	0.3	8.4	0.1	67.1	22.2	-28.72	-28.64	10	
SEC1GW11	SEC1GW11	8/8/2017 14:34		39.4	37.2	0.1	23.3	0.5	65.3	46.6	-41.89	-42.55	10	Closed Valve 1/2 turn or less: :
SEC1GW11	SEC1GW11	8/8/2017 14:34	ADJ	39.4	37.2	0.1	23.3	0.51	65.3	47.2	-41.55	-42.55	7	
SEC1GW11	SEC1GW11	9/23/2017 8:27		36.2	37	0	26.8	0.81	66.9	60.6	-37.33	-38.13	7	No Change: :
SEC1GW11	SEC1GW11	9/23/2017 8:27	ADJ	36.2	37	0	26.8	0.74	66.9	57.9	-37.29	-37.96	7	
SEC1GW11	SEC1GW11	10/19/2017 11:12		38.5	36.5	0.1	24.9	0.81	65.7	60.6	-37.16	-37.83	7	Closed Valve > 1 turn: :
SEC1GW11	SEC1GW11	10/19/2017 11:12	ADJ	38.5	36.5	0.1	24.9	0.81	65.7	60.6	-37.16	-37.83	6	
SEC1GW11	SEC1GW11	11/17/2017 14:10		50.9	36.3	0.3	12.5	0.6	62.1	55.3	-17.15	-26.94	6	Closed Valve 1/2 turn or less: :
SEC1GW11	SEC1GW11	11/17/2017 14:10	ADJ	50.9	36.3	0.3	12.5	0.06	62.1	18.2	-14.91	-28	5	
SEC1GW11	SEC1GW11	12/8/2017 13:09		55	42.6	0.1	2.3	0.28	60.3	38.4	-9.88	-33.36	5	No Change: :
SEC1GW11	SEC1GW11	12/8/2017 13:09	ADJ	55	42.6	0.1	2.3	0.29	60.3	39.2	-9.88	-33.11	5	
SEC1GW12	SEC1GW12	1/16/2017 15:11		56.7	43.2	0	1	2.26	34	60	-4.5	-24.27	---	,,,,,,
SEC1GW12	SEC1GW12	1/16/2017 15:11	ADJ	56.7	43.2	0	1	-6.07	35	60	-4.7	-24.27	---	
SEC1GW12	SEC1GW12	2/13/2017 13:40		56.7	43.2	0	1	-0.02	60	---	-2.5	-12.65	---	opened 1/4 turn,,,,,,
SEC1GW12	SEC1GW12	2/13/2017 13:40	ADJ	56.7	43.2	0	1	-0.01	60	---	-3.1	-12.65	---	
SEC1GW12	SEC1GW12	3/9/2017 8:37		57.3	42.4	0.2	1	-0.03	34	---	-6.6	-12.3	---	opened 1/2 turn,,,,,,
SEC1GW12	SEC1GW12	3/9/2017 8:37	ADJ	57.3	42.4	0.2	1	-0.02	32	---	-7.1	-12.3	---	
SEC1GW12	SEC1GW12	4/10/2017 10:08		55	39.2	1.7	4.1	0	40	1	-11.7	-13.21	---	,,,,,,
SEC1GW12	SEC1GW12	4/10/2017 10:08	ADJ	55	39.2	1.7	4.1	0.01	40	3	-11.8	-13.21	---	
SEC1GW12	SEC1GW12	5/15/2017 15:19		53.7	39.7	0.4	6.2	0.01	64.9	7.4	-4.06	-3.36	---	Closed Valve 1/2 turn or less: :
SEC1GW12	SEC1GW12	5/15/2017 15:19	ADJ	53.7	39.7	0.4	6.2	0	64.2	4	-4.46	-4.04	---	
SEC1GW12	SEC1GW12	6/15/2017 14:47		58.3	40.8	0	0.9	0.68	87.3	59.5	-2.15	-1.02	---	Opened Valve > 1 turn: :
SEC1GW12	SEC1GW12	6/15/2017 14:47	ADJ	58.3	40.8	0	0.9	0.68	88.2	59.6	-2.2	-1.02	---	
SEC1GW12	SEC1GW12	7/6/2017 10:55		57.1	40.4	0.5	2	0	87.6	0	-27.36	-27.66	---	Opened Valve > 1 turn: :
SEC1GW12	SEC1GW12	7/6/2017 10:55	ADJ	57.1	40.4	0.5	2	0	88.9	0	-27.66	-27.91	---	
SEC1GW12	SEC1GW12	7/6/2017 15:17		57.2	38	0.6	4.2	0.02	97	8.2	-35.68	-35.06	---	
SEC1GW12	SEC1GW12	7/6/2017 15:17	ADJ	57.2	38	0.6	4.2	0.02	97.5	8.1	-35.47	-35.06	---	
SEC1GW12	SEC1GW12	7/11/2017 7:57		57.8	41	0.4	0.8	0.01	79.7	7.3	-35.39	-35.74	---	Opened Valve 1/2 to 1 turn: :
SEC1GW12	SEC1GW12	7/11/2017 7:57	ADJ	57.8	41	0.4	0.8	0.03	79.9	10.7	-35.39	-35.74	---	
SEC1GW12	SEC1GW12	7/20/2017 11:40		54.7	41.5	0.9	2.9	0.03	77.5	11.2	-29.39	-29.4	15	Opened Valve 1/2 turn or less: :
SEC1GW12	SEC1GW12	7/20/2017 11:40	ADJ	54.7	41.5	0.9	2.9	0.01	76.6	8.1	-28.72	-29.7	11	
SEC1GW12	SEC1GW12	8/8/2017 14:38		55.7	42.4	0.3	1.6	0.03	68.4	12.2	-38.56	-42.81	11	Opened Valve 1/2 turn or less: :
SEC1GW12	SEC1GW12	8/8/2017 14:38	ADJ	55.7	42.4	0.3	1.6	0.14	67.6	24.3	-41.89	-42.55	12	
SEC1GW12	SEC1GW12	9/23/2017 8:31		37.3	37.5	0.5	24.7	0.26	65.8	34.4	-37.33	-38.21	12	No Change: :
SEC1GW12	SEC1GW12	9/23/2017 8:31	ADJ	37.3	37.5	0.5	24.7	0.24	65.8	32.9	-37.33	-38.3	12	
SEC1GW12	SEC1GW12	10/19/2017 11:21		41.1	39.1	0.5	19.3	0.34	62.1	38.8	-40.2	-41.32	12	Closed Valve > 1 turn: :
SEC1GW12	SEC1GW12	10/19/2017 11:21	ADJ	41.1	39.1	0.5	19.3	0.24	62.1	33	-37.58	-41.66	11	
SEC1GW12	SEC1GW12	11/17/2017 14:14		54.6	38.3	0.4	6.7	0.07	54.1	19.8	-8.15	-29.66	11	No Change: :
SEC1GW12	SEC1GW12	11/17/2017 14:14	ADJ	54.6	38.3	0.4	6.7	0.08	54.1	20.8	-8.32	-29.66	11	
SEC1GW12	SEC1GW12	12/8/2017 13:15		56.7	43.1	0	0.2	0.36	45.1	45.6	-0.72	-32.51	11	Opened Valve 1/2 turn or less: :
SEC1GW12	SEC1GW12	12/8/2017 13:15	ADJ	56.7	43.1	0	0.2	0.03	45.7	13.9	-1.28	-32.55	12	

Seven Mile Creek Landfill

Gas Extraction Report

Well ID	Alias	Date/Time	ADJ	CH4 (%)	CO2 (%)	O2 (%)	Balance (%)	Diff. Press. (in. H2O)	Temp. (deg. F)	Flow (scfm)	Well Pres. (in. H2O)	Header Pres. (in. H2O)	Valve Setting (% Open)	Comments
SEC1GW13	SEC1GW13	1/16/2017 15:30		51.5	39.1	0	9.4	-0.68	48	---	-3.6	-24.83	---	,,,,,,,
SEC1GW13	SEC1GW13	1/16/2017 15:30	ADJ	51.5	39.1	0	9.4	-4.1	48	---	-3.6	-24.83	---	
SEC1GW13	SEC1GW13	2/13/2017 13:28		51	39.3	0	9.7	-0.41	56	---	0.6	-12.31	---	opened 1/2 turn,,,,,,,
SEC1GW13	SEC1GW13	2/13/2017 13:28	ADJ	51	39.3	0	9.7	0.22	56	17	-0.4	-12.31	---	
SEC1GW13	SEC1GW13	3/9/2017 8:22		27.6	29.7	1.7	41	-0.36	41	---	-2.9	-13.1	---	closed 1//4 turn,,,,,,,
SEC1GW13	SEC1GW13	3/9/2017 8:22	ADJ	27.6	29.7	1.7	41	0.11	41	12	-2.9	-13.1	---	
SEC1GW13	SEC1GW13	4/10/2017 9:54		25	27.1	1.7	46.2	0.02	52	4	-4.2	-28.97	---	,,,,,,,
SEC1GW13	SEC1GW13	4/10/2017 9:54	ADJ	25	27.1	1.7	46.2	0.01	52	3	-4.2	-28.97	---	
SEC1GW13	SEC1GW13	5/15/2017 15:08		53.7	37.7	0.1	8.5	0.02	60.8	11.5	-0.09	-4	---	No Change: :
SEC1GW13	SEC1GW13	5/15/2017 15:08	ADJ	53.7	37.7	0.1	8.5	0.02	60.6	10.4	-0.08	-5.15	---	
SEC1GW13	SEC1GW13	6/15/2017 14:35		58.5	39.3	0	2.2	0.68	86.4	60	-0.42	-1.4	---	Opened Valve > 1 turn: :
SEC1GW13	SEC1GW13	6/15/2017 14:35	ADJ	58.5	39.3	0	2.2	0.68	86.4	60	-0.42	-1.4	---	
SEC1GW13	SEC1GW13	7/6/2017 10:40		27.7	30.9	0.9	40.5	0.8	71.2	64.6	-8.78	-25.02	---	Closed Valve > 1 turn: :
SEC1GW13	SEC1GW13	7/6/2017 10:40	ADJ	27.7	30.9	0.9	40.5	0.04	71.6	13.8	-6.08	-27.32	---	
SEC1GW13	SEC1GW13	7/20/2017 11:24		10.1	23.2	2.2	64.5	0.11	75.4	24.4	-4.86	-22.77	7	Closed Valve > 1 turn: :
SEC1GW13	SEC1GW13	7/20/2017 11:24	ADJ	10.1	23.2	2.2	64.5	0.01	76.1	5.4	-3.79	-23.83	3	
SEC1GW13	SEC1GW13	8/8/2017 14:23		39.8	32.7	0	27.5	0.01	81.1	8.2	-0.72	-41.87	3	Closed Valve 1/2 turn or less: :
SEC1GW13	SEC1GW13	8/8/2017 14:23	ADJ	39.8	32.7	0	27.5	0.01	81.1	8.2	-0.72	-41.87	2	
SEC1GW13	SEC1GW13	8/8/2017 14:25		39.6	32.1	0	28.3	0.01	82	7.5	-0.62	-42.38	3	No Change: :
SEC1GW13	SEC1GW13	8/8/2017 14:25	ADJ	39.6	32.1	0	28.3	0.01	82	7.5	-0.61	-42.09	3	
SEC1GW13	SEC1GW13	9/23/2017 8:20		58	36.6	0	5.4	0.02	72.7	9.9	-0.41	-39.45	3	Opened Valve 1/2 turn or less: :
SEC1GW13	SEC1GW13	9/23/2017 8:20	ADJ	58	36.6	0	5.4	0.03	72.3	13.2	-0.58	-38.77	4	
SEC1GW13	SEC1GW13	10/19/2017 10:59		49.4	41.4	0	9.2	31.58	68.4	253.2	-158.78	-160.3	---	Closed Valve 1/2 turn or less: :
SEC1GW13	SEC1GW13	10/19/2017 10:59	ADJ	49.4	41.4	0	9.2	31.58	68.2	253.2	-158.87	-160.3	---	
SEC1GW13	SEC1GW13	10/19/2017 11:02		49.8	40.1	0	10.1	0.02	68	10.5	-1.06	-39.83	4	Closed Valve 1/2 turn or less: :
SEC1GW13	SEC1GW13	10/19/2017 11:02	ADJ	49.8	40.1	0	10.1	0.01	68	8.7	-1.02	-39.83	3	
SEC1GW13	SEC1GW13	11/17/2017 13:59		57.4	40.2	0	2.4	0.22	54.7	35.3	-0.02	-30.43	3	Opened Valve 1/2 turn or less: :
SEC1GW13	SEC1GW13	11/17/2017 13:59	ADJ	57.4	40.2	0	2.4	0.43	56.7	49.3	-0.25	-29.7	2	
SEC1GW13	SEC1GW13	12/8/2017 13:01		38.5	36.3	0.3	24.9	0.37	64.6	45.2	-1.84	-31.53	2	Closed Valve 1/2 turn or less: :
SEC1GW13	SEC1GW13	12/8/2017 13:01	ADJ	38.5	36.3	0.3	24.9	0.22	63.7	34.5	-1.49	-31.87	1	
SEC1GW14	SEC1GW14	1/16/2017 15:34		58	41.8	0	0.2	1.85	55	53	-3.4	-24.41	---	,,,,,,,
SEC1GW14	SEC1GW14	1/16/2017 15:34	ADJ	58	41.8	0	0.2	-5.86	56	53	-3.5	-24.41	---	
SEC1GW14	SEC1GW14	2/13/2017 13:22		55.5	41.4	0	3.1	0.56	101	27	-0.1	-13.95	4	opened 1/4 turn,,,,,,,
SEC1GW14	SEC1GW14	2/13/2017 13:22	ADJ	55.5	41.4	0	3.1	0.51	101	26	-0.3	-13.95	5	
SEC1GW14	SEC1GW14	3/9/2017 8:17		36.8	34.6	0.5	28.1	-0.66	60	---	-4.3	-12.77	---	closed 1//4 turn,,,,,,,
SEC1GW14	SEC1GW14	3/9/2017 8:17	ADJ	36.8	34.6	0.5	28.1	0.03	60	5	-4.3	-12.77	---	
SEC1GW14	SEC1GW14	4/10/2017 9:48		35.8	32.7	0.3	31.2	0.11	66	12	-6.7	-28.97	---	,,,,,,,
SEC1GW14	SEC1GW14	4/10/2017 9:48	ADJ	35.8	32.7	0.3	31.2	0.06	66	9	-6.6	-28.97	---	
SEC1GW14	SEC1GW14	5/15/2017 15:05		52.6	40.1	0	7.3	0.05	68.5	16.2	-0.59	-4.51	---	No Change: :
SEC1GW14	SEC1GW14	5/15/2017 15:05	ADJ	52.6	40.1	0	7.3	0.03	68.5	12	-0.57	-4.04	---	
SEC1GW14	SEC1GW14	6/15/2017 14:31		57	42.1	0	0.9	0.68	82.6	60.4	-0.52	-1.74	---	Opened Valve > 1 turn: :
SEC1GW14	SEC1GW14	6/15/2017 14:31	ADJ	57	42.1	0	0.9	0.68	82.6	60.4	-0.52	-1.74	---	
SEC1GW14	SEC1GW14	7/6/2017 10:36		30.7	32.4	0.3	36.6	0.55	80.6	52.8	-8.78	-26.04	---	Closed Valve > 1 turn: :
SEC1GW14	SEC1GW14	7/6/2017 10:36	ADJ	30.7	32.4	0.3	36.6	0.02	80.8	10.2	-7.05	-26.64	---	
SEC1GW14	SEC1GW14	7/20/2017 11:20		26.6	30.9	0.3	42.2	0.12	86	24.5	-5.07	-23.06	11	Closed Valve > 1 turn: :
SEC1GW14	SEC1GW14	7/20/2017 11:20	ADJ	26.6	30.9	0.3	42.2	0.03	86.2	12.1	-4.75	-23.19	7	
SEC1GW14	SEC1GW14	8/8/2017 14:18		46.2	37.3	0	16.5	0.06	84.6	17.9	-1.6	-41.91	7	Closed Valve 1/2 turn or less: :
SEC1GW14	SEC1GW14	8/8/2017 14:18	ADJ	46.2	37.3	0	16.5	0.02	84.7	9.4	-1.3	-41.87	5	
SEC1GW14	SEC1GW14	9/23/2017 8:16		57.7	37.5	0	4.8	0.03	77.7	13.3	-0.21	-39.62	5	Opened Valve 1/2 turn or less: :
SEC1GW14	SEC1GW14	9/23/2017 8:16	ADJ	57.7	37.5	0	4.8	0.04	77.7	14.8	-0.31	-39.66	7	
SEC1GW14	SEC1GW14	10/19/2017 10:53		52.6	40.9	0	6.5	0.04	74.3	14.7	-1.47	-38.55	---	No Change: :
SEC1GW14	SEC1GW14	10/19/2017 10:53	ADJ	52.6	40.9	0	6.5	0.05	74.3	16.2	-1.48	-39.06	---	
SEC1GW14	SEC1GW14	11/17/2017 13:52		55.6	42.5	0	1.9	0.06	66.9	17.5	-0.07	-30.94	7	Opened Valve 1/2 turn or less: :
SEC1GW14	SEC1GW14	11/17/2017 13:52	ADJ	55.6	42.5	0	1.9	0.08	65.8	20.3	-0.1	-31.28	8	
SEC1GW14	SEC1GW14	12/8/2017 12:57		41.1	38.6	0.1	20.2	0.05	65.3	16.7	-2.61	-31.06	8	Closed Valve 1/2 turn or less: :
SEC1GW14	SEC1GW14	12/8/2017 12:57	ADJ	41.1	38.6	0.1	20.2	0.02	64.6	11.4	-2.39	-31.4	7	
SEC1GW15	SEC1GW15	1/16/2017 15:38		63.7	36.2	0	1	1.14	32	44	-2.8	-24.29	---	,,,,,,,
SEC1GW15	SEC1GW15	1/16/2017 15:38	ADJ	63.7	36.2	0	1	-4.97	32	44	-3.1	-24.29	---	
SEC1GW15	SEC1GW15	2/13/2017 13:17		45.1	35.5	0	19.4	-4.18	63	---	-0.1	-14.58	---	no change,,,,,,,
SEC1GW15	SEC1GW15	2/13/2017 13:17	ADJ	45.1	35.5	0	19.4	-4.17	63	---	0	-14.58	---	
SEC1GW15	SEC1GW15	2/16/2017 7:44		49	35.5	0	15.5	-2.28	63	---	-1.2	-13.05	0	no change,,,,,,,
SEC1GW15	SEC1GW15	2/16/2017 7:44	ADJ	49	35.5	0	15.5	-2.24	63	---	-1.2	-13.05	---	
SEC1GW15	SEC1GW15	3/9/2017 8:13		28.7	29.9	0.8	40.6	0.09	44	11	-9.4	-12.7	---	no change,,,,,,,
SEC1GW15	SEC1GW15	3/9/2017 8:13	ADJ	28.7	29.9	0.8	40.6	0.07	44	10	-9.4	-12.7	---	
SEC1GW15	SEC1GW15	4/10/2017 9:43		20.1	24.2	1.6	54.1	0.4	49	23	-16	-27.82	---	,,,,,,,
SEC1GW15	SEC1GW15	4/10/2017 9:43	ADJ	20.1	24.2	1.6	54.1	0.08	49	10	-14.1	-27.82	---	
SEC1GW15	SEC1GW15	5/15/2017 15:01		34.9	28.3	0.1	36.7	0.03	55.4	12.2	-2.93	-4.17	---	Closed Valve 1/2 turn or less: :
SEC1GW15	SEC1GW15	5/15/2017 15:01	ADJ	34.9	28.3	0.1	36.7	0.02	54.9	11.2	-2.87	-4.51	---	
SEC1GW15	SEC1GW15	6/15/2017 14:28		56.1	33.8	0	10.1	0.68	72.9	60.7	-1.84	-1.79	---	
SEC1GW15	SEC1GW15	6/15/2017 14:28	ADJ	56.1	33.8	0	10.1	0.68	72.9	60.7	-1.84	-1.79	---	
SEC1GW15	SEC1GW15	7/6/2017 10:33		25.5	28.8	0.1	45.6	0.47	58.6	48.5	-19.76	-23.45	---	Closed Valve > 1 turn: :
SEC1GW15	SEC1GW15	7/6/2017 10:33	ADJ	25.5	28.8	0.1	45.6	0	59.5	0	-15.54	-25.02	---	
SEC1GW15	SEC1GW15	7/20/2017 11:17		16.1	25.5	0	58.4	0.06	66.2	17.4	-7.09	-22.34	6	Closed Valve > 1 turn: :
SEC1GW15	SEC1GW15	7/20/2017 11:17	ADJ	16.1	25.5	0	58.4	0.02	67.8	9	-6.08	-22.55	3	
SEC1GW15	SEC1GW15	8/8/2017 14:14		33.4	29.1	0	37.5	0.02	72.7	9.8	-2.78	-41.06	3	Closed Valve 1/2 turn or less: :
SEC1GW15	SEC1GW15	8/8/2017 14:14	ADJ	33.4	29.1	0	37.5	0.01	73	6.6	-2.44	-41.45	2	
SEC1GW15	SEC1GW15	9/23/2017 8:13		60	33.4	0	6.6	0.02	71.6	9.9	-0.69	-40.77	2	Opened Valve 1/2 turn or less: :
SEC1GW15	SEC1GW15	9/23/2017 8:13	ADJ	60	33.4	0	6.6	0.03	70.5	13	-1.03	-40.51	3	
SEC1GW15	SEC1GW15	10/19/2017 10:50		46	37.4	0	16.6	0.04	59.7	15.4	-3.57	-38.77	3	Closed Valve 1/2 turn or less: :
SEC1GW15	SEC1GW15	10/19/2017 10:50	ADJ	46	37.4	0	16.6	0.03	59.5	12	-3.37	-38.89	2	
SEC1GW15	SEC1GW15	11/17/2017 13:43		53.2	35	0.2	11.6	0.07	47.5	19.8	-1.55	-31.62	2	No Change: :
SEC1GW15	SEC1GW15	11/17/2017 13:43	ADJ	53.2	35	0.2	11.6	0.08	47.7	20.7	-1.56	-31.53	2	
SEC1GW15	SEC1GW15	12/8/2017 12:53		34	35.1	0	30.9	0.04	45.1	14.3	-2.69	-31.36	2	
SEC1GW15	SEC1GW15	12/8/2017 12:53	ADJ	34	35.1	0	30.9	0.02	45.1	11	-2.55	-31.53	2	
SEC1GW16	SEC1GW16	1/16/2017 14:32		50.7	35.9	0	13.4	2.5	33	63	-3.6	-23.91	---	,,,,,,,
SEC1GW16	SEC1GW16	1/16/2017 14:32	ADJ	50.7	35.9	0	13.4	-4.94	34	63	-3.5	-23.91	---	
SEC1GW16	SEC1GW16	2/13/2017 14:08		54.7	35.3	0	10	-0.01	62	---	0.3	-12.13	---	opened 1/2 turn,,,,,,,
SEC1GW16	SEC1GW16	2/13/2017 14:08	ADJ	54.7	35.3	0	10	-0.01	62	---	-1.3	-12.13	---	
SEC1GW16	SEC1GW16	3/9/2017 9:20		14.5	25.6	0.5	59.4	-0.18	37	---	-5.4	-11.83	---	no change,,,,,,,
SEC1GW16	SEC1GW16	3/9/2017 9:20	ADJ	14.5	25.6	0.5	59.4	0	36	1	-5.3	-11.83	---	
SEC1GW16	SEC1GW16	4/10/2017 10:35		17.4	24.4	0	58.2	0	43	2	-7.7	-16.21	---	,,,,,,,
SEC1GW16	SEC1GW16	4/10/2017 10:35	ADJ	17.4	24.4	0	58.2	0	43	2	-7.7	-16.21	---	
SEC1GW16	SEC1GW16	5/15/2017 15:43		44.3	28	0.9	26.8	0.01	60.4	6.2	-5.66	-8.13	---	Closed Valve 1/2 turn or less: :
SEC1GW16	SEC1GW16	5/15/2017 15:43	ADJ	44.3	28	0.9	26.8	0.01	59.7	6.4	-5.41	-7.49	---	
SEC1GW16	SEC1GW16	6/15/2017 15:39		58.7	35.3	0.3	5.7	0.68	88.9	59.3	-3.45	-3.06	---	Opened Valve > 1 turn: :
SEC1GW16	SEC1GW16	6/15/2017 15:39	ADJ	58.7	35.3	0.3	5.7	0.68	89.8	59.4	-3.69	-2.72	---	
SEC1GW16	SEC1GW16	7/6/2017 11:24		13.5	25.9	0.9	59.7	0	71.2	0	-16.77	-27.4	---	Closed Valve > 1 turn: :
SEC1GW16	SEC1GW16	7/6/2017 11:24	ADJ	13.5	25.9	0.9	59.7	0	71.6	0	-12.16	-27.57	---	
SEC1GW16	SEC1GW16	7/20/2017 13:17		9.6	23.6	0.4	66.4	0.01	87.3	6.5	-4.7	-32.68	2	Closed Valve > 1 turn: :
SEC1GW16	SEC1GW16	7/20/2017 13:17	ADJ	9.6	23.6	0.4	66.4	0	87.4	1.9	-3.83	-32.68	1	
SEC1GW16	SEC1GW16	8/8/2017 15:06		48.1	34.7	0.1	17.1	0.01	87.4	6.9	-1.41	-42.21	1	Closed Valve 1/2 turn or less: :
SEC1GW16	SEC1GW16	8/8/2017 15:06	ADJ	48.1	34.7	0.1	17.1	0.01	88.5	5.8	-1.22	-42.21	1	
SEC1GW16	SEC1GW16	9/23/2017 8:58		56.6	43.2	0	0.2	0.01	79.5	5.6	-0.49	-38.47	1	Opened Valve 1/2 turn or less: :
SEC1GW16	SEC1GW16	9/23/2017 8:58	ADJ	56.6	43.2	0	0.2	0.01	78.6	7.7	-3.11	-38.3	2	
SEC1GW16	SEC1GW16	10/19/2017 11:57		40.1	37.1	0.8	22	0.01	63	8.4	-6.76	-41.7	2	Closed Valve 1/2 turn or less: :
SEC1GW16	SEC1GW16	10/19/2017 11:57	ADJ	40.1	37.1	0.8	22	0.01	63	7.1	-5.79	-41.57	1	

Seven Mile Creek Landfill

Gas Extraction Report

Well ID	Alias	Date/Time	ADJ	CH4 (%)	CO2 (%)	O2 (%)	Balance (%)	Diff. Press. (in. H2O)	Temp. (deg. F)	Flow (scfm)	Well Pres. (in. H2O)	Header Pres. (in. H2O)	Valve Setting (% Open)	Comments
SEC1GW16	SEC1GW16	11/17/2017 14:54		48	35.5	0.4	16.1	0.02	60	9.4	-2.48	-30.72	1	Closed Valve 1/2 turn or less: :
SEC1GW16	SEC1GW16	11/17/2017 14:54	ADJ	48	35.5	0.4	16.1	0.01	45.3	8.9	-2.28	-30.94	1	
SEC1GW16	SEC1GW16	12/8/2017 14:07		39.8	37	0	23.2	0.01	37.9	8	-1.58	-34.04	1	Closed Valve 1/2 turn or less: :
SEC1GW16	SEC1GW16	12/8/2017 14:07	ADJ	39.8	37	0	23.2	0.01	36.9	7.3	-1.4	-33.7	1	
SEC1GW17	SEC1GW17	1/16/2017 14:25		56.9	40.1	0	3	4.62	50	85	-7.3	-23.91	---	,,,,,,
SEC1GW17	SEC1GW17	1/16/2017 14:25	ADJ	56.9	40.1	0	3	-5.42	50	85	-7.4	-23.91	---	
SEC1GW17	SEC1GW17	2/13/2017 14:27		57.1	39.7	0	3.2	0.71	60	32	-2.7	-11.86	---	opened 1/4 turn,,,,,,
SEC1GW17	SEC1GW17	2/13/2017 14:27	ADJ	57.1	39.7	0	3.2	0.78	67	34	-2.7	-11.86	---	
SEC1GW17	SEC1GW17	3/9/2017 9:46		53.7	38.8	0.4	7.1	0.2	47	17	-6.2	-11.76	---	opened 1/4 turn,,,,,,
SEC1GW17	SEC1GW17	3/9/2017 9:46	ADJ	53.7	38.8	0.4	7.1	0.28	47	20	-6.3	-11.76	---	
SEC1GW17	SEC1GW17	4/10/2017 10:54		50.3	37.6	0	12.1	0.5	49	27	-8.9	-16.62	---	,,,,,,
SEC1GW17	SEC1GW17	4/10/2017 10:54	ADJ	50.3	37.6	0	12.1	0.42	49	25	-9	-16.62	---	
SEC1GW17	SEC1GW17	5/15/2017 15:57		51.7	37.7	0.2	10.4	0.22	54	34.8	-3.58	-7.87	---	No Change: :
SEC1GW17	SEC1GW17	5/15/2017 15:57	ADJ	51.7	37.7	0.2	10.4	0.18	53.8	31.2	-3.53	-7.87	---	
SEC1GW17	SEC1GW17	6/15/2017 16:06		56.9	40.5	0.1	2.5	0.71	66.6	62.1	-2.15	-2.72	---	Opened Valve 1/2 to 1 turn: :
SEC1GW17	SEC1GW17	6/15/2017 16:06	ADJ	56.9	40.5	0.1	2.5	0.78	66.4	65.3	-2.39	-2.72	---	
SEC1GW17	SEC1GW17	7/6/2017 11:40		45.5	38.4	0.1	16	1.08	59.2	74.7	-13.89	-29.19	---	Closed Valve 1/2 turn or less: :
SEC1GW17	SEC1GW17	7/6/2017 11:40	ADJ	45.5	38.4	0.1	16	0.76	59.4	63	-12.84	-29.7	---	
SEC1GW17	SEC1GW17	7/20/2017 13:39		31	36.2	0	32.8	1.13	59.7	76.5	-13.51	-34.64	20	Closed Valve > 1 turn: :
SEC1GW17	SEC1GW17	7/20/2017 13:39	ADJ	31	36.2	0	32.8	0.17	61.2	29.7	-10.26	-37.53	15	
SEC1GW17	SEC1GW17	8/8/2017 15:23		48.9	36	0	15.1	0.25	62.8	36.3	-4.74	-43.19	15	Closed Valve 1/2 turn or less: :
SEC1GW17	SEC1GW17	8/8/2017 15:23	ADJ	48.9	36	0	15.1	0.15	62.8	28.2	-4.38	-44.34	14	
SEC1GW17	SEC1GW17	9/23/2017 9:18		55.5	41.6	0	2.9	0.13	62.6	26.2	-3.31	-38.26	14	Opened Valve 1/2 turn or less: :
SEC1GW17	SEC1GW17	9/23/2017 9:18	ADJ	55.5	41.6	0	2.9	0.14	62.2	27.1	-3.34	-37.96	15	
SEC1GW17	SEC1GW17	10/19/2017 12:14		56.4	42.5	0	1.1	0.17	59.2	30.7	-3.88	-40.98	15	Opened Valve 1/2 turn or less: :
SEC1GW17	SEC1GW17	10/19/2017 12:14	ADJ	56.4	42.5	0	1.1	0.21	59.2	33.4	-4.02	-40.72	16	
SEC1GW17	SEC1GW17	11/17/2017 15:25		56.7	41.7	0	1.6	0.92	59	71.5	-2.9	-29.7	16	Opened Valve 1/2 turn or less: :
SEC1GW17	SEC1GW17	11/17/2017 15:25	ADJ	56.7	41.7	0	1.6	1.03	57	75.4	-3.27	-29.79	17	
SEC1GW17	SEC1GW17	12/8/2017 14:28		53.5	41.6	0.1	4.8	0.73	50.5	63.6	-5.19	-34.68	17	Closed Valve 1/2 turn or less: :
SEC1GW17	SEC1GW17	12/8/2017 14:28	ADJ	53.5	41.6	0.1	4.8	0.98	50.4	73.9	-4.87	-35.11	15	
SEC1GW18	SEC1GW18	1/16/2017 14:29		49	37.6	0	13.4	5.35	32	93	-3.7	-23.73	---	,,,,,,
SEC1GW18	SEC1GW18	1/16/2017 14:29	ADJ	49	37.6	0	13.4	-3.39	33	93	-3.8	-23.73	---	
SEC1GW18	SEC1GW18	2/13/2017 14:12		51.8	38.7	0	9.5	-0.02	70	---	0.6	-11.26	---	opened 1/4 turn,,,,,,
SEC1GW18	SEC1GW18	2/13/2017 14:12	ADJ	51.8	38.7	0	9.5	0.08	70	10	-0.2	-11.26	---	
SEC1GW18	SEC1GW18	3/9/2017 9:27		30.3	32.4	0	37.3	0.01	39	3	-4.3	-11.9	---	closed 1//4 turn,,,,,,
SEC1GW18	SEC1GW18	3/9/2017 9:27	ADJ	30.3	32.4	0	37.3	0	38	2	-4.3	-11.9	---	
SEC1GW18	SEC1GW18	4/10/2017 10:39		30.2	30.4	0	39.4	0	43	2	-5.7	-16.2	---	,,,,,,
SEC1GW18	SEC1GW18	4/10/2017 10:39	ADJ	30.2	30.4	0	39.4	0	43	2	-5.7	-16.2	---	
SEC1GW18	SEC1GW18	5/15/2017 15:46		44.6	32.4	0.1	22.9	0	57.6	0	-1.32	-7.79	---	No Change: :
SEC1GW18	SEC1GW18	5/15/2017 15:46	ADJ	44.6	32.4	0.1	22.9	0	56.8	4.6	-1.33	-7.28	---	
SEC1GW18	SEC1GW18	6/15/2017 15:42		56.5	36.4	0	7.1	0.67	82.4	59.6	-1.32	-3.4	---	Opened Valve > 1 turn: :
SEC1GW18	SEC1GW18	6/15/2017 15:42	ADJ	56.5	36.4	0	7.1	0.68	81.7	59.9	-1.41	-3.06	---	
SEC1GW18	SEC1GW18	7/6/2017 11:27		22.6	31.2	0.1	46.1	0	63.7	0	-8.4	-27.45	---	Closed Valve > 1 turn: :
SEC1GW18	SEC1GW18	7/6/2017 11:27	ADJ	22.6	31.2	0.1	46.1	0	64.6	0	-7.77	-27.66	---	
SEC1GW18	SEC1GW18	7/20/2017 13:21		11.8	24.4	0	63.8	0.01	64.8	7.6	-7.77	-32.43	10	Closed Valve > 1 turn: :
SEC1GW18	SEC1GW18	7/20/2017 13:21	ADJ	11.8	24.4	0	63.8	0.01	65.3	8	-7.77	-32.77	5	
SEC1GW18	SEC1GW18	8/8/2017 15:10		35.4	30.7	0	33.9	0.01	65.7	7	-3.65	-42	5	Closed Valve 1/2 turn or less: :
SEC1GW18	SEC1GW18	8/8/2017 15:10	ADJ	35.4	30.7	0	33.9	0	66.2	5.2	-3.48	-42.09	3	
SEC1GW18	SEC1GW18	9/23/2017 9:02		49.2	40.2	0	10.6	0	72.3	3.9	-1.94	-38.13	3	No Change: :
SEC1GW18	SEC1GW18	9/23/2017 9:02	ADJ	49.2	40.2	0	10.6	0	72.1	3.5	-1.95	-38.13	3	
SEC1GW18	SEC1GW18	10/19/2017 12:00		47.4	40.6	0	12	0.01	63.1	8.8	-1.94	-41.91	3	Closed Valve 1/2 turn or less: :
SEC1GW18	SEC1GW18	10/19/2017 12:00	ADJ	47.4	40.6	0	12	0.01	63.3	6.6	-1.94	-41.87	2	
SEC1GW18	SEC1GW18	11/17/2017 14:59		49.8	37.7	0.1	12.4	0.01	72	8.7	-0.06	-31.11	2	Closed Valve 1/2 turn or less: :
SEC1GW18	SEC1GW18	11/17/2017 14:59	ADJ	49.8	37.7	0.1	12.4	0.01	45.3	6.9	-0.04	-31.28	1	
SEC1GW18	SEC1GW18	12/8/2017 14:11		43.4	39.1	0.2	17.3	0.01	35.2	7.2	-0.9	0.13	1	No Change: :
SEC1GW18	SEC1GW18	12/8/2017 14:11	ADJ	43.4	39.1	0.2	17.3	0.01	34	7.4	-0.9	0.17	1	
SEC1GW19	SEC1GW19	1/16/2017 14:15		59.7	40.2	0	1	1.68	37	52	-7.4	-24.19	---	,,,,,,
SEC1GW19	SEC1GW19	1/16/2017 14:15	ADJ	59.7	40.2	0	1	-6.16	38	52	-7.5	-24.19	---	
SEC1GW19	SEC1GW19	2/13/2017 14:14		59.4	39.5	0	1.1	-1.54	74	---	-1.9	-11.89	---	opened 1/2 turn,,,,,,
SEC1GW19	SEC1GW19	2/13/2017 14:14	ADJ	59.4	39.5	0	1.1	-1.38	70	---	-2.3	-11.89	---	
SEC1GW19	SEC1GW19	3/9/2017 9:32		53.6	35.9	1.2	9.3	0	31	1	-9.2	-12	---	no change,,,,,,
SEC1GW19	SEC1GW19	3/9/2017 9:32	ADJ	53.6	35.9	1.2	9.3	0	31	1	-9.2	-12	---	
SEC1GW19	SEC1GW19	4/10/2017 10:42		51.2	35.8	0	13	0	40	1	-13.5	-16.48	---	,,,,,,
SEC1GW19	SEC1GW19	4/10/2017 10:42	ADJ	51.2	35.8	0	13	0	41	1	-13.5	-16.48	---	
SEC1GW19	SEC1GW19	5/15/2017 15:49		54.1	34.9	0.4	10.6	0.02	59.4	9.4	-7.64	-8.09	---	Closed Valve 1/2 turn or less: :
SEC1GW19	SEC1GW19	5/15/2017 15:49	ADJ	54.1	34.9	0.4	10.6	0.01	58.8	6.4	-6.76	-7.79	---	
SEC1GW19	SEC1GW19	6/15/2017 15:45		57.3	39.6	0.1	3	0.67	85.1	60.6	4.97	-3.02	---	Opened Valve 1/2 to 1 turn: :
SEC1GW19	SEC1GW19	6/15/2017 15:45	ADJ	57.3	39.6	0.1	3	0.68	86	60.7	3.84	-3.06	---	
SEC1GW19	SEC1GW19	6/16/2017 7:14		57.9	35.7	0.1	6.3	0.01	65.3	7.6	-16.22	-20.3	---	No Change: :
SEC1GW19	SEC1GW19	6/16/2017 7:14	ADJ	57.9	35.7	0.1	6.3	0.01	64.8	7.4	-16.05	-20.3	---	
SEC1GW19	SEC1GW19	7/6/2017 11:30		50.7	39	0.2	10.1	0	76.1	0	-19.93	-28.34	---	No Change: :
SEC1GW19	SEC1GW19	7/6/2017 11:30	ADJ	50.7	39	0.2	10.1	0	76.1	0	-19.93	-28.34	---	
SEC1GW19	SEC1GW19	7/20/2017 13:24		31.2	34.4	0.3	34.1	0.02	74.1	8.6	-26.35	-33.23	1	No Change: :
SEC1GW19	SEC1GW19	7/20/2017 13:24	ADJ	31.2	34.4	0.3	34.1	0.01	75.2	7.4	-26.35	-33.36	1	
SEC1GW19	SEC1GW19	8/8/2017 15:13		30.8	31.9	0.6	36.7	0.01	74.5	7.2	-34.8	-42.64	1	Valve completely closed: :
SEC1GW19	SEC1GW19	8/8/2017 15:13	ADJ	30.8	31.9	0.6	36.7	0.01	75.2	7.5	-34.8	-42.6	1	
SEC1GW19	SEC1GW19	9/23/2017 9:06		38.6	35	0.5	25.9	0.01	70.9	5.2	-30.53	-38.17	1	Closed Valve 1/2 turn or less: :
SEC1GW19	SEC1GW19	9/23/2017 9:06	ADJ	38.6	35	0.5	25.9	0.01	71.2	7.2	-24.49	-38.13	1	
SEC1GW19	SEC1GW19	10/19/2017 12:04		56.8	42.4	0.3	0.5	0.01	65.5	7.2	-4.6	-41.87	1	Opened Valve 1/2 turn or less: :
SEC1GW19	SEC1GW19	10/19/2017 12:04	ADJ	56.8	42.4	0.3	0.5	0.02	63.1	8.9	-6.67	-41.87	2	
SEC1GW19	SEC1GW19	11/17/2017 15:04		50.7	36.5	0.2	12.6	0.28	74	38.1	-9.63	-31.32	2	Closed Valve 1/2 turn or less: :
SEC1GW19	SEC1GW19	11/17/2017 15:04	ADJ	50.7	36.5	0.2	12.6	0.01	45.3	8.2	-7.77	-31.36	1	
SEC1GW19	SEC1GW19	12/8/2017 14:17		55	41.8	0.2	3	0.02	39	10.6	0.24	-34.04	1	Opened Valve 1/2 turn or less: :
SEC1GW19	SEC1GW19	12/8/2017 14:17	ADJ	55	41.8	0.2	3	0.01	32.9	8	-0.05	-33.7	2	
SEC1GW20	SEC1GW20	1/16/2017 14:20		63.4	36.4	0	0.2	3.45	33	77	-1.7	-1.73	---	,,,,,,
SEC1GW20	SEC1GW20	1/16/2017 14:20	ADJ	63.4	36.4	0	0.2	-5.25	34	77	-1.8	-1.73	---	
SEC1GW20	SEC1GW20	2/13/2017 14:24		49.1	38	0	12.9	-0.4	57	---	-2.8	-11.41	---	no change,,,,,,
SEC1GW20	SEC1GW20	2/13/2017 14:24	ADJ	49.1	38	0	12.9	-0.51	57	---	-2.7	-11.41	---	
SEC1GW20	SEC1GW20	3/9/2017 9:40		42.3	35.5	0.6	21.6	-0.67	48	---	-6.7	-12	---	closed 1//4 turn,,,,,,
SEC1GW20	SEC1GW20	3/9/2017 9:40	ADJ	42.3	35.5	0.6	21.6	0.12	48	13	-6.6	-12	---	
SEC1GW20	SEC1GW20	4/10/2017 10:51		40	33.6	0	26.4	0.13	49	13	-9	-16.47	---	,,,,,,
SEC1GW20	SEC1GW20	4/10/2017 10:51	ADJ	40	33.6	0	26.4	0.07	49	9	-8.9	-16.47	---	
SEC1GW20	SEC1GW20	5/15/2017 15:54		50.1	35.7	0	14.2	0.07	54.3	19.4	-2.9	-7.96	---	No Change: :
SEC1GW20	SEC1GW20	5/15/2017 15:54	ADJ	50.1	35.7	0	14.2	0.07	54.3	19.4	-2.91	-8.13	---	
SEC1GW20	SEC1GW20	6/15/2017 16:02		55.9	38.7	0.1	5.3	0.72	70.7	62.6	-1.74	-3.49	---	Opened Valve > 1 turn: :
SEC1GW20	SEC1GW20	6/15/2017 16:02	ADJ	55.9	38.7	0.1	5.3	0.72	70.7	62.6	-1.74	-3.49	---	
SEC1GW20	SEC1GW20	7/6/2017 11:37		39.5	35.3	0.1	25.1	0.72	60.6	61.2	-12.2	-27.66	---	Closed Valve > 1 turn: :
SEC1GW20	SEC1GW20	7/6/2017 11:37	ADJ	39.5	35.3	0.1	25.1	0.08	61.2	19.8	-10.81	-29.83	---	
SEC1GW20	SEC1GW20	7/20/2017 13:35		34.5	35	0	30.5	0.21	63.5	33.4	-6.76	-34.21	15	Closed Valve > 1 turn: :
SEC1GW20	SEC1GW20	7/20/2017 13:35	ADJ	34.5	35	0	30.5	0.04	65.5	14.2	-5.74	-35.11	10	
SEC1GW20	SEC1GW20	8/8/2017 15:20		50.3	36.6	0	13.1	0	68.5	0	-2.03	-43.83	10	Closed Valve 1/2 turn or less: :
SEC1GW20	SEC1GW20	8/8/2017 15:20	ADJ	50.3	36.6	0	13.1	0	68.4	0	-1.99	-43.74	9	
SEC1GW20	SEC1GW20	9/23/2017 9:15		58.9	36.7	0	4.4	0.03	67.3	13.4	-1.01	-38.04	9	Opened Valve 1/2 turn or less: :
SEC1GW20	SEC1GW20	9/23/2017 9:15	ADJ	58.9	36.7	0	4.4	0.04	65.8	14.3	-1.07	-38.09	10	
SEC1GW20	SEC1GW20	10/19/2017 12:10		58.3	41.7	0	0	0.04	61.5	14.5	-2.05	-41.74	10	Opened Valve 1/2 turn or less: :
SEC1GW20	SEC1GW20	10/19/2017 12:10	ADJ	58.3	41.7	0	0	0.07	61.5	18.9	-2.12	-41.91	11	

