

August 2013 Wellfield Monitoring Data - Bridgeton Landfill

Well Name	Date Sampled	Methane	CO ₂	O ₂	Balance Gas	Init Temp	Adj Temp	Init Flow	Adj Flow	Init Static Press	Adj Static Press	Init Diff Press	Adj Diff Press	System Pressure	Baro
GEW-01	8/5/2013 14:16	34.6	22.7	6.5	36.2	84	84	31	31	20.9	20.8	0.218	0.219	-2.88	29.35
	8/5/2013 14:17	34.6	22.2	6.5	36.7	84	84	29	29	16.7	16.7	0.19	0.189	-2.9	29.35
	8/12/2013 14:12	49.2	26.1	3	21.7	77	77	17	17	3.5	3.3	0.068	0.067	-6.37	29.38
	8/12/2013 14:15	49	25.9	3.2	21.9	77	77	19	18	0.1	0.1	0.083	0.076	-6.34	29.38
	8/22/2013 10:23	45.3	22.8	3.8	28.1	99	99	3		0	0	0.002	-0.004	-5.18	29.5
	8/22/2013 10:26	45	22.3	3.9	28.8	99	99	7	5	0	0	0.013	0.007	-5.22	29.5
	8/26/2013 14:25	54.1	27.7	0	18.2	111	111	29	29	13.5	12.6	0.197	0.196	-3.83	29.56
8/26/2013 14:26	55.9	26	0	18.1	111	111	29	29	6.3	6.1	0.192	0.191	-3.86	29.56	
GEW-02	8/5/2013 14:34	55.3	42.9	0	1.8	128	128			0.3	-0.1	-0.618	-0.244	-2.91	29.39
	8/5/2013 17:38	55.5	43.5	0	1	128	128			-1.6	-1.3	-0.322	-0.63	-5.78	29.29
	8/12/2013 14:29	54.1	43.2	0	2.7	134	134	33	27	-0.5	-0.2	0.297	0.199	-5.52	29.35
	8/12/2013 14:31	54.8	45.1	0	0.1	134	134	27	29	-0.2	-0.2	0.2	0.234	-5.64	29.35
	8/21/2013 16:50	50.4	38.6	0	11	133	133	48	44	-1.3	-1.1	0.582	0.489	-4.79	29.45
	8/21/2013 16:52	50	39.8	0	10.2	132	132	75	74	-1.1	-1.2	1.407	1.372	-4.83	29.45
	8/26/2013 14:33	52.7	39	0	8.3	132	132	50	47	-0.4	-0.1	0.639	0.552	-3.64	29.54
8/26/2013 14:34	52.8	39.3	0	7.9	131	131	40	35	-0.1	-0.1	0.402	0.316	-3.49	29.54	
GEW-03	8/5/2013 14:41	48.3	38.9	0.2	12.6	113	113	97	94	-2	-1.8	2.275	2.157	-2.77	29.35
	8/12/2013 14:38	46.3	38.5	0.2	15	112	108	37	19	-0.8	-0.7	0.35	0.092	-5.64	29.35
	8/21/2013 16:55	51.2	42.5	0	6.3	112	112	80	83	-0.8	-0.9	1.577	1.667	-4.95	29.45
	8/26/2013 14:41	51.6	43	0	5.4	117	140	28	38	0.7	-0.1	0.21	0.395	-3.61	29.53
8/26/2013 14:46	51.5	44.2	0	4.3	140	140	50	36	-0.2	-0.1	0.675	0.357	-3.48	29.53	
GEW-04	8/5/2013 14:45	50.2	40.2	0	9.6	115	115	22	29	0.3	-0.1	0.133	0.224	-2.91	29.35
	8/5/2013 17:34	47.3	38.9	0	13.8	125	125	40	23	-1.7	-1.7	0.418	0.144	-5.82	29.28
	8/12/2013 14:42	36.5	34.7	0	28.8	122	122	34	28	-1.8	-1.5	0.303	0.216	-5.44	29.34
	8/21/2013 16:57	34.1	33.9	0	32	124	124	63	61	-1	-0.9	1.034	0.961	-4.87	29.44
	8/26/2013 14:48	37.5	36.1	0	26.4	125	125	34	31	0	-0.1	0.305	0.261	-3.42	29.53
8/27/2013 15:17	37.2	33.8	0	29	124	124	20	23	-1.2	-1.2	0.113	0.144	-4.9	29.42	
GEW-05	8/5/2013 14:57	43	37.3	0	19.7	100	100	7	24	0	-0.1	0.016	0.146	-3.1	29.33
	8/5/2013 17:28	43.3	36.5	0	20.2	104	104	36	27	-1.2	-1.2	0.333	0.183	-5.78	29.28
	8/12/2013 14:55	39.3	34.9	0	25.8	103	103	29	38	-1.1	-0.9	0.216	0.37	-5.52	29.33
	8/21/2013 17:05	32.9	33.4	0	33.7	105	105	63	62	-0.6	-0.6	0.989	0.96	-4.96	29.45
	8/26/2013 14:56	35.3	34	0	30.7	107	107	16	15	-0.2	-0.2	0.069	0.062	-3.96	29.52
GEW-06	8/1/2013 10:29	41.1	37.2	0	21.7	96	96	35	37	-0.4	-0.4	0.31	0.339	-7.39	29.47
	8/5/2013 15:04	50.1	40.8	0	9.1	98	98	10	23	0.1	-0.1	0.029	0.131	-2.9	29.33
	8/5/2013 17:25	47.3	36	0	16.7	99	99	26	19	-1	-1	0.173	0.094	-5.44	29.29
	8/12/2013 15:02	40.7	36.5	0	22.8	95	95	34	37	-1.1	-0.9	0.295	0.344	-5.39	29.34
	8/22/2013 10:39	37.2	33.8	0	29	97	97	27	18	-0.9	-0.7	0.193	0.091	-5.46	29.45
8/26/2013 15:19	44.2	37	0	18.8	101	101	27	25	-0.2	-0.2	0.187	0.167	-2.94	29.51	
GEW-07	8/5/2013 15:45	56.2	41.5	0	2.3	109	109	27	26	-3.3	-3.3	0.184	0.17	-2.63	29.35
	8/12/2013 15:58	58.3	41.6	0	0.1	108	108	38	38	-3.3	-3.3	0.351	0.352	-3.22	29.36
	8/22/2013 11:30	55	40.5	0	4.5	110	110	36	35	-3.5	-3.5	0.328	0.311	-4.47	29.51
	8/26/2013 15:58	54.1	39.7	0.1	6.1	111	111	12	7	-2.4	-2.8	0.037	0.013	-1.92	29.53
GEW-08	8/5/2013 15:42	53.8	41.5	0	4.7	120	120	21	24	0	-0.1	0.114	0.155	-4.65	29.34
	8/5/2013 17:57	54.6	41.4	0	4	123	123	22	23	-0.3	-0.3	0.125	0.145	-4.67	29.3
	8/12/2013 15:53	59.3	40.6	0	0.1	121	121	36	34	-0.4	-0.4	0.316	0.291	-4.19	29.35
	8/22/2013 11:27	53.9	39.5	0	6.6	124	124	30	30	-0.7	-0.7	0.236	0.238	-4.26	29.49
	8/26/2013 15:56	52.6	39.8	0	7.6	124	124	22	24	-0.3	-0.7	0.126	0.157	-2.21	29.51