Seven Mile Creek Landfill

Gas Extraction Report

Well ID	Alias	Date/Time	ADJ	CH4 (%)	CO2 (%)	O2 (%)	Balance (%)	Diff. Press. (in. H2O)	Temp. (deg. F)	Flow (scfm)	Well Pres. (in. H2O)	Header Pres. (in. H2O)	Valve Setting (% Open)	Comments
SEC1GW20	SEC1GW20	11/17/2017 15:20		57.3	41.1	0	1.6	0.1	57	23.4	-0.74	-29.96	11	Opened Valve 1/2 turn or less: :
SEC1GW20	SEC1GW20	11/17/2017 15:20	ADJ	57.3	41.1	0	1.6	0.13	57	26.9	-0.84	-30.04	10	
SEC1GW20	SEC1GW20	12/8/2017 14:25		52.5	41.9	0	5.6	0.15	50.4	29.1	-2.72	-33.32	10	Closed Valve 1/2 turn or less: :
SEC1GW20	SEC1GW20	12/8/2017 14:25	ADJ	52.5	41.9	0	5.6	0.1	50.4	24	-2.63	-33.7	9	
SEC1GW21	SEC1GW21	1/16/2017 14:11		60.1	39.7	0.1	1	0.07	47	9	-9.1	-24.21	---	,,,,,,
SEC1GW21	SEC1GW21	1/16/2017 14:11	ADJ	60.1	39.7	0.1	1	-7.31	47	9	-9.2	-24.21	---	
SEC1GW21	SEC1GW21	2/13/2017 14:20		53	38.5	0	8.5	-0.37	73	---	-4.9	-11.6	---	no change,,,,,,
SEC1GW21	SEC1GW21	2/13/2017 14:20	ADJ	53	38.5	0	8.5	-0.38	73	---	-4.9	-11.6	---	
SEC1GW21	SEC1GW21	3/9/2017 9:36		51.5	38	0.1	10.4	-0.48	40	---	-7.4	-11.66	---	no change,,,,,,
SEC1GW21	SEC1GW21	3/9/2017 9:36	ADJ	51.5	38	0.1	10.4	0.02	40	6	-7.3	-11.66	---	
SEC1GW21	SEC1GW21	4/10/2017 10:45		45.5	35.9	0	18.6	0	44	2	-10.6	-16.43	---	,,,,,,
SEC1GW21	SEC1GW21	4/10/2017 10:45	ADJ	45.5	35.9	0	18.6	0	44	2	-10.6	-16.43	---	
SEC1GW21	SEC1GW21	5/15/2017 15:51		51	35.1	0	13.9	0.03	56.8	12.1	-4.76	-7.79	---	No Change: :
SEC1GW21	SEC1GW21	5/15/2017 15:51	ADJ	51	35.1	0	13.9	0.03	56.5	13.1	-4.72	-6.43	---	
SEC1GW21	SEC1GW21	6/15/2017 15:47		55.8	38.3	0.1	5.8	0.68	83.3	59.8	-3.34	-3.06	---	Opened Valve 1/2 to 1 turn: :
SEC1GW21	SEC1GW21	6/15/2017 15:47	ADJ	55.8	38.3	0.1	5.8	0.68	82.9	59.7	-3.77	-3.4	---	
SEC1GW21	SEC1GW21	7/6/2017 11:33		50.1	37.2	0.3	12.4	0	66.7	0	-22.3	-28.04	---	No Change: :
SEC1GW21	SEC1GW21	7/6/2017 11:33	ADJ	50.1	37.2	0.3	12.4	0	66.7	0	-22.3	-28.09	---	
SEC1GW21	SEC1GW21	7/20/2017 13:27		36.1	34.3	0.3	29.3	0.08	66.6	19.6	-26.35	-33.06	11	Closed Valve > 1 turn: :
SEC1GW21	SEC1GW21	7/20/2017 13:27	ADJ	36.1	34.3	0.3	29.3	0.02	68	9.6	-20.4	-33.74	7	
SEC1GW21	SEC1GW21	8/8/2017 15:16		44.7	34.2	0	21.1	0.02	69.6	11.2	-10.3	-42.68	7	Closed Valve 1/2 to 1 turn: :
SEC1GW21	SEC1GW21	8/8/2017 15:16	ADJ	44.7	34.2	0	21.1	0.01	70.3	7.5	-7.69	-43.11	5	
SEC1GW21	SEC1GW21	9/23/2017 9:11		59.2	37.9	0.1	2.8	0.01	75.9	5.6	-1.08	-38.47	5	Opened Valve 1/2 turn or less: :
SEC1GW21	SEC1GW21	9/23/2017 9:11	ADJ	59.2	37.9	0.1	2.8	0.02	75.7	9.3	-1.78	-38.17	6	
SEC1GW21	SEC1GW21	10/19/2017 12:07		53.1	39.5	0	7.4	0.02	62.4	10.9	-6.08	-41.66	6	No Change: :
SEC1GW21	SEC1GW21	10/19/2017 12:07	ADJ	53.1	39.5	0	7.4	0.02	62.6	11	-6.08	-41.66	6	
SEC1GW21	SEC1GW21	11/17/2017 15:09		57.4	38.6	0	4	0.03	---	12.1	-4.47	-31.32	---	Opened Valve 1/2 turn or less: :
SEC1GW21	SEC1GW21	11/17/2017 15:09	ADJ	57.4	38.6	0	4	0.03	45.3	13.1	-4.84	-31.23	---	
SEC1GW21	SEC1GW21	11/17/2017 15:14		57.4	39.5	0	3.1	0.06	74	18.3	-6.08	-30.81	6	No Change: :
SEC1GW21	SEC1GW21	11/17/2017 15:14	ADJ	57.4	39.5	0	3.1	0.06	45.3	17.6	-6.08	-30.94	6	
SEC1GW21	SEC1GW21	12/8/2017 14:21		44.6	38.1	0.3	17	0.07	48.2	18.9	-11.57	-34.09	6	Closed Valve 1/2 turn or less: :
SEC1GW21	SEC1GW21	12/8/2017 14:21	ADJ	44.6	38.1	0.3	17	0.02	47.8	11.3	-9.88	-34.13	5	
SEC1GW22	SEC1GW22	1/16/2017 14:00		62.9	36.9	0	0.2	-0.38	42	---	-3	-25.94	---	,,,,,,
SEC1GW22	SEC1GW22	1/16/2017 14:00	ADJ	62.9	36.9	0	0.2	-7.61	43	---	-3.2	-25.94	---	
SEC1GW22	SEC1GW22	2/13/2017 13:14		47.9	35.5	0	16.6	-1.14	60	---	-0.7	-14.59	---	no change,,,,,,
SEC1GW22	SEC1GW22	2/13/2017 13:14	ADJ	47.9	35.5	0	16.6	-1.17	60	---	-0.7	-14.59	---	
SEC1GW22	SEC1GW22	3/9/2017 8:08		30	31.4	0.3	38.3	0.02	41	4	-3.9	-13.08	---	closed 1//4 turn,,,,,,
SEC1GW22	SEC1GW22	3/9/2017 8:08	ADJ	30	31.4	0.3	38.3	0	40	2	-3.9	-13.08	---	
SEC1GW22	SEC1GW22	4/10/2017 9:38		14.7	24.2	0	61.1	0.02	47	5	-6.6	-25.81	---	,,,,,,
SEC1GW22	SEC1GW22	4/10/2017 9:38	ADJ	14.7	24.2	0	61.1	0.01	47	3	-6.5	-25.81	---	
SEC1GW22	SEC1GW22	5/15/2017 14:58		28.2	25.7	1.7	44.4	0	62.1	0	-1.98	-5.02	---	No Change: :
SEC1GW22	SEC1GW22	5/15/2017 14:58	ADJ	28.2	25.7	1.7	44.4	0.01	61	6.6	-1.97	-5.11	---	
SEC1GW22	SEC1GW22	6/1/2017 11:26		56.2	41.2	0	2.6	0.7	120.2	52.9	-40.54	-48.38	0	Opened Valve > 1 turn: :
SEC1GW22	SEC1GW22	6/1/2017 11:26	ADJ	56.2	41.2	0	2.6	0.62	120.2	49.7	-40.75	-48.47	0	
SEC1GW22	SEC1GW22	6/15/2017 14:25		56.4	34.5	0.3	8.8	0.68	82.9	60.1	-1.29	-2.38	---	Opened Valve > 1 turn: :
SEC1GW22	SEC1GW22	6/15/2017 14:25	ADJ	56.4	34.5	0.3	8.8	0.68	82.9	60.1	-1.29	-2.38	---	
SEC1GW22	SEC1GW22	7/6/2017 10:29		26.8	29.5	0.1	43.6	0.55	61.9	53.3	-15.2	-22.3	---	Closed Valve > 1 turn: :
SEC1GW22	SEC1GW22	7/6/2017 10:29	ADJ	26.8	29.5	0.1	43.6	0	62.6	0	-12.67	-24.3	---	
SEC1GW22	SEC1GW22	7/20/2017 11:12		15.7	25.3	0	59	0.11	67.1	23.8	-7.09	-22.09	10	Closed Valve > 1 turn: :
SEC1GW22	SEC1GW22	7/20/2017 11:12	ADJ	15.7	25.3	0	59	0.02	67.1	10.6	-6.76	-22.51	5	
SEC1GW22	SEC1GW22	8/8/2017 14:10		36.7	30.3	0	33	0.06	69.8	18.2	-3.17	-39.74	5	Closed Valve 1/2 turn or less: :
SEC1GW22	SEC1GW22	8/8/2017 14:10	ADJ	36.7	30.3	0	33	0.01	69.4	7.5	-2.86	-40.51	3	
SEC1GW22	SEC1GW22	9/23/2017 8:10		58.3	38.1	0	3.6	0.01	70.9	7	-0.15	-41.79	3	Opened Valve 1/2 turn or less: :
SEC1GW22	SEC1GW22	9/23/2017 8:10	ADJ	58.3	38.1	0	3.6	0.02	70	11	-0.27	-41.28	4	
SEC1GW22	SEC1GW22	10/19/2017 10:41		47.4	36	0	16.6	0.03	60.3	13.1	-2.49	-38.34	4	Closed Valve 1/2 turn or less: :
SEC1GW22	SEC1GW22	10/19/2017 10:41	ADJ	47.4	36	0	16.6	0.02	60.3	10.4	-2.4	-38.51	3	
SEC1GW22	SEC1GW22	11/17/2017 13:37		60.6	38.1	0	1.3	0.06	46.9	17.8	-0.11	-33.11	3	Opened Valve 1/2 turn or less: :
SEC1GW22	SEC1GW22	11/17/2017 13:37	ADJ	60.6	38.1	0	1.3	0.08	50	21.2	-0.27	-32.72	4	
SEC1GW22	SEC1GW22	12/8/2017 12:49		35.8	34.2	0.1	29.9	0.33	51.3	43.1	-2.83	-30.94	4	Closed Valve 1/2 turn or less: :
SEC1GW22	SEC1GW22	12/8/2017 12:49	ADJ	35.8	34.2	0.1	29.9	0.16	51.1	29.4	-2.67	-30.94	3	
SEC1GW23	SEC1GW23	1/16/2017 14:04		62	37.9	0	1	0.17	33	16	-2.4	-25.84	---	,,,,,,
SEC1GW23	SEC1GW23	1/16/2017 14:04	ADJ	62	37.9	0	1	-5.92	34	16	-2.6	-25.84	---	
SEC1GW23	SEC1GW23	2/13/2017 13:11		30.1	31.3	0	38.6	-0.46	45	---	-0.6	-13.73	---	no change,,,,,,
SEC1GW23	SEC1GW23	2/13/2017 13:11	ADJ	30.1	31.3	0	38.6	-0.47	45	---	-0.6	-13.73	---	
SEC1GW23	SEC1GW23	3/9/2017 8:01		11	22.5	1.6	64.9	0.46	59	25	-5.4	-11.95	---	opened 1/2 turn,,,,,,
SEC1GW23	SEC1GW23	3/9/2017 8:01	ADJ	11	22.5	1.6	64.9	0.3	59	20	-5.5	-11.95	---	
SEC1GW23	SEC1GW23	4/10/2017 9:33		18	23.8	1.3	56.9	0.25	65	18	-8.5	-12.87	---	,,,,,,
SEC1GW23	SEC1GW23	4/10/2017 9:33	ADJ	18	23.8	1.3	56.9	0.07	65	9	-8.1	-12.87	---	
SEC1GW23	SEC1GW23	5/15/2017 14:50		28.3	28.2	0.3	43.2	0.18	68.2	31.2	-4.47	-7.53	---	Closed Valve 1/2 turn or less: :
SEC1GW23	SEC1GW23	5/15/2017 14:50	ADJ	28.3	28.2	0.3	43.2	0.18	68.4	30.9	-4.4	-8.09	---	
SEC1GW23	SEC1GW23	6/15/2017 14:21		44.2	31.7	0	24.1	0.75	73.4	63.6	-2.79	-3.74	---	
SEC1GW23	SEC1GW23	6/15/2017 14:21	ADJ	44.2	31.7	0	24.1	0.75	73.4	63.6	-2.79	-3.74	---	
SEC1GW23	SEC1GW23	7/6/2017 10:25		19.4	25.2	0.5	54.9	0.03	73.9	12.6	-5.74	-20.89	---	Closed Valve > 1 turn: :
SEC1GW23	SEC1GW23	7/6/2017 10:25	ADJ	19.4	25.2	0.5	54.9	0	75.2	0	-5.07	-21.79	---	
SEC1GW23	SEC1GW23	7/20/2017 11:06		10.3	22.4	1.1	66.2	0.01	79.7	6.6	-4.32	-22.81	7	Closed Valve 1/2 turn or less: :
SEC1GW23	SEC1GW23	7/20/2017 11:06	ADJ	10.3	22.4	1.1	66.2	0	79.9	5.2	-4.28	-22.81	3	
SEC1GW23	SEC1GW23	8/8/2017 14:07		34	30.5	0.2	35.3	0.01	84.9	7.4	-1.26	-39.83	3	Closed Valve 1/2 turn or less: :
SEC1GW23	SEC1GW23	8/8/2017 14:07	ADJ	34	30.5	0.2	35.3	0.01	84.7	6.7	-1.23	-39.79	2	
SEC1GW23	SEC1GW23	9/23/2017 8:07		58.8	37.3	0	3.9	0.01	74.7	6.3	0.25	-43.4	2	Opened Valve 1/2 turn or less: :
SEC1GW23	SEC1GW23	9/23/2017 8:07	ADJ	58.8	37.3	0	3.9	0.06	72.3	17.7	-0.2	-42.09	3	
SEC1GW23	SEC1GW23	10/19/2017 10:37		38.2	36.4	0	25.4	0.05	67.1	16.8	-2.48	-38.21	3	Closed Valve 1/2 to 1 turn: :
SEC1GW23	SEC1GW23	10/19/2017 10:37	ADJ	38.2	36.4	0	25.4	0.02	66.7	11.7	-2.29	-38.6	2	
SEC1GW23	SEC1GW23	11/17/2017 13:31		55.9	39.3	0	4.8	0.42	59	48.5	-0.13	-33.91	2	Opened Valve 1/2 turn or less: :
SEC1GW23	SEC1GW23	11/17/2017 13:31	ADJ	55.9	39.3	0	4.8	0.3	58.3	41.4	-0.25	-33.83	3	
SEC1GW23	SEC1GW23	12/8/2017 12:44		27.8	33.7	0.2	38.3	0.06	58.6	18.2	-2.41	-30.3	3	Closed Valve 1/2 turn or less: :
SEC1GW23	SEC1GW23	12/8/2017 12:44	ADJ	27.8	33.7	0.2	38.3	0.04	57.9	14.5	-2.29	-30.64	2	
SEC1GW24	SEC1GW24	1/16/2017 14:08		60.4	39.4	0	0.2	-2.91	37	---	-2.7	-24.69	---	,,,,,,
SEC1GW24	SEC1GW24	1/16/2017 14:08	ADJ	60.4	39.4	0	0.2	-11.31	38	---	-2.9	-24.69	---	
SEC1GW24	SEC1GW24	2/13/2017 13:08		38.4	35.4	0	26.2	-0.62	37	---	-0.6	-13.82	---	,,,,,,
SEC1GW24	SEC1GW24	2/13/2017 13:08	ADJ	38.4	35.4	0	26.2	-0.62	37	---	-0.6	-13.82	---	
SEC1GW24	SEC1GW24	3/9/2017 7:55		29.9	31.1	0.1	38.9	-0.24	41	---	-4.3	-14.04	---	no change,,,,,,
SEC1GW24	SEC1GW24	3/9/2017 7:55	ADJ	29.9	31.1	0.1	38.9	0.02	42	4	-4.3	-14.04	---	
SEC1GW24	SEC1GW24	4/10/2017 9:27		16.2	23.6	0	60.2	0.02	46	5	-6.2	-14.09	---	,,,,,,
SEC1GW24	SEC1GW24	4/10/2017 9:27	ADJ	16.2	23.6	0	60.2	0.01	46	3	-6.3	-14.09	---	
SEC1GW24	SEC1GW24	5/15/2017 14:47		28.7	28	0.1	43.2	0.01	65.5	6.9	-2.43	-7.79	---	Closed Valve 1/2 turn or less: :
SEC1GW24	SEC1GW24	5/15/2017 14:47	ADJ	28.7	28	0.1	43.2	0.01	65.1	5.7	-2.43	-7.79	---	
SEC1GW24	SEC1GW24	6/15/2017 14:17		55.2	34.8	0	10	0.68	93	59.6	-1.14	-4.77	---	Opened Valve > 1 turn: :
SEC1GW24	SEC1GW24	6/15/2017 14:17	ADJ	55.2	34.8	0	10	0.68	93	59.6	-1.14	-4.77	---	
SEC1GW24	SEC1GW24	7/6/2017 10:18		29.8	30.4	0	39.8	0.13	66.9	26.6	-6.33	-19.57	---	Closed Valve 1/2 turn or less: :
SEC1GW24	SEC1GW24	7/6/2017 10:18	ADJ	29.8	30.4	0	39.8	0.02	67.1	10.9	-5.74	-19.87	---	
SEC1GW24	SEC1GW24	7/20/2017 11:02		18.6	25.7	0.4	55.3	0.11	73	23.6	-6.42	-22.09	11	Closed Valve > 1 turn: :
SEC1GW24	SEC1GW24	7/20/2017 11:02	ADJ	18.6	25.7	0.4	55.3	0.01	73.9	7.3	-5.74	-22.89	5	
SEC1GW24	SEC1GW24	8/8/2017 14:03		43.1	31.6	0	25.3	0.02	81	8.9	-2.13	-39.83	5	Closed Valve 1/2 turn or less: :
SEC1GW24	SEC1GW24	8/8/2017 14:03	ADJ	43.1	31.6	0	25.3	0.01	80.8	5.8	-2.04	-39.83	3	
SEC1GW24	SEC1GW24	9/23/2017 8:03		58.6	34.7	0	6.7	0.89	73.4	69.3	-0.7	-43.74	3	Opened Valve 1/2 turn or less: :
SEC1GW24	SEC1GW24	9/23/2017 8:03	ADJ	58.6	34.7	0	6.7	0.62	71.1	57.9	-0.6	-43.45	4	

Seven Mile Creek Landfill

Gas Extraction Report

Well ID	Alias	Date/Time	ADJ	CH4 (%)	CO2 (%)	O2 (%)	Balance (%)	Diff. Press. (in. H2O)	Temp. (deg. F)	Flow (scfm)	Well Pres. (in. H2O)	Header Pres. (in. H2O)	Valve Setting (% Open)	Comments
SEC1GW24	SEC1GW24	10/19/2017 10:33		46.5	39.2	0	14.3	0.02	64.2	11	-2.5	-37.62	4	Closed Valve 1/2 turn or less: :
SEC1GW24	SEC1GW24	10/19/2017 10:33	ADJ	46.5	39.2	0	14.3	0.01	64.2	7.9	-2.38	-38.13	3	
SEC1GW24	SEC1GW24	11/17/2017 13:24		55.1	37.6	0	7.3	0.02	46.9	11.3	-0.11	-34.68	3	No Change: :
SEC1GW24	SEC1GW24	11/17/2017 13:24	ADJ	55.1	37.6	0	7.3	0.14	54.3	28.5	-0.09	-34.47	3	
SEC1GW24	SEC1GW24	12/8/2017 12:41		30.2	34.3	0.2	35.3	0.04	52.5	14.2	-2.54	-29.91	3	Closed Valve 1/2 turn or less: :
SEC1GW24	SEC1GW24	12/8/2017 12:41	ADJ	30.2	34.3	0.2	35.3	0.02	52.2	10.4	-2.44	-30.3	2	

Notes:

- Indicates an exceedance of the operating conditions for oxygen (≥5%), pressure (≥ 0.0 in. H20), or temperature (≥131 deg.F) except where alternate operation conditions have been established.

The following alternate standards have been approved for the following wells:
Temperature (143 degrees F): SC2GW36A(10/11/2015); SEC2GW45(10/17/2017)
Temperature (148 degrees F): SC2GW23A(10/10/2014)
The WDNR 3/15/05 blanket approval allowing O2 limits for STOC's (i.e. leachate cleanouts, recirculation lines, and manholes) to exceed 5% was rescinded on 9/25/15.
Oxygen limits at STOCs must now meet NSPS standards of less than 5%, unless a specific individual alternative operating value is approved.
Please refer to the Landfill Documentation section of the website for further information pertaining to the above listed alternate limits

Attachment B-2

Gas Probe Monitoring Data

Seven Mile Creek Landfill

Gas Probe Monitoring Report

Well ID	Alias	Date/Time	ADJ	CH4 (%)	CO2 (%)	O2 (%)	Balance (%)
Sector 1 Gas Probes							
S1GP1701	S1GP1701	1/2/2017 15:40		0	2.4	22	75.6
S1GP1701	S1GP1701	1/2/2017 15:40	ADJ	0	2.4	22	75.6
S1GP1701	S1GP1701	4/7/2017 14:43		0	2.6	20.1	77.3
S1GP1701	S1GP1701	4/7/2017 14:43	ADJ	0	2.6	20.1	77.3
S1GP1701	S1GP1701	8/7/2017 10:39		0	2.6	20.1	77.3
S1GP1701	S1GP1701	8/7/2017 10:39	ADJ	0	2.6	20.1	77.3
S1GP1701	S1GP1701	10/2/2017 14:22		0	0.7	22.6	76.7
S1GP1701	S1GP1701	10/2/2017 14:22	ADJ	0	0.7	22.6	76.7
S1GP2705	S1GP2705	1/2/2017 15:43		0	0.6	19.6	79.8
S1GP2705	S1GP2705	1/2/2017 15:43	ADJ	0	0.6	19.6	79.8
S1GP2705	S1GP2705	4/7/2017 14:46		0	0.4	21.4	78.2
S1GP2705	S1GP2705	4/7/2017 14:46	ADJ	0	0.4	21.4	78.2
S1GP2705	S1GP2705	8/7/2017 10:42		0	0.3	22.6	77.1
S1GP2705	S1GP2705	8/7/2017 10:42	ADJ	0	0.3	22.6	77.1
S1GP2705	S1GP2705	10/2/2017 14:31		0	0.3	23.1	76.6
S1GP2705	S1GP2705	10/2/2017 14:31	ADJ	0	0.3	23.1	76.6
S1GP3711	S1GP3711	1/2/2017 15:47		0	1.8	22.1	76.1
S1GP3711	S1GP3711	1/2/2017 15:47	ADJ	0	1.8	22.1	76.1
S1GP3711	S1GP3711	4/7/2017 14:49		0	1	20.7	78.3
S1GP3711	S1GP3711	4/7/2017 14:49	ADJ	0	1	20.7	78.3
S1GP3711	S1GP3711	8/7/2017 10:45		0	1.3	21.4	77.3
S1GP3711	S1GP3711	8/7/2017 10:45	ADJ	0	1.3	21.4	77.3
S1GP3711	S1GP3711	10/2/2017 14:35		0	1.1	22	76.9
S1GP3711	S1GP3711	10/2/2017 14:35	ADJ	0	1.1	22	76.9
S1GP4715	S1GP4715	1/2/2017 15:50		0	1.2	19.6	79.2
S1GP4715	S1GP4715	1/2/2017 15:50	ADJ	0	1.2	19.6	79.2
S1GP4715	S1GP4715	4/7/2017 14:38		0	0.8	21.1	78.1
S1GP4715	S1GP4715	4/7/2017 14:38	ADJ	0	0.8	21.1	78.1
S1GP4715	S1GP4715	8/7/2017 10:34		0	1	22.1	76.9
S1GP4715	S1GP4715	8/7/2017 10:34	ADJ	0	1	22.1	76.9
S1GP4715	S1GP4715	10/2/2017 14:40		0	4.1	19.1	76.8
S1GP4715	S1GP4715	10/2/2017 14:40	ADJ	0	4.1	19.1	76.8
Sector 2 Gas Probes							
S2GP1500	S2GP1500	1/2/2017 14:25		0	0.7	19.7	79.6
S2GP1500	S2GP1500	1/2/2017 14:25	ADJ	0	0.7	19.7	79.6
S2GP1500	S2GP1500	4/7/2017 14:56		0	0.6	21.3	78.1
S2GP1500	S2GP1500	4/7/2017 14:56	ADJ	0	0.6	21.3	78.1
S2GP1500	S2GP1500	8/7/2017 9:56		0	1.2	21.6	77.2
S2GP1500	S2GP1500	8/7/2017 9:56	ADJ	0	1.2	21.6	77.2
S2GP1500	S2GP1500	10/2/2017 8:36		0	1.2	21.6	77.2
S2GP1500	S2GP1500	10/2/2017 8:36	ADJ	0	1.2	21.6	77.2
S2GP2503	S2GP2503	1/2/2017 14:37		0	1.6	19.2	79.2
S2GP2503	S2GP2503	1/2/2017 14:37	ADJ	0	1.6	19.2	79.2
S2GP2503	S2GP2503	4/7/2017 14:59		0	1.1	20.6	78.3
S2GP2503	S2GP2503	4/7/2017 14:59	ADJ	0	1.1	20.6	78.3

Seven Mile Creek Landfill

Gas Probe Monitoring Report

Well ID	Alias	Date/Time	ADJ	CH4 (%)	CO2 (%)	O2 (%)	Balance (%)
Sector 1 Gas Probes							
S2GP2503	S2GP2503	8/7/2017 10:02		0	2.4	20.5	77.1
S2GP2503	S2GP2503	8/7/2017 10:02	ADJ	0	2.4	20.5	77.1
S2GP2503	S2GP2503	10/2/2017 8:41		0	1	22.2	76.8
S2GP2503	S2GP2503	10/2/2017 8:41	ADJ	0	1	22.2	76.8
S2GP3505	S2GP3505	1/2/2017 14:43		0	0.9	20	79.1
S2GP3505	S2GP3505	1/2/2017 14:43	ADJ	0	0.9	20	79.1
S2GP3505	S2GP3505	4/7/2017 15:04		0	0.5	21.3	78.2
S2GP3505	S2GP3505	4/7/2017 15:04	ADJ	0	0.5	21.3	78.2
S2GP3505	S2GP3505	8/7/2017 10:07		0	1.6	20.9	77.5
S2GP3505	S2GP3505	8/7/2017 10:07	ADJ	0	1.6	20.9	77.5
S2GP3505	S2GP3505	10/2/2017 8:47		0	0.7	22.6	76.7
S2GP3505	S2GP3505	10/2/2017 8:47	ADJ	0	0.7	22.6	76.7
S2GP4507	S2GP4507	1/2/2017 14:50		0	1.2	19.4	79.4
S2GP4507	S2GP4507	1/2/2017 14:50	ADJ	0	1.2	19.4	79.4
S2GP4507	S2GP4507	4/7/2017 15:08		0	0.9	20.8	78.3
S2GP4507	S2GP4507	4/7/2017 15:08	ADJ	0	0.9	20.8	78.3
S2GP4507	S2GP4507	8/7/2017 10:10		0	1.9	20.2	77.9
S2GP4507	S2GP4507	8/7/2017 10:10	ADJ	0	1.9	20.2	77.9
S2GP4507	S2GP4507	10/2/2017 8:50		0	2.1	20.9	77
S2GP4507	S2GP4507	10/2/2017 8:50	ADJ	0	2.1	20.9	77
S2GP5509	S2GP5509	1/2/2017 14:52		0	9.6	12.7	77.7
S2GP5509	S2GP5509	1/2/2017 14:52	ADJ	0	9.6	12.7	77.7
S2GP5509	S2GP5509	4/7/2017 15:10		0	9.8	9.9	80.3
S2GP5509	S2GP5509	4/7/2017 15:10	ADJ	0	9.8	9.9	80.3
S2GP5509	S2GP5509	8/7/2017 10:13		0	0.1	23	76.9
S2GP5509	S2GP5509	8/7/2017 10:13	ADJ	0	0.1	23	76.9
S2GP5509	S2GP5509	10/2/2017 8:53		0	0.6	21.9	77.5
S2GP5509	S2GP5509	10/2/2017 8:53	ADJ	0	0.6	21.9	77.5
S2GP6510	S2GP6510	1/2/2017 15:36		0	0	19.9	80.1
S2GP6510	S2GP6510	1/2/2017 15:36	ADJ	0	0	19.9	80.1
S2GP6510	S2GP6510	4/7/2017 14:53		0	0	21.7	78.3
S2GP6510	S2GP6510	4/7/2017 14:53	ADJ	0	0	21.7	78.3
S2GP6510	S2GP6510	8/7/2017 9:53		0	0	23.2	76.8
S2GP6510	S2GP6510	8/7/2017 9:53	ADJ	0	0	23.2	76.8
S2GP6510	S2GP6510	10/2/2017 14:11		0	0	23.9	76.1
S2GP6510	S2GP6510	10/2/2017 14:11	ADJ	0	0	23.9	76.1
S2GP7512	S2GP7512	1/2/2017 15:31		0	0.2	19.6	80.2
S2GP7512	S2GP7512	1/2/2017 15:31	ADJ	0	0.2	19.6	80.2
S2GP7512	S2GP7512	4/7/2017 14:40		0	0.2	21.3	78.5
S2GP7512	S2GP7512	4/7/2017 14:40	ADJ	0	0.2	21.3	78.5
S2GP7512	S2GP7512	8/7/2017 9:42		0	0	23.2	76.8
S2GP7512	S2GP7512	8/7/2017 9:42	ADJ	0	0	23.2	76.8
S2GP7512	S2GP7512	10/2/2017 14:06		0	3.4	18.5	78.1
S2GP7512	S2GP7512	10/2/2017 14:06	ADJ	0	3.4	18.5	78.1
S2GP8514	S2GP8514	1/2/2017 15:22		0	1.6	21.4	77

Seven Mile Creek Landfill

Gas Probe Monitoring Report

Well ID	Alias	Date/Time	ADJ	CH4 (%)	CO2 (%)	O2 (%)	Balance (%)
Sector 1 Gas Probes							
S2GP8514	S2GP8514	1/2/2017 15:22	ADJ	0	1.6	21.4	77
S2GP8514	S2GP8514	4/7/2017 14:35		0	1.3	19.4	79.3
S2GP8514	S2GP8514	4/7/2017 14:35	ADJ	0	1.3	19.4	79.3
S2GP8514	S2GP8514	8/7/2017 9:39		0	0	23.1	76.9
S2GP8514	S2GP8514	8/7/2017 9:39	ADJ	0	0	23.1	76.9
S2GP8514	S2GP8514	10/2/2017 14:02		0	1.4	22	76.6
S2GP8514	S2GP8514	10/2/2017 14:02	ADJ	0	1.4	22	76.6
S2GP9516	S2GP9516	1/2/2017 15:19		0	0.2	19.6	80.2
S2GP9516	S2GP9516	1/2/2017 15:19	ADJ	0	0.2	19.6	80.2
S2GP9516	S2GP9516	4/7/2017 14:32		0	0.4	20.7	78.9
S2GP9516	S2GP9516	4/7/2017 14:32	ADJ	0	0.4	20.7	78.9
S2GP9516	S2GP9516	8/7/2017 9:36		0	0	23	77
S2GP9516	S2GP9516	8/7/2017 9:36	ADJ	0	0	23	77
S2GP9516	S2GP9516	10/2/2017 13:59		0	6.7	14.7	78.6
S2GP9516	S2GP9516	10/2/2017 13:59	ADJ	0	6.7	14.7	78.6
Gas Probe 10	Gas Probe 10	8/7/2017 10:16		0	0	23.2	76.8
Gas Probe 10	Gas Probe 10	8/7/2017 10:16	ADJ	0	0	23.2	76.8
Gas Probe 10	Gas Probe 10	10/2/2017 9:07		0	0	23.7	76.3
Gas Probe 10	Gas Probe 10	10/2/2017 9:07	ADJ	0	0	23.7	76.3
Gas Probe 11	Gas Probe 11	8/7/2017 10:20		0	0	23.3	76.7
Gas Probe 11	Gas Probe 11	8/7/2017 10:20	ADJ	0	0	23.3	76.7
Gas Probe 11	Gas Probe 11	10/2/2017 9:10		0	0	23.8	76.2
Gas Probe 11	Gas Probe 11	10/2/2017 9:10	ADJ	0	0	23.8	76.2
2GP12522	2GP12522	1/2/2017 15:04		0	0.7	19.6	79.7
2GP12522	2GP12522	1/2/2017 15:04	ADJ	0	0.7	19.6	79.7
2GP12522	2GP12522	4/7/2017 15:15		0	0.6	20.6	78.8
2GP12522	2GP12522	4/7/2017 15:15	ADJ	0	0.6	20.6	78.8
2GP12522	2GP12522	8/7/2017 10:22		0	0.3	22.6	77.1
2GP12522	2GP12522	8/7/2017 10:22	ADJ	0	0.3	22.6	77.1
2GP12522	2GP12522	10/2/2017 9:14		0	0.3	22.6	77.1
2GP12522	2GP12522	10/2/2017 9:14	ADJ	0	0.3	22.6	77.1
2GP13524	2GP13524	1/2/2017 15:07		0	0.9	19.2	79.9
2GP13524	2GP13524	1/2/2017 15:07	ADJ	0	0.9	19.2	79.9
2GP13524	2GP13524	4/7/2017 15:20		0	0.5	21.1	78.4
2GP13524	2GP13524	4/7/2017 15:20	ADJ	0	0.5	21.1	78.4
2GP13524	2GP13524	8/7/2017 10:26		0	0.1	23.1	76.8
2GP13524	2GP13524	8/7/2017 10:26	ADJ	0	0.1	23.1	76.8
2GP13524	2GP13524	10/2/2017 9:17		0	0.3	22.8	76.9
2GP13524	2GP13524	10/2/2017 9:17	ADJ	0	0.3	22.8	76.9
2GP14526	2GP14526	1/2/2017 15:10		0	6.6	17	76.4
2GP14526	2GP14526	1/2/2017 15:10	ADJ	0	6.6	17	76.4
2GP14526	2GP14526	4/7/2017 15:23		0	5.6	15.9	78.5
2GP14526	2GP14526	4/7/2017 15:23	ADJ	0	5.6	15.9	78.5
2GP14526	2GP14526	8/7/2017 10:29		0	0	23.3	76.7
2GP14526	2GP14526	8/7/2017 10:29	ADJ	0	0	23.3	76.7

Seven Mile Creek Landfill

Gas Probe Monitoring Report

Well ID	Alias	Date/Time	ADJ	CH4 (%)	CO2 (%)	O2 (%)	Balance (%)
Sector 1 Gas Probes							
2GP14526	2GP14526	10/2/2017 9:20		0	0.2	23.3	76.5
2GP14526	2GP14526	10/2/2017 9:20	ADJ	0	0.2	23.3	76.5
2GP15528	2GP15528	1/2/2017 15:12		0	3.1	22.1	74.8
2GP15528	2GP15528	1/2/2017 15:12	ADJ	0	3.1	22.1	74.8
2GP15528	2GP15528	4/7/2017 14:27		0	2.9	19.3	77.8
2GP15528	2GP15528	4/7/2017 14:27	ADJ	0	2.9	19.3	77.8
2GP15528	2GP15528	8/7/2017 10:31		0	4.5	18.2	77.3
2GP15528	2GP15528	8/7/2017 10:31	ADJ	0	4.5	18.2	77.3
2GP15528	2GP15528	10/2/2017 13:55		0	6.1	16.8	77.1
2GP15528	2GP15528	10/2/2017 13:55	ADJ	0	6.1	16.8	77.1

Appendix C

Leachate Monitoring Data

Appendix C
Tables

Table C-1: Annual Leachate Head Well Monitoring Summary – Sector 1
Table C-2: Monthly Leachate Head Well Monitoring Summary – Sector 2
Table C-3: Leachate Volumes

Table C-1

Advanced Disposal Services
Seven Mile Creek Landfill
Leachate Headwell Monitoring Summary - Sector 1
April 17, 2017

Well ID	DNR#	Top of Well Elevation (ft. MSL)	Depth to Liquid (ft.)	Liquid Elevation (ft.MSL)	Total Depth (ft.)	Feet of Liquid
LHW-1A	033	929.56	38.05	891.51	39.80	1.8
LHW-1B	038	926.93	37.12	889.81	38.62	1.5
LHW-2A	036	930.34	41.83	888.51	43.75	1.9
LHW-2B	037	928.21	33.68	894.53	40.14	6.5
LHW-3A	035	929.01	36.23	892.78	36.23	0.0
LHW-3BR	039	930.22	19.25	910.98	29.00	9.8
LWH-4A	040	938.02	45.82	892.20	55.21	9.4
LHW-4B	042	934.77	45.41	889.36	48.97	3.6
LHW-5A	044	925.92	33.08	892.84	45.83	12.8
LHW-5B	046	924.05	36.25	887.80	38.16	1.9
LHW-6A	048	915.77	19.54	896.23	32.78	13.2
LHW-6B	050	917.20	25.38	891.82	29.72	4.3

Notes:
Sector 1 is monitored Annually in April.

Table C-2

Advanced Disposal Services
Seven Mile Creek Landfill
Leachate Headwell Monitoring Summary - Sector 2

Well ID	DNR#	Recorded Elevation of Vertical Well Bottom (ft. MSL)	Vertical Well Top of Casing Elevation (ft. MSL)	Vertical Well Depth (ft.)	Liner Elevation At Vertical Well	Recorded Elevation of As-built Head Well Inlet (ft. MSL)	Recorded Top of Horizontal Well Casing (ft. MSL)	Recorded Length to Head Well Inlet Elevation (ft.)	Recorded As-built Top of Casing at Toe of Side Slope (ft. MSL)	Recorded Well Length Measured Down the Side Slope (ft.)	Horizontal Well Side Slope (X:1)	Transducer Present (Y/N)	1/19/2017		2/16/2017		3/16/2017		4/11/2017		5/25/2017		6/22/2017		7/20/2017		8/29/2017		9/19/2017		10/6/2017		11/16/2017		12/14/2017	
													Depth to Liquid (ft.)	Feet of Head on Liner	Depth to Liquid (ft.)	Feet of Head on Liner	Depth to Liquid (ft.)	Feet of Head on Liner	Depth to Liquid (ft.)	Feet of Head on Liner	Depth to Liquid (ft.)	Feet of Head on Liner	Depth to Liquid (ft.)	Feet of Head on Liner	Depth to Liquid (ft.)	Feet of Head on Liner	Depth to Liquid (ft.)	Feet of Head on Liner	Depth to Liquid (ft.)	Feet of Head on Liner	Depth to Liquid (ft.)	Feet of Head on Liner	Depth to Liquid (ft.)	Feet of Head on Liner	Depth to Liquid (ft.)	Feet of Head on Liner
VLHW-1A	440	902.37	957.59	55.22	899.75	--	--	--	--	--	--	N	49.70	8.14	49.61	8.23	49.64	8.20	51.51	6.33	51.42	6.42	51.31	6.53	51.30	6.54	51.27	6.57	51.57	6.27	51.57	6.27	51.72	6.12	51.84	6.00
VLHW-2A	444	902.01	957.07	55.06	899.76	--	--	--	--	--	--	N	51.12	6.19	51.04	6.27	51.12	6.19	Obstruction [3]	NA	Obstruction [3]	NA	Obstruction [3]	NA	Obstruction [3]	NA	Obstruction [3]	NA	Obstruction [3]	NA	Obstruction [3]	NA	Obstruction [3]	NA	Obstruction [3]	NA
VLHW-3A	448	902.10	959.43	57.33	900.75	--	--	--	--	--	--	N	54.26	4.42	54.20	4.48	54.22	4.46	DRY	0.00	DRY	0.00	DRY	0.00	DRY	0.00	DRY	0.00	DRY	0.00	-- DRY	0.00	DRY	0.00	DRY	0.00

Well ID	DNR#	Recorded Elevation of Vertical Well Bottom (ft. MSL)	Vertical Well Top of Casing Elevation (ft. MSL)	Vertical Well Depth (ft.)	Liner Elevation At Vertical Well	Recorded Elevation of As-built Head Well Inlet (ft. MSL)	Recorded Top of Horizontal Well Casing (ft. MSL)	Recorded Length to Head Well Inlet Elevation (ft.)	Recorded As-built Top of Casing at Toe of Side Slope (ft. MSL)	Recorded Well Length Measured Down the Side Slope (ft.)	Horizontal Well Side Slope (X:1)	Bubbler Present [1] (Y/N)	1/19/2017		2/16/2017		3/16/2017		4/11/2017		5/25/2017		6/22/2017		7/20/2017		8/29/2017		9/19/2017		10/5/2017 & 10/16/2017		11/16/2017		12/14/2017	
													Bubbler Reading (in.)	Feet of Head on Liner [1]	Bubbler Reading (in.)	Feet of Head on Liner [1]	Bubbler Reading (in.)	Feet of Head on Liner [1]	Bubbler Reading (in.)	Feet of Head on Liner [1]	Bubbler Reading (in.)	Feet of Head on Liner [1]	Bubbler Reading (in.)	Feet of Head on Liner [1]	Bubbler Reading (in.)	Feet of Head on Liner [1]	Bubbler Reading (in.)	Feet of Head on Liner [1]	Bubbler Reading (in.)	Feet of Head on Liner [1]	Bubbler Reading (in.)	Feet of Head on Liner [1]	Bubbler Reading (in.)	Feet of Head on Liner [1]	Bubbler Reading (in.)	Feet of Head on Liner [1]
LHW-4A	450	--	--	--	--	889.65	914.69	79.2	889.65	79.18	3	Y	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00
LHW-4B	452	--	--	--	--	897.53	914.43	53.5	889.75	78.05	3	Y	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00
LHW-5A	454	--	--	--	--	887.33	921.27	139.9	887.34	139.90	4	Y	1.9	0.16	2.4	0.20	1.5	0.13	0.0	0.00	2.7	0.23	1.9	0.16	0.0	0.00	1.8	0.15	2.5	0.21	2.2	0.18	0.0	0.00	0.0	0.00
LWH-5B	456	--	--	--	--	895.88	921.18	104.3	887.64	138.29	4	Y	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	1.7	0.14
LHW-6A	458	--	--	--	--	884.26	921.44	153.3	884.29	153.17	4	Y	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00
LHW-6B	460	--	--	--	--	893.07	921.77	118.3	884.30	154.49	4	Y	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00
LHW-7A	462	--	--	--	--	882.14	923.29	169.7	882.17	169.54	4	Y	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00
LHW-7B	464	--	--	--	--	888.59	923.68	144.7	883.80	164.43	4	Y	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00
LHW-8	466	--	--	--	--	901.10	920.82	62.4	901.10	62.36	3	Y	0.0	0.00	0.0	0.00	1.1	0.09	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00
LHW-9	468	--	--	--	--	906.67	925.25	58.8	906.70	58.66	3	Y	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00
HW-10A	470	--	--	--	--	911.76	928.94	54.4	911.89	53.92	3	Y	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00
HW-10B	472	--	--	--	--	916.52	931.10	46.2	914.53	52.40	3	Y	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00
LHW-11	474	--	--	--	--	892.50	924.44	101.1	892.70	100.37	3	Y	3.4	0.28	1.0	0.08	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.6	0.05	0.0	0.00
LHW-12	476	--	--	--	--	895.61	932.89	117.9	895.65	117.76	3	Y	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.4	0.03	0.4	0.03	0.4	0.03	0.0	0.00	0.0	0.00
LHW-13	478	--	--	--	--	896.80	930.51	116.6	898.73	102.21	3	Y[2]	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.0	0.00	0.0	0.00	0.0	0.00

Well ID	DNR#	Recorded Elevation of Vertical Well Bottom (ft. MSL)	Vertical Well Top of Casing Elevation (ft. MSL)	Vertical Well Depth (ft.)	Liner Elevation At Vertical Well	Recorded Elevation of As-built Head Well Inlet (ft. MSL)	Recorded Top of Horizontal Well Casing (ft. MSL)	Recorded Length to Head Well Inlet Elevation (ft.)	Recorded As-built Top of Casing at Toe of Side Slope (ft. MSL)	Recorded Well Length Measured Down the Side Slope (ft.)	Horizontal Well Side Slope (X:1)	Bubbler Present [2] (Y/N)	1/19/2017		2/16/2017		3/16/2017		4/11/2017		5/25/2017		6/22/2017		7/20/2017		8/29/2017		9/19/2017		--		--		--	
													Depth to Liquid (ft.)	Feet of Head on Liner	Depth to Liquid (ft.)	Feet of Head on Liner	Depth to Liquid (ft.)	Feet of Head on Liner	Depth to Liquid (ft.)	Feet of Head on Liner	Depth to Liquid (ft.)	Feet of Head on Liner	Depth to Liquid (ft.)	Feet of Head on Liner	Depth to Liquid (ft.)	Feet of Head on Liner	Depth to Liquid (ft.)	Feet of Head on Liner	Depth to Liquid (ft.)	Feet of Head on Liner	Depth to Liquid (ft.)	Feet of Head on Liner	Depth to Liquid (ft.)	Feet of Head on Liner	Depth to Liquid (ft.)	Feet of Head on Liner
LHW-13	478	--	--	--	--	896.80	930.51	116.6	898.73	102.21	3	N	Dry to 102.5'	NA	Dry to 102.5'	NA	Dry to 102.5'	NA	Dry to 102.5'	NA	Dry to 115'	NA	114	0.07	Dry to 115'	NA	Dry to 115'	NA	Dry to 116.6'	0.00	--	--	--	--	--	--

Notes:

-All construction information and leachate head calculations were provided by Cornerstone Environmental Group personnel.

-Depth to liquid measurements obtained from 2017 monthly Short Elliott Hendrickson Inc. field forms.

1. Bubbler zero point set at the leachate head well inlet.

2. Leachate head well LHW-13 was measured with a popper until a bubbler was installed in October 2017. It was determined in September 2017 that this side-slope head well should be measured to a length of 116.6 ft.; as a result, prior monthly monitoring during 2017 was inadvertently performed incorrectly. The January through April 2017 monthly popper measurements noted that the head well was dry to a length of 102.5 ft., rather than the constructed length of 116.6 ft. The popper measurements were extended to 115.0 ft. during the May through August 2017 monthly monitoring events, which were just short of the full length. The popper reading in June indicated less than one foot of liquid in the headwell. No liquid was detected in the remaining months. Monitoring to the corrected length of 116.6 ft. began at LHW-13 in September 2017.

3. An obstruction was encountered at approximately 14.0 ft. from the top of the head well at vertical head well VLHW-2A beginning with the April 2017 monitoring event. Liquid has historically been reported at VLHW-2A at levels greater than one foot at the base of this 55 ft. head well likely due in part to perched liquid in the waste mass. Liquid detected above the obstruction does not represent the actual liquid level in the head well and is not included in the summary table below.

Prepared by: BF Date: 02/02/18
Checked by: TI Date: 02/12/18

Table C-3

Advanced Disposal Services
Seven Mile Creek Landfill
Leachate Volumes

Mon-Yr	Leachate Volume Pumped (gal.)		Leachate Volume Recirculated (gal.)
	Sector 1 (lic. #02821)	Sector 2 (lic.# 03097)	Sector 2 (lic.# 03097)
Jan-17	258,341	814,472	0
Feb-17	254,269	773,633	0
Mar-17	362,580	915,463	0
Apr-17	403,228	787,209	0
May-17	422,341	915,918	0
Jun-17	634,954	667,211	0
Jul-17	446,892	609,237	0
Aug-17	396,600	578,806	0
Sep-17	305,921	446,921	0
Oct-17	311,950	679,391	0
Nov-17	309,542	556,362	0
Dec-17	231,309	519,213	0
2017 Total:	**4,337,926**	**8,263,837**	**0**

Attachment C-1

Leachate Analytical Data Summaries – Sector 1 and Sector 2

Environmental Sampling Corporation
ADVANCED DISPOSAL SERVICES SEVEN MILE CREEK LANDFILL

Sector 1 Leachate Analytical Data Summary

Leachate Tank 1	PARAMETERS															
	Inorganic/Metals															
	Alkalinity	Ammonia Nitrogen	TKN	Nitrate Nitrogen	Iron	Sodium	Cadmium	Lead	Manganese	Mercury	Chloride	Hardness	BOD	Chromium	COD	Copper
DATE	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	ug/L	ug/L	ug/L	ug/L	mg/L	mg/L	mg/L	ug/L	mg/L	ug/L
01/31/13	4,710	499	--	--	--	--	<0.39	3.6 J	--	<0.10	--	1,270	<75.0	27.9	968	4.8 J
02/26/13	--	511	--	--	--	--	11.4	361	--	0.62	--	--	102	147.0	1,390	433
04/23/13	2,680	293	321	NA	10.5	648	<0.48	<2.7	443	<0.10	737	858	37.4	16.7	575	4.8 J
07/23/13	3,430	397	--	--	--	--	6.7	144	--	0.46	--	1,570	77.2	86.2	1,320	174
08/27/13	--	315	--	--	--	--	0.94 J	7.5 J	--	<0.10	--	--	46.9	23.4	788	14.1
09/24/13	--	444	--	--	--	--	0.62 J	3.8 J	--	<0.10	--	--	56.9	25.6	931	5.2 J
10/22/13	4,420	560	485	--	62.1	1,120	1.1 J	35.3	851	<0.10	1,190	1,370	88.7	48.6	1,030	50.9
12/03/13	--	461	--	--	--	--	1.6 J	52.7	--	0.11 J	--	--	59.2	42.3	848	70.7
12/19/13	--	492	--	--	--	--	<0.48	<2.7	--	<0.10	--	--	62.8	26.1	1,250	4.6 J
01/22/14	4,370	488	--	--	--	--	1.7 J	41.0	--	0.11 J	--	1,370	76.2	44.9	1,080	43.8
02/25/14	--	7.7	--	--	--	--	<0.48	<2.7	--	<0.10	--	--	65.3	29.0	911	4.0 J
03/18/14	--	<15.0	--	--	--	--	<0.48	<2.7	--	<0.10	--	--	65.6	28.4	736	4.0 J
04/08/14	3,220	381	370	--	10.7	823	<1.0	<1.6	407	<0.10	878	977	54.2	20.0	662	5.1 J
05/29/14	--	279	--	--	--	--	<1.0	2.0 J	--	<0.10	--	--	44.4	15.4	585	5.0 J
06/24/14	--	448	--	--	--	--	1.2 J	77.4	--	<0.10	--	--	<200	60.7	904	83.2
07/24/14	3,570	406	--	--	--	--	2.7 J	125	--	0.19 J	--	2,330	167	73.6	1,200	160
08/21/14	--	401	--	--	--	--	<1.0	20.0	--	<0.10	--	--	112	37.9	798	26
09/25/14	--	222	--	--	--	--	<1.0	<1.6	--	<0.10	--	--	66.4	19.4	584	<3.4
10/14/14	--	274	--	--	--	--	<1.0	3.3 J	--	<0.10	--	--	48.6	16.6	651	<3.4
11/25/14	--	320	--	<3.0	--	--	<1.0	2.8 J	--	<0.10	--	--	59.8	24.9	716	5.2 J
12/18/14	--	234	--	--	--	--	<1.0	5.0 J	--	<0.10	--	--	61.8	25.2	735	7.2 J
01/27/15	--	381	--	--	--	--	<1.0	5.1 J	--	<0.10	--	--	122	34.0	845	<3.4
02/24/15	--	414	--	--	--	--	<1.0	2.1 J	--	<0.10	--	--	61.2	29.6	867	<3.4
03/24/15	--	268	--	--	--	--	<1.0	35.9	--	<0.10	--	--	81.6	77.0	982	36.2
04/21/15	3,430	315	383	<3.0	17.0	810	<1.0	1.9 J	580	<0.10	825	1,010	57.6	22.1	663	<3.4
05/19/15	--	347	--	--	--	--	<1.0	<1.6	--	<0.10	--	--	65.4	28.3	749	<3.4
06/24/15	--	297	--	--	--	--	<1.0	6.9 J	--	<0.10	--	--	95.0	28.9	824	5.6 J
07/23/15	--	304	--	--	--	--	<1.0	2.7 J	--	<0.10	--	--	57.0	23.5	699	<3.4
08/31/15	--	281	--	--	--	--	<1.0	2.4 J	--	<0.10	--	--	40.4	14.7	584	<3.4
09/22/15	--	239	--	--	--	--	<1.0	4.9 J	--	<0.10	--	--	38.6	12.6	515	<3.4
10/13/15	--	382	--	--	--	--	<1.0	4.3 J	--	<0.10	--	--	77.6	30.2	778	8.4 J
11/12/15	--	310	--	--	--	--	<1.0	<1.6	--	<0.022	--	--	77.6	20.9	630	4.8 J
12/08/15	--	379	--	--	--	--	<1.0	22.8	--	<0.10	--	--	124	45.3	944	27.7
01/21/16	--	353	--	--	--	--	<1.0	11.4 J	--	<0.10	--	--	88.2	35.8	852	16.4
02/23/16	--	371	--	--	--	--	<1.0	20.0	--	<0.10	--	--	101	50.4	931	33.2
03/16/16	--	267	--	--	--	--	<1.0	34.6	--	<0.10	--	--	371	58.1	972	46.4
04/12/16	3,320	352	374	<3.0 D3	138	605	<1.0	10.3 J	1,040	<0.18	781	1,120	136	38.5	815	20.1
05/19/16	--	378	--	--	--	--	<5.0 D3	47.1 J D3	--	<0.18	--	--	465	97.8	1,300	72.6
06/21/16	--	354	--	--	--	--	<5.0 D3	36.0 J D3	--	<0.13	--	--	189	76.3	1,190	94.8
07/19/16	3,880	373	--	--	--	--	<10 D3	43.9 J D3	--	<0.13	--	1,440	182	81.2	1,310	86.4
08/16/16	--	333	--	--	--	--	<5.0 D3	40.6 J D3	--	<0.13	--	--	259	75.3	1,660	78.2
09/22/16	--	113	--	--	--	--	<1.0	4.2 J	--	<0.13	--	--	58.1	11.0	341	6.1 J
10/04/16	3,360	350	--	--	--	--	<1.3	34.4	--	<0.13	--	1,210	90	63.4	1,010	52.3
11/15/16	--	280	--	--	--	--	<1.3	46.4	--	<0.13	--	--	101	79.8	947	64.3
12/08/16	--	349	--	--	--	--	<2.7 D3	53.0	--	<0.13	--	--	100	109	1,110	94.5
01/19/17	--	320	--	--	--	--	<6.6 D3	136	--	0.16 J	--	--	116	217	2,260	161
02/16/17	--	354	--	--	--	--	<3.3 D3	45.8	--	<0.13	--	--	<200	80.2	1,060	57.3
03/16/17	--	303	--	--	--	--	<1.3	6.9 J	--	<0.13	--	--	73.8	21.7	621	<6.3
04/11/17	2,730	200	287	<1.5 D3	31.8	603	<1.3	8.0 J	868	<0.13	657	874	47.4	16.6	563	7.5 J
05/25/17	--	187	--	--	--	--	<1.3	27.8	--	<0.13	--	--	105	52.4	673	46.1
06/22/17	--	334	--	--	--	--	<1.3	<4.3	--	<0.13	--	--	62.1	26.3	684	<6.3
07/20/17	--	51.2	--	--	--	--	<1.3	<4.3	--	<0.25 D3	--	--	80.8	22.9	692	<6.3
08/29/17	--	336	--	--	--	--	<1.3	5.2 J	--	<0.25 D3	--	1,070	139	27.6	750	<6.3
09/19/17	--	411	--	--	--	--	2.1 J	35.7	--	<0.50 D3	--	--	114	54.6	842	44.2
10/03/17	--	426	--	--	--	--	<1.3	15.4	--	<0.50 D3	--	--	134	38.4	857	21.5
11/16/17	--	415	--	--	--	--	<6.6 D3	87.0	--	<0.50 D3	--	--	615	90.0	1,640	104
12/14/17	--	411	--	--	--	--	1.5 J	19.2	--	<0.50 D3	--	--	177	38.6	821	29.1

Table notes are provided on the last page of the summary.

Environmental Sampling Corporation
ADVANCED DISPOSAL SERVICES SEVEN MILE CREEK LANDFILL

Sector 1 Leachate Analytical Data Summary

Leachate Tank 1	PARAMETERS									
	Inorganic/Metals						Physical Parameters			
	Nickel	Phosphorus *	Silver	Zinc	Cyanide	Oil & Grease	pH (lab) *	pH (field)	Conductivity	Temp.
DATE	ug/L	mg/L	ug/L	ug/L	mg/L	mg/L	s.u.	s.u.	umhos @ 25C	deg. C
01/31/13	118	1.8	<2.3	41.0	<0.026	3.4 J	7.8	7.48	16,450	3.9
02/26/13	266	27.6	<3.4	6,630	0.043 J	27.2	8.0	7.74	>3,999	16.2
04/23/13	73.4	0.79	<1.7	56.9	<0.023	2.2 J	7.8	7.76	7,390	8.9
07/23/13	161	118	2.1 J	3,880	<0.023	69.7	7.8	7.67	9,450	16.0
08/27/13	93.1	2.4	<1.7	536	0.026 J	3.2 J	7.3	7.38	10,250	20.1
09/24/13	103	2.5	<1.7	67.8	0.053 J	3.5 J	7.4	7.10	10,360	15.6
10/22/13	143	7.2	<3.4	661	<0.023	27.1	7.9	7.68	10,270	10.3
12/03/13	127	5.9	<1.7	831	<0.023	10.0	7.5	7.54	9,620	9.8
12/19/13	122	2.3	<1.7	39.1 J	<0.023	4.0 J	7.3	8.19	>20,000	7.6
01/22/14	142	6.6	<1.7	735	<0.023	11.9	7.4	7.78	16,450	3.9
02/25/14	129	2.4	<1.7	36.8 J	0.19	5.0 J	7.4	7.42	16,450	4.2
03/18/14	130	1.7	<1.7	44.0	0.024 J	4.0 J	7.7	7.92	10,970	12.7
04/08/14	92.5	1.5	<3.2	56.2	<0.060	3.3 J	7.4	7.62	6,210	16.9
05/29/14	66.8	1.5	<3.2	23.2 J	<0.030	2.3 J	7.2	7.29	7,980	17.1
06/24/14	132	6.8	<3.2	1,210	<0.060	18.4	7.7	7.95	9,600	17.6
07/24/14	134	22.9	<3.2	2,150	<0.060	69.3	7.7	7.81	9,410	18.2
08/21/14	112	4.9	<3.2	716	<0.030	14.7	7.6	7.07	9,980	15.7
09/25/14	76.1	1.7	<3.2	20.9 J	0.023	10.4	7.4	7.09	9,740	17.1
10/14/14	69.2	--	<3.2	29.2 J	<0.060	3.4 J	--	6.92	7,490	14.3
11/25/14	93.6	--	<3.2	41.7	<0.12	2.0 J	--	7.14	9,620	16.2
12/18/14	91.3	--	<3.2	65.1	<0.020	2.4 J	--	8.38	8,640	9.4
01/27/15	114	--	<3.2	48.2	<0.060	4.9	--	7.04	9,060	12.2
02/24/15	106	--	<3.2	55.0	<0.060	3.2 J	--	7.16	9,140	13.1
03/24/15	112	--	<3.2	568	<0.060	7.5	--	7.19	9,040	11.6
04/21/15	85.2	--	<3.2	36.4 J	<0.020	1.3 J	--	7.31	8,720	16.1
05/19/15	98.2	--	<3.2	23.3 J	<0.060	2.9 J	--	7.14	9,010	12.9
06/24/15	96.6	--	<3.2	78.1	<0.020	13.8	--	7.17	9,070	13.2
07/23/15	81.8	--	<3.2	31.4 J	<0.030	1.8 J	--	7.14	8,040	20.1
08/31/15	61.0	--	<3.2	19.2 J	<0.020	1.8 J	--	7.11	8,010	18.7
09/22/15	53.9	--	<3.2	18.9 J	<0.060	0.95 J	--	7.04	8,000	18.1
10/13/15	93.2	--	<3.2	114	<0.060	2.9 J	--	6.94	7,570	14.6
11/12/15	77.5	--	5.7 J	38.3 J	<0.020	<0.93	--	6.95	7,420	13.7
12/08/15	101	--	<3.2	699	<0.060	5.6	--	6.99	7,310	13.0
01/21/16	82.4	--	<3.2	178	<0.041 D3	2.3 J B	--	6.98	7,180	9.6
02/23/16	96.4	--	<3.2	408	<0.041 D3	1.6 J B	--	7.02	7,190	10.9
03/16/16	76.4	--	<3.2	519	<0.041 D3	1.1 J	--	7.07	6,740	11.4
04/12/16	80.9	--	<3.2	158	<0.014 D3	4.5	--	7.08	16,380	14.6
05/19/16	95.4	--	4.8 J	813	<0.041 D3	<1.1	--	7.54	9,870	15.4
06/21/16	117	--	4.1 J	3,800	<0.041 D3	1.6 J	--	7.40	10,090	17.9
07/19/16	112	--	6.2 J	2,070	<0.041 D3	6.4	--	7.52	9,790	12.2
08/16/16	108	--	5.6 J	2,350	<0.041 D3	2.6 J	--	7.41	9,430	14.8
09/22/16	36.6	--	<3.2	32.5 J	<0.0068	16.0	--	7.20	9,020	18.4
10/04/16	88.5	--	<3.3	685	<0.041 D3	33.6 M1	--	7.24	9,170	18.9
11/15/16	92	--	<3.3	557	<0.041 D3	12.5	--	7.85	7,880	14.3
12/08/16	113	--	<3.3	954	<0.041 D3	7.3	--	7.89	8,280	11.9
01/19/17	151	--	6.2 J	3,030	<0.041 D3	11.1	--	7.87	7,920	13.4
02/16/17	108	--	<8.3 D3	728	<0.020 D3	5.0	--	7.84	7,510	13.7
03/16/17	66.5	--	<3.3	17.5 J	<0.041 D3	1.8 J B	--	7.80	7,220	12.3
04/11/17	55.8	--	<3.3	37.3 J	<0.020 D3	2.4 J	--	7.67	7,230	12.6
05/25/17	63.0	--	<3.3	421	<0.014 D3	3.8	--	7.67	7,100	17.6
06/22/17	80.0	--	<3.3	78.6	<0.014 D3	1.9 J	--	7.09	7,010	21.2
07/20/17	80.5	--	<3.3	46.9	<0.014 D3, M1	6.0	--	7.34	16,890	22.1
08/29/17	84.6	--	<3.3	62.6	<0.041 D3	2.8 J	--	7.39	15,120	18.1
09/19/17	100	--	<3.3	944	<0.020 D3	1.7 J	--	7.39	10,360	17.5
10/03/17	94.0	--	<3.3	392	<0.014 D3	3.4 J	--	7.41	10,340	17.1
11/16/17	143	--	<16.6 D3	3,330	<0.041 D3, M1	22.1	--	7.39	10,380	16.0
12/14/17	92.2	--	<3.3	362	<0.014 D3	13.9	--	7.22	10,100	13.8

Table notes are provided on the last page of the summary.

Environmental Sampling Corporation
ADVANCED DISPOSAL SERVICES SEVEN MILE CREEK LANDFILL

Sector 1 Leachate Analytical Data Summary

Leachate Tank 1	PARAMETERS												
	Volatile Organic Compounds (VOCs)									PCBs	SVOCs		
	1,4-Dichloro-benzene	Acetone	Chloro-benzene	Ethyl-benzene	MEK (2-Butanone)	Napthalene	Tetra-hydro-furan	m&p-Xylene	o-Xylene	Total PCBs	Diethyl phthalate	Naphthalene	N-Nitroso-diphenylamine
DATE	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
01/31/13	<9.5	<49.9	<4.1	<5.4	<43.0	<8.9	447	<18.0	<8.3	--	--	--	--
02/26/13	--	--	--	--	--	--	--	--	--	--	--	--	--
04/23/13	<9.5	66.0 J	<4.1	<5.4	<43.0	<8.9	287	<18.0	<8.3	<0.30	<13.5	<7.0	<24.5
07/23/13	<4.3	109 J	<3.6	6.5 J	27.7 J	<25.0	415	10.4 J	5.9 J	--	--	--	--
08/27/13	--	--	--	--	--	--	--	--	--	--	--	--	--
09/24/13	--	--	--	--	--	--	--	--	--	--	--	--	--
10/22/13	2.3 J	52.1	1.2 J	2.0 J	14.2 J	7.6 J	376	8.7	3.3	<2.5	<13.5	<7.0	<24.5
12/03/13	--	--	--	--	--	--	--	--	--	--	--	--	--
12/19/13	--	--	--	--	--	--	--	--	--	--	--	--	--
01/22/14	5.6 J	73.4 J	3.6 J	11.7	69.6 J	<25.0	519	21.0	9.0 J	--	--	--	--
02/25/14	--	--	--	--	--	--	--	--	--	--	--	--	--
03/18/14	--	--	--	--	--	--	--	--	--	--	--	--	--
04/08/14	<2.5	63.3 J	<2.5	5.6	48.1 J	<12.5	385	13.1	6.7	<0.24	5.5 J	<15.0	<21.8
05/29/14	--	--	--	--	--	--	--	--	--	--	--	--	--
06/24/14	--	--	--	--	--	--	--	--	--	--	--	--	--
07/24/14	<5.0	59.1 J	<5.0	<5.0	<29.8	<25.0	315	<10.0	<5.0	--	--	--	--
08/21/14	--	--	--	--	--	--	--	--	--	--	--	--	--
09/25/14	--	--	--	--	--	--	--	--	--	--	--	--	--
10/14/14	--	--	--	--	--	--	--	--	--	--	--	--	--
11/25/14	--	--	--	--	--	--	--	--	--	--	--	--	--
12/18/14	--	--	--	--	--	--	--	--	--	--	--	--	--
01/27/15	--	--	--	--	--	--	--	--	--	--	--	--	--
02/24/15	--	--	--	--	--	--	--	--	--	--	--	--	--
03/24/15	--	--	--	--	--	--	--	--	--	--	--	--	--
04/21/15	<5.0	40.2 J	<5.0	8.6 J	<29.8	<25.0	433	16.8 J	<5.0	--	1.6 J	4.8 J	12.4 J
05/19/15	--	--	--	--	--	--	--	--	--	--	--	--	--
06/24/15	--	--	--	--	--	--	--	--	--	--	--	--	--
07/23/15	--	--	--	--	--	--	--	--	--	--	--	--	--
08/31/15	--	--	--	--	--	--	--	--	--	--	--	--	--
09/22/15	--	--	--	--	--	--	--	--	--	--	--	--	--
10/13/15	--	--	--	--	--	--	--	--	--	--	--	--	--
11/12/15	--	--	--	--	--	--	--	--	--	--	--	--	--
12/08/15	--	--	--	--	--	--	--	--	--	--	--	--	--
01/21/16	--	--	--	--	--	--	--	--	--	--	--	--	--
02/23/16	--	--	--	--	--	--	--	--	--	--	--	--	--
03/16/16	--	--	--	--	--	--	--	--	--	--	--	--	--
04/12/16	<5.0	43.6 J	<5.0	8.4 J	<29.8	<25.0	303	16.2 J	6.9 J	--	<10.8	<19.0	<9.7
05/19/16	--	--	--	--	--	--	--	--	--	--	--	--	--
06/21/16	--	--	--	--	--	--	--	--	--	--	--	--	--
07/19/16	--	--	--	--	--	--	--	--	--	--	--	--	--
08/16/16	--	--	--	--	--	--	--	--	--	--	--	--	--
09/22/16	--	--	--	--	--	--	--	--	--	--	--	--	--
10/04/16	--	--	--	--	--	--	--	--	--	--	--	--	--
11/15/16	--	--	--	--	--	--	--	--	--	--	--	--	--
12/08/16	--	--	--	--	--	--	--	--	--	--	--	--	--
01/19/17	--	--	--	--	--	--	--	--	--	--	--	--	--
02/16/17	--	--	--	--	--	--	--	--	--	--	--	--	--
03/16/17	--	--	--	--	--	--	--	--	--	--	--	--	--
04/11/17	<5.0	<29.5	<5.0	11.9	<24.3	<25.0	394	20.3	8.6 J	--	4.0 J	7.5 J	16.5 J
05/25/17	--	--	--	--	--	--	--	--	--	--	--	--	--
06/22/17	--	--	--	--	--	--	--	--	--	--	--	--	--
07/20/17	--	--	--	--	--	--	--	--	--	--	--	--	--
08/29/17	--	--	--	--	--	--	--	--	--	--	--	--	--
09/19/17	--	--	--	--	--	--	--	--	--	--	--	--	--
10/03/17	--	--	--	--	--	--	--	--	--	--	--	--	--
11/16/17	--	--	--	--	--	--	--	--	--	--	--	--	--
12/14/17	--	--	--	--	--	--	--	--	--	--	--	--	--

Table notes are provided on the last page of the summary.

Environmental Sampling Corporation
ADVANCED DISPOSAL SERVICES SEVEN MILE CREEK LANDFILL

Sector 1 Leachate Analytical Data Summary

Leachate Tank 1	PARAMETERS									
	Volatile Fatty Acids (VFAs)									
	Lactic Acid	Acetic Acid	Propionic Acid	Formic Acid	Butyric Acid	Pyruvic Acid	i-Pentanoic Acid	Pentanoic Acid	i-Hexanoic Acid	Hexanoic Acid
DATE	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
01/31/13	0.79 J	0.44 J	0.30 J	<0.10	0.36 J	<0.040	<0.12	<0.10	<0.13	<0.39
02/26/13	--	--	--	--	--	--	--	--	--	--
04/23/13	--	--	--	--	--	--	--	--	--	--
07/23/13	<0.13	5.8	1.4	0.68 J	1.2	0.83 J	0.52 J	0.30 J	<0.29	<2.2
08/27/13	--	--	--	--	--	--	--	--	--	--
09/24/13	--	--	--	--	--	--	--	--	--	--
10/22/13	6.8 J	2.6 J	2.0 J	6.2 J	4.2 J	<1.4	<0.90	<1.1	<2.9	<22
12/03/13	--	--	--	--	--	--	--	--	--	--
12/19/13	--	--	--	--	--	--	--	--	--	--
01/22/14	5.6 J	6.1 J	4.4 J	6.3 J	3.9 J	5.5 J	6.8 J	2.7 J	<2.9	<22
02/25/14	--	--	--	--	--	--	--	--	--	--
03/18/14	--	--	--	--	--	--	--	--	--	--
04/08/14	--	--	--	--	--	--	--	--	--	--
05/29/14	--	--	--	--	--	--	--	--	--	--
06/24/14	--	--	--	--	--	--	--	--	--	--
07/24/14	2.7 J	3.9 J	3.9 J	3.7 J	<0.70	<0.90	<0.80	<1.4	<10	<12
08/21/14	--	--	--	--	--	--	--	--	--	--
09/25/14	--	--	--	--	--	--	--	--	--	--
10/14/14	--	--	--	--	--	--	--	--	--	--
11/25/14	--	--	--	--	--	--	--	--	--	--
12/18/14	--	--	--	--	--	--	--	--	--	--
01/27/15	--	--	--	--	--	--	--	--	--	--
02/24/15	--	--	--	--	--	--	--	--	--	--
03/24/15	--	--	--	--	--	--	--	--	--	--
04/21/15	--	--	--	--	--	--	--	--	--	--
05/19/15	--	--	--	--	--	--	--	--	--	--
06/24/15	--	--	--	--	--	--	--	--	--	--
07/23/15	--	--	--	--	--	--	--	--	--	--
08/31/15	--	--	--	--	--	--	--	--	--	--
09/22/15	--	--	--	--	--	--	--	--	--	--
10/13/15	--	--	--	--	--	--	--	--	--	--
11/12/15	--	--	--	--	--	--	--	--	--	--
12/08/15	--	--	--	--	--	--	--	--	--	--
01/21/16	--	--	--	--	--	--	--	--	--	--
02/23/16	--	--	--	--	--	--	--	--	--	--
03/16/16	--	--	--	--	--	--	--	--	--	--
04/12/16	--	--	--	--	--	--	--	--	--	--
05/19/16	--	--	--	--	--	--	--	--	--	--
06/21/16	--	--	--	--	--	--	--	--	--	--
07/19/16	--	--	--	--	--	--	--	--	--	--
08/16/16	--	--	--	--	--	--	--	--	--	--
09/22/16	--	--	--	--	--	--	--	--	--	--
10/04/16	--	--	--	--	--	--	--	--	--	--
11/15/16	--	--	--	--	--	--	--	--	--	--
12/08/16	--	--	--	--	--	--	--	--	--	--
01/19/17	--	--	--	--	--	--	--	--	--	--
02/16/17	--	--	--	--	--	--	--	--	--	--
03/16/17	--	--	--	--	--	--	--	--	--	--
04/11/17	--	--	--	--	--	--	--	--	--	--
05/25/17	--	--	--	--	--	--	--	--	--	--
06/22/17	--	--	--	--	--	--	--	--	--	--
07/20/17	--	--	--	--	--	--	--	--	--	--
08/29/17	--	--	--	--	--	--	--	--	--	--
09/19/17	--	--	--	--	--	--	--	--	--	--
10/03/17	--	--	--	--	--	--	--	--	--	--
11/16/17	--	--	--	--	--	--	--	--	--	--
12/14/17	--	--	--	--	--	--	--	--	--	--

Notes:
mg/L = milligrams per liter
ug/L = micrograms per liter
s.u. = standard units
J = result value was between the laboratory limit of detection and limit of quantitation.
< = The analyte was not detected at a concentration at or above the method detection limit (i.e. < MDL)
-- = Analysis was not required.
NA = Not analzyed. Due to an error in the April 2013 request for analysis, the annual nitrate nitrogen analysis was not conducted on the leachate sample collected from Sector 1. This error was recognized in 2014, after the completion of the 2013 sampling events.
In accordance with the December 18, 2007 Plan Modification Approval, annual monitoring is required at the leachate tank in April. Additional monitoring was conducted in accordance with the wastewater treatment plant monitoring requirements.
B = Analyte was detected in the Trip Blank or associated method blank
* = No longer analyzed due to requirement change in 2014
M1 = Matrix spike recovery/ matrix spike duplicate recovery exceeded QC limits.
D3 = Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.

Environmental Sampling Corporation
ADVANCED DISPOSAL SERVICES SEVEN MILE CREEK LANDFILL

Sector 2 Leachate Analytical Data Summary

Leachate Tank 2	PARAMETERS															
	Inorganic/Metals															
	Alkalinity	Ammonia Nitrogen	TKN	Iron	Sodium	Cadmium	Lead	Manganese	Mercury	Chloride	Sulfate #	Hardness	BOD	TSS ##	Chromium	COD
DATE	mg/L	mg/L	mg/L	mg/L	mg/L	ug/L	ug/L	ug/L	ug/L	mg/L	mg/L	mg/L	mg/L	mg/L	ug/L	mg/L
01/31/13	16,400	1,250	--	--	--	1.3 J	21.1	--	0.15 J	--	--	919	2,810	--	494	7,820
02/26/13	--	1,040	--	--	--	1.7 J	26.3	--	0.12 J	--	--	--	1,710	--	606	6,100
03/18/13	--	1,180	--	--	--	1.4 J	20.9	--	<0.10	--	--	--	1,490	--	489	4,690
04/23/13	2,720	445	530	39.2	1,100	1.0 J	10.0	2,860	0.24	1,110	--	1,040	2,700	--	120	4,420
05/30/13	-	484	--	--	--	1.8 J	24.3	--	0.12 J	--	--	--	2,050	--	244	4,240
06/27/13	--	529	--	--	--	1.2 J	24.9	--	0.23	--	--	--	761	--	177	2,330
07/23/13	7,790	1,150	--	--	--	4.2 J	83.2	--	0.85	--	--	1,600	4,360	--	523	7,960
08/22/13	--	1,530	--	--	--	2.0 J	42.5	--	<0.10	--	--	--	4,220	--	609	8,500
09/24/13	--	1,320	--	--	--	<2.4	25.2 J	--	<0.10	--	--	--	4,560	--	569	4,560
10/22/13	17,000	1,310	1,370	35.7	3,690	2.0 J	36.3	2,710	<0.10	4,190	--	1,440	4,980	--	565	9,290
12/03/13	--	1,380	--	--	--	0.90 J	26.40	--	0.14 J	--	--	--	3,350	--	552	7,370
12/19/13	--	1,180	--	--	--	1.6 J	27.8	--	0.24	--	--	--	2,930	--	584	7,480
01/21/14	9,080	1,550	--	--	--	1.0 J	17.5	--	0.15 J	--	--	941	2,380	--	569	6,800
02/25/14	--	1,390	--	--	--	1.4 J	29.9	--	<0.10	--	--	--	1,790	--	588	5,890
03/18/14	--	572	--	--	--	<0.48	11.4	--	<0.10	--	--	--	1,220	--	221	2,430
04/08/14	3,980	492	626	8.57	1,600	1.6 J	7.1 J	1,830	0.14 J	1,600	--	602	936	--	185	2,560
05/29/14	--	862	--	--	--	1.5 J	23.3	--	<0.10	--	--	--	1,490	--	330	4,070
06/24/14	--	657	--	--	--	<1.0	28.5	--	<0.10	--	--	--	3,540	--	418	5,790
07/24/14	7,690	1,050	--	--	--	<1.0	31.6	--	0.11 J	--	--	944	1,040	--	466	3,700
08/21/14	--	1,350	--	--	--	<1.0	21.0	--	<0.10	--	--	--	1,800	--	469	6,070
09/25/14	--	830	--	--	--	1.5 J	16.7	--	<0.10	--	--	--	3,350	--	421	5,610
10/14/14	6,360	605	1,130	42.5	2,600	<1.0	23.4	3,950	<0.10	2,460	--	1,120	2,680	--	401	5,470
11/25/14	--	604	--	--	--	<1.0	18.2	--	<0.10	--	--	--	2,120	--	329	4,540
12/18/14	--	571	--	--	--	1.7 J	26.5	--	<0.10	--	--	--	1,230	--	380	3,520
01/27/15	--	949	--	--	--	1.1J	21.1	--	<0.10	--	--	--	1,700	--	404	4,410
02/24/15	--	1,120	--	--	--	<1.0	18.6	--	<0.10	--	--	--	1,280	--	525	2,380
03/24/15	--	1,050	--	--	--	1.0 J	19.3	--	<0.10	--	--	--	2,610	--	444	6,440
04/21/15	8,590	943	1,430	32.3	3,120	<1.0	18.3	2,090	<0.10	3,620	--	967	1,380	--	563	4,590
05/19/15	--	864	--	--	--	<1.0	22.6	--	<0.10	--	--	--	2,350	--	470	6,160
06/23/15	--	931	--	--	--	<1.0	21.1	--	<0.10	--	--	--	3,880	--	539	7,260
07/23/15	--	1,030	--	--	--	<1.0	32.6	--	<0.10	--	--	--	1,120	--	714	4,960
08/31/15	--	915	--	--	--	<1.0	23.1	--	<0.10	--	--	--	913	--	519	4,180
09/22/15	--	1,040	--	--	--	<1.0	14.5	--	<0.10	--	--	--	5,290	--	416	8,660
10/13/15	9,000	1,240	1,430	56.8	3,590	<1.0	13.3	3,520	<0.10	3,890	--	1,190	2,310	--	460	5,700
11/12/15	--	945	--	--	--	<1.0	14.5	--	0.023 J	--	--	--	4,000	--	382	6,580
12/08/15	--	963	--	--	--	<1.0	14.4	--	<0.10	--	--	--	4,900	--	484	8,340
01/21/16	--	1,070	--	--	--	<10.0 D3	16.2 J D3	--	0.13 J	--	--	--	5,530	--	472	9,530
02/23/16	--	1,130	--	--	--	<1.0	25.0	--	<0.20 D3	--	--	--	5,690	--	572	9,040
03/16/16	--	811	--	--	--	<1.0	21.0 B	--	<0.10	--	--	--	5,130	--	402	8,100
04/12/16	7,940	1,010	1,240	77.7	2,510	<1.0	18.6	5,330	<0.18	3,030	<200 D3	1,680	3,850	320	436	6,230
05/19/16	--	1,240	--	--	--	<1.0	12.8	--	<0.18	--	--	--	4,140	--	432	7,080
06/21/16	--	1,110	--	--	--	<1.0	10.5 J	--	<0.13	--	--	--	3,670	--	394	6,850
07/19/16	9,380	1,140	--	--	--	<1.0	17.8	--	<0.13	--	--	1,400	2,970	--	538	6,590
08/16/16	--	700	--	--	--	<1.0	23.6	--	<0.13	--	--	--	2,460	--	526	7,260
09/22/16	--	500	--	--	--	<1.0	15.8	--	<0.13	--	--	--	2,290	--	228	4,220
10/04/16	8,640	1,050	1,520	37.0	3,310	<1.3	14.9	2,200	<0.13	4,470	<100 D3	1,140	1,740	122	426	5,150
11/15/16	9,400	1,060	--	--	--	<1.3	12.7 J	--	<0.13	--	--	--	3,260	--	400	6,940
12/08/16	--	862	--	--	--	<1.3	10.6 J	--	<0.13	--	--	--	1,570	--	238	3,950
01/19/17	6,580	866	--	--	--	<1.3	12.5 J	--	<0.13	--	--	1,010	1,690	--	459	4,530
02/16/17	--	979	--	--	--	<3.3 D3	18.3 J D3	--	<0.13	--	--	--	2,210	--	505	5,400
03/16/17	--	971	--	--	--	<6.6 D3	<21.6 D3	--	<0.13	--	--	--	2,330	--	386	5,030
04/11/17	6,990	653	1,110	21.8	2,860	<1.3	17.7	3,260	<0.13	3,420	<100 D3	1,130	2,110	74.0	330	4,480
05/25/17	--	590	--	--	--	<1.3	14.7	--	<0.13	--	--	--	2,080	--	464	4,860
06/22/17	--	783	--	--	--	<1.3	5.8 J	--	<0.50 D3	--	--	--	1,500	--	359	4,250
07/20/17	7,720	779	--	--	--	<1.3	18.4	--	<1.3 D3	--	--	1,070	2,370	--	412	5,810
08/29/17	--	892	--	--	--	<1.3	13.4	--	<1.3 D3	--	--	--	4,640	--	345	7,830
09/19/17	--	1,440	--	--	--	<1.3	11.2 J	--	<1.3 D3	--	--	--	4,210	--	421	7,880
10/03/17	9,780	1,590	1,610	32.9	3,700	<1.3	11.1 J	2,850	<1.3 D3	4,170	<100 D3	1,390	2,900	131	551	6,810
11/16/17	--	1,440	--	--	--	<1.3	15.8	--	<1.3 D3	--	--	--	5,690	--	478	8,840
12/14/17	--	1,360	--	--	--	<1.3	16.5	--	<1.3 D3	--	--	--	5,440	--	500	8,700

Table notes are provided on the last page of the data summary.

Environmental Sampling Corporation
ADVANCED DISPOSAL SERVICES SEVEN MILE CREEK LANDFILL

Sector 2 Leachate Analytical Data Summary

Leachate Tank 2	PARAMETERS										
	Inorganics/Metals							Physical Parameters			
	Copper	Nickel	Phosphorus *	Silver	Zinc	Cyanide	Oil & Grease	pH (lab) *	pH (field)	Conductivity	Temp.
DATE	ug/L	ug/L	mg/L	ug/L	ug/L	mg/L	mg/L	s.u.	s.u.	umhos @ 25C	deg. C
01/31/13	118	410	12.6	<2.3	560	0.055 J	19.0	7.9	8.41	19,870	3.8
02/26/13	81.7	532	10.1	<3.4	760	0.050 J	42.6	8.1	8.14	73,999	8.9
03/18/13	111	443	11.3	<1.7	588	0.075 J	38.5	8.1	7.87	>20,000	18.9
04/23/13	57.8	197	5.7	<1.7	2,000	0.033 J	17.5	7.2	7.09	9,610	10.4
05/30/13	55.9	281	8.1	<1.7	4,000	0.026 J	29.7	7.4	7.86	15,190	23.8
06/27/13	76.8	192	6.3	<1.7	2,200	0.029 J	27.3	7.8	7.87	12,140	29.3
07/23/13	144	543	10.0	<3.4	11,400	<0.023	105	7.9	8.08	>20,000	26.8
08/22/13	167	555	13.1	<3.4	4,050	0.076 J	93.0	7.9	8.20	>20,000	24.7
09/24/13	43.1 J	552	12.3	<8.5	2,760	0.069 J	100	8.0	7.73	>20,000	21.7
10/22/13	86.0	530	12.7	<3.4	2,840	0.042 J	62.7	8.0	7.99	>20,000	15.5
12/03/13	38.1	498	13.6	2.5 J	2,280	0.044 J	50.3	8.0	8.25	>20,000	10.0
12/19/13	51.8	525	14.4	<1.7	2,010	0.042 J	64.6	7.9	7.45	10,310	9.5
01/21/14	45.3	506	14.8	1.8 J	1,550	0.050 J	48.1	8.0	8.11	19,870	3.8
02/25/14	42.3	603	13.8	2.2 J	2,840	0.056 J	40.0	8.1	8.32	19,920	14.1
03/18/14	47.4	243	6.4	<1.7	622	0.042 J	45.5	7.4	7.82	13,830	13.2
04/08/14	69.2	258	5.6	<3.2	2,840	<0.060	24.6	7.6	7.23	9,420	18.4
05/29/14	86.4	496	13.6	<3.2	3,280	<0.060	36.1	7.6	7.14	9,810	NA
06/24/14	97.3	616	11.2	<3.2	5,810	<0.060	46.5	7.7	7.77	18,980	27.4
07/24/14	73.8	571	11.6	<3.2	2,310	<0.060	35.8	8.2	7.84	18,940	27.8
08/21/14	35.7	427	14.1	<3.2	828	0.077 J	43.2	7.8	7.88	19,890	25.0
09/25/14	34.4	376	12.1	<3.2	1,000	<0.12	37.8	7.8	7.82	19,760	25.4
10/14/14	51.9	521	--	<3.2	2,500	<0.060	42.4	--	7.78	18,970	17.7
11/25/14	67.4	497	--	<3.2	1,820	<0.12	16.7	--	7.74	19,710	23.2
12/18/14	94.9	446	--	<3.2	1,810	<0.060	20.5	--	7.49	18,290	17.2
01/27/15	29.5	455	--	<3.2	1,330	<0.060	27.8	--	7.24	14,070	16.8
02/24/15	31.1	531	--	3.5 J	834	<0.060	21.3	--	7.41	14,190	16.9
03/24/15	34.4	671	--	<3.2	1,630	<0.060	27.4	--	7.43	14,230	15.2
04/21/15	39.8	519	--	<3.2	1,180	0.035 J	32.2	--	7.59	14,390	17.4
05/19/15	305	627	--	<3.2	1,410	<0.060	4.2 J	--	7.47	14,170	14.9
06/23/15	42.7	784	--	4.6 J	1,750	<0.060	44.7	--	7.59	14,080	15.3
07/23/15	41.2	666	--	3.8 J	1,280	<0.060	32.4	--	7.19	13,040	20.1
08/31/15	42.1	556	--	<3.2	795	0.068 J	22.0	--	7.13	12,740	20.1
09/22/15	24.6	964	--	<3.2	2,390	<0.060	56.0	--	7.17	11,840	20.0
10/13/15	26.8	705	--	<3.2	2,470	<0.060	4.4 J	--	7.40	19,000	16.8
11/12/15	26.0	746	--	8.9 J	1,570	<0.060	<0.87	--	7.30	18,700	13.9
12/08/15	26.1	1,070	--	<3.2	3,340	<0.060	2.0 J	--	7.31	18,640	11.8
01/21/16	57.2 J D3	989	--	<31.6 D3	3,300	<0.041 D3	3.4 B	--	7.21	18,400	12.9
02/23/16	51.9	1,140	--	<3.2	5,820	0.045 J D3	20.0	--	7.19	18,240	13.7
03/16/16	109	827	--	<3.2	4,500	0.048 J D3	1.2 J B	--	7.07	17,870	13.9
04/12/16	28.8	752	--	<3.2	2,750	<0.041 D3	<1.1	--	7.02	6,710	12.6
05/19/16	21.0	729	--	<3.2	2,060	<0.041 D3	<1.1	--	7.54	19,980	26.0
06/21/16	22.7	665	--	<3.2	1,820	0.074 J D3	1.4 J	--	7.58	19,740	25.0
07/19/16	33.6	773	--	<3.2	1,920	<0.041 D3	9.0	--	7.96	19,960	22.4
08/16/16	34.3	830	--	<3.2	2,540	<0.041 D3	5.4	--	7.84	19,980	23.5
09/22/16	30.1	387	--	<3.2	1,500	0.022 J D3	6.7	--	7.62	17,430	23.6
10/04/16	20.9	550	--	<3.3	1,160	0.049 J D3	34.5	--	7.69	18,370	22.4
11/15/16	17.8 J	549	--	<3.3	1,280	<0.041 D3	12.4	--	7.74	16,870	18.9
12/08/16	19.6 J	410	--	<3.3	1,130	0.051 J D3	22.0 M1	--	7.89	17,560	11.2
01/19/17	32.3	482	--	<3.3	1,290	0.054 J D3	16.0	--	7.92	17,920	14.6
02/16/17	32.4 J D3	566	--	<8.3 D3	1,610	0.048 J D3	28.4	--	7.90	17,420	15.1
03/16/17	50.5 J D3	548	--	<16.6 D3	2,300	<0.041 D3	2.1 J	--	7.84	16,890	14.6
04/11/17	24.8	432	--	<3.3	1,370	0.041 J D3	6.4	--	7.84	17,220	14.3
05/25/17	35.7	442	--	<3.3	1,870	0.047 J D3	24.7	--	7.84	17,170	18.5
06/22/17	15.1 J	440	--	<3.3	846	<0.041 D3	6.5	--	7.49	17,040	21.7
07/20/17	35.6	416	--	<3.3	1,530	0.048 J D3	41.6	--	7.13	7,030	21.4
08/29/17	15.4 J	439	--	<3.3	1,030	0.045 J D3	68.0	--	7.69	16,410	19.3
09/19/17	32.7	458	--	<3.3	956	0.042 J D3	53.9	--	8.19	>20,000	18.3
10/03/17	17.5 J	632	--	<3.3	940	0.057 J D3	44.6	--	8.11	>20,000	18.1
11/16/17	27.5	604	--	<3.3	1,630	0.066 J D3	33.6	--	8.01	>20,000	16.9
12/14/17	23.5	678	--	<3.3	2,200	0.038 J D3	5.2	--	7.39	18,430	14.3

Table notes are provided on the last page of the data summary.

Environmental Sampling Corporation
ADVANCED DISPOSAL SERVICES SEVEN MILE CREEK LANDFILL

Sector 2 Leachate Analytical Data Summary

Leachate Tank 2		PARAMETERS											
		Volatile Organic Compounds (VOCs)									PCBs	SVOCs	
	1,4-Dichloro-benzene	Acetone	Ethyl-benzene	Methylene Chloride	MEK (2-Butanone)	Tetra-hydrofuran	Tetra- chloro-ethene	Toluene	m&p-Xylene	o-Xylene	Total PCBs	m-&p-Cresol	Phenol
DATE	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
01/31/13	<47.5	8,310	<27.0	<21.5	6,820	1,570	<22.5	<33.5	<90.0	<41.5	--	--	--
02/26/13	--	--	--	--	--	--	--	--	--	--	--	--	--
03/18/13	--	--	--	--	--	--	--	--	--	--	--	--	--
04/23/13	<47.5	2,910	<27.0	<21.5	<215	940	29.8 J	60.3	<90.0	<41.5	<3.0	1,570 J	1,270 J
05/30/13	--	--	--	--	--	--	--	--	--	--	--	--	--
06/27/13	--	--	--	--	--	--	--	--	--	--	--	--	--
07/23/13	<43.4	10,500	<50.0	<35.9	8,010	1,440	<47.2	<43.9	<81.7	<50.0	--	--	--
08/22/13	--	--	--	--	--	--	--	--	--	--	--	--	--
09/24/13	--	--	--	--	--	--	--	--	--	--	--	--	--
10/22/13	<43.4	6,480	<50.0	<35.9	5,840	1,190	<47.2	<43.9	<81.7	<50.0	<2.5	3,010	742 J
12/03/13	--	--	--	--	--	--	--	--	--	--	--	--	--
12/19/13	--	--	--	--	--	--	--	--	--	--	--	--	--
01/21/14	<17.4	7,410	<20.0	<14.3	5,800	1,680	<18.9	<17.5	<32.7	<20.0	--	--	--
02/25/14	--	--	--	--	--	--	--	--	--	--	--	--	--
03/18/14	--	--	--	--	--	--	--	--	--	--	--	--	--
04/08/14	<5.0	1,320	9.1 J	5.0 J	964	879	<5.0	21.1	15.0 J	7.6 J	0.29 J	365	263
05/29/14	--	--	--	--	--	--	--	--	--	--	--	--	--
06/24/14	--	--	--	--	--	--	--	--	--	--	--	--	--
07/24/14	<5.0	2,460	<5.0	<2.3	1,560	1,100	<5.0	7.6 J	<10.0	<5.0	--	--	--
08/21/14	--	--	--	--	--	--	--	--	--	--	--	--	--
09/25/14	--	--	--	--	--	--	--	--	--	--	--	--	--
10/14/14	<12.5	3,400	16.3 J	<5.8	1,630	1,060	<12.5	53.4	28.2 J	<12.5	<0.24	--	--
11/25/14	--	--	--	--	--	--	--	--	--	--	--	--	--
12/18/14	--	--	--	--	--	--	--	--	--	--	--	--	--
01/27/15	--	--	--	--	--	--	--	--	--	--	--	--	--
02/24/15	--	--	--	--	--	--	--	--	--	--	--	--	--
03/24/15	--	--	--	--	--	--	--	--	--	--	--	--	--
04/21/15	11.5	3,460	10.5	<2.3 B	3,890	1,620	<5.0	37.3	28.3	<5.0	<2.5	945	755
05/19/15	--	--	--	--	--	--	--	--	--	--	--	--	--
06/23/15	--	--	--	--	--	--	--	--	--	--	--	--	--
07/23/15	--	--	--	--	--	--	--	--	--	--	--	--	--
08/31/15	--	--	--	--	--	--	--	--	--	--	--	--	--
09/22/15	--	--	--	--	--	--	--	--	--	--	--	--	--
10/13/15	<20.0	3,640	<20.0	<9.3	3,090	1,180	<20.0	34.2 J	<40.0	<20.0	<0.25	--	--
11/12/15	--	--	--	--	--	--	--	--	--	--	--	--	--
12/08/15	--	--	--	--	--	--	--	--	--	--	--	--	--
01/21/16	--	--	--	--	--	--	--	--	--	--	--	--	--
02/23/16	--	--	--	--	--	--	--	--	--	--	--	--	--
03/16/16	--	--	--	--	--	--	--	--	--	--	--	--	--
04/12/16	<50.0	16,300	<50.0	<23.3	13,200	1,820	<50.0	51.1 J	<100	<50.0	<2.5	2,040 J	506 J D3
05/19/16	--	--	--	--	--	--	--	--	--	--	--	--	--
06/21/16	--	--	--	--	--	--	--	--	--	--	--	--	--
07/19/16	--	--	--	--	--	--	--	--	--	--	--	--	--
08/16/16	--	--	--	--	--	--	--	--	--	--	--	--	--
09/22/16	--	--	--	--	--	--	--	--	--	--	--	--	--
10/04/16	<20.0	3,810 B	<20.0	<9.3	3,610	1,330	<20.0	31.7 J	<40.0	<20.0	<0.24	--	--
11/15/16	--	--	--	--	--	--	--	--	--	--	--	--	--
12/08/16	--	--	--	--	--	--	--	--	--	--	--	--	--
01/19/17	--	--	--	--	--	--	--	--	--	--	--	--	--
02/16/17	--	--	--	--	--	--	--	--	--	--	--	--	--
03/16/17	--	--	--	--	--	--	--	--	--	--	--	--	--
04/11/17	<50.0	5,800	<50.0	<23.3	6,850	1,480	<50.0	<50.0	<100	<50.0	<2.5	1,740	<171 D3
05/25/17	--	--	--	--	--	--	--	--	--	--	--	--	--
06/22/17	--	--	--	--	--	--	--	--	--	--	--	--	--
07/20/17	--	--	--	--	--	--	--	--	--	--	--	--	--
08/29/17	--	--	--	--	--	--	--	--	--	--	--	--	--
09/19/17	--	--	--	--	--	--	--	--	--	--	--	--	--
10/03/17	<50.0	6,820	<50.0	<23.3	6,320	1,410	<50.0	<50.0	<100	<50.0	<5.0	--	--
11/16/17	--	--	--	--	--	--	--	--	--	--	--	--	--
12/14/17	--	--	--	--	--	--	--	--	--	--	--	--	--

Table notes are provided on the last page of the data summary.

Environmental Sampling Corporation
ADVANCED DISPOSAL SERVICES SEVEN MILE CREEK LANDFILL

Sector 2 Leachate Analytical Data Summary

Leachate Tank 2	PARAMETERS									
	Volatile Fatty Acids (VFAs)									
	Lactic Acid	Acetic Acid	Propionic Acid	Formic Acid	Butyric Acid	Pyruvic Acid	i-Pentanoic Acid	Pentanoic Acid	i-Hexanoic Acid	Hexanoic Acid
DATE	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
01/31/13	3.8 J	920	540	33	280	29	36	84	<1.3	83
02/26/13	--	--	--	--	--	--	--	--	--	--
03/18/13	--	--	--	--	--	--	--	--	--	--
04/23/13	--	--	--	--	--	--	--	--	--	--
05/30/13	--	--	--	--	--	--	--	--	--	--
06/27/13	--	--	--	--	--	--	--	--	--	--
07/23/13	<50	970	720	48	340	35	26	200	<2.9	89
08/22/13	--	--	--	--	--	--	--	--	--	--
09/24/13	--	--	--	--	--	--	--	--	--	--
10/22/13	--	--	--	--	--	--	--	--	--	--
12/03/13	--	--	--	--	--	--	--	--	--	--
12/19/13	--	--	--	--	--	--	--	--	--	--
01/21/14	5.0 J	510	410	44	150	31	32	40	<2.9	44 J
02/25/14	--	--	--	--	--	--	--	--	--	--
03/18/14	--	--	--	--	--	--	--	--	--	--
04/08/14	--	--	--	--	--	--	--	--	--	--
05/29/14	--	--	--	--	--	--	--	--	--	--
06/24/14	--	--	--	--	--	--	--	--	--	--
07/24/14	1.8 J	210	140	17	49	9.0 J	12 J	16	40	<12
08/21/14	--	--	--	--	--	--	--	--	--	--
09/25/14	--	--	--	--	--	--	--	--	--	--
10/14/14	--	--	--	--	--	--	--	--	--	--
11/25/14	--	--	--	--	--	--	--	--	--	--
12/18/14	--	--	--	--	--	--	--	--	--	--
01/27/15	--	--	--	--	--	--	--	--	--	--
02/24/15	--	--	--	--	--	--	--	--	--	--
03/24/15	--	--	--	--	--	--	--	--	--	--
04/21/15	8.8 J	310	170	17	78	13 J	14 J	21	<20	19 J
05/19/15	--	--	--	--	--	--	--	--	--	--
06/23/15	--	--	--	--	--	--	--	--	--	--
07/23/15	--	--	--	--	--	--	--	--	--	--
08/31/15	--	--	--	--	--	--	--	--	--	--
09/22/15	--	--	--	--	--	--	--	--	--	--
10/13/15	--	--	--	--	--	--	--	--	--	--
11/12/15	--	--	--	--	--	--	--	--	--	--
12/08/15	--	--	--	--	--	--	--	--	--	--
01/21/16	--	--	--	--	--	--	--	--	--	--
02/23/16	--	--	--	--	--	--	--	--	--	--
03/16/16	--	--	--	--	--	--	--	--	--	--
04/12/16	0.47 J	1,000	590	2.2 J	470	36	29	170	4.2 J	170
05/19/16	--	--	--	--	--	--	--	--	--	--
06/21/16	--	--	--	--	--	--	--	--	--	--
07/19/16	--	--	--	--	--	--	--	--	--	--
08/16/16	--	--	--	--	--	--	--	--	--	--
09/22/16	--	--	--	--	--	--	--	--	--	--
10/04/16	--	--	--	--	--	--	--	--	--	--
11/15/16	--	--	--	--	--	--	--	--	--	--
12/08/16	--	--	--	--	--	--	--	--	--	--
01/19/17	--	--	--	--	--	--	--	--	--	--
02/16/17	--	--	--	--	--	--	--	--	--	--
03/16/17	--	--	--	--	--	--	--	--	--	--
04/11/17	0.91 J	620 B	540	20 B	70	20	15	51	8.1 J	13 J
05/25/17	--	--	--	--	--	--	--	--	--	--
06/22/17	--	--	--	--	--	--	--	--	--	--
07/20/17	--	--	--	--	--	--	--	--	--	--
08/29/17	--	--	--	--	--	--	--	--	--	--
09/19/17	--	--	--	--	--	--	--	--	--	--
10/03/17	--	--	--	--	--	--	--	--	--	--
11/16/17	--	--	--	--	--	--	--	--	--	--
12/14/17	--	--	--	--	--	--	--	--	--	--

Notes:
mg/L = milligrams per liter
ug/L = micrograms per liter
s.u. = standard units
J = result value was between the laboratory limit of detection and limit of quantitation.
< = The analyte was not detected at a concentration at or above the method detection limit (i.e. < MDL)
-- = Analysis was not required.

In accordance with the April 19, 2005 Conditional Plan of Operation, semi-annual monitoring is required at the leachate tank in April and October. Additional monitoring was conducted in accordance with the Organic Stability Plan and the wastewater treatment plant monitoring requirements.

The June 2013 oil & grease sample was collected on July 2, 2013.

B = Analyte was detected in the Trip Blank or associated method blank
ND = Analyte was not detected
* = No longer analyzed due to requirement change in 2014
= Analytes were added due to a requirement change in 2016.
M1 = Matrix spike recovery exceeded QC limits, accepted based on laboratory control sample recovery.
D3 = Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.

Appendix D

Facility Maintenance and Inspections

Attachment D-1

Maintenance and Repair Summary

Advanced Disposal Services
Seven Mile Creek Landfill

Maintenance and Repair Summary

Mon-Yr	Sector	Component or Location	Maintenance/ Repairs Conducted
Daily/Weekly	1 & 2	Entire facility	Temporary laborers were used to consistently clean blower/tracked garbage and debris.
Weekly	1 & 2	Perimeter roads	Swept paved roads
As needed	1 & 2	Perimeter roads	Non-paved roads were re-graded and maintained. Gravel was added as needed.
As needed	1 & 2	Entire facility and Landfill cover	Grass around the facility was cut weekly as needed, during the growing season, as part of the routine grounds maintenance. The landfill cover slopes were cut twice during 2017.
As needed	1 & 2	Wellfield	Replaced Kanaflex and sample ports as needed. Cleaned wellheads and well pumps as needed.
Jan-17	1 & 2	Blower/Flare	Cleaned and replaced flame arrestor on flare (1/4/17)
Jan-17	1 & 2	Blower/Flare	Replaced broken belts on blower #1 (1/23/17 and 1/27/17)
Jan-17	1	Wellfield	Replaced wellhead on N Main and replaced kanaflex on Sect. 1 N&S main (1/23/17)
Jan-17	1 & 2	Blower/Flare	Tested shutdown sequencing and program settings (1/30/17)
Feb-17	1 & 2	Blower/Flare	Twin City Fan aligned pullies for both blower motors (2/2/17)
Feb-17	1 & 2	Blower/Flare	Evologic and B&B Electric worked to resolve issues with wiring and flare control panels. (2/6/17, 2/14/17, and 2/15/17)
Feb-17	1 & 2	Blower/Flare	Replaced Sensaphone SCADA 3000 datalogger (2/15/17)
Feb-17	2	Wellfield	Abandoned supplemental gas extraction point S2P4ALC1 (2/21/17)
Feb-17	1 & 2	Blower/Flare	B&B Electric installed switches in the flare panel (2/23/17)
May-17	1 & 2	Blower/Flare	Flow to DPC was discontinued on 5/26/17 16:00. Valves were manually closed at SMCL and DPC.
May-17	1 & 2	Blower/Flare	Removed flow meters for annual factory calibration and installed loaner flow meters (5/31/17)
Jun-17	1 & 2	Blower/Flare	Adjusted the position of the loaner flow meter due correct position and depth of probe that resulted in erroneous readings (6/2/17)
Jun-17	1 & 2	Blower/Flare	Checked knockout for blockage (6/2/17)
Jun-17	1 & 2	Blower/Flare	Installed factory calibrated flow meters (6/16/17)
Jun-17	1 & 2	Perimeter ditches	Removed sediment from ditches, re-graded, and seeded as needed
Jun-17	2	Landfill cover	Repaired leachate seep (dug down and filled with stone, then covered with dirt and seeded)
Jun-17	2	Landfill cover	Washouts were fixed weekly as needed around the landfill.
Jun-17	2	Landfill cover	Interim cover was added in flagging areas, re-graded and seeded.
Jun-17	2	Wellfield	Installed a vacuum jumper line from GW27A to S2P4OC4 (6/29/17)
Jul-17	1 & 2	Perimeter ditches	Removed sediment from ditches, re-graded, and seeded as needed
Jul-17	2	Landfill cover	Washouts were fixed weekly as needed around the landfill.
Jul-17	2	Landfill cover	Interim cover was added in flagging areas, re-graded and seeded.
Jul-17	1 & 2	Blower/Flare	Twin City Fan replaced the blower bearings on Blower #1 (7/28/17)
Jul-17	2	Phase 11	Replaced the riser pump on Phase 11 (7/31/17)
Aug-17	1 & 2	Perimeter ditches	Removed sediment from ditches, re-graded, and seeded as needed
Aug-17	2	Landfill cover	Repaired leachate seep (dug down and filled with stone, then covered with dirt and seeded)
Aug-17	2	Landfill cover	Interim cover was added in flagging areas, re-graded and seeded.
Aug-17	2	Landfill cover	Washouts were fixed weekly as needed around the landfill.
Aug-17	2	Landfill cover	Black dirt and composted material were added to areas to promote grass growth
Aug-17	2	Landfill cover	Subcontractor fixed washouts on west facing slope and installed e-matting and seed to prevent future washouts
Aug-17	1 & 2	Perimeter roads	Pot holes in asphalt roads were repaired. Speed bumps were painted with safety yellow paint.
Aug-17	2	Phase 12	Replaced the riser pump on Phase 12 (8/21/17)

Advanced Disposal Services
Seven Mile Creek Landfill

Maintenance and Repair Summary

Mon-Yr	Sector	Component or Location	Maintenance/ Repairs Conducted
Aug-17	2	Wellfield	Terra Engineering installed a vacuum tie-in line from GW27A to GW14A (8/24/17)
Aug-17	2	Phase 13	Replaced the riser pump on Phase 13 (8/31/17)
Sep-17	2	Phase 9	Replaced the riser pump on Phase 9 (9/6/17)
Sep-17	2	Wellfield	Extended gas well GW13 (9/8/17)
Sep-17	1 & 2	Blower/Flare	Blower motor stopped, switched to back-up blower (9/26/17), inspected Blower #1 motor (9/27/17)
Sep-17	1 & 2	Perimeter ditches	Removed sediment from ditches, re-graded, and seeded as needed
Sep-17	2	Landfill cover	Washouts were fixed weekly as needed around the landfill.
Sep-17	2	Landfill cover	Repaired leachate seep (dug down and filled with stone, then covered with dirt and seeded)
Sep-17	2	Landfill cover	Black dirt and composted material were added to areas to promote grass growth
Sep-17	2	Landfill cover	Interim cover was added in flagging areas, re-graded and seeded.
Sep-17	2	Outfalls	Installed signs to mark outfalls
Oct-17	1 & 2	Blower/Flare	Replaced the primary blower (10/6/17)
Oct-17	2	Landfill cover	Washouts were fixed weekly as needed around the landfill.
Oct-17	2	Landfill cover	Repaired leachate seep (dug down and filled with stone, then covered with dirt and seeded)
Oct-17	2	Landfill scale	Recalibrated the scale.
Oct-17	1 & 2	Landfill shop	Shop doors were serviced and door height signs were installed. Wood was added to correct toe board hieght on second story in shop.
Nov-17	2	Wellfield	Extended GW14A (11/3/17 and 11/6/17)
Nov-17	2	Wellfield	Extended GW13 (11/9/17)
Nov-17	1 & 2	Blower/Flare	Replaced flare thermocouple and spark plug on flare (11/22/17)
Nov-17	1 & 2	Entire facility	Lighting in the parking areas and scale areas were repaired/replaced.
Dec-17	1 & 2	Blower/Flare	Replaced relays and removed and cleaned flare arrestor on flare (12/5/17)
Dec-17	1 & 2	Blower/Flare	Checked thermocouple connections (12/6/17)

Attachment D-2

Site Inspection Forms:

Monthly Spill Prevention Inspection Checklist

Quarterly Inspection Checklist

Annual Facility Site Compliance Inspection Report

Monthly Cover Integrity Inspection Logs

ATTACHMENT A – MONTHLY INSPECTION CHECKLIST
Seven Mile Creek Landfill - Year: 2017

Complete this inspection checklist *each month* for all tanks and containers indicated. Check off each item for each source if the statement is true. Provide further description and comments. *Any item that is not checked as true shall be described and addressed immediately.*

AST1, Tank Areas and Piping	Month											
	1	2	3	4	5	6	7	8	9	10	11	12
Tank surfaces show no signs of leakage	T	T	T	T	T	T	T	T	T	T	T	T
Tank shows no signs of damage, rust, or deterioration	T	T	T	T	T	T	T	T	T	T	T	T
There is no damage to bolts, rivets, or seams	T	T	T	T	T	T	T	T	T	T	T	T
Level gauge or alarm is working properly	T	T	T	T	T	T	T	T	T	T	T	T
Tank area is not obstructed	T	T	T	T	T	T	T	T	T	T	T	T
~~There is no water/oil in interstice of double-walled tank~~	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Pumps and valves are locked	T	T	T	T	T	T	T	T	T	T	T	T
There is no oil present in the secondary containment	T	T	T	T	T	T	T	T	T	T	T	T
There are no signs of leakage or deterioration to pipelines and connections	T	T	T	T	T	T	T	T	T	T	T	T
~~There are no signs of leakage or deterioration to concrete pad or ground below tank~~	T	T	T	T	T	T	T	T	T	NA	NA	NA
~~There are no signs of damage or staining to the containment structure~~	T	T	T	T	T	T	T	T	T	NA	NA	NA
Tank area is not obstructed by equipment, vegetation, or waste debris	T	T	T	T	T	T	T	T	T	T	T	T

No Longer Have TOTE2 MW D1 is still active

Portable Container Storage Areas (D1, TOTE1)	Month											
	1	2	3	4	5	6	7	8	9	10	11	12
Containers or drums show no signs of leakage, deterioration, or distortion.	T	T	NA	NA	NA	T	T	T	T	T	T	T
Containers or drums show no signs of spillage on their tops, sides, or surrounding ground	T	T	NA	NA	NA	T	T	T	T	T	T	T
No excess materials or waste debris are stacked on containers or drums	T	T	NA	NA	NA	T	T	T	T	T	T	T
Container or drum lids are tightly closed	T	T	NA	NA	NA	T	T	T	T	T	T	T
Containers or drums are labeled and are not outdated	T	T	NA	NA	NA	T	T	T	T	T	T	T
Container or drum area is not obstructed by equipment, vegetation, or waste debris	T	T	NA	NA	NA	T	T	T	T	T	T	T
Containers or drums are within designated storage area	T	T	NA	NA	NA	T	T	T	T	T	T	T

Spill Kits	Month											
	1	2	3	4	5	6	7	8	9	10	11	12
Spill kits are full and do not require replenishment of response materials	T	T	T	T	T	T	T	T	T	T	T	T

ATTACHMENT A – MONTHLY INSPECTION CHECKLIST (CONTINUED)

Seven Mile Creek Landfill - Year: 2017

Month	Source/Area	Note

Check off under each source name after it has been inspected for the current month. After you complete your inspection of the oil sources, sign and date the table below.

Month	AST1	D1	TOTE1	Signature	Date
January	✓	✓	NA	John D. Mc	1-26-17
February	✓	✓	NA	John D. Mc	2-6-17
March	✓	✓	NA	[illegible]	3-23-17
April	✓	✓	NA	[illegible]	4-28-17
May	✓	✓	NA	[illegible]	5-26-17
June	✓	✓	NA	[illegible]	6/23/17
July	✓	✓	NA	[illegible]	7/28/17
August	✓	✓	NA	[illegible]	8/30/17
September	✓	✓	NA	[illegible]	9/29/17
October	✓	✓	NA	[illegible]	10/25/17
November	✓	✓	NA	[illegible]	11/10/7
December	✓	✓	NA	[illegible]	12/13/17

ATTACHMENT B1
Quarterly Site Inspection Form
Advanced Disposal Services Seven Mile Creek Landfill

Location: Advanced Disposal Services Seven Mile Creek Landfill Eau Claire, Wisconsin	Inspector (print name): Mark W. Vinall
Date: 3/23/17	Signature:
Time: 11:15 AM	Weather at time of inspection: ☐ Clear ☐ Cloudy ☒ Rain ☐ Sleet ☐ Fog ☐ Snow ☐ High Winds ☐ Other: Temperature:
Have any previously unidentified discharges of pollutants occurred since the last inspection? ☐Yes ☒No If yes, describe:	
Are there any discharges occurring at the time of inspection? ☐Yes ☒No If yes, describe:	

SWPPP and Site Map: Have a copy of the SWPPP and site map with you during the inspection so that you can ensure they are current and accurate. Use it as an aide in recording the location of any issues you identify during the inspection.		**Findings and Remedial Action Documentation:** Describe any findings below and the schedule for remedial action completion including the date initiated and date completed or expected to be completed.
• Is the Site Map current and accurate?	**Yes** / **No**	
• Is the SWPPP inventory of activities, materials, and products current?	**Yes** / **No**	

ATTACHMENT B1 (CONTINUED)
Quarterly Site Inspection Form
Advanced Disposal Services Seven Mile Creek Landfill

Source Area/BMPs	Observation	If No, New/Additional BMP Required?	Notes, Repairs, Actions Taken
Landfill Operations			
• Is storm water in contact with daily cover or waste being routed to the leachate collection system?	Y / N / NA	Y / N / NA	
• Are diversion structures diverting storm water that has not come into contact with waste from active landfill areas?	Y / N / NA	Y / N / NA	
• Are landfill operations being performed in accordance with the Plan of Operation?	Y / N / NA	Y / N / NA	
• Final cover and intermediate cover in good condition?	Y / N / NA	Y / N / NA	Intermediate Cover on West slope (Phase 11&12) are rutted and need to be re-graded. Some grading done
• Are diversion berms, downslope flumes, perimeter ditches and/or other storm water features in good condition?	Y / N / NA	Y / N / NA	We are digging out the inlet on lower diversion berm of west (Phase 7) Cap. Need to clean flow line of berm and re-seed.
Site Construction Events			
• Are erosion control practices (e.g., silt fence) in place?	Y / N / NA	Y / N / NA	Generally Yes.
• Are erosion control practices in good condition?	Y / N / NA	Y / N / NA	Generally Yes
• Are there signs of sediment entering wetlands, waterbodies or discharging off-site?	Y / N / NA	Y / N / NA	
• Is the construction area free of debris?	Y / N / NA	Y / N / NA	

ATTACHMENT B1 (CONTINUED)
Quarterly Site Inspection Form
Advanced Disposal Services Seven Mile Creek Landfill

Source Area/BMPs	Observation	If No, New/Additional BMP Required?	Notes, Repairs, Actions Taken
• Are inactive stockpiles vegetated and/or have erosion control BMPs in place?	(Y) N / NA	Y / N / NA	
• Is sediment tracked onto public streets being cleaned daily?	(Y) N / NA	Y / N / NA	
• Are chemical liquids and fluids covered from precipitation?	(Y) N / NA	Y / N / NA	
Good Housekeeping BMPs:			
• Are containers in good condition?	(Y) N / NA	Y / N / NA	
• Are containers labeled?	(Y) / N / NA	Y / N / NA	
• Is the non-landfill areas free of debris?	(Y) / N / NA	Y / N / NA	
Equipment Maintenance Area/Maintenance Shop			
• Are maintenance tools, equipment, and materials stored indoors?	(Y) / N / NA	Y / N / NA	
• Are maintenance activities occurring indoors?	(Y) / N / NA	Y / N / NA	
• Are all drums and containers of fluids stored with proper cover and containment?	(Y) / N / NA	Y / N / NA	
• Are the vehicles and/or equipment maintained to be leak-free? If no, identify leaking equipment.	(Y) N / NA	Y / N / NA	

ATTACHMENT B1 (CONTINUED)
Quarterly Site Inspection Form
Advanced Disposal Services Seven Mile Creek Landfill

Source Area/BMPs	Observation	If No, New/Additional BMP Required?	Notes, Repairs, Actions Taken
• Is the site area clear of any evidence of leaks or spills since last inspection? If not, identify and address.	Y / N / NA	Y / N / NA	
• Are materials, equipment, and activities located so that leaks are contained in existing containment and diversion systems (confine the storage of leaky or leak-prone vehicles and equipment awaiting maintenance to protected areas)?	Y / N / NA	Y / N / NA	
Outdoor Storage Areas:			
• Are waste storage containers in good condition (no holes, leaks, non-functioning seals)?	Y / N / NA	Y / N / NA	
• Are outdoor storage containers covered?	Y / N / NA	Y / N / NA	
• Are containers being emptied before they become too full?	Y / N / NA	Y / N / NA	
• Are the storage area and its surroundings free of litter/debris?	Y / N / NA	Y / N / NA	
• Is the storage container and surrounding area clear of any signs of contamination (e.g., stained soil)?	Y / N / NA	Y / N / NA	
On-Site Fueling Area			
• Are the tank and dispensing equipment free of apparent leaks?	Y / N / NA	Y / N / NA	

ATTACHMENT B1 (CONTINUED)
Quarterly Site Inspection Form
Advanced Disposal Services Seven Mile Creek Landfill

Source Area/BMPs	Observation	If No, New/Additional BMP Required?	Notes, Repairs, Actions Taken
• Is the fueling occurring within the landfill limits?	Y / N / NA	Y / N / NA	
Vehicular Traffic and Parking:			
• Are access road and parking areas in good condition (no signs of erosion or damage)?	Y / N / NA	Y / N / NA	Some potholes to fix in asphalt when plants open up to fix.
• Are traffic and parking areas clear of any signs of contamination/spills?	Y / N / NA	Y / N / NA	
• Are paved surfaces free of accumulated dust/sediment and debris?	Y / N / NA	Y / N / NA	
• Is dust generation due to traffic flow levels limited to minimal levels? If no, are steps being taken to reduce dust?	Y / N / NA	Y / N / NA	
Composting Operations			
• Are stockpiles free of signs of erosion? If no, implement control measures (e.g., stone ditch checks, silt fence, diversion structures).	Y / N / NA	Y / N / NA	
• Is dust adequately controlled?	Y / N / NA	Y / N / NA	
• Is runon being diverted from the operation?	Y / N / NA	Y / N / NA	
• Are compositing operations being performed in accordance with the facility license?	Y / N / NA	Y / N / NA	

ATTACHMENT B1 (CONTINUED)
Quarterly Site Inspection Form
Advanced Disposal Services Seven Mile Creek Landfill

Source Area/BMPs	Observation	If No, New/Additional BMP Required?	Notes, Repairs, Actions Taken
• Is vegetation maintained in discharge areas?	(Y) / N / NA	Y / N / NA	
• Is the compost area free of ponding?	(Y) / N / NA	Y / N / NA	
• Are materials being stored within the compost pad limits?	(Y) / N / NA	Y / N / NA	
Storm Water Treatment BMPs			
• Are the sedimentation basins and infiltration basins functioning properly?	(Y) / N / NA	Y / N / NA	
• Are embankments in good condition (no erosion, animal burrows, woody vegetation)?	(Y) / N / NA	Y / N / NA	
• Are the basins free from signs of contamination (litter, sheen, color)?	(Y) / N / NA	Y / N / NA	
• Are the basin depths still adequate everywhere, not compromised by sediment buildup? (If sediment removal needed, note where.)	(Y) / N / NA	Y / N / NA	Clean up Seed basin of sediment. All of them in spring 2017.
• Are the basins free of debris?	Y / (N) / NA	Y / (N) / NA	Need to clean when grading to remove sediment.
• Are diversion berms, downslope flumes, energy dissipaters, perimeter ditches and culverts used to divert and direct discharges adequate and in good condition?	(Y) / N / NA	Y / N / NA	Clean out flumes again, fix some erosion on lower berm on Phase 7 West Cap.
Leachate Storage and Transfer Operations:			
• Are the tank and dispensing equipment free of apparent leaks?	(Y) / N / NA	Y / N / NA	

ATTACHMENT B1 (CONTINUED)
Quarterly Site Inspection Form
Advanced Disposal Services Seven Mile Creek Landfill

Source Area/BMPs	Observation	If No, New/Additional BMP Required?	Notes, Repairs, Actions Taken
• Is the loadout pad area clear of any signs of spills or leaks?	Y / N / NA	Y / N / NA	
• Does the secondary containment area free of standing liquid?	Y / N / NA	Y / N / NA	
• Are the secondary containment structure and loadout pad free of cracks?	Y / N / NA	Y / N / NA	
Bare Soil Areas:			
• Is the site is free of eroded or bare soil areas that discharge off site?	Y / N / NA	Y / N / NA	

CORRECTIVE ACTION AND SWPPP MODIFICATIONS DESCRIPTIONS: Additional space to describe inspection findings and corrective actions if needed. Provide brief explanation of the general location and the rationale for the additional or different BMPs.

ATTACHMENT B2
Quarterly Wet Weather Outfall Inspection Form
Advanced Disposal Services Seven Mile Creek Landfill

This form should be kept as part of your Storm Water Pollution Prevention Plan. It does not have to be submitted to the Wisconsin Department of Natural Resources unless requested.

Quarterly visual inspections at each storm water discharge outfall should be performed when sufficient runoff occurs during daylight hours. Try to make observations within the first 30 minutes after runoff begins discharging from the outfall or as soon as practical, but no later than 60 minutes. If you find visible pollution, note the probable source and list any possible Best Management Practices that could be used to reduce or eliminate the problem.

Advanced Disposal Services Seven Mile Creek Landfill 8001 Olson Drive Eau Claire, Wisconsin 54703	Date of Inspection: 3/28/2017
Quarter (circle): **1** (Jan-Mar) **2** (Apr-Jun) **3** (Jul-Sep) **4** (Oct-Dec)	
Time Rainfall Began: 1:15 : _____ am pm	
Name of Inspector (print): Mark W. Vinall	
Signature:	

See **Figure 2** and **Section 2.1** for outfall locations, drainage areas, and potential sources of pollution.

Outfall SW-1: Discharge end of East Sedimentation Basin outlet structure discharge pipe	Time of Observation: 2 : 05 am pm ***(Must be within 60 minutes of time rainfall began).***
Color: ☑Clear ☐Red ☐Yellow ☐Brown ☐Other:	
Odor: ☑None ☐Musty ☐Sewage ☐Rotten Egg ☐Other:	
Clarity: ☑Clear ☐Cloudy ☐Opaque ☐Suspended Solids ☐Other:	
Floatables: ☑None ☐Foam ☐Garbage ☐Oily Sheen ☐Other:	
Deposits/Stains: ☑None ☐Oily ☐Sludge ☐Sediments ☐Other	
Comments (*include possible causes of any contamination noted and possible BMPs to control*): Clean off of rain cap	

ATTACHMENT B2 (CONTINUED)
Quarterly Wet Weather Outfall Inspection Form
Advanced Disposal Services Seven Mile Creek Landfill

Outfall SW-2: Inlet of South Sedimentation Basin discharge structure riser pipe	Time of Observation: 2 :02 am (pm) *(Must be within 60 minutes of time rainfall began).*
Color: ☐Clear ☐Red ☐Yellow ☑Brown ☐Other:	
Odor: ☑None ☐Musty ☐Sewage ☐Rotten Egg ☐Other:	
Clarity: ☐Clear ☑Cloudy ☐Opaque ☐Suspended Solids ☐Other:	
Floatables: ☑None ☐Foam ☐Garbage ☐Oily Sheen ☐Other:	
Deposits/Stains: ☑None ☐Oily ☐Sludge ☐Sediments ☐Other	
Comments (*include possible causes of any contamination noted and possible BMPs to control*): Some silty sand from erosion in ditch line to east by rain cap, and from phase 6/7	

Outfall SW-3: Infiltration basin	Time of Observation: 1 :45 ~~am~~ (pm) *(Must be within 60 minutes of time rainfall began).*
Color: ☐Clear ☐Red ☐Yellow ☐Brown ☐Other:	
Odor: ☐None ☐Musty ☐Sewage ☐Rotten Egg ☐Other:	
Clarity: ☐Clear ☐Cloudy ☐Opaque ☐Suspended Solids ☐Other:	
Floatables: ☐None ☐Foam ☐Garbage ☐Oily Sheen ☐Other:	
Deposits/Stains: ☐None ☐Oily ☐Sludge ☐Sediments ☐Other	
Comments (*include possible causes of any contamination noted and possible BMPs to control*): No outfall, not enough water in Sedimentation basin up stream to spill into this outfall.	

Outfall SW-4: Infiltration basin	Time of Observation: 1 :50 ~~am~~ (pm) *(Must be within 60 minutes of time rainfall began).*
Color: ☐Clear ☐Red ☐Yellow ☑Brown ☐Other:	
Odor: ☑None ☐Musty ☐Sewage ☐Rotten Egg ☐Other:	
Clarity: ☐Clear ☑Cloudy ☐Opaque ☐Suspended Solids ☐Other:	
Floatables: ☐None ☑Foam ☐Garbage ☐Oily Sheen ☐Other:	
Deposits/Stains: ☐None ☐Oily ☐Sludge ☑Sediments ☐Other	
Comments (*include possible causes of any contamination noted and possible BMPs to control*): Sediment from phases 11, 12 and 7 that is uncapped. Cloudy water. Some floating foam debris. Need to re-grade slopes at cap.	

ATTACHMENT B2 (CONTINUED)
Quarterly Wet Weather Outfall Inspection Form
Advanced Disposal Services Seven Mile Creek Landfill

Outfall SW-5: Infiltration basin	Time of Observation: 1 :54 am pm *(Must be within 60 minutes of time rainfall began).*
Color: ☑Clear ☐Red ☐Yellow ☐Brown ☐Other:	
Odor: ☑None ☐Musty ☐Sewage ☐Rotten Egg ☐Other:	
Clarity: ☑Clear ☐Cloudy ☐Opaque ☐Suspended Solids ☐Other:	
Floatables: ☑None ☐Foam ☐Garbage ☐Oily Sheen ☐Other:	
Deposits/Stains: ☑None ☐Oily ☐Sludge ☐Sediments ☐Other	
Comments (*include possible causes of any contamination noted and possible BMPs to control*): No water enters the outfall from the sedimentation basin. the sedimentation basin needs to be cleaned out.	

Outfall SW-6: Inlet of Southwest Sedimentation Basin discharge structure riser pipe	Time of Observation: 2 : 5 am pm *(Must be within 60 minutes of time rainfall began).*
Color: ☑Clear ☐Red ☐Yellow ☐Brown ☐Other:	
Odor: ☑None ☐Musty ☐Sewage ☐Rotten Egg ☐Other:	
Clarity: ☑Clear ☐Cloudy ☐Opaque ☐Suspended Solids ☐Other:	
Floatables: ☑None ☐Foam ☐Garbage ☐Oily Sheen ☐Other:	
Deposits/Stains: ☑None ☐Oily ☐Sludge ☐Sediments ☐Other	
Comments (*include possible causes of any contamination noted and possible BMPs to control*): Clean water off of Sect. 1	

Outfall SW-7 Temp: Temporary outfall for partially constructed northeast infiltration, to be replaced by Outfall 7	Time of Observation: 2 : 10 am pm *(Must be within 60 minutes of time rainfall began).*
Color: ☑Clear ☐Red ☐Yellow ☐Brown ☐Other:	
Odor: ☑None ☐Musty ☐Sewage ☐Rotten Egg ☐Other:	
Clarity: ☐Clear ☑Cloudy ☐Opaque ☐Suspended Solids ☐Other:	
Floatables: ☐None ☐Foam ☑Garbage ☐Oily Sheen ☐Other:	
Deposits/Stains: ☑None ☐Oily ☐Sludge ☐Sediments ☐Other	
Comments (*include possible causes of any contamination noted and possible BMPs to control*): some cloudyness to water from sedimentation, some floaty bags from winter blown material to be cleaned up.	

ATTACHMENT B2 (CONTINUED)
Quarterly Wet Weather Outfall Inspection Form
Advanced Disposal Services Seven Mile Creek Landfill

Outfall SW-7: Discharge end of culvert inlet to Northeast Sedimentation Basin	Time of Observation: __ : __ am pm *(Must be within 60 minutes of time rainfall began).*
Color:	☐Clear ☐Red ☐Yellow ☐Brown ☐Other:
Odor:	☐None ☐Musty ☐Sewage ☐Rotten Egg ☐Other:
Clarity:	☐Clear ☐Cloudy ☐Opaque ☐Suspended Solids ☐Other:
Floatables:	☐None ☐Foam ☐Garbage ☐Oily Sheen ☐Other:
Deposits/Stains:	☐None ☐Oily ☐Sludge ☐Sediments ☐Other
Comments (*include possible causes of any contamination noted and possible BMPs to control*): N/A	

Outfall SW-8: Infiltration basin	Time of Observation: 2 : 18 am (pm) *(Must be within 60 minutes of time rainfall began).*
Color:	☐Clear ☐Red ☐Yellow ☑Brown ☐Other:
Odor:	☑None ☐Musty ☐Sewage ☐Rotten Egg ☐Other:
Clarity:	☐Clear ☐Cloudy ☑Opaque ☐Suspended Solids ☐Other:
Floatables:	☑None ☐Foam ☐Garbage ☐Oily Sheen ☐Other:
Deposits/Stains:	☑None ☐Oily ☐Sludge ☑Sediments ☐Other
Comments (*include possible causes of any contamination noted and possible BMPs to control*): This area has some runnoff from equipmt storage area by shop. No outfall, should excavate sediments.	

Other Comments/Observations:
(Please note any additional comments/observations regarding source areas and associated BMPs described in Section 3.0 that require follow-up or improvement)

ATTACHMENT B2 (CONTINUED)
Quarterly Wet Weather Outfall Inspection Form
Advanced Disposal Services Seven Mile Creek Landfill

The following outfalls could not be evaluated during this quarter due to the following reason(s):	
☐ Extended Drought	Outfall(s):
☐ Dangerous Weather	Outfall(s):
☐ Extended Freeze	Outfall(s):
☐ Storms did not occur during normal business hours	Outfall(s):
☐ Other (comment below)	Outfall(s):
Other reasons outfall(s) could not be evaluated this quarter:	

ATTACHMENT B1
Quarterly Site Inspection Form
Advanced Disposal Services Seven Mile Creek Landfill

Location: Advanced Disposal Services Seven Mile Creek Landfill Eau Claire, Wisconsin	Inspector (print name): Mark W. Vinall
Date: 6/23/17	Signature: [signature]
Time: 9:15 AM.	Weather at time of inspection: ☐ Clear ☑ Cloudy ☐ Rain ☐ Sleet ☐ Fog ☐ Snow ☐ High Winds ☐ Other: Temperature: 65° F
Have any previously unidentified discharges of pollutants occurred since the last inspection? ☐ Yes ☑ No If yes, describe:	
Are there any discharges occurring at the time of inspection? ☐ Yes ☑ No If yes, describe:	

SWPPP and Site Map: Have a copy of the SWPPP and site map with you during the inspection so that you can ensure they are current and accurate. Use it as an aide in recording the location of any issues you identify during the inspection.		**Findings and Remedial Action Documentation:** Describe any findings below and the schedule for remedial action completion including the date initiated and date completed or expected to be completed.
• Is the Site Map current and accurate?	(Yes) / No	
• Is the SWPPP inventory of activities, materials, and products current?	(Yes) / No	

ATTACHMENT B1 (CONTINUED)
Quarterly Site Inspection Form
Advanced Disposal Services Seven Mile Creek Landfill

Source Area/BMPs	Observation	If No, New/Additional BMP Required?	Notes, Repairs, Actions Taken
Landfill Operations			
• Is storm water in contact with daily cover or waste being routed to the leachate collection system?	Y / N / NA	Y / N / NA	
• Are diversion structures diverting storm water that has not come into contact with waste from active landfill areas?	Y / N / NA	Y / N / NA	
• Are landfill operations being performed in accordance with the Plan of Operation?	Y / N / NA	Y / N / NA	
• Final cover and intermediate cover in good condition?	Y / N / NA	Y / N / NA	West face of phase 11/12 rutted from storm events will recover. / Done 7/6/17
• Are diversion berms, downslope flumes, perimeter ditches and/or other storm water features in good condition?	Y / N / NA	Y / N / NA	perimeter ditches to be cleaned out along with all sed basins.
Site Construction Events			
• Are erosion control practices (e.g., silt fence) in place?	Y / N / NA	Y / N / NA	No Construction Activities
• Are erosion control practices in good condition?	Y / N / NA	Y / N / NA	
• Are there signs of sediment entering wetlands, waterbodies or discharging off-site?	Y / N / NA	Y / N / NA	
• Is the construction area free of debris?	Y / N / NA	Y / N / NA	

ATTACHMENT B1 (CONTINUED)
Quarterly Site Inspection Form
Advanced Disposal Services Seven Mile Creek Landfill

Source Area/BMPs	Observation	If No, New/Additional BMP Required?	Notes, Repairs, Actions Taken
• Are inactive stockpiles vegetated and/or have erosion control BMPs in place?	Y / N / NA	Y / N / NA	NO Construction Activities
• Is sediment tracked onto public streets being cleaned daily?	Y / N / NA	Y / N / NA	
• Are chemical liquids and fluids covered from precipitation?	Y / N / NA	Y / N / NA	
Good Housekeeping BMPs:			
• Are containers in good condition?	Y / N / NA	Y / N / NA	
• Are containers labeled?	Y / N / NA	Y / N / NA	
• Is the non-landfill areas free of debris?	Y / N / NA	Y / N / NA	
Equipment Maintenance Area/Maintenance Shop			
• Are maintenance tools, equipment, and materials stored indoors?	Y / N / NA	Y / N / NA	
• Are maintenance activities occurring indoors?	Y / N / NA	Y / N / NA	
• Are all drums and containers of fluids stored with proper cover and containment?	Y / N / NA	Y / N / NA	
• Are the vehicles and/or equipment maintained to be leak-free? If no, identify leaking equipment.	Y / N / NA	Y / N / NA	

ATTACHMENT B1 (CONTINUED)
Quarterly Site Inspection Form
Advanced Disposal Services Seven Mile Creek Landfill

Source Area/BMPs	Observation	If No, New/Additional BMP Required?	Notes, Repairs, Actions Taken
• Is the site area clear of any evidence of leaks or spills since last inspection? If not, identify and address.	Y / N / NA	Y / N / NA	
• Are materials, equipment, and activities located so that leaks are contained in existing containment and diversion systems (confine the storage of leaky or leak-prone vehicles and equipment awaiting maintenance to protected areas)?	Y / N / NA	Y / N / NA	
Outdoor Storage Areas:			
• Are waste storage containers in good condition (no holes, leaks, non-functioning seals)?	Y / N / NA	Y / N / NA	
• Are outdoor storage containers covered?	Y / N / NA	Y / N / NA	
• Are containers being emptied before they become too full?	Y / N / NA	Y / N / NA	
• Are the storage area and its surroundings free of litter/debris?	Y / N / NA	Y / N / NA	
• Is the storage container and surrounding area clear of any signs of contamination (e.g., stained soil)?	Y N / NA	Y / N / NA	
On-Site Fueling Area			
• Are the tank and dispensing equipment free of apparent leaks?	Y / N / NA	Y / N / NA	

ATTACHMENT B1 (CONTINUED)
Quarterly Site Inspection Form
Advanced Disposal Services Seven Mile Creek Landfill

Source Area/BMPs	Observation	If No, New/Additional BMP Required?	Notes, Repairs, Actions Taken
• Is the fueling occurring within the landfill limits?	(Y)/ N / NA	Y / N / NA	
Vehicular Traffic and Parking:			
• Are access road and parking areas in good condition (no signs of erosion or damage)?	(Y)/ N / NA	Y / N / NA	some small cracks and potholes to repair. scheduled 2018
• Are traffic and parking areas clear of any signs of contamination/spills?	(Y)/ N / NA	Y / N / NA	
• Are paved surfaces free of accumulated dust/sediment and debris?	(Y)/ N / NA	Y / N / NA	
• Is dust generation due to traffic flow levels limited to minimal levels? If no, are steps being taken to reduce dust?	(Y)/ N / NA	Y / N / NA	use water to suppress dust as needed
Composting Operations			
• Are stockpiles free of signs of erosion? If no, implement control measures (e.g., stone ditch checks, silt fence, diversion structures).	(Y)/ N / NA	Y / N / NA	
• Is dust adequately controlled?	(Y)/ N / NA	Y / N / NA	
• Is runon being diverted from the operation?	(Y)/ N / NA	Y / N / NA	
• Are compositing operations being performed in accordance with the facility license?	(Y)/ N / NA	Y / N / NA	

ATTACHMENT B1 (CONTINUED)
Quarterly Site Inspection Form
Advanced Disposal Services Seven Mile Creek Landfill

Source Area/BMPs	Observation	If No, New/Additional BMP Required?	Notes, Repairs, Actions Taken
• Is vegetation maintained in discharge areas?	(Y) / N / NA	Y / N / NA	
• Is the compost area free of ponding?	(Y) / N / NA	Y / N / NA	
• Are materials being stored within the compost pad limits?	(Y) / N / NA	Y / N / NA	
Storm Water Treatment BMPs			
• Are the sedimentation basins and infiltration basins functioning properly?	(Y) / N / NA	Y / N / NA	
• Are embankments in good condition (no erosion, animal burrows, woody vegetation)?	(Y) / N / NA	Y / N / NA	
• Are the basins free from signs of contamination (litter, sheen, color)?	(Y) / N / NA	Y / N / NA	
• Are the basin depths still adequate everywhere, not compromised by sediment buildup? (If sediment removal needed, note where.)	(Y) / N / NA	Y / N / NA	All basin floors need to be excavated. Fall 2017
• Are the basins free of debris?	(Y) / N / NA	Y / N / NA	
• Are diversion berms, downslope flumes, energy dissipaters, perimeter ditches and culverts used to divert and direct discharges adequate and in good condition?	~~(Y)~~ (N) / NA	Y / (N) / NA	Dissipators being cleaned out, perimeter ditches must be cleaned out.
Leachate Storage and Transfer Operations:			
• Are the tank and dispensing equipment free of apparent leaks?	(Y) / N / NA	Y / N / NA	

ATTACHMENT B1 (CONTINUED)
Quarterly Site Inspection Form
Advanced Disposal Services Seven Mile Creek Landfill

Source Area/BMPs	Observation	If No, New/Additional BMP Required?	Notes, Repairs, Actions Taken
• Is the loadout pad area clear of any signs of spills or leaks?	(Y)/ N / NA	Y / N / NA	
• Does the secondary containment area free of standing liquid?	(Y)/ N / NA	Y / N / NA	
• Are the secondary containment structure and loadout pad free of cracks?	(Y)/ N / NA	Y / N / NA	
Bare Soil Areas:			
• Is the site is free of eroded or bare soil areas that discharge off site?	(Y)/ N / NA	Y / N / NA	

CORRECTIVE ACTION AND SWPPP MODIFICATIONS DESCRIPTIONS: Additional space to describe inspection findings and corrective actions if needed. Provide brief explanation of the general location and the rationale for the additional or different BMPs.

ATTACHMENT B2
Quarterly Wet Weather Outfall Inspection Form
Advanced Disposal Services Seven Mile Creek Landfill

This form should be kept as part of your Storm Water Pollution Prevention Plan. It does not have to be submitted to the Wisconsin Department of Natural Resources unless requested.

Quarterly visual inspections at each storm water discharge outfall should be performed when sufficient runoff occurs during daylight hours. Try to make observations within the first 30 minutes after runoff begins discharging from the outfall or as soon as practical, but no later than 60 minutes. If you find visible pollution, note the probable source and list any possible Best Management Practices that could be used to reduce or eliminate the problem.

Advanced Disposal Services Seven Mile Creek Landfill 8001 Olson Drive Eau Claire, Wisconsin 54703	Date of Inspection: 6 / 22 / 20 1 7
Quarter (circle): 1 (Jan-Mar) 2 (Apr-Jun) 3 (Jul-Sep) 4 (Oct-Dec)	
Time Rainfall Began: 11 : 00 am pm	
Name of Inspector (print): Mark W. Vinell	
Signature:	

See **Figure 2** and **Section 2.1** for outfall locations, drainage areas, and potential sources of pollution.

Outfall SW-1: Discharge end of East Sedimentation Basin outlet structure discharge pipe	Time of Observation: 11 : 35 am pm *(Must be within 60 minutes of time rainfall began).*
Color: ☐Clear ☐Red ☐Yellow ☐Brown ☐Other:	
Odor: ☐None ☐Musty ☐Sewage ☐Rotten Egg ☐Other:	
Clarity: ☐Clear ☐Cloudy ☐Opaque ☐Suspended Solids ☐Other:	
Floatables: ☐None ☐Foam ☐Garbage ☐Oily Sheen ☐Other:	
Deposits/Stains: ☐None ☐Oily ☐Sludge ☐Sediments ☐Other	
Comments (*include possible causes of any contamination noted and possible BMPs to control*): No discharge out of outfall No. SW-1 Insufficient precip to cause sed basin to fill enough to flow discharge. Have never observed discharge here	

ATTACHMENT B2 (CONTINUED)
Quarterly Wet Weather Outfall Inspection Form
Advanced Disposal Services Seven Mile Creek Landfill

Outfall SW-2: Inlet of South Sedimentation Basin discharge structure riser pipe	Time of Observation: 11 : 40 (am) pm *(Must be within 60 minutes of time rainfall began).*			
Color:	☑Clear	☐Red	☐Yellow ☐Brown	☐Other:
Odor:	☑None	☐Musty	☐Sewage ☐Rotten Egg	☐Other:
Clarity:	☐Clear	☑Cloudy	☐Opaque ☐Suspended Solids	☐Other:
Floatables:	☑None	☐Foam	☐Garbage ☐Oily Sheen	☐Other:
Deposits/Stains:	☑None	☐Oily	☐Sludge ☐Sediments	☐Other
Comments (*include possible causes of any contamination noted and possible BMPs to control*):				

Outfall SW-3: Infiltration basin	Time of Observation: 11 : 51 (am) pm *(Must be within 60 minutes of time rainfall began).*			
Color:	☐Clear	☐Red	☐Yellow ☐Brown	☐Other:
Odor:	☐None	☐Musty	☐Sewage ☐Rotten Egg	☐Other:
Clarity:	☐Clear	☐Cloudy	☐Opaque ☐Suspended Solids	☐Other:
Floatables:	☐None	☐Foam	☐Garbage ☐Oily Sheen	☐Other:
Deposits/Stains:	☐None	☐Oily	☐Sludge ☐Sediments	☐Other
Comments (*include possible causes of any contamination noted and possible BMPs to control*): No discharge to Infiltration basin the upstream sed. basin.				

Outfall SW-4: Infiltration basin	Time of Observation: 11 : 48 (am) pm *(Must be within 60 minutes of time rainfall began).*			
Color:	☐Clear	☐Red	☐Yellow ☐Brown	☑Other: Red/Tan turbidity
Odor:	☑None	☐Musty	☐Sewage ☐Rotten Egg	☐Other:
Clarity:	☐Clear	☑Cloudy	☐Opaque ☐Suspended Solids	☐Other:
Floatables:	☐None	☑Foam	☐Garbage ☐Oily Sheen	☑Other:
Deposits/Stains:	☐None	☐Oily	☐Sludge ☑Sediments	☐Other
Comments (*include possible causes of any contamination noted and possible BMPs to control*): some floating debris includes, grass, small woody matter.				

ATTACHMENT B2 (CONTINUED)
Quarterly Wet Weather Outfall Inspection Form
Advanced Disposal Services Seven Mile Creek Landfill

Outfall SW-5: Infiltration basin	Time of Observation: 11 : 22 (am) pm *(Must be within 60 minutes of time rainfall began).*	
Color:	☐Clear ☐Red ☐Yellow ☐Brown	☐Other:
Odor:	☐None ☐Musty ☐Sewage ☐Rotten Egg	☐Other:
Clarity:	☐Clear ☐Cloudy ☐Opaque ☐Suspended Solids	☐Other:
Floatables:	☐None ☐Foam ☐Garbage ☐Oily Sheen	☐Other:
Deposits/Stains:	☐None ☐Oily ☐Sludge ☐Sediments	☐Other
Comments (*include possible causes of any contamination noted and possible BMPs to control*): Insufficient Precipitation to cause discharge to SW-5.		

Outfall SW-6: Inlet of Southwest Sedimentation Basin discharge structure riser pipe	Time of Observation: 11 : 43 (am) pm *(Must be within 60 minutes of time rainfall began).*	
Color:	☐Clear ☐Red ☐Yellow ☐Brown	☐Other:
Odor:	☐None ☐Musty ☐Sewage ☐Rotten Egg	☐Other:
Clarity:	☐Clear ☐Cloudy ☐Opaque ☐Suspended Solids	☐Other:
Floatables:	☐None ☐Foam ☐Garbage ☐Oily Sheen	☐Other:
Deposits/Stains:	☐None ☐Oily ☐Sludge ☐Sediments	☐Other
Comments (*include possible causes of any contamination noted and possible BMPs to control*): Insufficient discharge (Precip) to cause discharge from Closed Section 1 Cap.		

Outfall SW-7 Temp: Temporary outfall for partially constructed northeast infiltration, to be replaced by Outfall 7	Time of Observation: 11 : 31 (am) pm *(Must be within 60 minutes of time rainfall began).*	
Color:	☑Clear ☐Red ☐Yellow ☐Brown	☐Other:
Odor:	☑None ☐Musty ☐Sewage ☐Rotten Egg	☐Other:
Clarity:	☐Clear ☑Cloudy ☐Opaque ☐Suspended Solids	☐Other:
Floatables:	☑None ☐Foam ☐Garbage ☐Oily Sheen	☐Other:
Deposits/Stains:	☐None ☐Oily ☐Sludge ☑Sediments	☐Other
Comments (*include possible causes of any contamination noted and possible BMPs to control*):		

ATTACHMENT B2 (CONTINUED)
Quarterly Wet Weather Outfall Inspection Form
Advanced Disposal Services Seven Mile Creek Landfill

Outfall SW-7: Discharge end of culvert inlet to Northeast Sedimentation Basin	Time of Observation: __ : __ am pm *(Must be within 60 minutes of time rainfall began).*
Color:	☐Clear ☐Red ☐Yellow ☐Brown ☐Other:
Odor:	☐None ☐Musty ☐Sewage ☐Rotten Egg ☐Other:
Clarity:	☐Clear ☐Cloudy ☐Opaque ☐Suspended Solids ☐Other:
Floatables:	☐None ☐Foam ☐Garbage ☐Oily Sheen ☐Other:
Deposits/Stains:	☐None ☐Oily ☐Sludge ☐Sediments ☐Other
Comments (*include possible causes of any contamination noted and possible BMPs to control*): Not constructed	

Outfall SW-8: Infiltration basin	Time of Observation: 11 : 28 (am) pm *(Must be within 60 minutes of time rainfall began).*
Color:	☐Clear ☐Red ☐Yellow ☑Brown ☑Other: Brown/turbid
Odor:	☑None ☐Musty ☐Sewage ☐Rotten Egg ☐Other:
Clarity:	☐Clear ☑Cloudy ☐Opaque ☐Suspended Solids ☐Other:
Floatables:	☑None ☐Foam ☐Garbage ☐Oily Sheen ☐Other:
Deposits/Stains:	☐None ☐Oily ☐Sludge ☑Sediments ☐Other
Comments (*include possible causes of any contamination noted and possible BMPs to control*):	

Other Comments/Observations:
(Please note any additional comments/observations regarding source areas and associated BMPs described in Section 3.0 that require follow-up or improvement)

ATTACHMENT B2 (CONTINUED)
Quarterly Wet Weather Outfall Inspection Form
Advanced Disposal Services Seven Mile Creek Landfill

The following outfalls could not be evaluated during this quarter due to the following reason(s):	
☐ Extended Drought	Outfall(s):
☐ Dangerous Weather	Outfall(s):
☐ Extended Freeze	Outfall(s):
☐ Storms did not occur during normal business hours	Outfall(s):
☑ Other (comment below)	Outfall(s): 1, 3, 5, 6

Other reasons outfall(s) could not be evaluated this quarter:

Insufficient Precip to cause runnoff into these Structures.

ATTACHMENT B1
Quarterly Site Inspection Form
Advanced Disposal Services Seven Mile Creek Landfill

Location: Advanced Disposal Services Seven Mile Creek Landfill Eau Claire, Wisconsin	Inspector (print name): Mark W. Vinal
Date: 9/29/17	Signature: [signature]
Time: 4:00 pm	Weather at time of inspection: ☑ Clear ☐ Cloudy ☐ Rain ☐ Sleet ☐ Fog ☐ Snow ☐ High Winds ☐ Other: Temperature: 63°F
Have any previously unidentified discharges of pollutants occurred since the last inspection? ☐ Yes ☑ No If yes, describe:	
Are there any discharges occurring at the time of inspection? ☐ Yes ☑ No If yes, describe:	

SWPPP and Site Map: Have a copy of the SWPPP and site map with you during the inspection so that you can ensure they are current and accurate. Use it as an aide in recording the location of any issues you identify during the inspection.		**Findings and Remedial Action Documentation:** Describe any findings below and the schedule for remedial action completion including the date initiated and date completed or expected to be completed.
• Is the Site Map current and accurate?	(Yes) / No	
• Is the SWPPP inventory of activities, materials, and products current?	Yes / (No)	need to modify by removing 280 gallon portable poly tank 18'd and tank #No. 2

ATTACHMENT B1 (CONTINUED)
Quarterly Site Inspection Form
Advanced Disposal Services Seven Mile Creek Landfill

Source Area BMPs	Observation	If No, New/Additional BMP Required?	Notes, Repairs, Actions Taken
Landfill Operations			
• Is storm water in contact with daily cover or waste being routed to the leachate collection system?	(Y) / N / NA	Y / N / NA	
• Are diversion structures diverting storm water that has not come into contact with waste from active landfill areas?	(Y) / N / NA	Y / N / NA	
• Are landfill operations being performed in accordance with the Plan of Operation?	(Y) / N / NA	Y / N / NA	
• Final cover and intermediate cover in good condition?	Y / (N) / NA	Y / N / NA	We are repairing West face of phase II. Adding cover to high elevations.
• Are diversion berms, downslope flumes, perimeter ditches and/or other storm water features in good condition?	Y / (N) / NA	Y / N / NA	Need to clean out south ditch and infiltration berms.
Site Construction Events			
• Are erosion control practices (e.g., silt fence) in place?	(Y) / N / NA	Y / N / NA	
• Are erosion control practices in good condition?	(Y) / N / NA	Y / N / NA	
• Are there signs of sediment entering wetlands, waterbodies or discharging off-site?	Y / (N) / NA	Y / N / NA	
• Is the construction area free of debris?	(Y) / N / NA	Y / N / NA	

ATTACHMENT B1 (CONTINUED)
Quarterly Site Inspection Form
Advanced Disposal Services Seven Mile Creek Landfill

Source Area/BMPs	Observation	If No, New/Additional BMP Required?	Notes, Repairs, Actions Taken
• Are inactive stockpiles vegetated and/or have erosion control BMPs in place?	Y / (N) / NA	Y / N / NA	Still need to regrade South sand pile and seed.
• Is sediment tracked onto public streets being cleaned daily?	(Y) / N / NA	Y / N / NA	
• Are chemical liquids and fluids covered from precipitation?	(Y) / N / NA	Y / N / NA	
Good Housekeeping BMPs:			
• Are containers in good condition?	(Y) / N / NA	Y / N / NA	
• Are containers labeled?	(Y) / N / NA	Y / N / NA	
• Is the non-landfill areas free of debris?	(Y) / N / NA	Y / N / NA	
Equipment Maintenance Area/Maintenance Shop			
• Are maintenance tools, equipment, and materials stored indoors?	(Y) / N / NA	Y / N / NA	
• Are maintenance activities occurring indoors?	(Y) / N / NA	Y / N / NA	
• Are all drums and containers of fluids stored with proper cover and containment?	(Y) / N / NA	Y / N / NA	
• Are the vehicles and/or equipment maintained to be leak-free? If no, identify leaking equipment.	(Y) / N / NA	Y / N / NA	

ATTACHMENT B1 (CONTINUED)
Quarterly Site Inspection Form
Advanced Disposal Services Seven Mile Creek Landfill

Source Area/BMPs	Observation	If No, New/Additional BMP Required?	Notes, Repairs, Actions Taken
• Is the site area clear of any evidence of leaks or spills since last inspection? If not, identify and address.	Y / N / NA	Y / N / NA	
• Are materials, equipment, and activities located so that leaks are contained in existing containment and diversion systems (confine the storage of leaky or leak-prone vehicles and equipment awaiting maintenance to protected areas)?	Y / N / NA	Y / N / NA	
Outdoor Storage Areas:			
• Are waste storage containers in good condition (no holes, leaks, non-functioning seals)?	Y / N / NA	Y / N / NA	
• Are outdoor storage containers covered?	Y / N / NA	Y / N / NA	
• Are containers being emptied before they become too full?	Y / N / NA	Y / N / NA	
• Are the storage area and its surroundings free of litter/debris?	Y / N / NA	Y / N / NA	
• Is the storage container and surrounding area clear of any signs of contamination (e.g., stained soil)?	Y / N / NA	Y / N / NA	
On-Site Fueling Area			
• Are the tank and dispensing equipment free of apparent leaks?	Y / N / NA	Y / N / NA	

ATTACHMENT B1 (CONTINUED)
Quarterly Site Inspection Form
Advanced Disposal Services Seven Mile Creek Landfill

Source Area/BMPs	Observation	If No, New/Additional BMP Required?	Notes, Repairs, Actions Taken
• Is the fueling occurring within the landfill limits?	(Y) / N / NA	Y / N / NA	
Vehicular Traffic and Parking:			
• Are access road and parking areas in good condition (no signs of erosion or damage)?	(Y) / N / NA	Y / N / NA	
• Are traffic and parking areas clear of any signs of contamination/spills?	(Y) / N / NA	Y / N / NA	
• Are paved surfaces free of accumulated dust/sediment and debris?	(Y) / N / NA	Y / N / NA	
• Is dust generation due to traffic flow levels limited to minimal levels? If no, are steps being taken to reduce dust?	(Y) / N / NA	Y / N / NA	
Composting Operations			
• Are stockpiles free of signs of erosion? If no, implement control measures (e.g., stone ditch checks, silt fence, diversion structures).	(Y) / N / NA	Y / N / NA	
• Is dust adequately controlled?	(Y) / N / NA	Y / N / NA	
• Is runon being diverted from the operation?	(Y) / N / NA	Y / N / NA	
• Are compositing operations being performed in accordance with the facility license?	(Y) / N / NA	Y / N / NA	

ATTACHMENT B1 (CONTINUED)
Quarterly Site Inspection Form
Advanced Disposal Services Seven Mile Creek Landfill

Source Area/BMPs	Observation	If No, New/Additional BMP Required?	Notes, Repairs, Actions Taken
• Is vegetation maintained in discharge areas?	(Y)/ N / NA	Y / N / NA	
• Is the compost area free of ponding?	(Y)/ N / NA	Y / N / NA	
• Are materials being stored within the compost pad limits?	(Y)/ N / NA	Y / N / NA	
Storm Water Treatment BMPs			
• Are the sedimentation basins and infiltration basins functioning properly?	(Y)/ N / NA	Y / N / NA	
• Are embankments in good condition (no erosion, animal burrows, woody vegetation)?	(Y)/ N / NA	Y / N / NA	
• Are the basins free from signs of contamination (litter, sheen, color)?	(Y)/ N / NA	Y / N / NA	
• Are the basin depths still adequate everywhere, not compromised by sediment buildup? (If sediment removal needed, note where.)	(Y)/ N / NA	Y / N / NA	
• Are the basins free of debris?	(Y)/ N / NA	Y / N / NA	
• Are diversion berms, downslope flumes, energy dissipaters, perimeter ditches and culverts used to divert and direct discharges adequate and in good condition?	(Y)/ N / NA	Y / N / NA	
Leachate Storage and Transfer Operations:			
• Are the tank and dispensing equipment free of apparent leaks?	(Y)/ N / NA	Y / N / NA	

ATTACHMENT B1 (CONTINUED)
Quarterly Site Inspection Form
Advanced Disposal Services Seven Mile Creek Landfill

Source Area/BMPs	Observation	If No, New/Additional BMP Required?	Notes, Repairs, Actions Taken
• Is the loadout pad area clear of any signs of spills or leaks?	Y / N / NA	Y / N / NA	
• Does the secondary containment area free of standing liquid?	Y / N / NA	Y / N / NA	
• Are the secondary containment structure and loadout pad free of cracks?	Y / N / NA	Y / N / NA	
Bare Soil Areas:			
• Is the site is free of eroded or bare soil areas that discharge off site?	Y / N / NA	Y / N / NA	

CORRECTIVE ACTION AND SWPPP MODIFICATIONS DESCRIPTIONS: Additional space to describe inspection findings and corrective actions if needed. Provide brief explanation of the general location and the rationale for the additional or different BMPs.

ATTACHMENT B2
Quarterly Wet Weather Outfall Inspection Form
Advanced Disposal Services Seven Mile Creek Landfill

This form should be kept as part of your Storm Water Pollution Prevention Plan. It does not have to be submitted to the Wisconsin Department of Natural Resources unless requested.

Quarterly visual inspections at each storm water discharge outfall should be performed when sufficient runoff occurs during daylight hours. Try to make observations within the first 30 minutes after runoff begins discharging from the outfall or as soon as practical, but no later than 60 minutes. If you find visible pollution, note the probable source and list any possible Best Management Practices that could be used to reduce or eliminate the problem.

Advanced Disposal Services Seven Mile Creek Landfill 8001 Olson Drive Eau Claire, Wisconsin 54703	Date of Inspection: 9 / 26 / 20 17
Quarter (circle): **1** (Jan-Mar) **2** (Apr-Jun) **3** (Jul-Sep) **4** (Oct-Dec)	
Time Rainfall Began: 8 : 45 am pm	
Name of Inspector (print): Mark W. Vinall	
Signature:	

See **Figure 2** and **Section 2.1** for outfall locations, drainage areas, and potential sources of pollution.

Outfall SW-1: Discharge end of East Sedimentation Basin outlet structure discharge pipe	Time of Observation: 9 : 49 am pm *(Must be within 60 minutes of time rainfall began).*
Color: ☑Clear ☐Red ☐Yellow ☐Brown ☐Other:	
Odor: ☑None ☐Musty ☐Sewage ☐Rotten Egg ☐Other:	
Clarity: ☐Clear ☑Cloudy ☐Opaque ☐Suspended Solids ☐Other:	
Floatables: ☑None ☐Foam ☐Garbage ☐Oily Sheen ☐Other:	
Deposits/Stains: ☐None ☐Oily ☐Sludge ☑Sediments ☐Other	
Comments (*include possible causes of any contamination noted and possible BMPs to control*): No discharge noted!	

ATTACHMENT B2 (CONTINUED)
Quarterly Wet Weather Outfall Inspection Form
Advanced Disposal Services Seven Mile Creek Landfill

Outfall SW-2: Inlet of South Sedimentation Basin discharge structure riser pipe	Time of Observation: 9 : 30 (am) pm *(Must be within 60 minutes of time rainfall began).*
Color:	☑Clear ☐Red ☐Yellow ☐Brown ☐Other:
Odor:	☑None ☐Musty ☐Sewage ☐Rotten Egg ☐Other:
Clarity:	☐Clear ☑Cloudy ☐Opaque ☐Suspended Solids ☐Other:
Floatables:	☑None ☐Foam ☐Garbage ☐Oily Sheen ☐Other:
Deposits/Stains:	☑None ☐Oily ☐Sludge ☐Sediments ☐Other
Comments (*include possible causes of any contamination noted and possible BMPs to control*):	

Outfall SW-3: Infiltration basin	Time of Observation: 9 : 52 (am) pm *(Must be within 60 minutes of time rainfall began).*
Color:	☐Clear ☐Red ☐Yellow ☐Brown ☐Other:
Odor:	☐None ☐Musty ☐Sewage ☐Rotten Egg ☐Other:
Clarity:	☐Clear ☐Cloudy ☐Opaque ☐Suspended Solids ☐Other:
Floatables:	☐None ☐Foam ☐Garbage ☐Oily Sheen ☐Other:
Deposits/Stains:	☐None ☐Oily ☐Sludge ☐Sediments ☐Other
Comments (*include possible causes of any contamination noted and possible BMPs to control*): No discharge observed	

Outfall SW-4: Infiltration basin	Time of Observation: 9 : 46 (am) pm *(Must be within 60 minutes of time rainfall began).*
Color:	☐Clear ☐Red ☐Yellow ☐Brown ☑Other: Red/Tan Turbidity
Odor:	☑None ☐Musty ☐Sewage ☐Rotten Egg ☐Other:
Clarity:	☐Clear ☑Cloudy ☐Opaque ☐Suspended Solids ☐Other:
Floatables:	☐None ☑Foam ☐Garbage ☐Oily Sheen ☑Other:
Deposits/Stains:	☐None ☐Oily ☐Sludge ☑Sediments ☐Other
Comments (*include possible causes of any contamination noted and possible BMPs to control*): some floaty woody matter	

ATTACHMENT B2 (CONTINUED)
Quarterly Wet Weather Outfall Inspection Form
Advanced Disposal Services Seven Mile Creek Landfill

Outfall SW-5: Infiltration basin	Time of Observation: 9 : 05 (am) pm *(Must be within 60 minutes of time rainfall began).*
Color:	☐Clear ☐Red ☐Yellow ☐Brown ☐Other:
Odor:	☐None ☐Musty ☐Sewage ☐Rotten Egg ☐Other:
Clarity:	☐Clear ☐Cloudy ☐Opaque ☐Suspended Solids ☐Other:
Floatables:	☐None ☐Foam ☐Garbage ☐Oily Sheen ☐Other:
Deposits/Stains:	☐None ☐Oily ☐Sludge ☐Sediments ☐Other
Comments (*include possible causes of any contamination noted and possible BMPs to control*): No discharge here. Not enough precip.	

Outfall SW-6: Inlet of Southwest Sedimentation Basin discharge structure riser pipe	Time of Observation: 9 : 35 (am) pm *(Must be within 60 minutes of time rainfall began).*
Color:	☐Clear ☐Red ☐Yellow ☐Brown ☐Other:
Odor:	☐None ☐Musty ☐Sewage ☐Rotten Egg ☐Other:
Clarity:	☐Clear ☐Cloudy ☐Opaque ☐Suspended Solids ☐Other:
Floatables:	☐None ☐Foam ☐Garbage ☐Oily Sheen ☐Other:
Deposits/Stains:	☐None ☐Oily ☐Sludge ☐Sediments ☐Other
Comments (*include possible causes of any contamination noted and possible BMPs to control*): No discharge noted here.	

Outfall SW-7 Temp: Temporary outfall for partially constructed northeast infiltration, to be replaced by Outfall 7	Time of Observation: 9 : 24 (am) pm *(Must be within 60 minutes of time rainfall began).*
Color:	☑Clear ☐Red ☐Yellow ☐Brown ☐Other:
Odor:	☑None ☐Musty ☐Sewage ☐Rotten Egg ☐Other:
Clarity:	☐Clear ☑Cloudy ☐Opaque ☐Suspended Solids ☐Other:
Floatables:	☑None ☐Foam ☐Garbage ☐Oily Sheen ☐Other:
Deposits/Stains:	☐None ☐Oily ☐Sludge ☑Sediments ☐Other
Comments (*include possible causes of any contamination noted and possible BMPs to control*):	

ATTACHMENT B2 (CONTINUED)
Quarterly Wet Weather Outfall Inspection Form
Advanced Disposal Services Seven Mile Creek Landfill

Outfall SW-7: Discharge end of culvert inlet to Northeast Sedimentation Basin	Time of Observation: __ : __ am pm *(Must be within 60 minutes of time rainfall began).*
Color:	☐Clear ☐Red ☐Yellow ☐Brown ☐Other:
Odor:	☐None ☐Musty ☐Sewage ☐Rotten Egg ☐Other:
Clarity:	☐Clear ☐Cloudy ☐Opaque ☐Suspended Solids ☐Other:
Floatables:	☐None ☐Foam ☐Garbage ☐Oily Sheen ☐Other:
Deposits/Stains:	☐None ☐Oily ☐Sludge ☐Sediments ☐Other
Comments (*include possible causes of any contamination noted and possible BMPs to control*): Not Constructed	

Outfall SW-8: Infiltration basin	Time of Observation: 9 : 20 am pm *(Must be within 60 minutes of time rainfall began).*
Color:	☐Clear ☐Red ☐Yellow ☑Brown ☑Other: Brown/Turbid
Odor:	☑None ☐Musty ☐Sewage ☐Rotten Egg ☐Other:
Clarity:	☐Clear ☑Cloudy ☐Opaque ☐Suspended Solids ☐Other:
Floatables:	☑None ☐Foam ☐Garbage ☐Oily Sheen ☐Other:
Deposits/Stains:	☐None ☐Oily ☐Sludge ☑Sediments ☐Other
Comments (*include possible causes of any contamination noted and possible BMPs to control*):	

Other Comments/Observations:
(Please note any additional comments/observations regarding source areas and associated BMPs described in Section 3.0 that require follow-up or improvement)

ATTACHMENT B2 (CONTINUED)
Quarterly Wet Weather Outfall Inspection Form
Advanced Disposal Services Seven Mile Creek Landfill

The following outfalls could not be evaluated during this quarter due to the following reason(s):	
☐ Extended Drought	Outfall(s):
☐ Dangerous Weather	Outfall(s):
☐ Extended Freeze	Outfall(s):
☐ Storms did not occur during normal business hours	Outfall(s):
☒ Other (comment below)	Outfall(s): 1, 3, 5, 6
Other reasons outfall(s) could not be evaluated this quarter: insufficient precipitation to cause runoff at these locations.	

ATTACHMENT B1
Quarterly Site Inspection Form
Advanced Disposal Services Seven Mile Creek Landfill

Location: Advanced Disposal Services Seven Mile Creek Landfill Eau Claire, Wisconsin	Inspector (print name): Mark W. Vinall
Date: 11/29/17	Signature:
Time: 3=30	Weather at time of inspection: ☑ Clear ☐ Cloudy ☐ Rain ☐ Sleet ☐ Fog ☐ Snow ☒ High Winds ☐ Other: Temperature: 40°F
Have any previously unidentified discharges of pollutants occurred since the last inspection? ☐Yes ☑No If yes, describe:	
Are there any discharges occurring at the time of inspection? ☐Yes ☑No If yes, describe:	

SWPPP and Site Map: Have a copy of the SWPPP and site map with you during the inspection so that you can ensure they are current and accurate. Use it as an aide in recording the location of any issues you identify during the inspection.		**Findings and Remedial Action Documentation:** Describe any findings below and the schedule for remedial action completion including the date initiated and date completed or expected to be completed.
• Is the Site Map current and accurate?	(Yes) / No	
• Is the SWPPP inventory of activities, materials, and products current?	Yes / (No)	Need to remove 280 gallon portable poly tank #2

ATTACHMENT B1 (CONTINUED)
Quarterly Site Inspection Form
Advanced Disposal Services Seven Mile Creek Landfill

Source Area/BMPs	Observation	If No, New/Additional BMP Required?	Notes, Repairs, Actions Taken
Landfill Operations			
• Is storm water in contact with daily cover or waste being routed to the leachate collection system?	(Y) / N / NA	Y / N / NA	
• Are diversion structures diverting storm water that has not come into contact with waste from active landfill areas?	(Y) / N / NA	Y / N / NA	
• Are landfill operations being performed in accordance with the Plan of Operation?	(Y) / N / NA	Y / N / NA	
• Final cover and intermediate cover in good condition?	Y / (N) / NA	Y / N / NA	Intermediate cover is freshly seeded on west face phase II.
• Are diversion berms, downslope flumes, perimeter ditches and/or other storm water features in good condition?	Y / (N) / NA	Y / N / NA	Need to clean out south seed basin and infiltration basin.
Site Construction Events			
• Are erosion control practices (e.g., silt fence) in place?	(Y) / N / NA	Y / N / NA	
• Are erosion control practices in good condition?	(Y) / N / NA	Y / N / NA	
• Are there signs of sediment entering wetlands, waterbodies or discharging off-site?	Y / (N) / NA	Y / N / NA	
• Is the construction area free of debris?	(Y) / N / NA	Y / N / NA	

ATTACHMENT B1 (CONTINUED)
Quarterly Site Inspection Form
Advanced Disposal Services Seven Mile Creek Landfill

Source Area/BMPs	Observation	If No, New/Additional BMP Required?	Notes, Repairs, Actions Taken
• Are inactive stockpiles vegetated and/or have erosion control BMPs in place?	Y / N / NA	Y / N / NA	re-grade and seed south stockpile.
• Is sediment tracked onto public streets being cleaned daily?	Y / N / NA	Y / N / NA	
• Are chemical liquids and fluids covered from precipitation?	Y / N / NA	Y / N / NA	
Good Housekeeping BMPs:			
• Are containers in good condition?	Y / N / NA	Y / N / NA	
• Are containers labeled?	Y / N / NA	Y / N / NA	
• Is the non-landfill areas free of debris?	Y / N / NA	Y / N / NA	
Equipment Maintenance Area/Maintenance Shop			
• Are maintenance tools, equipment, and materials stored indoors?	Y / N / NA	Y / N / NA	
• Are maintenance activities occurring indoors?	Y / N / NA	Y / N / NA	
• Are all drums and containers of fluids stored with proper cover and containment?	Y / N / NA	Y / N / NA	
• Are the vehicles and/or equipment maintained to be leak-free? If no, identify leaking equipment.	Y / N / NA	Y / N / NA	

ATTACHMENT B1 (CONTINUED)
Quarterly Site Inspection Form
Advanced Disposal Services Seven Mile Creek Landfill

Source Area/BMPs	Observation	If No, New/Additional BMP Required?	Notes, Repairs, Actions Taken
• Is the site area clear of any evidence of leaks or spills since last inspection? If not, identify and address.	(Y) / N / NA	Y / N / NA	
• Are materials, equipment, and activities located so that leaks are contained in existing containment and diversion systems (confine the storage of leaky or leak-prone vehicles and equipment awaiting maintenance to protected areas)?	(Y) / N / NA	Y / N / NA	
Outdoor Storage Areas:			
• Are waste storage containers in good condition (no holes, leaks, non-functioning seals)?	(Y) / N / NA	Y / N / NA	
• Are outdoor storage containers covered?	(Y) / N / NA	Y / N / NA	
• Are containers being emptied before they become too full?	(Y) / N / NA	Y / N / NA	
• Are the storage area and its surroundings free of litter/debris?	(Y) / N / NA	Y / N / NA	
• Is the storage container and surrounding area clear of any signs of contamination (e.g., stained soil)?	(Y) / N / NA	Y / N / NA	
On-Site Fueling Area			
• Are the tank and dispensing equipment free of apparent leaks?	(Y) / N / NA	Y / N / NA	

ATTACHMENT B1 (CONTINUED)
Quarterly Site Inspection Form
Advanced Disposal Services Seven Mile Creek Landfill

Source Area/BMPs	Observation	If No, New/Additional BMP Required?	Notes, Repairs, Actions Taken
• Is the fueling occurring within the landfill limits?	(Y)/ N / NA	Y / N / NA	
Vehicular Traffic and Parking:			
• Are access road and parking areas in good condition (no signs of erosion or damage)?	(Y)/ N / NA	Y / N / NA	
• Are traffic and parking areas clear of any signs of contamination/spills?	(Y)/ N / NA	Y / N / NA	
• Are paved surfaces free of accumulated dust/sediment and debris?	(Y)/ N / NA	Y / N / NA	
• Is dust generation due to traffic flow levels limited to minimal levels? If no, are steps being taken to reduce dust?	(Y)/ N / NA	Y / N / NA	
Composting Operations			
• Are stockpiles free of signs of erosion? If no, implement control measures (e.g., stone ditch checks, silt fence, diversion structures).	(Y)/ N / NA	Y / N / NA	
• Is dust adequately controlled?	(Y)/ N / NA	Y / N / NA	
• Is runon being diverted from the operation?	(Y)/ N / NA	Y / N / NA	
• Are compositing operations being performed in accordance with the facility license?	(Y)/ N / NA	Y / N / NA	

ATTACHMENT B1 (CONTINUED)
Quarterly Site Inspection Form
Advanced Disposal Services Seven Mile Creek Landfill

Source Area/BMPs	Observation	If No, New/Additional BMP Required?	Notes, Repairs, Actions Taken
• Is vegetation maintained in discharge areas?	(Y)/ N / NA	Y / N / NA	
• Is the compost area free of ponding?	(Y)/ N / NA	Y / N / NA	
• Are materials being stored within the compost pad limits?	(Y)/ N / NA	Y / N / NA	
Storm Water Treatment BMPs			
• Are the sedimentation basins and infiltration basins functioning properly?	(Y)/ N / NA	Y / N / NA	
• Are embankments in good condition (no erosion, animal burrows, woody vegetation)?	(Y)/ N / NA	Y / N / NA	
• Are the basins free from signs of contamination (litter, sheen, color)?	(Y)/ N / NA	Y / N / NA	
• Are the basin depths still adequate everywhere, not compromised by sediment buildup? (If sediment removal needed, note where.)	(Y) N / NA	Y / N / NA	
• Are the basins free of debris?	(Y)/ N / NA	Y / N / NA	
• Are diversion berms, downslope flumes, energy dissipaters, perimeter ditches and culverts used to divert and direct discharges adequate and in good condition?	(Y)/ N / NA	Y / N / NA	
Leachate Storage and Transfer Operations:			
• Are the tank and dispensing equipment free of apparent leaks?	(Y)/ N / NA	Y / N / NA	

ATTACHMENT B1 (CONTINUED)
Quarterly Site Inspection Form
Advanced Disposal Services Seven Mile Creek Landfill

Source Area/BMPs	Observation	If No, New/Additional BMP Required?	Notes, Repairs, Actions Taken
• Is the loadout pad area clear of any signs of spills or leaks?	Y / N / NA	Y / N / NA	
• Does the secondary containment area free of standing liquid?	Y / N / NA	Y / N / NA	
• Are the secondary containment structure and loadout pad free of cracks?	Y / N / NA	Y / N / NA	
Bare Soil Areas:			
• Is the site is free of eroded or bare soil areas that discharge off site?	Y / N / NA	Y / N / NA	

CORRECTIVE ACTION AND SWPPP MODIFICATIONS DESCRIPTIONS: Additional space to describe inspection findings and corrective actions if needed. Provide brief explanation of the general location and the rationale for the additional or different BMPs.

ATTACHMENT B2
Quarterly Wet Weather Outfall Inspection Form
Advanced Disposal Services Seven Mile Creek Landfill

This form should be kept as part of your Storm Water Pollution Prevention Plan. It does not have to be submitted to the Wisconsin Department of Natural Resources unless requested.

Quarterly visual inspections at each storm water discharge outfall should be performed when sufficient runoff occurs during daylight hours. Try to make observations within the first 30 minutes after runoff begins discharging from the outfall or as soon as practical, but no later than 60 minutes. If you find visible pollution, note the probable source and list any possible Best Management Practices that could be used to reduce or eliminate the problem.

Advanced Disposal Services Seven Mile Creek Landfill 8001 Olson Drive Eau Claire, Wisconsin 54703	Date of Inspection: 12/ 4 / 2017
Quarter (circle): **1** (Jan-Mar) **2** (Apr-Jun) **3** (Jul-Sep) **4** (Oct-Dec)	
Time Rainfall Began: 10:30: ____ am pm	
Name of Inspector (print): Mark W. Vinall	
Signature:	

See **Figure 2** and **Section 2.1** for outfall locations, drainage areas, and potential sources of pollution.

Outfall SW-1: Discharge end of East Sedimentation Basin outlet structure discharge pipe	Time of Observation: 11 :00 am pm *(Must be within 60 minutes of time rainfall began).*
Color: ☐Clear ☐Red ☐Yellow ☐Brown ☐Other:	
Odor: ☐None ☐Musty ☐Sewage ☐Rotten Egg ☐Other:	
Clarity: ☐Clear ☐Cloudy ☐Opaque ☐Suspended Solids ☐Other:	
Floatables: ☐None ☐Foam ☐Garbage ☐Oily Sheen ☐Other:	
Deposits/Stains: ☐None ☐Oily ☐Sludge ☐Sediments ☐Other	
Comments (*include possible causes of any contamination noted and possible BMPs to control*): No discharge noted	

ATTACHMENT B2 (CONTINUED)
Quarterly Wet Weather Outfall Inspection Form
Advanced Disposal Services Seven Mile Creek Landfill

Outfall SW-2: Inlet of South Sedimentation Basin discharge structure riser pipe	Time of Observation: 10 : 41 (am) pm *(Must be within 60 minutes of time rainfall began).*
Color:	☑Clear ☐Red ☐Yellow ☐Brown ☐Other:
Odor:	☑None ☐Musty ☐Sewage ☐Rotten Egg ☐Other:
Clarity:	☐Clear ☑Cloudy ☐Opaque ☐Suspended Solids ☐Other:
Floatables:	☑None ☐Foam ☐Garbage ☐Oily Sheen ☐Other:
Deposits/Stains:	☑None ☐Oily ☐Sludge ☐Sediments ☐Other
Comments (*include possible causes of any contamination noted and possible BMPs to control*):	

Outfall SW-3: Infiltration basin	Time of Observation: 11 : 05 (am) pm *(Must be within 60 minutes of time rainfall began).*
Color:	☐Clear ☐Red ☐Yellow ☐Brown ☐Other:
Odor:	☐None ☐Musty ☐Sewage ☐Rotten Egg ☐Other:
Clarity:	☐Clear ☐Cloudy ☐Opaque ☐Suspended Solids ☐Other:
Floatables:	☐None ☐Foam ☐Garbage ☐Oily Sheen ☐Other:
Deposits/Stains:	☐None ☐Oily ☐Sludge ☐Sediments ☐Other
Comments (*include possible causes of any contamination noted and possible BMPs to control*): No discharge observed	

Outfall SW-4: Infiltration basin	Time of Observation: 11 : 02 (am) pm *(Must be within 60 minutes of time rainfall began).*
Color:	☐Clear ☐Red ☐Yellow ☐Brown ☑Other: Tan turbidity
Odor:	☑None ☐Musty ☐Sewage ☐Rotten Egg ☐Other:
Clarity:	☐Clear ☑Cloudy ☐Opaque ☐Suspended Solids ☐Other:
Floatables:	☐None ☑Foam ☐Garbage ☐Oily Sheen ☑Other:
Deposits/Stains:	☐None ☐Oily ☐Sludge ☑Sediments ☐Other
Comments (*include possible causes of any contamination noted and possible BMPs to control*): some floating wood debris to clean out of basin.	

ATTACHMENT B2 (CONTINUED)
Quarterly Wet Weather Outfall Inspection Form
Advanced Disposal Services Seven Mile Creek Landfill

Outfall SW-5: Infiltration basin	Time of Observation: 11 : 15 am pm *(Must be within 60 minutes of time rainfall began).*
Color:	☐Clear ☐Red ☐Yellow ☐Brown ☐Other:
Odor:	☐None ☐Musty ☐Sewage ☐Rotten Egg ☐Other:
Clarity:	☐Clear ☐Cloudy ☐Opaque ☐Suspended Solids ☐Other:
Floatables:	☐None ☐Foam ☐Garbage ☐Oily Sheen ☐Other:
Deposits/Stains:	☐None ☐Oily ☐Sludge ☐Sediments ☐Other
Comments (*include possible causes of any contamination noted and possible BMPs to control*): No discharge	

Outfall SW-6: Inlet of Southwest Sedimentation Basin discharge structure riser pipe	Time of Observation: 11 : 18 am pm *(Must be within 60 minutes of time rainfall began).*
Color:	☐Clear ☐Red ☐Yellow ☐Brown ☐Other:
Odor:	☐None ☐Musty ☐Sewage ☐Rotten Egg ☐Other:
Clarity:	☐Clear ☐Cloudy ☐Opaque ☐Suspended Solids ☐Other:
Floatables:	☐None ☐Foam ☐Garbage ☐Oily Sheen ☐Other:
Deposits/Stains:	☐None ☐Oily ☐Sludge ☐Sediments ☐Other
Comments (*include possible causes of any contamination noted and possible BMPs to control*): no discharge	

Outfall SW-7 Temp: Temporary outfall for partially constructed northeast infiltration, to be replaced by Outfall 7	Time of Observation: 11 : 22 am pm *(Must be within 60 minutes of time rainfall began).*
Color:	☑Clear ☐Red ☐Yellow ☐Brown ☐Other:
Odor:	☑None ☐Musty ☐Sewage ☐Rotten Egg ☐Other:
Clarity:	☐Clear ☑Cloudy ☐Opaque ☐Suspended Solids ☐Other:
Floatables:	☑None ☐Foam ☐Garbage ☐Oily Sheen ☐Other:
Deposits/Stains:	☐None ☐Oily ☐Sludge ☑Sediments ☐Other
Comments (*include possible causes of any contamination noted and possible BMPs to control*):	

ATTACHMENT B2 (CONTINUED)
Quarterly Wet Weather Outfall Inspection Form
Advanced Disposal Services Seven Mile Creek Landfill

Outfall SW-7: Discharge end of culvert inlet to Northeast Sedimentation Basin	Time of Observation: __ : __ am pm *(Must be within 60 minutes of time rainfall began).*
Color:	☐Clear ☐Red ☐Yellow ☐Brown ☐Other:
Odor:	☐None ☐Musty ☐Sewage ☐Rotten Egg ☐Other:
Clarity:	☐Clear ☐Cloudy ☐Opaque ☐Suspended Solids ☐Other:
Floatables:	☐None ☐Foam ☐Garbage ☐Oily Sheen ☐Other:
Deposits/Stains:	☐None ☐Oily ☐Sludge ☐Sediments ☐Other
Comments (*include possible causes of any contamination noted and possible BMPs to control*): Not Constructed	

Outfall SW-8: Infiltration basin	Time of Observation: 10 : 38 am pm *(Must be within 60 minutes of time rainfall began).*
Color:	☐Clear ☐Red ☐Yellow ☑Brown ☑Other: brown turbid
Odor:	☑None ☐Musty ☐Sewage ☐Rotten Egg ☐Other:
Clarity:	☐Clear ☑Cloudy ☐Opaque ☐Suspended Solids ☐Other:
Floatables:	☑None ☐Foam ☐Garbage ☐Oily Sheen ☐Other:
Deposits/Stains:	☐None ☐Oily ☐Sludge ☑Sediments ☐Other
Comments (*include possible causes of any contamination noted and possible BMPs to control*):	

Other Comments/Observations:
(Please note any additional comments/observations regarding source areas and associated BMPs described in Section 3.0 that require follow-up or improvement)

ATTACHMENT B2 (CONTINUED)
Quarterly Wet Weather Outfall Inspection Form
Advanced Disposal Services Seven Mile Creek Landfill

The following outfalls could not be evaluated during this quarter due to the following reason(s):	
☐ Extended Drought	Outfall(s):
☐ Dangerous Weather	Outfall(s):
☐ Extended Freeze	Outfall(s):
☐ Storms did not occur during normal business hours	Outfall(s):
☐ Other (comment below)	Outfall(s): 1, 3, 5, 6
Other reasons outfall(s) could not be evaluated this quarter: not enough rain to cause run off.	

State of Wisconsin
Department of Natural Resources
dnr.wi.gov

Annual Facility Site Compliance Inspection Report (AFSCI)

For Storm Water Discharges Associated With Industrial Activity Under Wisconsin Pollutant Discharge Elimination System (WPDES) Permit

Form 3400-176 (R 5/14)

Notice: This form is authorized by s. NR 216.29(2), Wis. Adm. Code. Submittal of a completed form to the Department is mandatory for industrial facilities covered under a Tier 1 storm water general permit. Facilities covered under a Tier 1 permit are not required to submit AFSCI reports after submittal of the second AFSCI report, unless so directed by the Department. However, these inspections and quarterly visual inspections shall still be conducted and results shall be kept on site for Department inspection. Facilities covered under a Tier 2 storm water general, industry-specific general or individual permit shall keep the results of their AFSCI and quarterly visual inspections on site for Department inspection. Failure to comply with these regulations may result in fines up to $25,000 per day pursuant to s. 283.91, Wis. Stats.

Personally identifiable information on this form may be used for other water quality program purposes.

Please type or clearly print your answers to all questions.

Section I: Facility/Site Information

Facility/Site Name (As Appears on Permit Authorization): Advanced Disposal Services Seven Mile Creek Landfill, LLC	County: Eau Claire	
Location Address/Description (if different from mailing address below): 8001 Olson Drive	State: WI	ZIP Code: 54703
☒ City ○ Township ○ Village of Eau Claire	Facility Identification Number (FID) and/or FIN Number if known: FID 618045450 FIN	

Section II: Facility/Site Contact Person

Local Contact Person: Mark W. Vinall	Mailing Address (if different than site location address):	
Title: GM	Municipality (if different than above):	
Telephone (include area code): 715-858-9105	State: WI	ZIP Code (if different from above):
E-mail address or Website (if applicable):	Fax (include area code):	

Section III: Certification & Signature
(Person attesting to the accuracy and completeness of Annual Facility Site Compliance Inspection Report.)

This form must be signed by an official representative of the permitted facility in accordance with s. NR 216.22(7), Wis. Adm. Code. See instructions on page 4. If this form is not signed, or is found to be incomplete, it will be returned.

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Signature of Authorized Representative: [signature]	Telephone Number (include area code): 715-858-9105		
Type or Print Name: Mark W. Vinall	Company Name: Advanced Disposal Services		
Position Title: GM	Mailing Address: 8001 Olson Dr.		
Date Signed: [signature] 12/15/17	Municipality: Eau Claire	State: WI	ZIP Code: 54703

How to Use this Form:

The first level of storm water monitoring consists of a comprehensive annual facility site compliance inspection (AFSCI) to determine if your facility is operating in compliance with your Storm Water Pollution Prevention Plan (SWPPP). You should use the results of this inspection to determine the extent to which your SWPPP needs to be updated to prevent pollution from new source areas, as well as to correct any inadequacies that the plan may have in handling existing source areas. This first level of monitoring is addressed in Section IV of this Annual Report on page 2.

The second level of storm water monitoring consists of quarterly visual observations of storm water leaving the site during runoff events caused by snow-melt or rainfall. This is a practical, low cost tool for identifying obvious contamination of storm water discharges, and can also help identify which practices are ineffective. The goal of quarterly inspections is to obtain results from a set of four inspections that are distributed as evenly as possible throughout the year and which depict runoff quality during each of the four seasons. This second level of monitoring is addressed in Section V of this Annual Report on page 3.

Section IV: Annual Facility Site Compliance Inspection

The Annual Facility Site Compliance Inspection shall be adequate to verify that: your Storm Water Pollution Prevention Plan (SWPPP) remains current; potential pollution sources at your facility are identified; the facility site map and drainage map remain accurate; and that the Best Management Practices prescribed in your SWPPP are being implemented, properly operated, and adequately maintained.

Name of Person Conducting Inspection	Inspection Date
Mark W. Vinall	12/15/17
Employer	**Telephone Number**
Advanced Disposal Services	715-858-9105

Your inspection should start with a review of your written SWPPP kept at your facility. The SWPPP should be amended if, through these inspections, you find that the provisions in your SWPPP are ineffective in controlling contaminated storm water from being discharged from your facility.

1. Has your SWPPP been updated to include current Non-Storm Water Discharge Evaluation results?	☒ Yes	○ No	○ N/A
2. Has your SWPPP been amended for any new construction that would affect the site map or drainage conditions at the facility?	○ Yes	☒ No	○ N/A
3. Has your SWPPP been amended for any changes in facility operations that could be identified as new source areas for contamination of storm water?	○ Yes	☒ No	○ N/A
4. Are there any materials at the facility that are handled, stored, or disposed in a manner to allow exposure to storm water that are not currently addressed in your SWPPP?	○ Yes	☒ No	○ N/A
5. Are there any maintenance or material handling activities conducted outdoors that have not been addressed in your SWPPP?	○ Yes	☒ No	○ N/A
6. Are outside areas kept in a neat and orderly condition?	☒ Yes	○ No	○ N/A
7. Are regular housekeeping inspections made?	☒ Yes	○ No	○ N/A
8. Do you see spots, pools, puddles, or other traces of oils, grease, or other chemicals on the ground?	○ Yes	☒ No	○ N/A
9. Are particulates on the ground from industrial operations or processes being controlled?	☒ Yes	○ No	○ N/A
10. Do you see leaking equipment, pipes or containers?	○ Yes	☒ No	○ N/A
11. Do drips, spills, or leaks occur when materials are being transferred from one source to another?	○ Yes	☒ No	○ N/A
12. Are drips or leaks from equipment or machinery being controlled?	☒ Yes	○ No	○ N/A
13. Are cleanup procedures used for spilled solids?	☒ Yes	○ No	○ N/A
14. Are absorbent materials (floor dry, kitty litter, etc.) regularly used in certain areas to absorb spills?	○ Yes	○ No	☒ N/A
15. Can you find discoloration, residue, or corrosion on the roof or around vents or pipes that ventilate or drain work areas?	○ Yes	☒ No	○ N/A
16. Are Best Management Practices implemented to reduce or eliminate contamination of storm water from source areas at the facility?	☒ Yes	○ No	○ N/A
17. Are Best Management Practices adequately maintained?	☒ Yes	○ No	○ N/A
18. Are there significant changes to your SWPPP needed to correct plan inadequacies to effectively control a discharge of contaminated storm water from your facility?	○ Yes	☒ No	○ N/A

Comments:

Section V: Quarterly Visual Inspection Reports

Quarterly Visual Inspections at each storm water discharge outfall on your site can be a valuable assessment tool and are required by the Tier 1, Tier 2, and Nonmetallic Mining Industrial Storm Water General Permits. These inspections should be performed when sufficient runoff occurs during daylight hours. Try to make observations within the first 30 minutes after runoff begins discharging from the outfall or soon thereafter as practical, but no later than 60 minutes. If you find visible pollution, note the probable source and list any possible Best Management Practices that could be used to reduce or eliminate the problem. Make any necessary changes to your Storm Water Pollution Prevention Plan as needed. If you were unable to evaluate an outfall during a specific quarter, this should be indicated along with a reason as to why this could not be done.

	Date of Inspection			
Outfall Number	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter
1	3/28	6/22	9/26	12/4
2	3/28	6/22	9/26	12/4
3	3/28	6/22	9/26	12/4
4	3/28	6/22	9/26	12/4
5	3/28	6/22	9/26	12/4
6	3/28	6/22	9/26	12/4
7	3/28	6/22	9/26	12/4
8	3/28	6/22	9/26	12/4

Briefly summarize what you found when conducting your Quarterly Visual Inspections. (Include any observations of color, odor, turbidity, floating solids, foam, oil sheen, or any other indications of storm water pollution and the probable sources of any observed storm water contamination.)

Instructions

Section I: Facility/Site Information

Provide the name of the facility as it appears on the permit application or permit cover letter and location address. If known, provide the Facility Identification (FID) and/or FIN Number assigned by the WDNR.

Section II: Facility/Site Contact Person

Provide the local contact person information for the facility. The mailing address should be given for the facility contact person if it is different from the facility site location address information.

Section III: Certification & Signature

State Statutes provide for severe penalties for submitting false information on this AFSCI form. State regulations require this form be signed as follows:

1. For a corporation, by a principal executive officer of at least the level of Vice President, or a duly authorized representative having overall responsibility for the operation covered by this permit.
2. For a unit of government, a principal executive officer, a ranking elected official, or other duly authorized representative.
3. For a partnership, by a general partner; for a sole proprietorship, by the proprietor.
4. For a limited liability company, by member or manager.

Section IV: Annual Facility Site Compliance Inspection

Provide the name of the person conducting the inspection, inspection date, name of employer, and telephone number. Check the appropriate box for each of the listed questions and provide explanations in the comment box as needed.

Section V: Quarterly Visual Inspection Reports

Provide the outfall number in the table and the dates of each quarterly visual inspection. Summarize the findings of your visual inspections below the table. Attach additional sheets if needed.

Mailing Address

Unless otherwise directed, mail this completed form to the Wisconsin Department of Natural Resources (WDNR) office associated with the county of the facility site location as follows:

NORTHERN REGION (NOR)			
Ashland Barron Bayfield Burnett Douglas Florence	Forest Iron Langlade Lincoln Oneida Polk	Price Rusk Sawyer Taylor Vilas Washburn	WDNR Baldwin Service Center 890 Spruce Street Baldwin, WI 54002 715-684-2914 ext. 109
NORTHEAST REGION (NER)			
Brown Calumet Door Fond du Lac Green Lake Kewaunee	Manitowoc Marinette Marquette Menominee Oconto Outagamie	Shawano Waupaca Waushara Winnebago	WDNR Northeast Regional Headquarters 2984 Shawano Avenue Green Bay, WI 54313-6727 (920) 662-5100
WEST CENTRAL REGION (WCR)			
Adams Buffalo Chippewa Clark Crawford Dunn Eau Claire	Jackson Juneau La Crosse Marathon Monroe Pepin	Pierce Portage St. Croix Trempealeau Vernon Wood	WDNR Baldwin Service Center 890 Spruce Street Baldwin, WI 54002 715-684-2914 ext. 109
SOUTH CENTRAL REGION (SCR)			
Columbia Dane Dodge Grant	Green Iowa Jefferson LaFayette	Richland Rock Sauk	WDNR South Central Regional Headquarters 3911 Fish Hatchery Road Fitchburg, WI 53711 (608) 275-3266
SOUTHEAST REGION (SER)			
Kenosha Milwaukee Ozaukee	Racine Sheboygan Walworth	Washington Waukesha	WDNR Waukesha Service Center 141 N.W. Barstow Street, Room 180 Waukesha, WI 53188 (262) 574-2100

Advanced Disposal Services, Inc.

Seven Mile Creek Landfill

Monthly Landfill Inspection – Sector 1 or Sector 2 (circle)

Date: 1/31/17 Weather Conditions: Overcast / 0° Operator: Josh

Check Items Inspected;

- ☑ Landfill Cover Conditions (erosion, cracks, stressed vegetation)
- ☑ LFG Well/Wellhead Assemblies (leaking, deterioration, damage)
- ☑ Lift Station
- ☑ Leachate Tank / Piping
- ☑ Control Panels
- ☑ Secondary Containment
- ☑ Load Out Pad
- ☐ Other (please specify): _____

Issues: (Provide summary of issue and corrective action. Indicate location of issue on a map and attach to this form)

1. Issue Description/ Location: Winter Conditions / Snow Covered
2. Issue Description/ Location:
3. Issue Description/ Location:
4. Issue Description/ Location:
5. Issue Description/ Location:
6. Issue Description/ Location:
7. Issue Description/ Location:

Advanced Disposal Services, Inc.

Seven Mile Creek Landfill

Monthly Landfill Inspection – Sector 1 or Sector 2 (circle)

Date: 1/31/17 Weather Conditions: Overcast 10° Operator: Josh

Check Items Inspected;

- [x] Landfill Cover Conditions (erosion, cracks, stressed vegetation)
- [x] LFG Well/Wellhead Assemblies (leaking, deterioration, damage)
- [x] Lift Station
- [x] Leachate Tank / Piping
- [x] Control Panels
- [x] Secondary Containment
- [x] Load Out Pad
- [ ] Other (please specify): _____

Issues: (Provide summary of issue and corrective action. Indicate location of issue on a map and attach to this form)

1. Issue Description/ Location:
   Winter Conditions Snow covered
2. Issue Description/ Location:
   NW sed ponds still need dug out
3. Issue Description/ Location:
4. Issue Description/ Location:
5. Issue Description/ Location:
6. Issue Description/ Location:
7. Issue Description/ Location:

Advanced Disposal Services, Inc.

Seven Mile Creek Landfill

Monthly Landfill Inspection – Sector 1 or Sector 2 (circle)

Date: 2/6/17 Weather Conditions: Overcast Operator: Josh

Check Items Inspected;

- ☑ Landfill Cover Conditions (erosion, cracks, stressed vegetation)
- ☑ LFG Well/Wellhead Assemblies (leaking, deterioration, damage)
- ☑ Lift Station
- ☑ Leachate Tank / Piping
- ☑ Control Panels
- ☑ Secondary Containment
- ☑ Load Out Pad
- ☐ Other (please specify): _____

Issues: (Provide summary of issue and corrective action. Indicate location of issue on a map and attach to this form)

1. Issue Description/ Location:
   Winter Conditions Snow Covered
2. Issue Description/ Location:
3. Issue Description/ Location:
4. Issue Description/ Location:
5. Issue Description/ Location:
6. Issue Description/ Location:
7. Issue Description/ Location:

Advanced Disposal Services, Inc.

Seven Mile Creek Landfill

Monthly Landfill Inspection – Sector 1 or Sector 2 (circle)

Date: 3/6/17 Weather Conditions: Overcast Operator: Jack

Check Items Inspected;

- [x] Landfill Cover Conditions (erosion, cracks, stressed vegetation)
- [x] LFG Well/Wellhead Assemblies (leaking, deterioration, damage)
- [x] Lift Station
- [x] Leachate Tank / Piping
- [x] Control Panels
- [x] Secondary Containment
- [x] Load Out Pad
- [ ] Other (please specify): _____

Issues: (Provide summary of issue and corrective action. Indicate location of issue on a map and attach to this form)

1. Issue Description/ Location:
   Winter conditions / Snow Covered
2. Issue Description/ Location:
   NW Sedponds need dug out
3. Issue Description/ Location:
4. Issue Description/ Location:
5. Issue Description/ Location:
6. Issue Description/ Location:
7. Issue Description/ Location:

Advanced Disposal Services, Inc.

Seven Mile Creek Landfill

Monthly Landfill Inspection – Sector 1 or Sector 2 (circle)

Date: 3/28/17 Weather Conditions: Sunny Operator: Jeff

Check Items Inspected;

- ☑ Landfill Cover Conditions (erosion, cracks, stressed vegetation)
- ☑ LFG Well/Wellhead Assemblies (leaking, deterioration, damage)
- ☑ Lift Station
- ☑ Leachate Tank / Piping
- ☑ Control Panels
- ☑ Secondary Containment
- ☑ Load Out Pad
- ☐ Other (please specify): _____

Issues: (Provide summary of issue and corrective action. Indicate location of issue on a map and attach to this form)

1. Issue Description/ Location:
   Some bare soil on south toe. Have to place topsoil + seed.
2. Issue Description/ Location:
3. Issue Description/ Location:
4. Issue Description/ Location:
5. Issue Description/ Location:
6. Issue Description/ Location:
7. Issue Description/ Location:

Advanced Disposal Services, Inc.

Seven Mile Creek Landfill

Monthly Landfill Inspection – Sector 1 or Sector 2 (circle)

Date: 3/28/17 Weather Conditions: Sunny Operator: Jeff

Check Items Inspected;

- ☑ Landfill Cover Conditions (erosion, cracks, stressed vegetation)
- ☑ LFG Well/Wellhead Assemblies (leaking, deterioration, damage)
- ☑ Lift Station
- ☑ Leachate Tank / Piping
- ☑ Control Panels
- ☑ Secondary Containment
- ☑ Load Out Pad
- ☐ Other (please specify): _____

Issues: (Provide summary of issue and corrective action. Indicate location of issue on a map and attach to this form)

1. Issue Description/ Location:
   Some erosion spots on south slope + west slope Final Cap area. Need black dirt + seed these areas.
2. Issue Description/ Location:
3. Issue Description/ Location:
4. Issue Description/ Location:
5. Issue Description/ Location:
6. Issue Description/ Location:
7. Issue Description/ Location:

Advanced Disposal Services, Inc.

Seven Mile Creek Landfill

Monthly Landfill Inspection – Sector 1 or Sector 2 (circle)

Date: 4/27/17 Weather Conditions: wet/Soggy Operator: Jeff H.

Check Items Inspected;

- ☑ Landfill Cover Conditions (erosion, cracks, stressed vegetation)
- ☑ LFG Well/Wellhead Assemblies (leaking, deterioration, damage)
- ☑ Lift Station
- ☑ Leachate Tank / Piping
- ☑ Control Panels
- ☑ Secondary Containment
- ☑ Load Out Pad
- ☐ Other (please specify): _____

Issues: (Provide summary of issue and corrective action. Indicate location of issue on a map and attach to this form)

1. Issue Description/ Location:
   South Slope has few bare spots at toe, need black soil + to seed.
2. Issue Description/ Location:
3. Issue Description/ Location:
4. Issue Description/ Location:
5. Issue Description/ Location:
6. Issue Description/ Location:
7. Issue Description/ Location:

Advanced Disposal Services, Inc.

Seven Mile Creek Landfill

Monthly Landfill Inspection – Sector 1 or Sector 2 (circle)

Date: 4/27/17 Weather Conditions: wet/Soggy Operator: Jeff H.

Check Items Inspected;

- ☑ Landfill Cover Conditions (erosion, cracks, stressed vegetation)
- ☑ LFG Well/Wellhead Assemblies (leaking, deterioration, damage)
- ☑ Lift Station
- ☑ Leachate Tank / Piping
- ☑ Control Panels
- ☑ Secondary Containment
- ☑ Load Out Pad
- ☐ Other (please specify): _____

Issues: (Provide summary of issue and corrective action. Indicate location of issue on a map and attach to this form)

1. Issue Description/ Location:
   Minor erosion on south slope, west slope, Final cap area. Berm on west slope needs attention also.
2. Issue Description/ Location:
3. Issue Description/ Location:
4. Issue Description/ Location:
5. Issue Description/ Location:
6. Issue Description/ Location:
7. Issue Description/ Location:

Advanced Disposal Services, Inc.

Seven Mile Creek Landfill JH

Monthly Landfill Inspection – Sector 1 or ~~Sector 2~~ (circle)

Date: 5/29/17 Weather Conditions: Partly cloudy Operator: Jeff H.

Check Items Inspected;

- ☑ Landfill Cover Conditions (erosion, cracks, stressed vegetation)
- ☑ LFG Well/Wellhead Assemblies (leaking, deterioration, damage)
- ☑ Lift Station
- ☑ Leachate Tank / Piping
- ☑ Control Panels
- ☑ Secondary Containment
- ☑ Load Out Pad
- ☐ Other (please specify): _____

Issues: (Provide summary of issue and corrective action. Indicate location of issue on a map and attach to this form)

1. Issue Description/ Location:
   stressed vegitation on South slope at toe. need topsoil + seed.
2. Issue Description/ Location:
3. Issue Description/ Location:
4. Issue Description/ Location:
5. Issue Description/ Location:
6. Issue Description/ Location:
7. Issue Description/ Location:

Advanced Disposal Services, Inc.

Seven Mile Creek Landfill

Monthly Landfill Inspection – ~~Sector 1~~ or Sector 2 (circle) JH

Date: 5/29/17 Weather Conditions: Partly Cloudy Operator: Jeff H.

Check Items Inspected;

- ☑ Landfill Cover Conditions (erosion, cracks, stressed vegetation)
- ☑ LFG Well/Wellhead Assemblies (leaking, deterioration, damage)
- ☑ Lift Station
- ☑ Leachate Tank / Piping
- ☑ Control Panels
- ☑ Secondary Containment
- ☑ Load Out Pad
- ☐ Other (please specify): _____

Issues: (Provide summary of issue and corrective action. Indicate location of issue on a map and attach to this form)

1. Issue Description/ Location:
   Some erosion on west + north Slope.
2. Issue Description/ Location:
3. Issue Description/ Location:
4. Issue Description/ Location:
5. Issue Description/ Location:
6. Issue Description/ Location:
7. Issue Description/ Location:

Advanced Disposal Services, Inc.

Seven Mile Creek Landfill

Monthly Landfill Inspection - Sector 1 or Sector 2 (circle)

Date: 6/19/17 _ Weather Conditions: wet/Soggy Operator: Jeff H.

Check Items Inspected;

- ☑ Landfill Cover Conditions (erosion, cracks, stressed vegetation)
- ☑ LFG Well/Wellhead Assemblies (leaking, deterioration, damage)
- ☑ Lift Station
- ☑ Leachate Tank / Piping
- ☑ Control Panels
- ☑ Secondary Containment
- ☑ Load Out Pad
- ☐ Other (please specify): _____

Issues: (Provide summary of issue and corrective action. Indicate location of issue on a map and attach to this form)

1. Issue Description/ Location:
   Stressed vegitation on South toe. need black top soil + seed.
2. Issue Description/ Location:
3. Issue Description/ Location:
4. Issue Description/ Location:
5. Issue Description/ Location:
6. Issue Description/ Location:
7. Issue Description/ Location:

Advanced Disposal Services, Inc.

Seven Mile Creek Landfill

Monthly Landfill Inspection – Sector 1 or Sector 2 (circle)

Date: 6/19/17 . Weather Conditions: wet/Soggy Operator: Jeff H.

Check Items Inspected;

- ☑ Landfill Cover Conditions (erosion, cracks, stressed vegetation)
- ☑ LFG Well/Wellhead Assemblies (leaking, deterioration, damage)
- ☑ Lift Station
- ☑ Leachate Tank / Piping
- ☑ Control Panels
- ☑ Secondary Containment
- ☑ Load Out Pad
- ☐ Other (please specify): _____

Issues: (Provide summary of issue and corrective action. Indicate location of issue on a map and attach to this form)

1. Issue Description/ Location:
   Erosion on North, South, West Slopes.
2. Issue Description/ Location:
3. Issue Description/ Location:
4. Issue Description/ Location:
5. Issue Description/ Location:
6. Issue Description/ Location:
7. Issue Description/ Location:

Advanced Disposal Services, Inc.

Seven Mile Creek Landfill

Monthly Landfill Inspection – Sector 1 or Sector 2 (circle)

Date: 7/20/17 Weather Conditions: Sunny Operator: Jeff

Check Items Inspected;

- ☑ Landfill Cover Conditions (erosion, cracks, stressed vegetation)
- ☑ LFG Well/Wellhead Assemblies (leaking, deterioration, damage)
- ☑ Lift Station
- ☑ Leachate Tank / Piping
- ☑ Control Panels
- ☑ Secondary Containment
- ☑ Load Out Pad
- ☐ Other (please specify): _____

Issues: (Provide summary of issue and corrective action. Indicate location of issue on a map and attach to this form)

1. Issue Description/ Location:
   Stressed Vegitation on south slope is covered. Need to seed yet.
2. Issue Description/ Location:
3. Issue Description/ Location:
4. Issue Description/ Location:
5. Issue Description/ Location:
6. Issue Description/ Location:
7. Issue Description/ Location:

Advanced Disposal Services, Inc.

Seven Mile Creek Landfill

Monthly Landfill Inspection – Sector 1 or Sector 2 (circle)

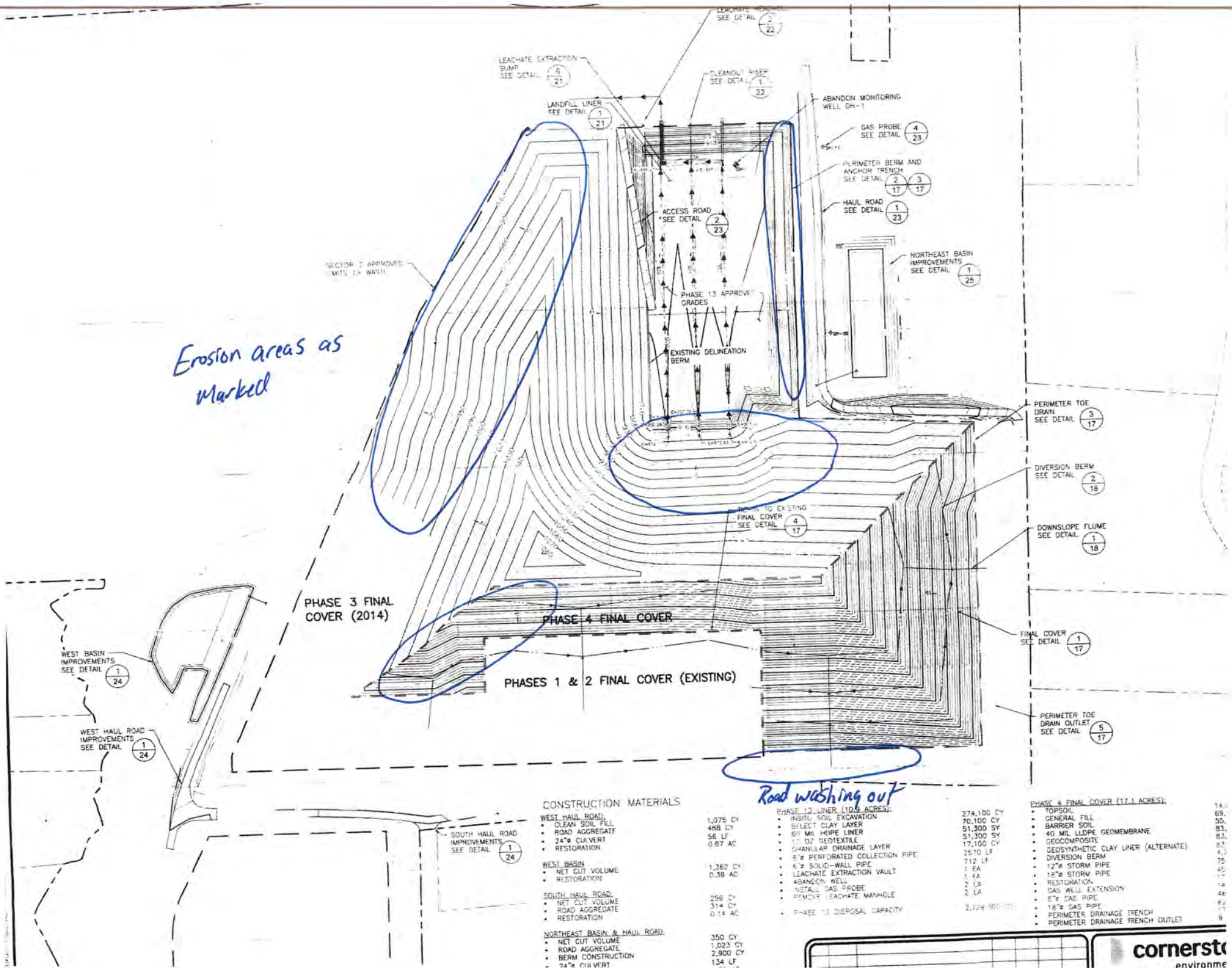
Date: 1/20/17 Weather Conditions: Sunny Operator: Jeff

Check Items Inspected;

- ☑ Landfill Cover Conditions (erosion, cracks, stressed vegetation)
- ☑ LFG Well/Wellhead Assemblies (leaking, deterioration, damage)
- ☑ Lift Station
- ☑ Leachate Tank / Piping
- ☑ Control Panels
- ☑ Secondary Containment
- ☑ Load Out Pad
- ☐ Other (please specify): _____

Issues: (Provide summary of issue and corrective action. Indicate location of issue on a map and attach to this form)

1. Issue Description/ Location:
   Erosion on North, South, West slopes. Have been working on but rain washed it back out.
2. Issue Description/ Location:
3. Issue Description/ Location:
4. Issue Description/ Location:
5. Issue Description/ Location:
6. Issue Description/ Location:
7. Issue Description/ Location:


LEACHATE EXTRACTION SUMP SEE DETAIL 6/21
LANDFILL LINER SEE DETAIL 1/21
CLEANOUT RISER SEE DETAIL 1/22
ABANDON MONITORING WELL DH-1
GAS PROBE SEE DETAIL 4/23
PERIMETER BERM AND ANCHOR TRENCH SEE DETAIL 2/17 3/17
HAUL ROAD SEE DETAIL 1/23
ACCESS ROAD SEE DETAIL 2/23
NORTHEAST BASIN IMPROVEMENTS SEE DETAIL 1/25
PHASE 13 APPROVED GRADES
EXISTING DELINEATION BERM
Erosion areas as Marked
PERIMETER TOE DRAIN SEE DETAIL 3/17
DIVERSION BERM SEE DETAIL 2/18
TIE-IN TO EXISTING FINAL COVER SEE DETAIL 4/17
DOWNSLOPE FLUME SEE DETAIL 1/18
PHASE 3 FINAL COVER (2014)
PHASE 4 FINAL COVER
FINAL COVER SEE DETAIL 1/17
PHASES 1 & 2 FINAL COVER (EXISTING)
WEST BASIN IMPROVEMENTS SEE DETAIL 1/24
WEST HAUL ROAD IMPROVEMENTS SEE DETAIL 1/24
PERIMETER TOE DRAIN OUTLET SEE DETAIL 5/17
Road washing out
SOUTH HAUL ROAD IMPROVEMENTS SEE DETAIL 1/24
CONSTRUCTION MATERIALS
WEST HAUL ROAD:
• CLEAN SOIL FILL 1,075 CY
• ROAD AGGREGATE 488 CY
• 24"ø CULVERT 56 LF
• RESTORATION 0.67 AC
WEST BASIN
• NET CUT VOLUME 1,362 CY
• RESTORATION 0.39 AC
SOUTH HAUL ROAD:
• NET CUT VOLUME 299 CY
• ROAD AGGREGATE 314 CY
• RESTORATION 0.14 AC
NORTHEAST BASIN & HAUL ROAD:
• NET CUT VOLUME 350 CY
• ROAD AGGREGATE 1,023 CY
• BERM CONSTRUCTION 2,900 CY
• 24"ø CULVERT 134 LF
PHASE 13 LINER (10.9 ACRES):
• INSITU SOIL EXCAVATION 274,100 CY
• SELECT CLAY LAYER 70,100 CY
• 60 MIL HDPE LINER 51,300 SY
• 10 OZ GEOTEXTILE 51,300 SY
• GRANULAR DRAINAGE LAYER 17,100 CY
• 6"ø PERFORATED COLLECTION PIPE 2570 LF
• 6"ø SOLID-WALL PIPE 712 LF
• LEACHATE EXTRACTION VAULT 1 EA
• ABANDON WELL 1 EA
• INSTALL GAS PROBE 2 EA
• REMOVE LEACHATE MANHOLE 2 EA
• PHASE 13 DISPOSAL CAPACITY 2,279,300 CY
PHASE 4 FINAL COVER (17.3 ACRES):
• TOPSOIL 14,
• GENERAL FILL 69,
• BARRIER SOIL 55,
• 40 MIL LLDPE GEOMEMBRANE 83,
• GEOCOMPOSITE 83,
• GEOSYNTHETIC CLAY LINER (ALTERNATE) 83,
• DIVERSION BERM 4,
• 12"ø STORM PIPE 75
• 18"ø STORM PIPE 46
• RESTORATION 14
• GAS WELL EXTENSION 46
• 6"ø GAS PIPE 64
• 18"ø GAS PIPE
• PERIMETER DRAINAGE TRENCH
• PERIMETER DRAINAGE TRENCH OUTLET 9
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Advanced Disposal Services, Inc.

Seven Mile Creek Landfill

Monthly Landfill Inspection – Sector 1 or Sector 2 (circle)

Date: 8/15/17 Weather Conditions: SUNNY Operator: JEFF

Check Items Inspected;

- ☑ Landfill Cover Conditions (erosion, cracks, stressed vegetation)
- ☑ LFG Well/Wellhead Assemblies (leaking, deterioration, damage)
- ☑ Lift Station
- ☑ Leachate Tank / Piping
- ☑ Control Panels
- ☑ Secondary Containment
- ☑ Load Out Pad
- ☐ Other (please specify): _____

Issues: (Provide summary of issue and corrective action. Indicate location of issue on a map and attach to this form)

1. Issue Description/ Location:
   Grass is Growing on South Side where Stressed Vegitation was.
2. Issue Description/ Location:
3. Issue Description/ Location:
4. Issue Description/ Location:
5. Issue Description/ Location:
6. Issue Description/ Location:
7. Issue Description/ Location:

Advanced Disposal Services, Inc.

Seven Mile Creek Landfill

Monthly Landfill Inspection – Sector 1 or Sector 2 (circle)

Date: 8/15/17 Weather Conditions: SUNNY Operator: JEFF

Check Items Inspected;

- ☑ Landfill Cover Conditions (erosion, cracks, stressed vegetation)
- ☑ LFG Well/Wellhead Assemblies (leaking, deterioration, damage)
- ☑ Lift Station
- ☑ Leachate Tank / Piping
- ☑ Control Panels
- ☑ Secondary Containment
- ☑ Load Out Pad
- ☐ Other (please specify): _____

Issues: (Provide summary of issue and corrective action. Indicate location of issue on a map and attach to this form)

1. Issue Description/ Location:
   Erosion on slopes is noted on landfill map.
2. Issue Description/ Location:
   REGRADING SLOPES & FIXING WASHOUTS AS NEEDED AND AFTER RAIN EVENTS.
3. Issue Description/ Location:
4. Issue Description/ Location:
5. Issue Description/ Location:
6. Issue Description/ Location:
7. Issue Description/ Location:

Advanced Disposal Services, Inc.

Seven Mile Creek Landfill

Monthly Landfill Inspection – Sector 1 or Sector 2 (circle)

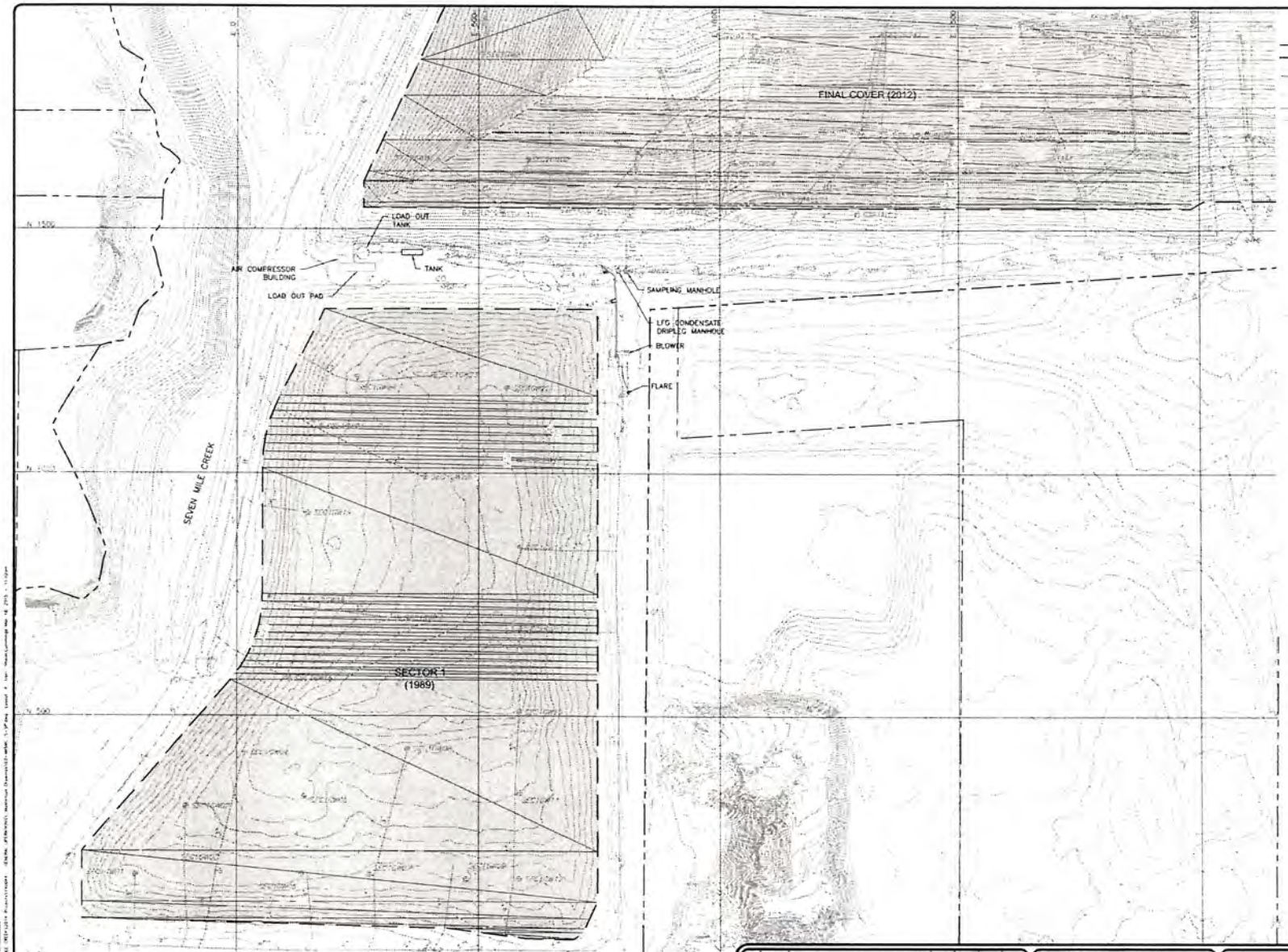
Date: 9/22/17 Weather Conditions: Sunny Operator: Jeff

Check Items Inspected;

- ☑ Landfill Cover Conditions (erosion, cracks, stressed vegetation)
- ☑ LFG Well/Wellhead Assemblies (leaking, deterioration, damage)
- ☑ Lift Station
- ☑ Leachate Tank / Piping
- ☑ Control Panels
- ☑ Secondary Containment
- ☑ Load Out Pad
- ☐ Other (please specify): _____

Issues: (Provide summary of issue and corrective action. Indicate location of issue on a map and attach to this form)

1. Issue Description/ Location:
   No Issues
2. Issue Description/ Location:
3. Issue Description/ Location:
4. Issue Description/ Location:
5. Issue Description/ Location:
6. Issue Description/ Location:
7. Issue Description/ Location:



LEGEND

- PROPERTY BOUNDARY
- EXISTING SOLID WASTE BOUNDARY
- PHASE BOUNDARY
- FINAL COVER AREA
- 2' CONTOUR
- 10' CONTOUR
- EXISTING LEACHATE RECIRCULATION LINE
- EXISTING AIR SUPPLY LINE
- EXISTING LEACHATE FORCE MAIN
- EXISTING LEACHATE MANHOLE
- EXISTING LEACHATE VAULT
- EXISTING LANDFILL GAS LINE
- EXISTING HORIZONTAL LFG COLLECTOR
- EXISTING LFG EXTRACTION WELL
- EXISTING SUPPLEMENTAL EXTRACTION WELL
- EXISTING CONTROL VALVE
- EXISTING BLIND FLANGE
- EXISTING FLANGE CONNECTION
- EXISTING REDUCER FITTING
- EXISTING CONDENSATE DRIPLEG
- EXISTING LEACHATE CLEANOUT RISER
- EXISTING GAS HEADER CLEANOUT RISER
- PROPOSED LANDFILL GAS LINE
- PROPOSED LFG EXTRACTION WELL
- PROPOSED CONTROL VALVE
- PROPOSED BLIND FLANGE
- PROPOSED REDUCER FITTING
- PROPOSED CONDENSATE DRIPLEG
- PROPOSED CONDENSATE PUMP STATION

NOTE

1. AERIAL TOPOGRAPHIC SURVEY PERFORMED BY SRMC ON MAY 18, 2014.
2. EXISTING GAS SYSTEM COMPONENTS ARE FROM CAD FILES PROVIDED BY AYRES ASSOCIATES, AND RECORD SURVEYS BY CDM.
3. PROPOSED GAS SYSTEM COMPONENTS ARE BASED ON AYERS ASSOCIATES SECTOR 2-PLAN OF OPERATIONS-PLAN MODIFICATION (AUGUST 2011).

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SCALE IN FEET

REV	DATE	DESCRIPTION	DWN BY	DES BY	CHK BY	APP BY

DATE OF ISSUE 3/18/2015 — DRAWN BY SRC — DESIGNED BY SRC — CHECKED BY TBF — APPROVED BY TBF

cornerstone environmental

PREPARED BY CORNERSTONE ENVIRONMENTAL GROUP, LLC

ADVANCED DISPOSAL SERVICES
SEVEN MILE CREEK LANDFILL
EAU CLAIRE, WISCONSIN

2014 MASTER GAS PLAN
SECTOR 1

SHEET NO. **4**

PROJECT NO. 140044

Advanced Disposal Services, Inc.

Seven Mile Creek Landfill

Monthly Landfill Inspection – Sector 1 or Sector 2 (circle)

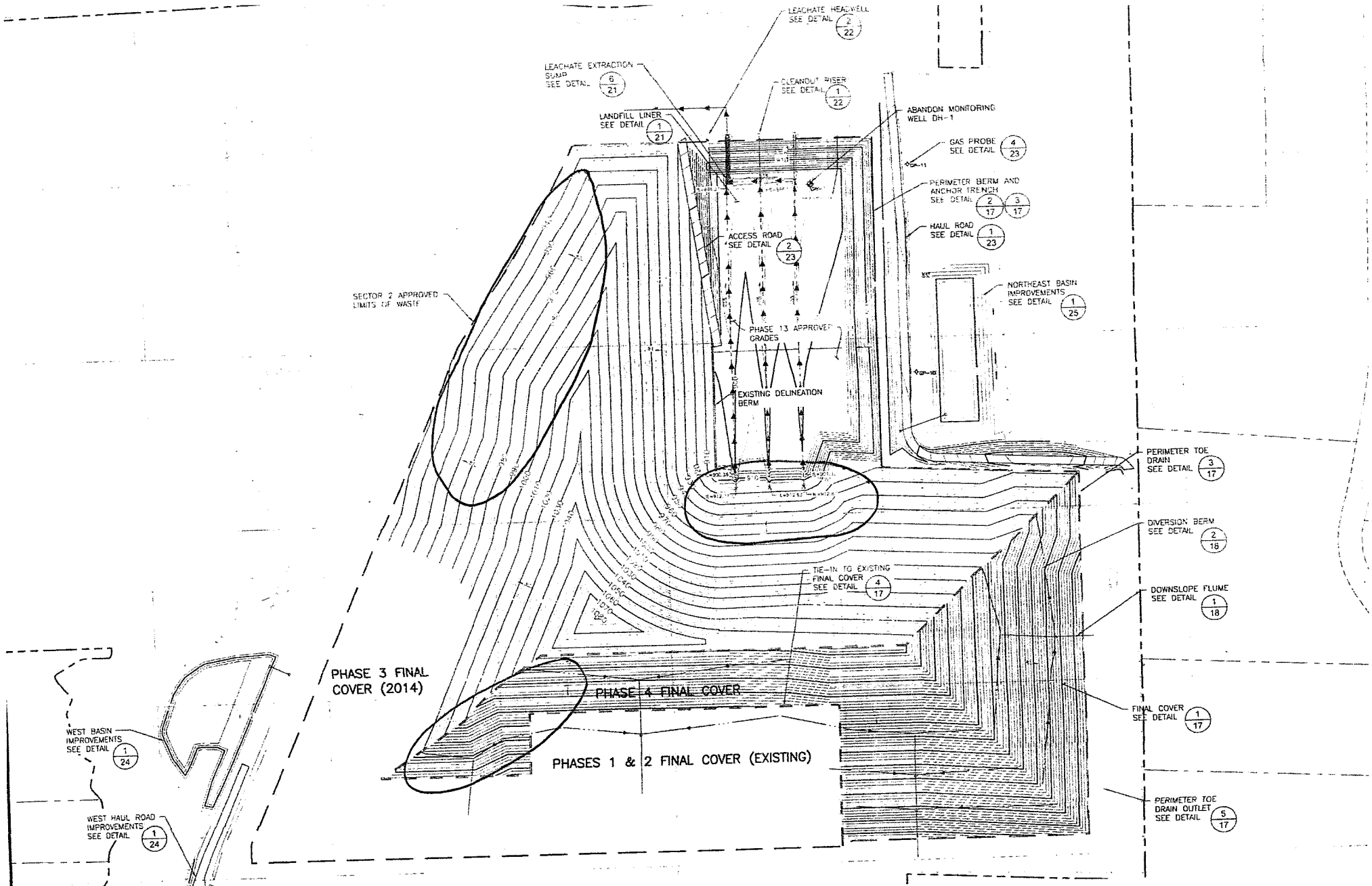
Date: 9/22/17 Weather Conditions: Sunny Operator: Jeff

Check Items Inspected;

- ☑ Landfill Cover Conditions (erosion, cracks, stressed vegetation)
- ☑ LFG Well/Wellhead Assemblies (leaking, deterioration, damage)
- ☑ Lift Station
- ☑ Leachate Tank / Piping
- ☑ Control Panels
- ☑ Secondary Containment
- ☑ Load Out Pad
- ☐ Other (please specify): _____

Issues: (Provide summary of issue and corrective action. Indicate location of issue on a map and attach to this form)

1. Issue Description/ Location:
   minor erosion in areas on map have fixed a lot on west slope, South slope.
2. Issue Description/ Location:
3. Issue Description/ Location:
4. Issue Description/ Location:
5. Issue Description/ Location:
6. Issue Description/ Location:
7. Issue Description/ Location:



CONSTRUCTION MATERIALS

WEST HAUL ROAD:	
• CLEAN SOIL FILL	1,075 CY
• ROAD AGGREGATE	488 CY
• 24"ø CULVERT	56 LF
• RESTORATION	0.67 AC
WEST BASIN	
• NET CUT VOLUME	1,362 CY
• RESTORATION	0.39 AC
SOUTH HAUL ROAD:	
• NET CUT VOLUME	299 CY
• ROAD AGGREGATE	314 CY
• RESTORATION	0.14 AC
NORTHEAST BASIN & HAUL ROAD:	
• NET CUT VOLUME	350 CY
• ROAD AGGREGATE	1,023 CY
• BERM CONSTRUCTION	2,900 CY
• 24"ø CULVERT	134 LF

PHASE 13 LINER (10.9 ACRES):	
• INSITU SOIL EXCAVATION	274,100 CY
• SELECT CLAY LAYER	70,100 CY
• 60 MIL HDPE LINER	51,300 SY
• 13 OZ GEOTEXTILE	51,300 SY
• GRANULAR DRAINAGE LAYER	17,100 CY
• 6"ø PERFORATED COLLECTION PIPE	2570 LF
• 6"ø SOLID-WALL PIPE	712 LF
• LEACHATE EXTRACTION VAULT	1 EA
• ABANDON WELL	1 EA
• INSTALL GAS PROBE	2 EA
• REMOVE LEACHATE MANHOLE	2 EA
• PHASE 13 DISPOSAL CAPACITY	2,729,300 CY

PHASE 4 FINAL COVER (17.3 ACRES):	
• TOPSOIL	14,[illegible]
• GENERAL FILL	69,[illegible]
• BARRIER SOIL	55,[illegible]
• 40 MIL LLDPE GEOMEMBRANE	83,[illegible]
• GEOCOMPOSITE	83,[illegible]
• GEOSYNTHETIC CLAY LINER (ALTERNATE)	83,[illegible]
• DIVERSION BERM	4,[illegible]
• 12"ø STORM PIPE	75[illegible]
• 18"ø STORM PIPE	45[illegible]
• RESTORATION	17[illegible]
• GAS WELL EXTENSION	14[illegible]
• 6"ø GAS PIPE	46[illegible]
• 18"ø GAS PIPE	62[illegible]
• PERIMETER DRAINAGE TRENCH	17[illegible]
• PERIMETER DRAINAGE TRENCH OUTLET	9[illegible]

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Advanced Disposal Services, Inc.

Seven Mile Creek Landfill

Monthly Landfill Inspection – Sector 1 or Sector 2 (circle)

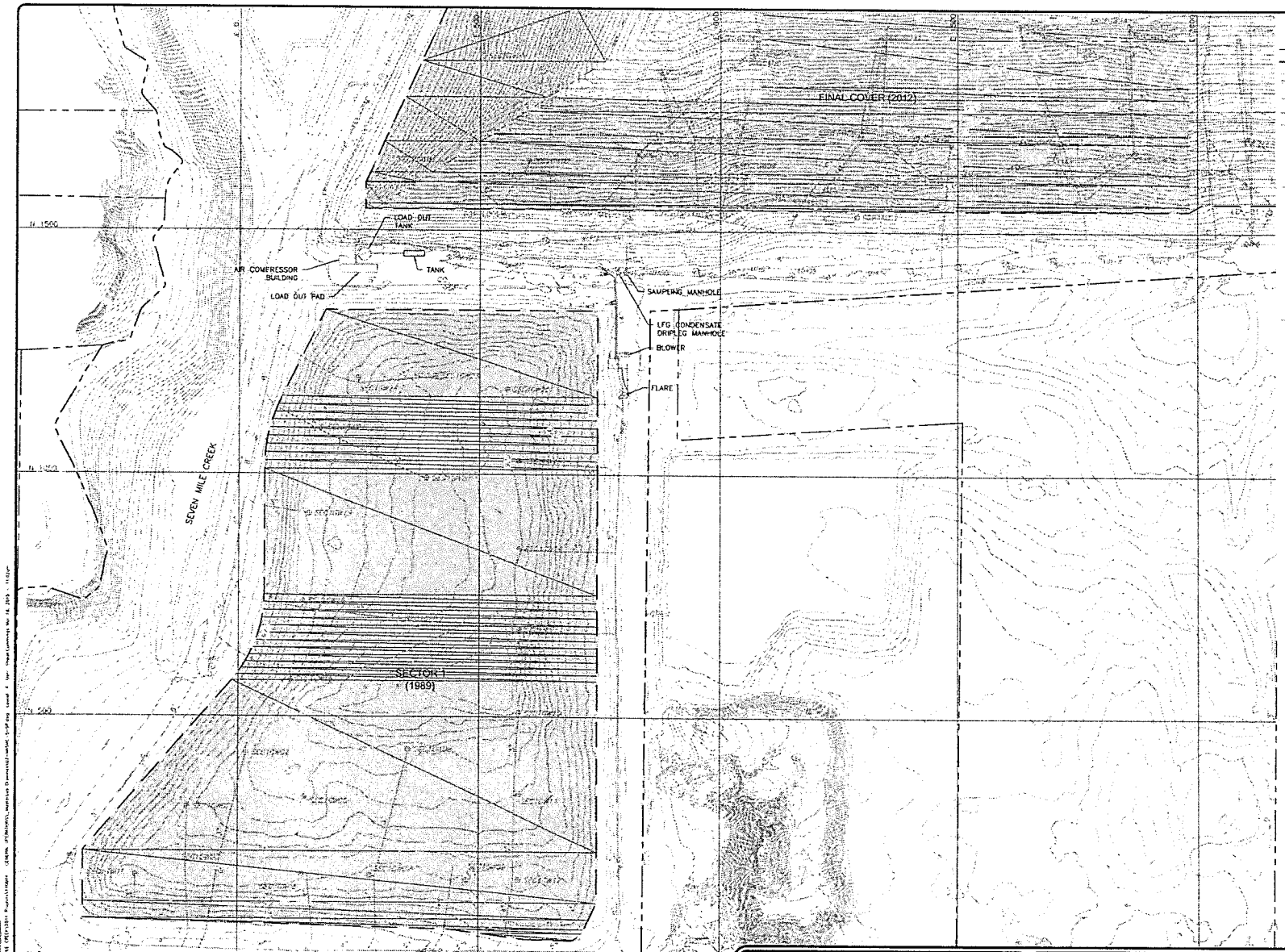
Date: 10/20/17 Weather Conditions: Fair Operator: Jeff H.

Check Items Inspected;

- ☑ Landfill Cover Conditions (erosion, cracks, stressed vegetation)
- ☑ LFG Well/Wellhead Assemblies (leaking, deterioration, damage)
- ☑ Lift Station
- ☑ Leachate Tank / Piping
- ☑ Control Panels
- ☑ Secondary Containment
- ☑ Load Out Pad
- ☐ Other (please specify): _____

Issues: (Provide summary of issue and corrective action. Indicate location of issue on a map and attach to this form)

1. Issue Description/ Location:
   no ISSUES
2. Issue Description/ Location:
3. Issue Description/ Location:
4. Issue Description/ Location:
5. Issue Description/ Location:
6. Issue Description/ Location:
7. Issue Description/ Location:



LEGEND

- PROPERTY BOUNDARY
- EXISTING SOLID WASTE BOUNDARY
- PHASE BOUNDARY
- FINAL COVER AREA
- 2' CONTOUR
- 10' CONTOUR
- EXISTING LEACHATE RECIRCULATION LINE
- EXISTING AIR SUPPLY LINE
- EXISTING LEACHATE FORCE MAIN
- EXISTING LEACHATE MANHOLE
- EXISTING LEACHATE VAULT
- EXISTING LANDFILL GAS LINE
- EXISTING HORIZONTAL LFG COLLECTOR
- EXISTING LFG EXTRACTION WELL
- EXISTING SUPPLEMENTAL EXTRACTION WELL
- EXISTING CONTROL VALVE
- EXISTING BLIND FLANGE
- EXISTING FLANGE CONNECTION
- EXISTING REDUCER FITTING
- EXISTING CONDENSATE DRIPLEG
- EXISTING LEACHATE CLEANOUT RISER
- EXISTING GAS HEADER CLEANOUT RISER
- PROPOSED LANDFILL GAS LINE
- PROPOSED LFG EXTRACTION WELL
- PROPOSED CONTROL VALVE
- PROPOSED BLIND FLANGE
- PROPOSED REDUCER FITTING
- PROPOSED CONDENSATE DRIPLEG
- PROPOSED CONDENSATE PUMP STATION

NOTE

1. AERIAL TOPOGRAPHIC SURVEY PERFORMED BY SRMC ON MAY 18, 2014.
2. EXISTING GAS SYSTEM COMPONENTS ARE FROM CAD FILES PROVIDED BY AYRES ASSOCIATES, AND RECORD SURVEYS BY COM.
3. PROPOSED GAS SYSTEM COMPONENTS ARE BASED ON AYERS ASSOCIATES SECTOR 2–PLAN OF OPERATIONS–PLAN MODIFICATION (AUGUST 2011).

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SCALE IN FEET

REV	DATE	DESCRIPTION	DWN BY	DES BY	CHK BY	APP BY

DATE OF ISSUE 3/18/2015
DRAWN BY SRC
DESIGNED BY SRC
CHECKED BY TBF
APPROVED BY TBF

cornerstone environmental

PREPARED BY
CORNERSTONE ENVIRONMENTAL GROUP, LLC

ADVANCED DISPOSAL SERVICES
SEVEN MILE CREEK LANDFILL
EAU CLAIRE, WISCONSIN

2014 MASTER GAS PLAN
SECTOR 1

SHEET NO. 4

PROJECT NO 140044

Advanced Disposal Services, Inc.

Seven Mile Creek Landfill

Monthly Landfill Inspection – Sector 1 or Sector 2 (circle)

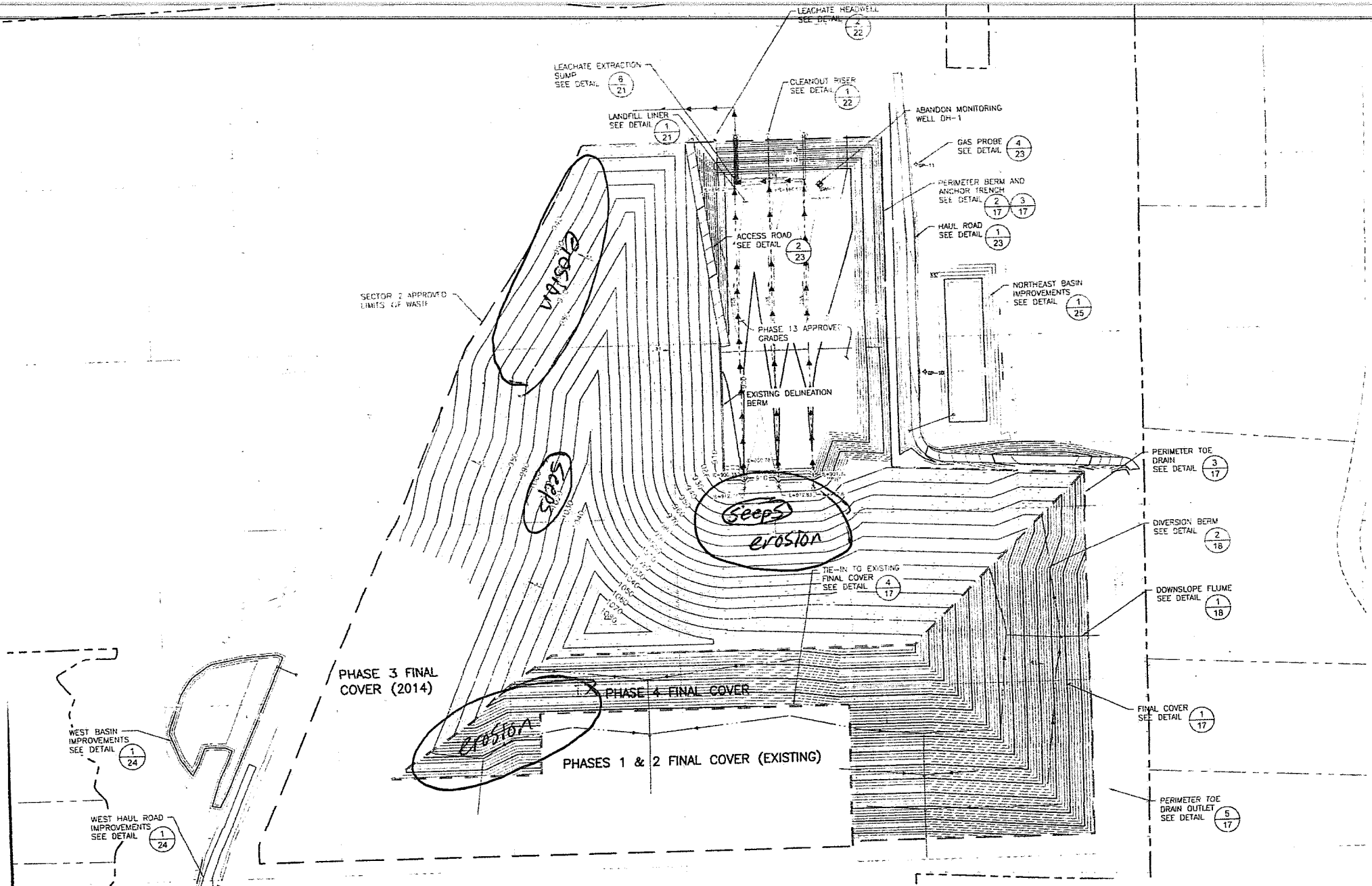
Date: 10/20/17 Weather Conditions: Fair Operator: Jeff H

Check Items Inspected;

- ☑ Landfill Cover Conditions (erosion, cracks, stressed vegetation)
- ☑ LFG Well/Wellhead Assemblies (leaking, deterioration, damage)
- ☑ Lift Station
- ☑ Leachate Tank / Piping
- ☑ Control Panels
- ☑ Secondary Containment
- ☑ Load Out Pad
- ☐ Other (please specify): _____

Issues: (Provide summary of issue and corrective action. Indicate location of issue on a map and attach to this form)

1. Issue Description/ Location:
   Seeps + erosion Identified on map
2. Issue Description/ Location:
3. Issue Description/ Location:
4. Issue Description/ Location:
5. Issue Description/ Location:
6. Issue Description/ Location:
7. Issue Description/ Location:



CONSTRUCTION MATERIALS

WEST HAUL ROAD:	
• CLEAN SOIL FILL	1,075 CY
• ROAD AGGREGATE	488 CY
• 24"ø CULVERT	56 LF
• RESTORATION	0.67 AC
WEST BASIN	
• NET CUT VOLUME	1,362 CY
• RESTORATION	0.39 AC
SOUTH HAUL ROAD:	
• NET CUT VOLUME	299 CY
• ROAD AGGREGATE	314 CY
• RESTORATION	0.14 AC
NORTHEAST BASIN & HAUL ROAD:	
• NET CUT VOLUME	350 CY
• ROAD AGGREGATE	1,023 CY
• BERM CONSTRUCTION	2,900 CY
• 24"ø CULVERT	134 LF

PHASE 13 LINER (10.9 ACRES):	
• INSITU SOIL EXCAVATION	274,100 CY
• SELECT CLAY LAYER	70,100 CY
• 60 MIL HDPE LINER	51,300 SY
• 12 OZ GEOTEXTILE	51,300 SY
• GRANULAR DRAINAGE LAYER	17,100 CY
• 6"ø PERFORATED COLLECTION PIPE	2570 LF
• 6"ø SOLID-WALL PIPE	712 LF
• LEACHATE EXTRACTION VAULT	1 EA
• ABANDON WELL	1 EA
• INSTALL GAS PROBE	2 EA
• REMOVE LEACHATE MANHOLE	2 EA
• PHASE 13 DISPOSAL CAPACITY	2,729,300 CY

PHASE 4 FINAL COVER (17.1 ACRES):	
• TOPSOIL	14,
• GENERAL FILL	69,
• BARRIER SOIL	55,
• 40 MIL LLDPE GEOMEMBRANE	83,
• GEOCOMPOSITE	83,
• GEOSYNTHETIC CLAY LINER (ALTERNATE)	83,
• DIVERSION BERM	4,
• 12"ø STORM PIPE	75
• 18"ø STORM PIPE	45
• RESTORATION	17
• GAS WELL EXTENSION	14
• 6"ø GAS PIPE	46
• 18"ø GAS PIPE	62
• PERIMETER DRAINAGE TRENCH	17
• PERIMETER DRAINAGE TRENCH OUTLET	9

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Advanced Disposal Services, Inc.

Seven Mile Creek Landfill

Monthly Landfill Inspection – Sector 1 or Sector 2 (circle)

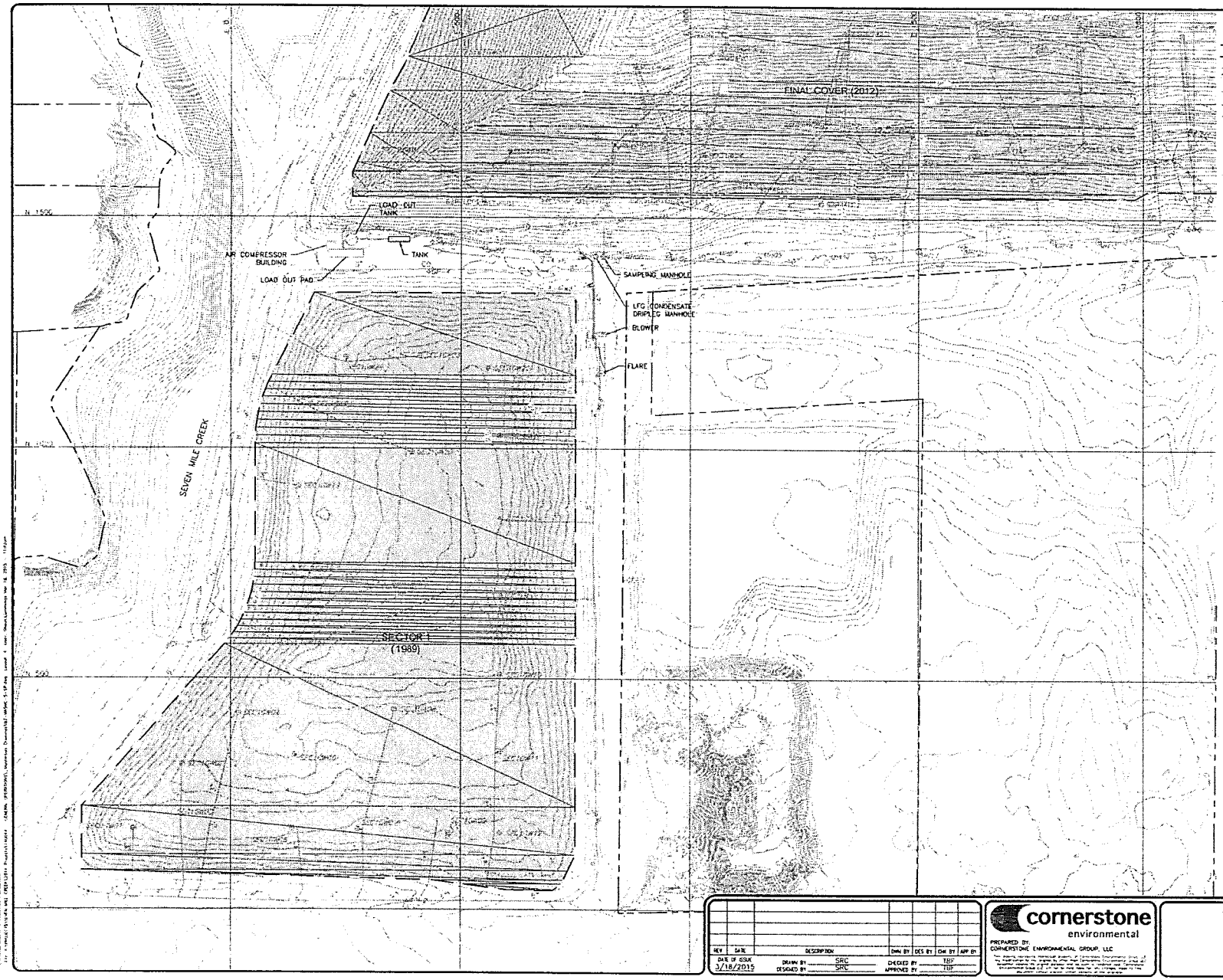
Date: 11/17/19 Weather Conditions: Sunny Operator: Jeff

Check Items Inspected;

- ☑ Landfill Cover Conditions (erosion, cracks, stressed vegetation)
- ☑ LFG Well/Wellhead Assemblies (leaking, deterioration, damage)
- ☑ Lift Station
- ☑ Leachate Tank / Piping
- ☑ Control Panels
- ☑ Secondary Containment
- ☑ Load Out Pad
- ☑ Other (please specify): _____

Issues: (Provide summary of issue and corrective action. Indicate location of issue on a map and attach to this form)

1. Issue Description/ Location:
   no ISSUES
2. Issue Description/ Location:
3. Issue Description/ Location:
4. Issue Description/ Location:
5. Issue Description/ Location:
6. Issue Description/ Location:
7. Issue Description/ Location:



LEGEND

- PROPERTY BOUNDARY
- EXISTING SOLID WASTE BOUNDARY
- PHASE BOUNDARY
- FINAL COVER AREA
- 2' CONTOUR
- 10' CONTOUR
- EXISTING LEACHATE RECIRCULATION LINE
- EXISTING AIR SUPPLY LINE
- EXISTING LEACHATE FORCE MAIN
- EXISTING LEACHATE MANHOLE
- EXISTING LEACHATE VAULT
- EXISTING LANDFILL GAS LINE
- EXISTING HORIZONTAL LFG COLLECTOR
- EXISTING LFG EXTRACTION WELL
- EXISTING SUPPLEMENTAL EXTRACTION WELL
- EXISTING CONTROL VALVE
- EXISTING BLIND FLANGE
- EXISTING FLANGE CONNECTION
- EXISTING REDUCER FITTING
- EXISTING CONDENSATE DRIPLEG
- EXISTING LEACHATE CLEANOUT RISER
- EXISTING GAS HEADER CLEANOUT RISER
- PROPOSED LANDFILL GAS LINE
- PROPOSED LFG EXTRACTION WELL
- PROPOSED CONTROL VALVE
- PROPOSED BLIND FLANGE
- PROPOSED REDUCER FITTING
- PROPOSED CONDENSATE DRIPLEG
- PROPOSED CONDENSATE PUMP STATION

NOTE

1. AERIAL TOPOGRAPHIC SURVEY PERFORMED BY SRMC ON MAY 18, 2014.
2. EXISTING GAS SYSTEM COMPONENTS ARE FROM CAD FILES PROVIDED BY AYRES ASSOCIATES, AND RECORD SURVEYS BY CDM.
3. PROPOSED GAS SYSTEM COMPONENTS ARE BASED ON AYERS ASSOCIATES SECTOR 2–PLAN OF OPERATIONS–PLAN MODIFICATION (AUGUST 2011).

N

0 100 200
SCALE IN FEET

REV	DATE	DESCRIPTION	DWN BY	DES BY	CHK BY	APP BY

DATE OF ISSUE 3/18/2015 — DRAWN BY SRC — DESIGNED BY SRC — CHECKED BY TBF — APPROVED BY TBF

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PREPARED BY: CORNERSTONE ENVIRONMENTAL GROUP, LLC

ADVANCED DISPOSAL SERVICES
SEVEN MILE CREEK LANDFILL
EAU CLAIRE, WISCONSIN

2014 MASTER GAS PLAN
SECTOR 1

SHEET NO. **4**

PROJECT NO 140044

Advanced Disposal Services, Inc.

Seven Mile Creek Landfill

Monthly Landfill Inspection – Sector 1 or Sector 2 (circle)

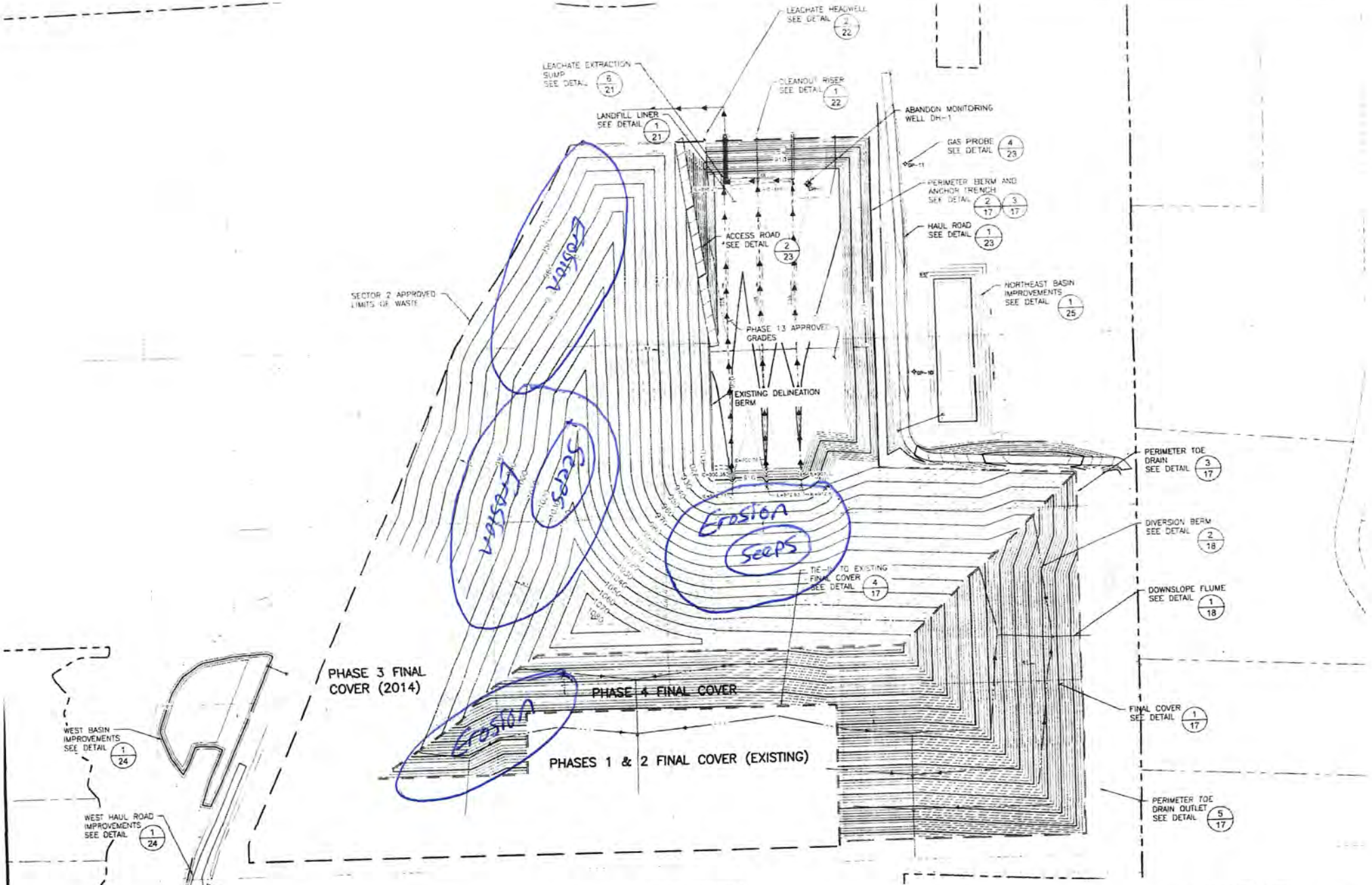
Date: 11/16/17 Weather Conditions: Sunny Operator: Jeff

Check Items Inspected;

- ☑ Landfill Cover Conditions (erosion, cracks, stressed vegetation)
- ☑ LFG Well/Wellhead Assemblies (leaking, deterioration, damage)
- ☑ Lift Station
- ☑ Leachate Tank / Piping
- ☑ Control Panels
- ☑ Secondary Containment
- ☑ Load Out Pad
- ☑ Other (please specify): _____

Issues: (Provide summary of issue and corrective action. Indicate location of issue on a map and attach to this form)

1. Issue Description/ Location:
   Leachate seeps + erosion Identified on map.
2. Issue Description/ Location:
3. Issue Description/ Location:
4. Issue Description/ Location:
5. Issue Description/ Location:
6. Issue Description/ Location:
7. Issue Description/ Location:



CONSTRUCTION MATERIALS

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• 24"ø CULVERT	56 LF
• RESTORATION	0.67 AC
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• RESTORATION	0.39 AC
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• ROAD AGGREGATE	314 CY
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• 24"ø CULVERT	134 LF

PHASE 13 LINER (10.9 ACRES):	
• INSITU SOIL EXCAVATION	274,100 CY
• SELECT CLAY LAYER	70,100 CY
• 60 MIL HDPE LINER	51,300 SY
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• 6"ø PERFORATED COLLECTION PIPE	2570 LF
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• LEACHATE EXTRACTION VAULT	1 EA
• ABANDON WELL	1 EA
• INSTALL GAS PROBE	2 EA
• REMOVE LEACHATE MANHOLE	2 EA
• PHASE 13 DISPOSAL CAPACITY	2,729,300 CY

PHASE 4 FINAL COVER (17.3 ACRES):	
• TOPSOIL	14.
• GENERAL FILL	69.
• BARRIER SOIL	55.
• 40 MIL LLDPE GEOMEMBRANE	83.
• GEOCOMPOSITE	83.
• GEOSYNTHETIC CLAY LINER (ALTERNATE)	83
• DIVERSION BERM	4.
• 12"ø STORM PIPE	75
• 18"ø STORM PIPE	45
• RESTORATION	14
• GAS WELL EXTENSION	46
• 6"ø GAS PIPE	62
• 18"ø GAS PIPE	17
• PERIMETER DRAINAGE TRENCH	9
• PERIMETER DRAINAGE TRENCH OUTLET	

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Advanced Disposal Services, Inc.

Seven Mile Creek Landfill

Monthly Landfill Inspection – Sector 1 or Sector 2 (circle)

Date: 12/20/17 Weather Conditions: Cloudy Operator: Jeff

Check Items Inspected;

- ☑ Landfill Cover Conditions (erosion, cracks, stressed vegetation)
- ☑ LFG Well/Wellhead Assemblies (leaking, deterioration, damage)
- ☑ Lift Station
- ☑ Leachate Tank / Piping
- ☑ Control Panels
- ☑ Secondary Containment
- ☑ Load Out Pad
- ☐ Other (please specify): _____

Issues: (Provide summary of issue and corrective action. Indicate location of issue on a map and attach to this form)

1. Issue Description/ Location:
   NO ISSUES - Snow Covered
2. Issue Description/ Location:
3. Issue Description/ Location:
4. Issue Description/ Location:
5. Issue Description/ Location:
6. Issue Description/ Location:
7. Issue Description/ Location:

Advanced Disposal Services, Inc.

Seven Mile Creek Landfill

Monthly Landfill Inspection – Sector 1 or Sector 2 (circle)

Date: 12/20/17 Weather Conditions: Cloudy Operator: Jeff

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   No ISSUES - Snow Covered
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4. Issue Description/ Location:
5. Issue Description/ Location:
6. Issue Description/ Location:
7. Issue Description/ Location:

Attachment D-3

Monitoring Well, Lysimeter, and Leachate Head Well
Condition Reports

Monitoring Well, Gas Probe, Lysimeter, and Leachate Head Well Condition Report - April 2017
ADS Seven Mile Creek Landfill - Eau Claire, WI

Common Well Name	WDNR Well ID	Well Association	Well Labeled Common Name	Well Labeled WDNR ID	Well Cap Present	Well Casing Condition	Protective Casing Condition	Well Lock	Key Number	Access/Trail condition
Groundwater Monitoring Wells										
DH-16A	136	Sector 1	YES	YES	YES	GOOD	GOOD	YES	A212	GOOD
DH-16	134	Sector 1	YES	YES	YES	GOOD	GOOD	YES	A212	GOOD
DH-21A	154	Sector 1	YES	YES	YES	GOOD	GOOD	YES	2532	Trail needs clearing
DH-21	152	Sector 1	YES	YES	YES	GOOD	GOOD	YES	2532	Trail needs clearing
DH-10	008	Sector 1	YES	YES	YES	GOOD	GOOD	YES	2532	No trail exists
DH-10A	120	Sector 1	YES	YES	YES	GOOD	GOOD	YES	2532	No trail exists
DH-8	006	Sector 1	YES	YES	YES	GOOD	GOOD	YES	A212	GOOD
DH-42A	158	Sector 1	YES	YES	YES	GOOD	GOOD	YES	2121	Trail needs clearing
DH-42	156	Sector 1	YES	YES	YES	GOOD	GOOD	YES	2121	Trail needs clearing
DH-19A	146	Sector 1	YES	YES	YES	GOOD	GOOD	YES	A212	Trail needs clearing
DH-19	144	Sector 1	YES	YES	YES	GOOD	GOOD	YES	A212	Trail needs clearing
DH-15	130	Sector 1	YES	YES	YES	GOOD	GOOD	YES	A212	Trail needs clearing
DH-15A	132	Sector 1	YES	YES	YES	GOOD	GOOD	YES	A212	Trail needs clearing
DH-11R	125	Sector 1	YES	YES	YES	GOOD	GOOD	YES	2121	GOOD
DH-9	007	Sector 1	YES	YES	YES	GOOD	GOOD	YES	2121	GOOD
DH-7	005	Sector 1	YES	YES	YES	GOOD	GOOD	YES	A212	No trail exists
DH-4R	003	Sector 1/2	YES	YES	YES	GOOD	GOOD	YES	2121	GOOD
DH-22B	160	Sector 2	YES	YES	YES	GOOD	GOOD	YES	2121	GOOD
DH-22A	158	Sector 2	YES	YES	YES	GOOD	GOOD	YES	2121	GOOD
DH-22R	157	Sector 2	YES	YES	YES	GOOD	GOOD	YES	2121	GOOD
DH-18B	142	Sector 2	YES	YES	YES	GOOD	GOOD	YES	A212	GOOD
DH-18A	140	Sector 2	YES	YES	YES	GOOD	GOOD	YES	A212	GOOD
DH-18	138	Sector 2	YES	YES	YES	GOOD	GOOD	YES	A212	GOOD
DH-35A	194	Sector 2	YES	YES	YES	GOOD	GOOD	YES	2121	GOOD
DH-35	192	Sector 2	YES	YES	YES	GOOD	GOOD	YES	2121	GOOD
DH-33A	188	Sector 2	YES	YES	YES	GOOD	GOOD	YES	A212	GOOD
DH-33	186	Sector 2	YES	YES	YES	GOOD	GOOD	YES	A212	GOOD
DH-49A	230	Sector 2	YES	YES	YES	GOOD	GOOD	YES	2121	GOOD
DH-49	228	Sector 2	YES	YES	YES	GOOD	GOOD	YES	2121	GOOD
DH-47A	224	Sector 2	YES	YES	YES	GOOD	GOOD	YES	2121	GOOD
DH-47	222	Sector 2	YES	YES	YES	GOOD	GOOD	YES	2121	GOOD
DH-46A	220	Sector 2	YES	YES	YES	GOOD	GOOD	YES	2121	GOOD
DH-46	218	Sector 2	YES	YES	YES	GOOD	GOOD	YES	2121	GOOD
DH-39A	202	Sector 2	YES	YES	YES	GOOD	GOOD	YES	2121	GOOD
DH-39	200	Sector 2	YES	YES	YES	GOOD	GOOD	YES	2121	GOOD
DH-43A	210	Sector 2	YES	YES	YES	GOOD	GOOD	YES	2121	GOOD
DH-43	208	Sector 2	YES	YES	YES	GOOD	GOOD	YES	2121	GOOD
DH-36	196	Sector 2	YES	YES	YES	GOOD	GOOD	YES	A212	GOOD
DH-34	190	Sector 2	YES	YES	YES	GOOD	GOOD	YES	A212	GOOD
DH-32	184	Sector 2	YES	YES	YES	GOOD	GOOD	YES	A212	GOOD
DH-48	226	Sector 2	YES	YES	YES	GOOD	GOOD	YES	2121	GOOD
DH-40	204	Sector 2	YES	YES	YES	GOOD	GOOD	YES	2121	GOOD
DH-41	206	Sector 2	YES	YES	YES	GOOD	GOOD	YES	2121	GOOD
DH-52	236	Sector 2	YES	YES	YES	GOOD	GOOD	YES	2121	GOOD
DH-45	216	Sector 2	YES	YES	YES	GOOD	GOOD	YES	2121	GOOD
DH-53	238	Sector 2	YES	YES	YES	GOOD	GOOD	YES	2121	GOOD
Lysimeters										
LY1A	400	Sector 2	YES	NO	YES	GOOD	GOOD	NONE	NA	GOOD
LY2	406	Sector 2	YES	NO	YES	GOOD	GOOD	NONE	NA	GOOD
LY3	408	Sector 2	YES	NO	YES	GOOD	GOOD	NONE	NA	GOOD
LY4	410	Sector 2	YES	NO	YES	GOOD	GOOD	NONE	NA	GOOD
Leachate Head Wells										
LHW-1A	033	Sector 1	NO	NO	NO	GOOD	No protop	NONE	NA	GOOD
LHW-1B	038	Sector 1	YES	YES	YES	GOOD	Good	YES	2121	GOOD
LHW-2A	036	Sector 1	YES	YES	YES	GOOD	No lock clasp	NONE	NA	GOOD
LHW-2B	037	Sector 1	YES	YES	YES	GOOD	Good	YES	2121	GOOD
LHW-3A	035	Sector 1	YES	YES	YES	GOOD	No lock clasp	NONE	NA	GOOD
LHW-3BR	039	Sector 1	YES	NO	YES	GOOD	No lock clasp	NONE	NA	GOOD
LHW-4A	040	Sector 1	YES	YES	YES	GOOD	Good	YES	2121	GOOD
LHW-4B	042	Sector 1	YES	YES	YES	GOOD	Protop settled-no lock clasp	NONE	NA	GOOD
LHW-5A	044	Sector 1	YES	YES	YES	GOOD	Good	YES	2121	GOOD
LHW-5B	046	Sector 1	YES	YES	YES	GOOD	Good	YES	2121	GOOD
LHW-6A	048	Sector 1	YES	YES	YES	GOOD	Good	YES	2121	GOOD
LHW-6B	050	Sector 1	YES	YES	YES	GOOD	Good	YES	2121	GOOD
VLHW-1A	440	Sector 2	Yes	YES	Yes	GOOD	NONE	NONE	NA	GOOD
VLHW-2A	444	Sector 2	Yes	YES	Yes	GOOD	NONE	NONE	NA	GOOD
VLHW-3A	448	Sector 2	Yes	YES	Yes	GOOD	NONE	NONE	NA	GOOD
LHW-4A	450	Sector 2	Yes	YES	Yes	GOOD	NONE	NONE	NA	GOOD
LHW-4B	452	Sector 2	Yes	YES	Yes	GOOD	NONE	NONE	NA	GOOD
LHW-5A	454	Sector 2	Yes	YES	Yes	GOOD	NONE	NONE	NA	GOOD
LHW-5B	456	Sector 2	Yes	YES	Yes	GOOD	NONE	NONE	NA	GOOD
LHW-6A	458	Sector 2	Yes	YES	Yes	GOOD	NONE	NONE	NA	GOOD
LHW-6B	460	Sector 2	Yes	YES	Yes	GOOD	NONE	NONE	NA	GOOD
LHW-7A	462	Sector 2	Yes	YES	Yes	GOOD	NONE	NONE	NA	GOOD
LHW-7B	464	Sector 2	Yes	YES	Yes	GOOD	NONE	NONE	NA	GOOD
LHW-8	466	Sector 2	Yes	YES	Yes	GOOD	NONE	NONE	NA	GOOD
LHW-9	468	Sector 2	Yes	YES	Yes	GOOD	NONE	NONE	NA	GOOD
LHW-10A	470	Sector 2	Yes	YES	Yes	GOOD	NONE	NONE	NA	GOOD
LHW-10B	472	Sector 2	Yes	YES	Yes	GOOD	NONE	NONE	NA	GOOD
LHW-11	474	Sector 2	No	No	Yes	GOOD	NONE	NONE	NA	GOOD
LHW-12	476	Sector 2	No	No	Yes	GOOD	NONE	NONE	NA	GOOD
LHW-13		Sector 2	No	No	Yes	GOOD	NONE	NONE	NA	GOOD

Monitoring Well, Gas Probe, Lysimeter, and Leachate Head Well Condition Report - October 2017
ADS Seven Mile Creek Landfill - Eau Claire, WI

Common Well Name	WDNR Well ID	Well Association	Well Labeled Common Name	Well Labeled WDNR ID	Well Cap Present	Well Casing Condition	Protective Casing Condition	Well Lock	Key Number	Access/Trail condition
Groundwater Monitoring Wells										
DH-16A	136	Sector 1								
DH-16	134	Sector 1								
DH-21A	154	Sector 1								
DH-21	152	Sector 1								
DH-10	008	Sector 1								
DH-10A	120	Sector 1								
DH-8	006	Sector 1								
DH-42A	158	Sector 1	YES	YES	YES	GOOD	GOOD	YES	2121	Trail needs clearing
DH-42	156	Sector 1	YES	YES	YES	GOOD	GOOD	YES	2121	Trail needs clearing
DH-19A	146	Sector 1								
DH-19	144	Sector 1								
DH-15	130	Sector 1								
DH-15A	132	Sector 1								
DH-11R	125	Sector 1								
DH-9	007	Sector 1								
DH-4R	003	Sector 1	YES	YES	YES	GOOD	GOOD	YES	2121	GOOD
DH-7	005	Sector 1								
DH-22B	160	Sector 2	YES	YES	YES	GOOD	GOOD	YES	2121	GOOD
DH-22A	158	Sector 2	YES	YES	YES	GOOD	GOOD	YES	2121	GOOD
DH-22R	157	Sector 2	YES	YES	YES	GOOD	GOOD	YES	2121	GOOD
DH-18B	142	Sector 2	YES	YES	YES	GOOD	GOOD	YES	2121	GOOD
DH-18A	140	Sector 2	YES	YES	YES	GOOD	GOOD	YES	2121	GOOD
DH-18	138	Sector 2	YES	YES	YES	GOOD	GOOD	YES	2121	GOOD
DH-35A	194	Sector 2	YES	YES	YES	GOOD	GOOD	YES	2121	GOOD
DH-35	192	Sector 2	YES	YES	YES	GOOD	GOOD	YES	2121	GOOD
DH-33A	188	Sector 2	YES	YES	YES	GOOD	GOOD	YES	2121	GOOD
DH-33	186	Sector 2	YES	YES	YES	GOOD	GOOD	YES	2121	GOOD
DH-49A	230	Sector 2	YES	YES	YES	GOOD	GOOD	YES	2121	GOOD
DH-49	228	Sector 2	YES	YES	YES	GOOD	GOOD	YES	2121	GOOD
DH-47A	224	Sector 2	YES	YES	YES	GOOD	GOOD	YES	2121	GOOD
DH-47	222	Sector 2	YES	YES	YES	GOOD	GOOD	YES	2121	GOOD
DH-46A	220	Sector 2	YES	YES	YES	GOOD	GOOD	YES	2121	GOOD
DH-46	218	Sector 2	YES	YES	YES	GOOD	GOOD	YES	2121	GOOD
DH-39A	202	Sector 2	YES	YES	YES	GOOD	GOOD	YES	2121	GOOD
DH-39	200	Sector 2	YES	YES	YES	GOOD	GOOD	YES	2121	GOOD
DH-43A	210	Sector 2	YES	YES	YES	GOOD	GOOD	YES	2121	GOOD
DH-43	208	Sector 2	YES	YES	YES	GOOD	GOOD	YES	2121	GOOD
DH-36	196	Sector 2	YES	YES	YES	GOOD	GOOD	YES	2121	GOOD
DH-34	190	Sector 2	YES	YES	YES	GOOD	GOOD	YES	2121	GOOD
DH-32	184	Sector 2	YES	YES	YES	GOOD	GOOD	YES	2121	GOOD
DH-48	226	Sector 2	YES	YES	YES	GOOD	GOOD	YES	2121	GOOD
DH-40	204	Sector 2	YES	YES	YES	GOOD	GOOD	YES	2121	GOOD
DH-41	206	Sector 2	YES	YES	YES	GOOD	GOOD	YES	2121	GOOD
DH-52	236	Sector 2	YES	YES	YES	GOOD	GOOD	YES	2121	GOOD
DH-45	216	Sector 2	YES	YES	YES	GOOD	GOOD	YES	2121	GOOD
Lysimeters										
LY1A	400	Sector 2	YES	YES	YES	GOOD	GOOD	NONE	NA	GOOD
LY2	406	Sector 2	YES	YES	YES	GOOD	GOOD	NONE	NA	GOOD
LY3	408	Sector 2	YES	YES	YES	GOOD	GOOD	NONE	NA	GOOD
LY4	410	Sector 2	YES	YES	YES	GOOD	GOOD	NONE	NA	GOOD
Leachate Head Wells										
VLHW-1A	440	Sector 2	Yes	YES	Yes	GOOD	NONE	NONE	NA	GOOD
VLHW-2A	444	Sector 2	Yes	YES	Yes	GOOD	NONE	NONE	NA	GOOD
VLHW-3A	448	Sector 2	Yes	YES	Yes	GOOD	NONE	NONE	NA	GOOD
LHW-4A	450	Sector 2	Yes	YES	YES	GOOD	NONE	NONE	NA	GOOD
LHW-4B	452	Sector 2	YES	YES	YES	GOOD	NONE	NONE	NA	GOOD
LHW-5A	454	Sector 2	YES	YES	YES	GOOD	GOOD	NONE	NA	GOOD
LHW-5B	456	Sector 2	YES	YES	YES	GOOD	GOOD	NONE	NA	GOOD
LHW-6A	458	Sector 2	YES	YES	YES	GOOD	GOOD	NONE	NA	GOOD
LHW-6B	460	Sector 2	YES	YES	YES	GOOD	GOOD	NONE	NA	GOOD
LHW-7A	462	Sector 2	YES	YES	YES	GOOD	GOOD	NONE	NA	GOOD
LHW-7B	464	Sector 2	YES	YES	YES	GOOD	GOOD	NONE	NA	GOOD
LHW-8	466	Sector 2	YES	YES	YES	GOOD	GOOD	NONE	NA	GOOD
LHW-9	468	Sector 2	YES	YES	Yes	GOOD	GOOD	NONE	NA	GOOD
LHW-10A	470	Sector 2	YES	YES	Yes	GOOD	GOOD	NONE	NA	GOOD
LHW-10B	472	Sector 2	YES	YES	Yes	GOOD	GOOD	NONE	NA	GOOD
LHW-11	NA	Sector 2	YES	YES	Yes	GOOD	GOOD	NONE	NA	GOOD

Appendix D-4

Leachate Line Jetting Documentation

Superior Jetting

Customer Service Report

Customer: Advanced Disposal Seven Mile Creek
Contact: Operations Manager

Address: Advanced Disposal Seven Mile Creek
2626 Mondovi Road
Eau Claire, WI 54701

Report Number: 1087-revised
Date(s): 7/17 thru 7/21/2017 10/16,10/17/10/18/2017
Page: 1 of 6
On-Site Hours: 41.25
Mob. Hours: --

Description: Jet leachate system, vacuum manholes, and vacuum liftstation

Jetting Summary

No.	Length Jetted	Comments
Sector 1		
MH-8	500	Jet towards MH 3
MH-7	600	Jet towards MH 4
MH-6	700	Jet towards MH 5
MH-4	700	
MH-3	600	
MH-2	500	
LS	--	
MH-1A	175	
MH-1B	250	

Superior Jetting, Inc.
P.O. Box 357, Zimmerman, MN 55398
Phone/Fax: (763) 631-3133

No.	Length Jetted	Comments
Sector 2		
Phase 7 S CO	600	
Phase 6 S CO	600	Minor blockages throughout
Phase 5 S CO	600	
MH-8 (Phase 4)	700	
MH-9 (Phase 4)	950	
MH-10 (Phase 3)	800	Could not advance.
MH-11 (Phase 3)	950	
MH-12 (Phase 2)	950	
MH-13 (Phase 2)	950	
MH-14 (Phase 1)	725	Use Grenade Nozzle
MH-15 (Phase 1)	150	Made it past 80 ft. Jet for 30 Minutes
Phase 8 S CO	400	HDPE cap welded to vertical cleanout
Phase 9 S CO	900	
Phase 10 S CO	900	
Phase 10N CO	500	
Phase 9 N CO	500	
Phase 8 N CO	1000	
MH-16 (Phase 1)	--	Removed from new construction in 2016
MH-17 (Phase 1)	--	Removed from new construction in 2016
MH-18 (Phase 2)	--	Removed from new construction in 2016
MH-19 (Phase 2)	--	Removed from new construction in 2016
MH-20 (Phase 3)	--	Removed from new construction in 2016
MH-21 (Phase 3)	--	Removed from new construction in 2016
Phase 5 N CO	650	Ties into Phase II
Phase 6 N CO	700	
Phase 7 N CO	--	Could not locate cleanout. Possibly ties into new construction
Phase 12 CO 3	1050	
Phase 12 CO 2	1050	
Phase 12 Header	550	Hit End Cap
Phase 12 CO 1	1050	
Phase 13 CO 2	1050	
Phase 13 Header	285	
Phase 13 CO 1	625	Use ¾ inch hose. Garbage and silt in pipe.
Phase 11 CO 3	1125	Slow past 900 feet
Phase11 Header	771	
Phase 11 CO 2	1000	Slow jetting past 700'. CO needs new cap
Phase 11 Header	750	

Superior Jetting, Inc.
P.O. Box 357, Zimmerman, MN 55398
Phone/Fax: (763) 631-3133

Phase 11 CO 1	750	Used small nozzle

No.	Length Jetted	Comments
Perimeter Leachate Manhole System		
MH14-MH15	80	
MH13-MH14	80	
MH12-MH143	80	
MH11-MH12	80	
MH10-MH11	100	
MH9-MH10	80	
MH8-MH9	80	
MH7-MH8	80	
MH6-MH7	100	
MH5-MH6	100	
MH4-MH5	100	
MH3-MH4	100	
MH2-MH3	80	
MH1-MH2	80	

Superior Jetting, Inc.
P.O. Box 357, Zimmerman, MN 55398
Phone/Fax: (763) 631-3133

Additional Comments

July 17, 2017 **Arrived On-Site: 2:15 pm**

- Jetted sector 1 leachate pipe from MH-8 to distance indicated above. No problems encountered.
- Jetted sector 1 leachate pipe from MH-7 to distance indicated above. No problems encountered.
- Jetted sector 1 leachate pipe from MH-6 to distance indicated above. No problems encountered.
- Jetted phase 7 from south side to distance indicated above. No problems encountered

Left Site: 5:00 pm

July 18, 2017 **Arrived On-Site: 7:00 am**

- Jetted phase 5 from south side to distance indicated above. No problems encountered
- Jetted phase 6 from south side to distance indicated above. Minor blockages throughout.
- Jetted phase 4 leachate pipe from MH-8 to distance indicated above. No problems encountered.
- Jetted phase 4 leachate pipe from MH-9 to distance indicated above. No problems encountered.
- Jetted leachate pipe from MH-10 to distance indicated above. Jetting slow past 600 feet.
- Jetted leachate pipe from MH-11 to distance indicated above. Jetting slow past 500 feet
- Jetted leachate pipe from MH-12 to distance indicated above. Jetting slow past 500 feet.
- Jetted leachate pipe from MH-13 to distance indicated above. Jetting slow past 500 feet.
- Cleaned above ground storage tank in Sector 2. Confined space procedures followed.
- Inspected liftstation in sector 1. Confined space procedures followed.

Left Site: 4:45 pm

July 19, 2017 **Arrived On-Site: 7:00 am**

- Jetted leachate pipe from MH-14 to distance indicated above. Advanced to 600 ft.
- Jetted leachate pipe from MH-15 to distance indicated above. Advanced to 150 ft.
- Jetted phase 9 from south side to distance indicated above. No problems encountered.
- Jetted phase 10 from south side to distance indicated above. No problems encountered.
- Jetted sector 1 leachate pipe from MH-4 to distance indicated above. No problems encountered.
- Jetted sector 1 leachate pipe from MH-3 to distance indicated above. No problems encountered.
- Jetted sector 1 leachate pipe from MH-2 to distance indicated above. No problems encountered.

Superior Jetting, Inc.
P.O. Box 357, Zimmerman, MN 55398
Phone/Fax: (763) 631-3133

- Jetted sector 1 leachate pipe from MH-1A to distance indicated above. No problems encountered.
- Jetted sector 1 leachate pipe from MH-1B to distance indicated above. No problems encountered.
- Jet Phase 11 leachate pipe from CO1 to the distance indicated above. Used small nozzle.
- Jet Phase 11 leachate header pipe to the distance indicated above. No problems encountered.

Left Site: 5:00 pm

July 20, 2017 **Arrived On-Site: 8:00 am**

- Jet Phase 11 leachate pipe from CO2 to the distance indicated above. Slow jetting past 700'. CO needs new cap.
- Jet Phase 11 leachate header pipe to the distance indicated above. No problems encountered.
- Jet Phase 11 leachate pipe from CO3 to the distance indicated above. No problems encountered.
- Jet Phase 12 leachate pipe from CO1 to the distance indicated above. No problems encountered.
- Jet Phase 12 header pipe to the distance indicated above. No problems encountered.
- Jet Phase 12 leachate pipe from CO2 to the distance indicated above. No problems encountered.
- Jet Phase 12 leachate pipe from CO3 to the distance indicated above. No problems encountered.
- Jet Phase 13 leachate pipe from CO1 to the distance indicated above. Jet twice. Slow jetting past 500'. Garbage on hose, use ¾ inch hose.
- Jet Phase 13 header pipe to the distance indicated above. No problems encountered.
- Jet Phase 13 leachate pipe from CO2 to the distance indicated above. No problems encountered.
- Jet Phase 10 leachate pipe from the North CO to the distance indicated above. No problems encountered.
- Jet Phase 8 leachate pipe from the North CO to the distance indicated above. No problems encountered.

Left Site: 5:15 pm

July 21, 2017 **Arrived On-Site: 7:00 am**

- Jet Phase 9 leachate pipe from the North CO to the distance indicated above. No problems encountered.
- Jet Phase 8 leachate pipe from the South CO to the distance indicated above. No problems encountered.
- Jet gravity line in sector 2 from MH 15 to the liftstation.
- Partially cleaned liftstation in Sector 2. Had to abandon cleaning because of high ammonia levels. Could not vent liftstation properly for entry.

Left Site: 4:30 pm

Superior Jetting, Inc.
P.O. Box 357, Zimmerman, MN 55398
Phone/Fax: (763) 631-3133

October 17, 2017 **Arrived On-Site: 7:00 am**

- Jetted leachate pipe from MH-14 to distance indicated above. Advanced to 725 ft.
- Jetted leachate pipe from MH-13 to distance indicated above. Advanced to 950 ft.
- Jetted leachate pipe from MH-12 to distance indicated above. Advanced to 950 ft.

Left Site: 5:15 pm

October 18, 2017 **Arrived On-Site: 7:15 am**

- Jetted leachate pipe from MH-11 to distance indicated above. Advanced to 950 ft.
- Jetted leachate pipe from MH-10 to distance indicated above. Could not advance past 800 ft.
- Jetted leachate pipe from MH-9 to distance indicated above. Advanced to 950 ft.
- Jet Phase 13 leachate pipe from CO5A to the distance indicated above. Could not advance past 625ft. Garbage and silt on hose while pulling back. Superior Jetting will continue to work on pipe in the future.
- Jet Phase 11 leachate pipe from CO1A to the distance indicated above. Advanced to 750 ft.

Left Site: 4:45 pm

Superior Jetting, Inc.
P.O. Box 357, Zimmerman, MN 55398
Phone/Fax: (763) 631-3133

Appendix E

Groundwater Monitoring

Attachment E-1

Groundwater Monitoring Reports
(SCS Engineers)

Environmental Consultants
and Contractors

2830 Dairy Drive
Madison, WI 53718-6751

608 224-2830
FAX 608 224-2839
www.scsengineers.com

SCS ENGINEERS

June 20, 2017
File No. 25217016.00

GEMS Data Submittal Contact – WA/5
Wisconsin Department of Natural Resources
Bureau of Waste Management
P.O. Box 7921
Madison, WI 53707-7921

Subject: Environmental Monitoring Data Submittal – April 2017
Advanced Disposal Services Seven Mile Creek Landfill – Sector 1
Eau Claire, Wisconsin
WDNR License No. 2821
FID No. 618009260

Dear GEMS Data Submittal Contact:

On behalf of Advanced Disposal Services, SCS Engineers is submitting environmental monitoring results for April 2017 for Seven Mile Creek Landfill – Sector 1. This submittal includes the electronic data file of the monitoring results on a compact disk (CD), the Environmental Monitoring Data Certification form, and a summary of parameters detected at values above NR 140 Groundwater Quality Standards, well-specific preventive action limits (PALs), or alternative concentration limits (ACLs) (**Table 1**).

Included in this submittal are the analytical results and associated field data for the following monitoring points:

- Groundwater monitoring wells (DH-4R through DH-21A, DH-42, and DH-42A)
- Leachate sample point (LEACHATE TANK-1)

Additional environmental monitoring field data are being submitted separately by Environmental Sampling Corporation.

Field monitoring was performed by Short, Elliot, Hendrickson, Inc., (SEH) of Chippewa Falls, Wisconsin. The monitoring by SEH was conducted between April 11 and 13, 2017. Laboratory analysis was performed by Pace Analytical Services of Green Bay, Wisconsin.

This letter provides the following information:

- List of NR 140 groundwater standard exceedances and a preliminary analysis of the cause and significance of the exceedances
- Explanation of any deviations from the approved sampling plan

NR 140 GROUNDWATER STANDARD EXCEEDANCES

Groundwater monitoring data were compared to the NR 140 Groundwater Quality Standards for parameters that have established PALs and enforcement standards (ESs). The results were also compared to well-specific PALs and ACLs approved for DH-04R, which is a well that is also in the Seven Mile Creek Landfill Sector 2 monitoring program. There are no well-specific PALs and ACLs approved for the remainder of the wells in the Sector 1 monitoring program. As noted on **Table 1**, there were no constituents detected at concentrations above a PAL or ES.

MONITORING PROGRAM COMMENTS

The monitoring was performed in accordance with the monitoring plan approved by the Wisconsin Department of Natural Resources in the Plan Modification Approval for Groundwater Monitoring Reductions, Seven Mile Creek Landfill – Sector 1, dated December 18, 2007. There were no deviations from the approved monitoring plan for the monitoring results reported in this submittal.

If you have any questions regarding the information included in this submittal, please call us at 608-224-2830.

Sincerely,

Sherren Clark, PE, PG
Project Director
SCS ENGINEERS

Betty J. Socha, PG, PhD
Senior Project Manager
SCS ENGINEERS

BJS/jsn/SCC

Enclosures: Table 1 – NR 140 Exceedance Summary
Groundwater Monitoring Data Certification Form
GEMS Data CD

cc: Kari Rabideau, Advanced Disposal Services (e-copy only)
Mike Niewind, Advanced Disposal Services (e-copy only)
Mark Vinall, ADS Seven Mile Creek Landfill (2 copies of letter, 1 CD)
Frank Perugini, Environmental Sampling Corp. (w/o CD)
Brian Kent, SEH, Inc., (e-copy only)

Table 1
NR 140 Exceedance Summary

Site ID: **02821**
Site Name: **ADS Seven Mile Creek Landfill - Sector 1**
Reporting Period: **April 2017**

Groundwater Results Exceeding NR 140 Standards

Well	Parameter	Result	PAL	ES	Exceedance Type
None					

Notes:
PAL = Preventive Action Limit
ES = Enforcement Standard

Prepared by: AV, 6/6/2017
Checked by: BJS, 6/13/2017

State of Wisconsin
Department of Natural Resources
dnr.wi.gov

Environmental Monitoring Data Certification

Form 4400-231 (R 5/17)

Notice: Personally identifiable information collected will be used for program administration and enforcement purposes. The Department may also provide this information to requesters as required under Wisconsin's Open Records law, ss. 19.31 to 19.39, Wis. Stats.
When submitting monitoring data, the owner or operator of the facility, practice or activity is required to notify the Department in writing that a groundwater standard or an explosive gas level has been attained or exceeded, as specified in ss. NR 140.24(1)(a); NR 140.26(1)(a); NR 507.30NR 635.14(9)(a); NR 635.18(20) and NR 507.30, Wis. Adm. Code. Failure to report may result in fines, forfeitures or other penalties resulting from enforcement under ss. 289.97, 291.97 or 299.95, Wis. Stats

Instructions:

- **Prepare one form for each license or monitoring ID.**
- **Please type or print legibly.**
- Attach a notification of any values that attain or exceed groundwater standards (that is, preventive action limits, enforcement standards or alternative concentration limits). The notification must include a preliminary analysis of the cause and significance of each value.
- Attach a notification of any gas values that attain or exceed explosive gas levels.
- Send the original signed form, any notification, and Electronic Data Deliverable [EDD] to: GEMS Data Submittal Contact - WA/5
  Wisconsin Department of Natural Resources
  P.O. Box 7921
  Madison, WI 53707-7921

Monitoring Data Submittal Information

Name of entity submitting data (laboratory, consultant, facility owner)
SCS Engineers

Contact for questions about data formatting. Include data preparer's name, telephone number and Email address:

Name	Phone No. (include area code)
Mari Bull	(830) 644-2130

Email
mbull@scsengineers.com

Facility Name
Advanced Disposal Services Seven-Mile Creek Landfill - Sector 1

License # / Monitoring ID	Facility ID (FID)
02821	618009260

Actual sampling dates (e.g., July 2-6, 2003)	The enclosed results are for sampling required in the month(s) of: (e.g., June 2003)
April 11-13, 2017	April 2017

Type of Data Submitted (Check all that apply):

- [x] Groundwater monitoring data from monitoring wells
- [ ] Groundwater monitoring data from private water supply wells
- [x] Leachate monitoring data
- [ ] Gas monitoring data
- [ ] Air monitoring data
- [ ] Other (specify):

Notification attached?

- [x] No. No groundwater standards or explosive gas limits were exceeded.
- [ ] Yes, a notification of values exceeding a groundwater standard is attached. It includes a list of monitoring points, dates, sample values, groundwater standard and preliminary analysis of the cause and significance of any concentration.
- [ ] Yes, a notification of values exceeding an explosive gas limit is attached. It includes the monitoring points, dates, sample values and explosive gas limits.

Certification

To the best of my knowledge, the information reported and statements made on this data submittal and attachments are true and correct. Furthermore, I have attached complete notification of any sampling values meeting or exceeding groundwater standards or explosive gas levels, and a preliminary analysis of the cause and significance of concentrations exceeding groundwater standards.

Facility Representative Name (Print)	Title	Phone No. (include area code)
Sherren Clark, SCS Engineers	Project Manager	(608) 216-7323

Signature

6-15-17
Date Signed (mm/dd/yyyy)

For DNR Use Only

Check action taken, and record date and your initials. Describe on back side if necessary.

- [ ] Found uploading problems on _____ Initials
- [ ] Notified contact of problems on _____ Uploaded data successfully on _____

EDD format(s): [ ] Diskette [ ] CD (initial submittal and follow-up) [ ] E-mail (follow-up only) [ ] Other: _____

Environmental Consultants
and Contractors

2830 Dairy Drive
Madison, WI 53718-6751

608 224-2830
FAX 608 224-2839
www.scsengineers.com

SCS ENGINEERS

June 30, 2017
File No. 25217011.00

GEMS Data Submittal Contact – WA/5
Wisconsin Department of Natural Resources
Bureau of Waste Management
P.O. Box 7921
Madison, WI 53707-7921

Subject: Environmental Monitoring Data Submittal – April 2017
Advanced Disposal Services Seven Mile Creek Landfill – Sector 2
Eau Claire, Wisconsin
WDNR License No. 3097, FID No. 618045450

Dear GEMS Data Submittal Contact:

On behalf of Advanced Disposal Services, SCS Engineers is submitting environmental monitoring results for April 2017 for the Seven Mile Creek Landfill (SMCL) – Sector 2. This submittal includes the electronic data file of the monitoring results on a compact disk (CD), the Environmental Monitoring Data Certification form, and a summary of parameters detected at values above NR 140 Groundwater Quality Standards, well-specific preventive action limits (PALs), or alternative concentration limits (ACLs) (**Table 1**).

Included in this submittal are the analytical results and associated field data for the following monitoring points:

- Groundwater monitoring wells (DH-01, DH04R, and DH18 through DH-53)
- Private supply wells (PW-2, PW-26, PW-28, and PW-30)
- Surface water (STREAM-1, STREAM-2, and STREAM-3)
- Lysimeters (L-1A, L-2, L-3, and L-4)
- Leachate sample point (LEACHATE TANK (LE-2))
- Gas (Blower Outlet)

Additional environmental monitoring field data are being submitted separately by Environmental Sampling Corporation.

Gas sampling was conducted on December 7, 2016, by Environmental Sampling Corporation of Muskego, Wisconsin. All other field monitoring was performed by Short, Elliot, Hendrickson, Inc., (SEH) of Chippewa Falls, Wisconsin, on April 10-17, 2017. SEH also performed leachate sampling on January 19, 2017. Laboratory analysis was performed by Pace Analytical Services of Green Bay, Wisconsin, with the exception of gas analysis which was performed by ALS, of Simi Valley, California.

This letter provides the following information:

- List of NR 140 groundwater standard exceedances and a preliminary analysis of the cause and significance of the exceedances
- Explanation of any deviations from the approved sampling plan

NR 140 GROUNDWATER STANDARD EXCEEDANCES

Groundwater monitoring data were compared to the NR 140 Groundwater Quality Standards for parameters that have established PALs and enforcement standards (ESs), and to well-specific PALs and ACLs approved for the wells that are in the Seven Mile Creek Landfill Sector 2 monitoring program. **Table 1** summarizes the constituents that were detected at concentrations above a PAL or ES. The cause and significance of the April 2017 standard exceedances are discussed below.

Public Health Parameters

Benzene at DH-52 – Benzene was detected at a concentration of 1.4 micrograms per liter in April 2017, which exceeds the PAL but is below the ES. This is the first detection of benzene at this well; however, the PAL for benzene has been exceeded at DH-53 in each sampling event since April 2012. The April 2017 results for the DH-52 sample are similar to previous results from DH-53. There appears to be a potential that the samples from DH-52 and DH-53 were switched, but the field documentation does not include an indication that the samples were switched. The results are therefore reported as is. Further analysis of the cause and significance of the reported benzene detection at DH-52 will be provided if the PAL exceedance is confirmed in the next monitoring event.

Public Welfare and Indicator Parameters

Specific Conductance and Alkalinity at DH-34 – The PALs for these parameters were exceeded at DH-34 in April 2017. Results for these parameters increased beginning in late 2010 or early 2011, and now appear to be stable or decreasing. The well is located between Sector 2 and the closed Town of Seymour Landfill.

Specific Conductivity, Alkalinity, and Hardness at DH-35 – The PALs for these parameters were exceeded at DH-35 in April 2017. Results for these parameters increased beginning in 2013 or 2014, and now appear to be stable or variable at concentrations near the PALs. The well is located between the two Sectors of SMCL and near the closed Town of Seymour Landfill.

MONITORING PLAN COMMENTS

The monitoring was performed in accordance with the Revised Summary of Environmental Monitoring Requirements for the Advanced Disposal Services Seven Mile Creek Sector 2, License 3097, dated February 28, 2017, and the July 19, 2007 Organic Stability Plan Approval, with no deviations from the approved monitoring plan for the monitoring results reported in this submittal.

If you have any questions regarding the information included in this submittal, please call us at 608-224-2830.

Sincerely,

Sherren Clark, PE, PG
Project Director
SCS ENGINEERS

Betty J. Socha, PhD, PG
Senior Project Manager
SCS ENGINEERS

BJS/jsn/SCC

Enclosures: Table 1 – NR 140 Exceedance Summary
Groundwater Monitoring Data Certification Form
GEMS Data CD

cc: Kari Rabideau, Advanced Disposal Services (e-copy only)
Mike Niewind, Advanced Disposal Services (e-copy only)
Tim Curry, Advanced Disposal Services (e-copy only)
Mark Vinall, ADS Seven Mile Creek Landfill (2 copies of letter, 1 CD)
Frank Perugini, Environmental Sampling Corp. (w/o CD)
Brian Kent, SEH, Inc., (e-copy only)
Tyler Field, Cornerstone (e-copy only)

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Table 1
NR 140 Exceedance Summary

Site ID: **3097**
Site Name: **Seven-Mile Creek Landfill - Sector 2**
Reporting Period: **April 2017**

Groundwater Results Exceeding NR 140 Standards

Well	Parameter	Result	PAL	ES	Exceedance Type
DH-34	Alkalinity, total filtered (mg/l as CaCO3)	188	120		PAL (Indicator)
	Specific conductance-field (umhos/cm @ 25c)	578	320		PAL (Indicator)
DH-35	Alkalinity, total filtered (mg/l as CaCO3)	232	200		PAL (Indicator)
	Hardness, total, filtered (mg/l as CaCO3)	246	210		PAL (Indicator)
	Specific conductance-field (umhos/cm @ 25c)	451	380		PAL (Indicator)
DH-52	Benzene (ug/l)	1.4	0.5	5	PAL

Notes:
PAL = Preventive Action Limit
ES = Enforcement Standard
ug/l = micrograms per liter
mg/l = milligrams per liter

Prepared by: AV, 6/8/2017
Checked by: BJS 6/9/2017

State of Wisconsin
Department of Natural Resources
dnr.wi.gov

Environmental Monitoring Data Certification

Form 4400-231 (R 5/17)

Notice: Personally identifiable information collected will be used for program administration and enforcement purposes. The Department may also provide this information to requesters as required under Wisconsin's Open Records law, ss. 19.31 to 19.39, Wis. Stats.
When submitting monitoring data, the owner or operator of the facility, practice or activity is required to notify the Department in writing that a groundwater standard or an explosive gas level has been attained or exceeded, as specified in ss. NR 140.24(1)(a); NR 140.26(1)(a); NR 507.30NR 635.14(9)(a); NR 635.18(20) and NR 507.30, Wis. Adm. Code. Failure to report may result in fines, forfeitures or other penalties resulting from enforcement under ss. 289.97, 291.97 or 299.95, Wis. Stats

Instructions:

- **Prepare one form for each license or monitoring ID.**
- **Please type or print legibly.**
- Attach a notification of any values that attain or exceed groundwater standards (that is, preventive action limits, enforcement standards or alternative concentration limits). The notification must include a preliminary analysis of the cause and significance of each value.
- Attach a notification of any gas values that attain or exceed explosive gas levels.
- Send the original signed form, any notification, and Electronic Data Deliverable [EDD] to: GEMS Data Submittal Contact - WA/5
  Wisconsin Department of Natural Resources
  P.O. Box 7921
  Madison, WI 53707-7921

Monitoring Data Submittal Information

Name of entity submitting data (laboratory, consultant, facility owner)
SCS Engineers

Contact for questions about data formatting. Include data preparer's name, telephone number and Email address:

Name	Phone No. (include area code)
Mari Bull	(830) 644-2130

Email
mbull@scsengineers.com

Facility Name
Advanced Disposal Services, Seven-Mile Creek Landfill - Sector 2

License # / Monitoring ID	Facility ID (FID)
3097	618045450

Actual sampling dates (e.g., July 2-6, 2003)	The enclosed results are for sampling required in the month(s) of: (e.g., June 2003)
2016-12/7; 2017-1/19, 4/10-14, 17	2016 December, 2017 January and April

Type of Data Submitted (Check all that apply):

- [x] Groundwater monitoring data from monitoring wells
- [x] Groundwater monitoring data from private water supply wells
- [x] Leachate monitoring data
- [x] Gas monitoring data
- [ ] Air monitoring data
- [x] Other (specify): Lysimeter, Surface Water

Notification attached?

- [ ] No. No groundwater standards or explosive gas limits were exceeded.
- [x] Yes, a notification of values exceeding a groundwater standard is attached. It includes a list of monitoring points, dates, sample values, groundwater standard and preliminary analysis of the cause and significance of any concentration.
- [ ] Yes, a notification of values exceeding an explosive gas limit is attached. It includes the monitoring points, dates, sample values and explosive gas limits.

Certification

To the best of my knowledge, the information reported and statements made on this data submittal and attachments are true and correct. Furthermore, I have attached complete notification of any sampling values meeting or exceeding groundwater standards or explosive gas levels, and a preliminary analysis of the cause and significance of concentrations exceeding groundwater standards.

Facility Representative Name (Print)	Title	Phone No. (include area code)
Sherren Clark, SCS Engineers	Project Manager	(608) 216-7323

Signature

6-15-17
Date Signed (mm/dd/yyyy)

For DNR Use Only

Check action taken, and record date and your initials. Describe on back side if necessary.

- [ ] Found uploading problems on _____ Initials
- [ ] Notified contact of problems on _____ Uploaded data successfully on _____

EDD format(s): [ ] Diskette [ ] CD (initial submittal and follow-up) [ ] E-mail (follow-up only) [ ] Other: _____

Environmental Consultants
and Contractors

2830 Dairy Drive
Madison, WI 53718-6751

608 224-2830
FAX 608 224-2839
www.scsengineers.com

SCS ENGINEERS

December 22, 2017
File No. 25217016.00

GEMS Data Submittal Contact – WA/5
Wisconsin Department of Natural Resources
Bureau of Waste Management
P.O. Box 7921
Madison, WI 53707-7921

Subject: Environmental Monitoring Data Submittal – October 2017
Advanced Disposal Services Seven Mile Creek Landfill – Sector 1
Eau Claire, Wisconsin
WDNR License No. 2821, FID No. 618009260

Dear GEMS Data Submittal Contact:

On behalf of Advanced Disposal Services, SCS Engineers is submitting environmental monitoring results for October 2017 for the Seven Mile Creek Landfill – Sector 1. This submittal includes the electronic data file of the monitoring results on a compact disk (CD), the Environmental Monitoring Data Certification form, and a summary of parameters detected at values above NR 140 Groundwater Quality Standards, well-specific preventive action limits (PALs), or alternative concentration limits (ACLs) (**Table 1**).

This submittal provides the analytical results and associated field data for:

- Groundwater monitoring wells DH-4R, DH-42, and DH-42A.

Additional environmental monitoring field data are being submitted separately by Environmental Sampling Corporation. Field monitoring was performed by Short, Elliot, Hendrickson, Inc., on October 4, 2017. Laboratory analysis was performed by Pace Analytical Services of Green Bay, Wisconsin.

This letter provides a list of NR 140 groundwater standard exceedances and a preliminary analysis of the cause and significance of the exceedances, and an explanation of any deviations from the approved sampling plan, if any.

NR 140 GROUNDWATER STANDARD EXCEEDANCES

Groundwater monitoring data were compared to the NR 140 Groundwater Quality Standards for parameters that have established PALs and enforcement standards (ESs). The results were also compared to well-specific PALs and ACLs approved for DH-04R, which is also in the Seven Mile Creek Landfill Sector 2 monitoring program. There are no well-specific PALs and ACLs approved for the remainder of the wells in the Seven Mile Creek Landfill Sector 1 monitoring

program. As noted on **Table 1**, there were no constituents detected at concentrations above a PAL or ES.

MONITORING PROGRAM COMMENTS

The monitoring was performed in accordance with the monitoring plan approved by the Wisconsin Department of Natural Resources in the Plan Modification Approval for Groundwater Monitoring Reductions, Seven Mile Creek Landfill – Sector 1, dated December 18, 2007. There were no deviations from the approved monitoring plan for the monitoring results reported in this submittal.

If you have any questions regarding the information included in this submittal, please call us at (608)224-2830.

Sincerely,

Sherren Clark, PE, PG
Project Director
SCS ENGINEERS

Betty J. Socha, PG, PhD
Senior Project Manager
SCS ENGINEERS

BJS/AJR/SCC

Enclosures: Table 1 – NR 140 Exceedance Summary
Groundwater Monitoring Data Certification Form
GEMS Data CD

cc: Tim Curry, Advanced Disposal Services (e-copy only)
Mike Niewind, Advanced Disposal Services (e-copy only)
Mark Vinall, ADS Seven Mile Creek Landfill (2 copies of letter, 1 CD)
Frank Perugini, Environmental Sampling Corp. (w/o CD)
Brian Kent, SEH, Inc. (e-copy only)
Kari Rabideau, Advanced Disposal Services (e-copy only)

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Table 1
NR 140 Exceedance Summary

Site ID: **02821**
Site Name: **ADS Seven Mile Creek Landfill - Sector 1**
Reporting Period: **October 2017**

Groundwater Results Exceeding NR 140 Standards

Well	Parameter	Result	PAL	ES	Exceedance Type
None					

Notes:
PAL = Preventive Action Limit
ES = Enforcement Standard

Prepared by: AJR, 11/30/2017
Checked by: BJS, 11/30/2017

State of Wisconsin
Department of Natural Resources
dnr.wi.gov

Environmental Monitoring Data Certification

Form 4400-231 (R 5/17)

Notice: Personally identifiable information collected will be used for program administration and enforcement purposes. The Department may also provide this information to requesters as required under Wisconsin's Open Records law, ss. 19.31 to 19.39, Wis. Stats.
When submitting monitoring data, the owner or operator of the facility, practice or activity is required to notify the Department in writing that a groundwater standard or an explosive gas level has been attained or exceeded, as specified in ss. NR 140.24(1)(a); NR 140.26(1)(a); NR 507.30NR 635.14(9)(a); NR 635.18(20) and NR 507.30, Wis. Adm. Code. Failure to report may result in fines, forfeitures or other penalties resulting from enforcement under ss. 289.97, 291.97 or 299.95, Wis. Stats

Instructions:

- **Prepare one form for each license or monitoring ID.**
- **Please type or print legibly.**
- Attach a notification of any values that attain or exceed groundwater standards (that is, preventive action limits, enforcement standards or alternative concentration limits). The notification must include a preliminary analysis of the cause and significance of each value
- Attach a notification of any gas values that attain or exceed explosive gas levels.
- Send the original signed form, any notification, and Electronic Data Deliverable [EDD] to: GEMS Data Submittal Contact - WA/5
  Wisconsin Department of Natural Resources
  P.O. Box 7921
  Madison, WI 53707-7921

Monitoring Data Submittal Information

Name of entity submitting data (laboratory, consultant, facility owner)
SCS Engineers

Contact for questions about data formatting. Include data preparer's name, telephone number and Email address:

Name	Phone No. (include area code)
Ashley Radunzel	(608) 224-2830

Email
aradunzel@scsengineers.com

Facility Name
Advanced Disposal Services Seven-Mile Creek Landfill - Sector 1

License # / Monitoring ID	Facility ID (FID)
02821	618009260

Actual sampling dates (e.g., July 2-6, 2003)	The enclosed results are for sampling required in the month(s) of: (e.g., June 2003)
October 4, 2017	October 2017

Type of Data Submitted (Check all that apply):

- [x] Groundwater monitoring data from monitoring wells
- [ ] Groundwater monitoring data from private water supply wells
- [ ] Leachate monitoring data
- [ ] Gas monitoring data
- [ ] Air monitoring data
- [ ] Other (specify):

Notification attached?

- [x] No. No groundwater standards or explosive gas limits were exceeded.
- [ ] Yes, a notification of values exceeding a groundwater standard is attached. It includes a list of monitoring points, dates, sample values, groundwater standard and preliminary analysis of the cause and significance of any concentration
- [ ] Yes, a notification of values exceeding an explosive gas limit is attached. It includes the monitoring points, dates, sample values and explosive gas limits.

Certification

To the best of my knowledge, the information reported and statements made on this data submittal and attachments are true and correct. Furthermore, I have attached complete notification of any sampling values meeting or exceeding groundwater standards or explosive gas levels, and a preliminary analysis of the cause and significance of concentrations exceeding groundwater standards.

Facility Representative Name (Print)	Title	Phone No. (include area code)
Betty J. Socha, SCS Engineers	Project Manager	(608) 216-7331

Betty J Socha
Signature

30 Nov 2017
Date Signed (mm/dd/yyyy)

For DNR Use Only

Check action taken, and record date and your initials. Describe on back side if necessary.

- [ ] Found uploading problems on _____ Initials
- [ ] Notified contact of problems on _____ Uploaded data successfully on _____

EDD format(s): [ ] Diskette [ ] CD (initial submittal and follow-up) [ ] E-mail (follow-up only) [ ] Other: _____

Environmental Consultants
and Contractors

2830 Dairy Drive
Madison, WI 53718-6751

608 224-2830
FAX 608 224-2839
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SCS ENGINEERS

December 28, 2017
File No. 25217011.00

GEMS Data Submittal Contact – WA/5
Wisconsin Department of Natural Resources
Bureau of Waste Management
P.O. Box 7921
Madison, WI 53707-7921

Subject: Environmental Monitoring Data Submittal – July & October 2017
Advanced Disposal Services Seven Mile Creek Landfill – Sector 2
Eau Claire, Wisconsin
WDNR License No. 3097, FID No. 618045450

Dear GEMS Data Submittal Contact:

On behalf of Advanced Disposal Services, SCS Engineers is submitting environmental monitoring results for July and October 2017 for the Seven Mile Creek Landfill (SMCL) – Sector 2. This submittal includes the electronic data file of the monitoring results on a compact disk (CD), the Environmental Monitoring Data Certification form, and a summary of parameters detected at values above NR 140 Groundwater Quality Standards, well-specific preventive action limits (PALs), or alternative concentration limits (ACLs) (**Table 1**).

Included in this submittal are the October 2017 analytical results and associated field data for the following monitoring points:

- Groundwater monitoring wells (DH-01, DH-04R, and DH-18 through DH-53)
- Private supply wells (PW-2, PW-26, PW-28, and PW-30)
- Surface water (STREAM-1, STREAM-2, and STREAM-3)
- Lysimeters (L-1A, L-2, L-3, and L-4)
- Sector 2 Leachate Tank (LE-2)

Also include in this submittal are the July 2017 analytical results and associated field data for the following monitoring point:

- Sector 2 Leachate Tank (LE-2)

Additional environmental monitoring field data are being submitted separately by Environmental Sampling Corporation.

Field monitoring was performed July 20, 2017, and October 2 to 6, 2017, by Short, Elliot, Hendrickson, Inc., of Chippewa Falls, Wisconsin. Laboratory analysis was performed by Pace Analytical Services of Green Bay, Wisconsin.

The water supply well sampling results for October 2017 were submitted in pdf format via electronic mail to the Wisconsin Department of Natural Resources on October 30, 2017. There were no results for the water supply wells that exceeded NR 140 PALs.

This letter provides the following information:

- List of NR 140 groundwater standard exceedances and a preliminary analysis of the cause and significance of the exceedances
- Explanation of any deviations from the approved sampling plan

NR 140 GROUNDWATER STANDARD EXCEEDANCES

Groundwater monitoring data were compared to the NR 140 Groundwater Quality Standards for parameters that have established PALs and enforcement standards (ESs), and to well-specific PALs and ACLs approved for the wells that are in the Seven Mile Creek Landfill Sector 2 monitoring program. **Table 1** summarizes the constituents that were detected at concentrations above a PAL or ES. The cause and significance of the October 2017 standard exceedances are discussed below. No standards were exceeded for health-based parameters or public welfare-based parameters.

Indicator Parameters

Alkalinity and Specific Conductance at DH-34 – The PALs for these parameters were exceeded at DH-34. Results for these parameters increased beginning in late 2010 or early 2011, and now appear to be stable or decreasing. The well is located between Sector 2 and the closed Town of Seymour Landfill.

Alkalinity, Hardness, Specific Conductivity at DH-35 – The PALs for these parameters were exceeded at this Subtitle-D well. The PAL for specific conductance at DH-35 has been exceeded periodically since October 2013. The PALs for alkalinity and/or hardness were also slightly exceeded in the samples from this well starting in April 2014. The well is located between the two Sectors of SMCL and near the closed Town of Seymour Landfill.

Specific Conductivity at DH-35A – This is the first PAL exceedance for specific conductance at DH-35A. An evaluation of the cause and significance of the exceedance will be provided if the exceedance is confirmed by additional results. The well is located between the two Sectors of SMCL and near the closed Town of Seymour Landfill.

Specific Conductance at DH-45 – The PAL for specific conductance was exceeded at DH-45 in October 2016 and in October 2017 (but not in April 2017). The results may indicate seasonal variation in groundwater composition. This is the second PAL exceedance for specific conductance at this well. Additional evaluation of the cause and significance of the exceedance will be provided if the trend continues. The well is located upgradient of Sector 2.

MONITORING PLAN COMMENTS

The monitoring was performed in accordance with the Revised Summary of Environmental Monitoring Requirements for the Advanced Disposal Services Seven Mile Creek Sector 2, License 3097, dated February 28, 2017, and the July 19, 2007 Organic Stability Plan Approval, with no deviations from the approved monitoring plan for the monitoring results reported in this submittal.

Per the requirement of the 2007 Organic Stability Plan Approval, data submitted for the leachate tank monitoring point LE-2 includes results for ammonia, biological oxygen demand (BOD), chemical oxygen demand (COD), hardness, and alkalinity for samples collected in July 2017.

Monitoring well DH-53 is listed in the 2017 Revised Summary of Environmental Monitoring Requirements, as "Monitoring point to be abandoned." DH-53 was abandoned on August 3, 2017. Documentation of the well abandonment was submitted to the WDNR on October 2, 2017.

If you have any questions regarding the information included in this submittal, please call us at 608-224-2830.

Sincerely,

Sherren Clark, PE, PG
Project Director
SCS ENGINEERS

Betty J. Socha, PG, PhD
Senior Project Manager
SCS ENGINEERS

BJS/AJR/SCC

Enclosures: Table 1 – NR 140 Exceedance Summary
Groundwater Monitoring Data Certification Form
GEMS Data CD

cc: Kari Rabideau, Advanced Disposal Services (e-copy only)
Mike Niewind, Advanced Disposal Services (e-copy only)
Tim Curry, Advanced Disposal Services (e-copy only)
Mark Vinall, ADS Seven Mile Creek Landfill (2 copies of letter, 1 CD)
Frank Perugini, Environmental Sampling Corp. (w/o CD)
Brian Kent, SEH, Inc., (e-copy only)
Tyler Field, Cornerstone Environmental Group (e-copy only)

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Table 1
NR 140 Exceedance Summary

Site ID: **3097**
Site ID: **Seven-Mile Creek Landfill - Sector 2**
Reporting Period: **October 2017**

Groundwater Results Exceeding NR 140 Standards

Well	Parameter	Result	PAL	ES	Exceedance Type
DH-34	Alkalinity, total filtered (mg/l as CaCO3)	121	120		PAL (Indicator)
	Specific conductance-field (umhos/cm @ 25c)	574	320		PAL (Indicator)
DH-35	Alkalinity, total filtered (mg/l as CaCO3)	250	200		PAL (Indicator)
	Hardness, total, filtered (mg/l as CaCO3)	276	210		PAL (Indicator)
	Specific conductance-field (umhos/cm @ 25c)	450	380		PAL (Indicator)
DH-35A	Hardness, total, filtered (mg/l as CaCO3)	196	180		PAL (Indicator)
DH-45	Specific conductance-field (umhos/cm @ 25c)	538	460		PAL (Indicator)

Groundwater Results with Estimated Concentration Above an NR 140 PAL or ES and Below the LOQ

Note: If both the result and the PAL or ES are above the limit of detection but below the limit of quantitation, the result is not considered a PAL or ES exceedance under NR 140.14(3)(c). If the PAL or ES is below the limit of detection and the result is below the limit of quantitation, the result is not considered a PAL or ES exceedance without additional confirmation as described in NR 140.14(3)(b).

Well	Parameter	Result	LOD/LOQ	PAL	ES
None					

Notes:
PAL = Preventive Action Limit
ES = Enforcement Standard
mg/l = milligrams per liter

Prepared by: AJR, 11/30/2017
Checked by: BJS, 12/2/2017

State of Wisconsin
Department of Natural Resources
dnr.wi.gov

Environmental Monitoring Data Certification

Form 4400-231 (R 5/17)

Notice: Personally identifiable information collected will be used for program administration and enforcement purposes. The Department may also provide this information to requesters as required under Wisconsin's Open Records law, ss. 19.31 to 19.39, Wis. Stats.
When submitting monitoring data, the owner or operator of the facility, practice or activity is required to notify the Department in writing that a groundwater standard or an explosive gas level has been attained or exceeded, as specified in ss. NR 140.24(1)(a); NR 140.26(1)(a); NR 507.30NR 635.14(9)(a); NR 635.18(20) and NR 507.30, Wis. Adm. Code. Failure to report may result in fines, forfeitures or other penalties resulting from enforcement under ss. 289.97, 291.97 or 299.95, Wis. Stats

Instructions:

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- **Please type or print legibly.**
- Attach a notification of any values that attain or exceed groundwater standards (that is, preventive action limits, enforcement standards or alternative concentration limits). The notification must include a preliminary analysis of the cause and significance of each value.
- Attach a notification of any gas values that attain or exceed explosive gas levels.
- Send the original signed form, any notification, and Electronic Data Deliverable [EDD] to: GEMS Data Submittal Contact - WA/5
  Wisconsin Department of Natural Resources
  P.O. Box 7921
  Madison, WI 53707-7921

Monitoring Data Submittal Information

Name of entity submitting data (laboratory, consultant, facility owner)
SCS Engineers

Contact for questions about data formatting. Include data preparer's name, telephone number and Email address:

Name	Phone No. (include area code)
Ashley Radunzel	(608) 224-2830

Email
aradunzel@scsengineers.com

Facility Name
Advanced Disposal Services, Seven-Mile Creek Landfill - Sector 2

License # / Monitoring ID	Facility ID (FID)
3097	618045450

Actual sampling dates (e.g., July 2-6, 2003)	The enclosed results are for sampling required in the month(s) of: (e.g., June 2003)
2017: July 20, October 2-6	July and October 2017

Type of Data Submitted (Check all that apply):

- [x] Groundwater monitoring data from monitoring wells
- [x] Groundwater monitoring data from private water supply wells
- [x] Leachate monitoring data
- [ ] Gas monitoring data
- [ ] Air monitoring data
- [x] Other (specify): Lysimeter, Surface Water

Notification attached?

- [ ] No. No groundwater standards or explosive gas limits were exceeded.
- [x] Yes, a notification of values exceeding a groundwater standard is attached. It includes a list of monitoring points, dates, sample values, groundwater standard and preliminary analysis of the cause and significance of any concentration.
- [ ] Yes, a notification of values exceeding an explosive gas limit is attached. It includes the monitoring points, dates, sample values and explosive gas limits.

Certification

To the best of my knowledge, the information reported and statements made on this data submittal and attachments are true and correct. Furthermore, I have attached complete notification of any sampling values meeting or exceeding groundwater standards or explosive gas levels, and a preliminary analysis of the cause and significance of concentrations exceeding groundwater standards.

Facility Representative Name (Print)	Title	Phone No. (include area code)
Betty J. Socha, SCS Engineers	Project Manager	(608) 216-7331

Betty J Socha
Signature

30 Nov 2017
Date Signed (mm/dd/yyyy)

For DNR Use Only

Check action taken, and record date and your initials. Describe on back side if necessary.

- [ ] Found uploading problems on _____ Initials
- [ ] Notified contact of problems on _____ Uploaded data successfully on _____

EDD format(s): [ ] Diskette [ ] CD (initial submittal and follow-up) [ ] E-mail (follow-up only) [ ] Other: _____

Environmental Consultants
and Contractors

2830 Dairy Drive
Madison, WI 53718-6751

608 224-2830
FAX 608 224-2839
www.scsengineers.com

SCS ENGINEERS

June 25, 2018
File No. 25218016.00

GEMS Data Submittal Contact – WA/5
Wisconsin Department of Natural Resources
Bureau of Waste Management
P.O. Box 7921
Madison, WI 53707-7921

Subject: Environmental Monitoring Data Submittal – April 2018
Advanced Disposal Services Seven Mile Creek Landfill – Sector 1
Eau Claire, Wisconsin
WDNR License #2821
FID #618009260

Dear GEMS Data Submittal Contact:

On behalf of Advanced Disposal Services, SCS Engineers is submitting environmental monitoring results for April 2018 for Seven Mile Creek Landfill – Sector 1. This submittal includes the electronic data file of the monitoring results on a compact disk (CD), the Environmental Monitoring Data Certification form, and a summary of parameters detected at values above NR 140 Groundwater Quality Standards, well-specific preventive action limits (PALs), or alternative concentration limits (ACLs) (**Table 1**).

Included in this submittal are the analytical results and associated field data for the following monitoring points:

- Groundwater monitoring wells (DH-4R through DH-21A, DH-42, and DH-42A)
- Leachate sample point (LEACHATE TANK-1)

Additional environmental monitoring field data are being submitted separately by Environmental Sampling Corporation.

Field monitoring was performed by Short, Elliot, Hendrickson, Inc., (SEH) of Chippewa Falls, Wisconsin. The monitoring by SEH was conducted on April 10, 12, and 13, 2018. Laboratory analysis was performed by Pace Analytical Services of Green Bay, Wisconsin.

This letter provides the following information:

- List of NR 140 groundwater standard exceedances and a preliminary analysis of the cause and significance of the exceedances
- Explanation of any deviations from the approved sampling plan

NR 140 GROUNDWATER STANDARD EXCEEDANCES

Groundwater monitoring data were compared to the NR 140 Groundwater Quality Standards for parameters that have established PALs and enforcement standards (ESs). The results were also compared to well-specific PALs and ACLs approved for DH-04R, which is a well that is also in the Seven Mile Creek Landfill Sector 2 monitoring program. There are no well-specific PALs and ACLs approved for the remainder of the wells in the Sector 1 monitoring program. As noted on **Table 1**, there were no constituents detected at concentrations above a PAL or ES.

Vinyl Chloride at DH-10

Vinyl chloride was detected in the sample collected from DH-10 at an estimated concentration of 0.62 ug/l (**Table 1**). The estimated concentration is above the ES and the limit of detection, but below the limit of quantitation; therefore, the result is not considered an ES exceedance under NR 140.14(3)(2) and is not considered a PAL exceedance without additional confirmation as described in NR 140.14(3)(b). Vinyl chloride above the ES had been reported for DH-10 samples collected in 2010 through 2014, but had not been detected in samples collected in 2015 through 2017. An evaluation of the significance of the detection of vinyl chloride at DH-10 will be provided if the detection is confirmed by additional sampling.

MONITORING PROGRAM COMMENTS

The monitoring was performed in accordance with the monitoring plan approved by the Wisconsin Department of Natural Resources in the Plan Modification Approval for Groundwater Monitoring Reductions, Seven Mile Creek Landfill – Sector 1, dated December 18, 2007. There were no deviations from the approved monitoring plan for the monitoring results reported in this submittal.

If you have any questions regarding the information included in this submittal, please call us at 608-224-2830.

Sincerely,

Sherren Clark, PE, PG
Project Director
SCS ENGINEERS

Betty J. Socha, PG, PhD
Senior Project Manager
SCS ENGINEERS

BJS/jsn/SCC

Enclosures: Table 1 – NR 140 Exceedance Summary
Groundwater Monitoring Data Certification Form
GEMS Data CD

cc: Kari Rabideau, Advanced Disposal Services (e-copy only)
Tim Curry, Advanced Disposal Services (e-copy only)
Mike Niewind, Advanced Disposal Services (e-copy only)
Mark Vinall, ADS Seven Mile Creek Landfill (2 copies of letter, 1 CD)
Frank Perugini, Environmental Sampling Corp. (e-copy only)
Brian Kent, SEH, Inc., (e-copy only)
John Oswald, Cornerstone (e-copy only)
Tyler Field, Cornerstone (e-copy only)

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Table 1
NR 140 Exceedance Summary

Site ID: **2821**
Site Name: **ADS Seven Mile Creek Landfill - Sector 1**
Reporting Period: **April 2018**

Groundwater Results Exceeding NR 140 Standards

Well	Parameter	Result	PAL	ES	Exceedance Type
None.					

Groundwater Results with Estimated Concentration Above an NR 140 PAL or ES and Below the LOQ

Note: If both the result and the PAL or ES are above the limit of detection but below the limit of quantitation, the result is not considered a PAL or ES exceedance under NR 140.14(3)(c). If the PAL or ES is below the limit of detection and the result is below the limit of quantitation, the result is not considered a PAL or ES exceedance without additional confirmation as described in NR 140.14(3)(b).

Well	Parameter	Result	LOD/LOQ	PAL	ES
DH-10	Vinyl chloride (ug/l)	0.62 J	0.18/1.0	0.02	0.2

Notes:
PAL = Preventive Action Limit
ES = Enforcement Standard
LOD = Limit of Detection
LOQ = Limit of Quantitation
J = Result is an estimated value below the laboratory's limit of quantitation.
ug/l = micrograms per liter

Prepared by: AJR, 5/14/2018
Checked by: BJS, 6/19/2018

State of Wisconsin
Department of Natural Resources
dnr.wi.gov

Environmental Monitoring Data Certification

Form 4400-231 (R 5/17)

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When submitting monitoring data, the owner or operator of the facility, practice or activity is required to notify the Department in writing that a groundwater standard or an explosive gas level has been attained or exceeded, as specified in ss. NR 140.24(1)(a); NR 140.26(1)(a); NR 507.30NR 635.14(9)(a); NR 635.18(20) and NR 507.30, Wis. Adm. Code. Failure to report may result in fines, forfeitures or other penalties resulting from enforcement under ss. 289.97, 291.97 or 299.95, Wis. Stats

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- Attach a notification of any gas values that attain or exceed explosive gas levels.
- Send the original signed form, any notification, and Electronic Data Deliverable [EDD] to: GEMS Data Submittal Contact - WA/5
  Wisconsin Department of Natural Resources
  P.O. Box 7921
  Madison, WI 53707-7921

Monitoring Data Submittal Information

Name of entity submitting data (laboratory, consultant, facility owner)
SCS Engineers

Contact for questions about data formatting. Include data preparer's name, telephone number and Email address:

Name	Phone No. (include area code)
Ashley Radunzel	(608) 224-2830

Email
aradunzel@scsengineers.com

Facility Name
Advanced Disposal Services Seven-Mile Creek Landfill - Sector 1

License # / Monitoring ID	Facility ID (FID)
02821	618009260

Actual sampling dates (e.g., July 2-6, 2003)	The enclosed results are for sampling required in the month(s) of: (e.g., June 2003)
April 10 & 12-13, 2018	April 2018

Type of Data Submitted (Check all that apply):

- [x] Groundwater monitoring data from monitoring wells
- [ ] Groundwater monitoring data from private water supply wells
- [x] Leachate monitoring data
- [ ] Gas monitoring data
- [ ] Air monitoring data
- [ ] Other (specify):

Notification attached?

- [ ] No. No groundwater standards or explosive gas limits were exceeded.
- [x] Yes, a notification of values exceeding a groundwater standard is attached. It includes a list of monitoring points, dates, sample values, groundwater standard and preliminary analysis of the cause and significance of any concentration.
- [ ] Yes, a notification of values exceeding an explosive gas limit is attached. It includes the monitoring points, dates, sample values and explosive gas limits.

Certification

To the best of my knowledge, the information reported and statements made on this data submittal and attachments are true and correct. Furthermore, I have attached complete notification of any sampling values meeting or exceeding groundwater standards or explosive gas levels, and a preliminary analysis of the cause and significance of concentrations exceeding groundwater standards.

Facility Representative Name (Print)	Title	Phone No. (include area code)
Betty J. Socha, PG, SCS Engineers	Project Manager	(608) 216-7323

Signature: Betty J Socha

Date Signed (mm/dd/yyyy): 21 June 2018

For DNR Use Only

Check action taken, and record date and your initials. Describe on back side if necessary.

- [ ] Found uploading problems on _____ Initials
- [ ] Notified contact of problems on _____ Uploaded data successfully on _____

EDD format(s): [ ] Diskette [ ] CD (initial submittal and follow-up) [ ] E-mail (follow-up only) [ ] Other: _____

Environmental Consultants
and Contractors

2830 Dairy Drive
Madison, WI 53718-6751

608 224-2830
FAX 608 224-2839
www.scsengineers.com

SCS ENGINEERS

June 26, 2018
File No. 25218011.00

GEMS Data Submittal Contact – WA/5
Wisconsin Department of Natural Resources
Bureau of Waste Management
P.O. Box 7921
Madison, WI 53707-7921

Subject: Environmental Monitoring Data Submittal – January and April 2018
Advanced Disposal Services Seven Mile Creek Landfill – Sector 2
Eau Claire, Wisconsin
WDNR License No. 3097, FID No. 618045450

Dear GEMS Data Submittal Contact:

On behalf of Advanced Disposal Services, SCS Engineers is submitting environmental monitoring results for January and April 2018 for the Seven Mile Creek Landfill (SMCL) – Sector 2. This submittal includes the electronic data file of the monitoring results on a compact disk (CD), the Environmental Monitoring Data Certification form, and a summary of parameters detected at values above NR 140 Groundwater Quality Standards, well-specific preventive action limits (PALs), or alternative concentration limits (ACLs) (**Table 1**).

Included in this submittal are the April 2018 analytical results and associated field data for the following monitoring points:

- Groundwater monitoring wells (DH-01, DH-04R, and DH-18 through DH-53)
- Private supply wells (PW-2, PW-26, PW-28, and PW-30)
- Surface water (STREAM-1, STREAM-2, and STREAM-3)
- Lysimeters (L-1A, L-2, L-3, and L-4)
- Leachate sample point (LEACHATE TANK (LE-2))

Also included in this submittal are the January 2018 analytical results and associated field data for the following monitoring point:

- Leachate sample point (LEACHATE TANK (LE-2))

The December 2017 laboratory analytical results for the following monitoring point are also included:

- Gas (Blower Outlet)

Additional environmental monitoring field data are being submitted separately by Environmental Sampling Corporation.

Gas sampling at the blower was conducted on December 14, 2017, by Environmental Sampling Corporation of Muskego, Wisconsin. All other field monitoring was performed by Short, Elliot, Hendrickson, Inc., (SEH) of Chippewa Falls, Wisconsin, on April 9-13, 17, and 20, 2018. SEH also performed leachate sampling on January 25, 2018. Laboratory analysis was performed by Pace Analytical Services of Green Bay, Wisconsin, with the exception of gas analysis that was performed by ALS, of Simi Valley, California.

This letter provides the following information:

- List of NR 140 groundwater standard exceedances and a preliminary analysis of the cause and significance of the exceedances
- Explanation of any deviations from the approved sampling plan

NR 140 GROUNDWATER STANDARD EXCEEDANCES

Groundwater monitoring data were compared to the NR 140 Groundwater Quality Standards for parameters that have established PALs and enforcement standards (ESs), and to well-specific PALs and ACLs approved for the wells that are in the Seven Mile Creek Landfill Sector 2 monitoring program. **Table 1** summarizes the constituents that were detected at concentrations above a PAL or ES. The cause and significance of the April 2018 standard exceedances are discussed below.

Public Health Parameters

Benzene at DH-45 – Benzene was detected at a concentration of 3.2 micrograms per liter in April 2018, which exceeds the PAL but is below the ES. This is the first detection of benzene at this well. Benzene had been detected at concentrations exceeding the PAL at nearby (now abandoned) monitoring well DH-53 in each sampling event since April 2012. The benzene detections in samples collected at DH-53 and DH-45 do not appear to be associated with the landfill, as both wells are located upgradient of Sector 2 and downgradient of a nearby salvage yard. Further analysis of the cause and significance of the reported benzene detection at DH-45 will be provided if the PAL exceedance is confirmed in the next monitoring event.

Public Welfare and Indicator Parameters

Specific Conductance at DH-45 – The PAL for specific conductance was exceeded at DH-45 in April 2018. The PAL for specific conductance at DH-45 was also exceeded in October 2016 and October 2017. Further analysis of the cause and significance of the PAL exceedance at DH-45 will be provided if a trend continues to develop in additional monitoring events.

Specific Conductance, Alkalinity, and Hardness at DH-34 – The PALs for these parameters were exceeded at DH-34 in April 2018. Results for these parameters increased beginning in late 2010 or early 2011, and now appear to be stable with some variability. The well is located between Sector 2 and the closed Town of Seymour Landfill.

Specific Conductivity at DH-35 – The PAL for this parameter was exceeded at DH-35 in April 2018. Results for this parameter increased beginning in 2013 or 2014, and now appear to be stable or variable at concentrations near the PAL. The well is located between the two Sectors of SMCL and near the closed Town of Seymour Landfill.

Hardness at DH-35A – The PAL for hardness was exceeded at DH-35A in April 2018. This is the second exceedance of the PAL for hardness at DH-35A. The well is located between the two Sectors of SMCL and near the closed Town of Seymour Landfill. Further analysis of the cause and significance of the PAL exceedance at DH-35A will be provided if a trend develops in additional monitoring events.

MONITORING PLAN COMMENTS

The monitoring was performed in accordance with the Revised Summary of Environmental Monitoring Requirements for the Advanced Disposal Services Seven Mile Creek Sector 2, License 3097, dated February 28, 2017, and the July 19, 2007 Organic Stability Plan Approval, with no deviations from the approved monitoring plan for the monitoring results reported in this submittal.

If you have any questions regarding the information included in this submittal, please call us at 608-224-2830.

Sincerely,

Sherren Clark, PE, PG
Project Director
SCS ENGINEERS

Betty J. Socha, PhD, PG
Senior Project Manager
SCS ENGINEERS

BJS/lmh/SCC

Enclosures: Table 1 – NR 140 Exceedance Summary
Groundwater Monitoring Data Certification Form
GEMS Data CD

cc: Kari Rabideau, Advanced Disposal Services (e-copy only)
Mike Niewind, Advanced Disposal Services (e-copy only)
Tim Curry, Advanced Disposal Services (e-copy only)
Mark Vinall, ADS Seven Mile Creek Landfill (2 copies of letter, 1 CD)
Frank Perugini, Environmental Sampling Corp. (e-copy only)
Brian Kent, SEH, Inc., (e-copy only)
Tyler Field, Cornerstone (e-copy only)

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Table 1
NR 140 Exceedance Summary

Site ID: **3097**
Site Name: **Seven-Mile Creek Landfill - Sector 2**
Reporting Period: **April 2018**

Groundwater Results Exceeding NR 140 Standards

Well	Parameter	Result	PAL	ES	Exceedance Type
DH-34	Alkalinity, total filtered (mg/l as CaCO3)	294	120		PAL (Indicator)
	Hardness, total, filtered (mg/l as CaCO3)	242	170		PAL (Indicator)
	Specific conductance-field (umhos/cm @ 25c)	580	320		PAL (Indicator)
DH-35	Specific conductance-field (umhos/cm @ 25c)	504	380		PAL (Indicator)
DH-35A	Hardness, total, filtered (mg/l as CaCO3)	192	180		PAL (Indicator)
DH-45	Benzene (ug/l)	3.2	0.5	5	PAL
	Specific conductance-field (umhos/cm @ 25c)	530	460		PAL (Indicator)

Notes:
PAL = Preventive Action Limit
ES = Enforcement Standard
ug/l = micrograms per liter
mg/l = milligrams per liter

Prepared by: AJR, 5/23/2018
Checked by: BJS, 5/24/2018

State of Wisconsin
Department of Natural Resources
dnr.wi.gov

Environmental Monitoring Data Certification

Form 4400-231 (R 5/17)

Notice: Personally identifiable information collected will be used for program administration and enforcement purposes. The Department may also provide this information to requesters as required under Wisconsin's Open Records law, ss. 19.31 to 19.39, Wis. Stats.
When submitting monitoring data, the owner or operator of the facility, practice or activity is required to notify the Department in writing that a groundwater standard or an explosive gas level has been attained or exceeded, as specified in ss. NR 140.24(1)(a); NR 140.26(1)(a); NR 507.30NR 635.14(9)(a); NR 635.18(20) and NR 507.30, Wis. Adm. Code. Failure to report may result in fines, forfeitures or other penalties resulting from enforcement under ss. 289.97, 291.97 or 299.95, Wis. Stats

Instructions:

- **Prepare one form for each license or monitoring ID.**
- **Please type or print legibly.**
- Attach a notification of any values that attain or exceed groundwater standards (that is, preventive action limits, enforcement standards or alternative concentration limits). The notification must include a preliminary analysis of the cause and significance of each value.
- Attach a notification of any gas values that attain or exceed explosive gas levels.
- Send the original signed form, any notification, and Electronic Data Deliverable [EDD] to: GEMS Data Submittal Contact - WA/5
  Wisconsin Department of Natural Resources
  P.O. Box 7921
  Madison, WI 53707-7921

Monitoring Data Submittal Information

Name of entity submitting data (laboratory, consultant, facility owner)
SCS Engineers

Contact for questions about data formatting. Include data preparer's name, telephone number and Email address:

Name	Phone No. (include area code)
Ashley Radunzel	(608) 224-2830

Email
aradunzel@scsengineers.com

Facility Name
Advanced Disposal Services, Seven-Mile Creek Landfill - Sector 2

License # / Monitoring ID	Facility ID (FID)
3097	618045450

Actual sampling dates (e.g., July 2-6, 2003)	The enclosed results are for sampling required in the month(s) of: (e.g., June 2003)
2017: Dec 14; 2018: Jan 25 / Apr 9-13, 17, 20	December 2017, January 2018, and April 2018

Type of Data Submitted (Check all that apply):

- [x] Groundwater monitoring data from monitoring wells
- [x] Groundwater monitoring data from private water supply wells
- [x] Leachate monitoring data
- [x] Gas monitoring data
- [ ] Air monitoring data
- [x] Other (specify): Lysimeter, Surface Water

Notification attached?

- [ ] No. No groundwater standards or explosive gas limits were exceeded.
- [x] Yes, a notification of values exceeding a groundwater standard is attached. It includes a list of monitoring points, dates, sample values, groundwater standard and preliminary analysis of the cause and significance of any concentration.
- [ ] Yes, a notification of values exceeding an explosive gas limit is attached. It includes the monitoring points, dates, sample values and explosive gas limits.

Certification

To the best of my knowledge, the information reported and statements made on this data submittal and attachments are true and correct. Furthermore, I have attached complete notification of any sampling values meeting or exceeding groundwater standards or explosive gas levels, and a preliminary analysis of the cause and significance of concentrations exceeding groundwater standards.

Facility Representative Name (Print)	Title	Phone No. (include area code)
Betty J. Socha, SCS Engineers	Project Manager	(608) 216-7331

Betty J Socha
Signature

June 19, 2018
Date Signed (mm/dd/yyyy)

For DNR Use Only

Check action taken, and record date and your initials. Describe on back side if necessary.

- [ ] Found uploading problems on _____ Initials
- [ ] Notified contact of problems on _____ Uploaded data successfully on _____

EDD format(s): [ ] Diskette [ ] CD (initial submittal and follow-up) [ ] E-mail (follow-up only) [ ] Other: _____

December 21, 2018
File No. 25218016.00

GEMS Data Submittal Contact – WA/5
Wisconsin Department of Natural Resources
Bureau of Waste Management
P.O. Box 7921
Madison, WI 53707-7921

Subject: Environmental Monitoring Data Submittal – October 2018
Advanced Disposal Services Seven Mile Creek Landfill – Sector 1
Eau Claire, Wisconsin
WDNR License No. 2821, FID No. 618009260

Dear GEMS Data Submittal Contact:

On behalf of Advanced Disposal Services, SCS Engineers is submitting environmental monitoring results for October 2018 for the Seven Mile Creek Landfill – Sector 1. This submittal includes the electronic data file of the monitoring results on a compact disk (CD), the Environmental Monitoring Data Certification form, and a summary of parameters detected at values above NR 140 Groundwater Quality Standards, well-specific preventive action limits (PALs), or alternative concentration limits (ACLs) (**Table 1**).

This submittal provides the analytical results and associated field data for:

- Groundwater monitoring wells DH-4R, DH-42, and DH-42A.

Additional environmental monitoring field data are being submitted separately by Environmental Sampling Corporation. Field monitoring was performed by Short, Elliot, Hendrickson, Inc., on October 12, 2018. Laboratory analysis was performed by Pace Analytical Services of Green Bay, Wisconsin.

This letter provides a list of NR 140 groundwater standard exceedances and a preliminary analysis of the cause and significance of the exceedances, and an explanation of any deviations from the approved sampling plan, if any.

NR 140 GROUNDWATER STANDARD EXCEEDANCES

Groundwater monitoring data were compared to the NR 140 Groundwater Quality Standards for parameters that have established PALs and enforcement standards (ESs). The results were also compared to well-specific PALs and ACLs approved for DH-04R, which is also in the Seven Mile Creek Landfill Sector 2 monitoring program. There are no well-specific PALs and ACLs approved for the remainder of the wells in the Seven Mile Creek Landfill Sector 1 monitoring program. As noted on **Table 1**, there were no constituents detected at concentrations above a PAL or ES.

MONITORING PROGRAM COMMENTS

The monitoring was performed in accordance with the monitoring plan approved by the Wisconsin Department of Natural Resources in the Plan Modification Approval for Groundwater Monitoring Reductions, Seven Mile Creek Landfill – Sector 1, dated December 18, 2007. There were no deviations from the approved monitoring plan for the monitoring results reported in this submittal.

If you have any questions regarding the information included in this submittal, please call us at (608)224-2830.

Sincerely,

Sherren Clark, PE, PG
Project Director
SCS Engineers

Betty J. Socha, PG, PhD
Senior Project Manager
SCS Engineers

BJS/AJR/SCC

cc: Tim Curry, Advanced Disposal Services (e-copy only)
Mike Niewind, Advanced Disposal Services (e-copy only)
Mark Vinall, ADS Seven Mile Creek Landfill (2 copies of letter, 1 CD)
Frank Perugini, Environmental Sampling Corp. (e-copy only)
Brian Kent, SEH, Inc. (e-copy only)
Kari Rabideau, Advanced Disposal Services (e-copy only)

Encl. Table 1 – NR 140 Exceedance Summary
Groundwater Monitoring Data Certification Form
GEMS Data CD

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Table 1
NR 140 Exceedance Summary

Site ID: **2821**
Site Name: **ADS Seven Mile Creek Landfill - Sector 1**
Reporting Period: **October 2018**

Groundwater Results Exceeding NR 140 Standards

Well	Parameter	Result	PAL	ES	Exceedance Type
None.					

Notes:
PAL = Preventive Action Limit
ES = Enforcement Standard

Prepared by: AJR, 11/15/2018
Checked by: BJS, 12/10/2018

State of Wisconsin
Department of Natural Resources
dnr.wi.gov

Environmental Monitoring Data Certification

Form 4400-231 (R 5/17)

Notice: Personally identifiable information collected will be used for program administration and enforcement purposes. The Department may also provide this information to requesters as required under Wisconsin's Open Records law, ss. 19.31 to 19.39, Wis. Stats.
When submitting monitoring data, the owner or operator of the facility, practice or activity is required to notify the Department in writing that a groundwater standard or an explosive gas level has been attained or exceeded, as specified in ss. NR 140.24(1)(a); NR 140.26(1)(a); NR 507.30NR 635.14(9)(a); NR 635.18(20) and NR 507.30, Wis. Adm. Code. Failure to report may result in fines, forfeitures or other penalties resulting from enforcement under ss. 289.97, 291.97 or 299.95, Wis. Stats

Instructions:

- **Prepare one form for each license or monitoring ID.**
- **Please type or print legibly.**
- Attach a notification of any values that attain or exceed groundwater standards (that is, preventive action limits, enforcement standards or alternative concentration limits). The notification must include a preliminary analysis of the cause and significance of each value.
- Attach a notification of any gas values that attain or exceed explosive gas levels.
- Send the original signed form, any notification, and Electronic Data Deliverable [EDD] to: GEMS Data Submittal Contact - WA/5
  Wisconsin Department of Natural Resources
  P.O. Box 7921
  Madison, WI 53707-7921

Monitoring Data Submittal Information

Name of entity submitting data (laboratory, consultant, facility owner)
SCS Engineers

Contact for questions about data formatting. Include data preparer's name, telephone number and Email address:

Name	Phone No. (include area code)
Ashley Radunzel	(608) 224-2830

Email
aradunzel@scsengineers.com

Facility Name
Advanced Disposal Services Seven-Mile Creek Landfill - Sector 1

License # / Monitoring ID	Facility ID (FID)
02821	618009260

Actual sampling dates (e.g., July 2-6, 2003)	The enclosed results are for sampling required in the month(s) of: (e.g., June 2003)
October 12, 2018	October 2018

Type of Data Submitted (Check all that apply):

- [x] Groundwater monitoring data from monitoring wells
- [ ] Groundwater monitoring data from private water supply wells
- [ ] Leachate monitoring data
- [ ] Gas monitoring data
- [ ] Air monitoring data
- [ ] Other (specify):

Notification attached?

- [x] No. No groundwater standards or explosive gas limits were exceeded.
- [ ] Yes, a notification of values exceeding a groundwater standard is attached. It includes a list of monitoring points, dates, sample values, groundwater standard and preliminary analysis of the cause and significance of any concentration.
- [ ] Yes, a notification of values exceeding an explosive gas limit is attached. It includes the monitoring points, dates, sample values and explosive gas limits.

Certification

To the best of my knowledge, the information reported and statements made on this data submittal and attachments are true and correct. Furthermore, I have attached complete notification of any sampling values meeting or exceeding groundwater standards or explosive gas levels, and a preliminary analysis of the cause and significance of concentrations exceeding groundwater standards.

Facility Representative Name (Print)	Title	Phone No. (include area code)
Betty J. Socha, PG, SCS Engineers	Project Manager	(608) 216-7323

Betty J Socha
Signature

12-10-2018
Date Signed (mm/dd/yyyy)

For DNR Use Only

Check action taken, and record date and your initials. Describe on back side if necessary.

- [ ] Found uploading problems on _____ Initials
- [ ] Notified contact of problems on _____ Uploaded data successfully on _____

EDD format(s): [ ] Diskette [ ] CD (initial submittal and follow-up) [ ] E-mail (follow-up only) [ ] Other: _____

December 26, 2018
File No. 25218011.00

GEMS Data Submittal Contact – WA/5
Wisconsin Department of Natural Resources
Bureau of Waste Management
P.O. Box 7921
Madison, WI 53707-7921

Subject: Environmental Monitoring Data Submittal – July & October 2018
Advanced Disposal Services Seven Mile Creek Landfill – Sector 2
Eau Claire, Wisconsin
WDNR License No. 3097, FID No. 618045450

Dear GEMS Data Submittal Contact:

On behalf of Advanced Disposal Services, SCS Engineers is submitting environmental monitoring results for July and October 2018 for the Seven Mile Creek Landfill (SMCL) – Sector 2. This submittal includes the electronic data file of the monitoring results on a compact disk (CD), the Environmental Monitoring Data Certification form, and a summary of parameters detected at values above NR 140 Groundwater Quality Standards, well-specific preventive action limits (PALs), or alternative concentration limits (ACLs) (**Table 1**).

Included in this submittal are the October 2018 analytical results and associated field data for the following monitoring points:

- Groundwater monitoring wells (DH-01, DH-04R, and DH-18 through DH-53)
- Private supply wells (PW-2, PW-26, PW-28, and PW-30)
- Surface water (STREAM-1, STREAM-2, and STREAM-3)
- Lysimeters (L-1A, L-2, L-3, and L-4)
- Sector 2 Leachate Tank (LE-2)

Also include in this submittal are the July 2018 analytical results and associated field data for the following monitoring point:

- Sector 2 Leachate Tank (LE-2)

Additional environmental monitoring field data are being submitted separately by Environmental Sampling Corporation.

Field monitoring was performed July 17, 2018, and October 8 to 12, 2018, by Short, Elliot, Hendrickson, Inc., of Chippewa Falls, Wisconsin. Laboratory analysis was performed by Pace Analytical Services of Green Bay, Wisconsin.

The water supply well sampling results for October 2018 were submitted in pdf format via electronic mail to Mr. Nathan Coller at the Wisconsin Department of Natural Resources on December 21,

2018. There were no results for the water supply wells that exceeded NR 140 PALs. No volatile organic compounds were detected in any of the samples.

This letter provides the following information:

- List of NR 140 groundwater standard exceedances and a preliminary analysis of the cause and significance of the exceedances
- Explanation of any deviations from the approved sampling plan

NR 140 GROUNDWATER STANDARD EXCEEDANCES

Groundwater monitoring data were compared to the NR 140 Groundwater Quality Standards for parameters that have established PALs and enforcement standards (ESs), and to well-specific PALs and ACLs approved for the wells that are in the SMCL – Sector 2 monitoring program. Table 1 summarizes the constituents that were detected at concentrations above a PAL or ES. The cause and significance of the October 2018 standard exceedances are discussed below. No standards were exceeded for health-based parameters or public welfare based parameters.

Indicator Parameters

Alkalinity and Specific Conductance at DH-34 – The PALs for these parameters were exceeded at DH-34. Results for these parameters increased beginning in late 2010 or early 2011, and now appear to be stable or decreasing. The well is located between Sector 2 and the closed Town of Seymour Landfill.

Specific Conductivity at DH-35 –The PAL for specific conductance was exceeded at DH-35, and has been exceeded periodically since October 2013. The well is located between the two Sectors of SMCL and near the closed Town of Seymour Landfill.

Specific Conductance at DH-45 – The PAL for specific conductance was first exceeded at DH-45 in October 2016. The results may indicate seasonal variation in groundwater composition. Additional evaluation of the cause and significance of the exceedance will be provided if the trend continues. The well is located upgradient of Sector 2.

MONITORING PLAN COMMENTS

The monitoring was performed in accordance with the Revised Summary of Environmental Monitoring Requirements for the Advanced Disposal Services SMCL – Sector 2, License 3097, dated February 28, 2017, and the July 19, 2007 Organic Stability Plan Approval, with no deviations from the approved monitoring plan for the monitoring results reported in this submittal, except with the following exceptions:

- The elevations for surface water at points STR-1 and STR-3 were not reported because there is a new culvert at STR-1 and the culvert at STR-3 has moved due to erosion. The reference points for the surface water elevations at these two monitoring points will be surveyed for the next sampling event.

Per the requirement of the 2007 Organic Stability Plan Approval, data submitted for the leachate tank monitoring point LE-2 includes results for ammonia, biological oxygen demand (BOD), chemical oxygen demand (COD), hardness, and alkalinity for samples collected in July 2018.

If you have any questions regarding the information included in this submittal, please call us at 608-224-2830.

Sincerely,

Sherren Clark, PE, PG
Project Director
SCS Engineers

Betty J. Socha, PG, PhD
Senior Project Manager
SCS Engineers

BJS/AJR/SCC

cc: Kari Rabideau, Advanced Disposal Services (e-copy only)
Mike Niewind, Advanced Disposal Services (e-copy only)
Tim Curry, Advanced Disposal Services (e-copy only)
Mark Vinall, ADS Seven Mile Creek Landfill (2 copies of letter, 1 CD)
Frank Perugini, Environmental Sampling Corp. (e-copy only)
Brian Kent, SEH, Inc., (e-copy only)
Tyler Field, Cornerstone Environmental Group (e-copy only)

Encl. Table 1 – NR 140 Exceedance Summary
Groundwater Monitoring Data Certification Form
GEMS Data CD

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Table 1
NR 140 Exceedance Summary

Site ID: **3097**
Site Name: **ADS Seven-Mile Creek Landfill - Sector 2**
Reporting Period: **October 2018**

Groundwater Results Exceeding NR 140 Standards

Well	Parameter	Result	PAL	ES	Exceedance Type
DH-34	Alkalinity, total filtered (mg/l as CaCO3)	150	120		PAL (Indicator)
	Specific conductance-field (umhos/cm @ 25c)	586	320		PAL (Indicator)
DH-35	Specific conductance-field (umhos/cm @ 25c)	445	380		PAL (Indicator)
DH-45	Specific conductance-field (umhos/cm @ 25c)	530	460		PAL (Indicator)

Notes:
PAL = Preventive Action Limit
ES = Enforcement Standard
mg/l = milligrams per liter

Prepared by: AJR, 12/14/2018
Checked by: BJS, 12/19/2018

State of Wisconsin
Department of Natural Resources
dnr.wi.gov

Environmental Monitoring Data Certification

Form 4400-231 (R 5/17)

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When submitting monitoring data, the owner or operator of the facility, practice or activity is required to notify the Department in writing that a groundwater standard or an explosive gas level has been attained or exceeded, as specified in ss. NR 140.24(1)(a); NR 140.26(1)(a); NR 507.30NR 635.14(9)(a); NR 635.18(20) and NR 507.30, Wis. Adm. Code. Failure to report may result in fines, forfeitures or other penalties resulting from enforcement under ss. 289.97, 291.97 or 299.95, Wis. Stats

Instructions:

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- **Please type or print legibly.**
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- Attach a notification of any gas values that attain or exceed explosive gas levels.
- Send the original signed form, any notification, and Electronic Data Deliverable [EDD] to: GEMS Data Submittal Contact - WA/5
  Wisconsin Department of Natural Resources
  P.O. Box 7921
  Madison, WI 53707-7921

Monitoring Data Submittal Information

Name of entity submitting data (laboratory, consultant, facility owner)
SCS Engineers

Contact for questions about data formatting. Include data preparer's name, telephone number and Email address:

Name	Phone No. (include area code)
Ashley Radunzel	(608) 224-2830

Email
aradunzel@scsengineers.com

Facility Name
Advanced Disposal Services, Seven-Mile Creek Landfill - Sector 2

License # / Monitoring ID	Facility ID (FID)
3097	618045450

Actual sampling dates (e.g., July 2-6, 2003)	The enclosed results are for sampling required in the month(s) of: (e.g., June 2003)
July 17, 2018; October 8-12, 2018	July & October 2018

Type of Data Submitted (Check all that apply):

- [x] Groundwater monitoring data from monitoring wells
- [x] Groundwater monitoring data from private water supply wells
- [x] Leachate monitoring data
- [ ] Gas monitoring data
- [ ] Air monitoring data
- [x] Other (specify): Lysimeter, Surface Water

Notification attached?

- [ ] No. No groundwater standards or explosive gas limits were exceeded.
- [x] Yes, a notification of values exceeding a groundwater standard is attached. It includes a list of monitoring points, dates, sample values, groundwater standard and preliminary analysis of the cause and significance of any concentration.
- [ ] Yes, a notification of values exceeding an explosive gas limit is attached. It includes the monitoring points, dates, sample values and explosive gas limits.

Certification

To the best of my knowledge, the information reported and statements made on this data submittal and attachments are true and correct. Furthermore, I have attached complete notification of any sampling values meeting or exceeding groundwater standards or explosive gas levels, and a preliminary analysis of the cause and significance of concentrations exceeding groundwater standards.

Facility Representative Name (Print)	Title	Phone No. (include area code)
Betty J. Socha, SCS Engineers	Project Manager	(608) 216-7331

Betty J Socha
Signature

12-19-2018
Date Signed (mm/dd/yyyy)

For DNR Use Only

Check action taken, and record date and your initials. Describe on back side if necessary.

- [ ] Found uploading problems on _____ Initials
- [ ] Notified contact of problems on _____ Uploaded data successfully on _____

EDD format(s): [ ] Diskette [ ] CD (initial submittal and follow-up) [ ] E-mail (follow-up only) [ ] Other: _____