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		%				°F		scfm		"H ₂ O					"Hg
GEW-39	8/7/2013 16:33	38.2	61.2	0	0.6	125	125	36	34	-0.6	-0.5	0.395	0.342	-5.25	29.23
	8/7/2013 16:39	38.7	59.9	0	1.4	125	125	33	36	-0.4	-0.5	0.329	0.39	-5.29	29.23
	8/14/2013 11:28	40	59.9	0	0.1	125	125	37	42	-1.1	-1.1	0.404	0.518	-7.25	29.58
	8/20/2013 15:50	39.6	56.4	0	4	125	125	28	35	-0.4	-0.5	0.238	0.368	-5.27	29.43
	8/29/2013 9:51	39.7	59.3	0	1	126	126	37	38	-1.2	-1.3	0.413	0.425	-6.46	29.43
GEW-40	8/5/2013 13:44	50.1	47.9	0	2	99	99	25	21	-0.3	-0.3	0.161	0.114	-4.73	29.37
	8/12/2013 13:39	51.7	48.2	0	0.1	100	100	24	25	-0.9	-0.9	0.148	0.172	-7.18	29.37
	8/21/2013 15:52	49.6	48.2	0	2.2	101	101	22	25	-0.6	-0.6	0.127	0.168	-5.56	29.48
	8/26/2013 13:56	50	46.4	0.1	3.5	103	103	26	23	-0.4	-0.4	0.173	0.137	-4.87	29.55
GEW-41R	8/5/2013 13:41	55.6	41.2	0	3.2	112	112	55	64	-0.7	-0.8	0.742	0.977	-2.39	29.37
	8/12/2013 13:43	55.4	42.5	0	2.1	99	99	65	48	-1.5	-1.1	1.003	0.557	-5.33	29.36
	8/21/2013 15:55	50.9	43.8	0	5.3	113	113	60	45	-1	-0.6	0.893	0.517	-5.54	29.45
	8/26/2013 14:02	50.9	41.5	0	7.6	115	115	60	63	-0.7	-0.9	0.893	0.992	-3.37	29.54
GEW-42R	8/5/2013 13:47	51.3	42.1	0	6.6	107	107	20	19	-0.4	-0.4	0.106	0.1	-4.81	29.37
	8/12/2013 13:48	46.3	39.3	0	14.4	107	107	20	18	-0.9	-0.7	0.111	0.091	-6.21	29.36
	8/21/2013 16:06	45.6	39.2	0	15.2	109	109	22	21	-0.3	-0.3	0.123	0.122	-4.67	29.44
	8/26/2013 14:05	43	37.8	0.1	19.1	108	108	24	23	-0.2	-0.1	0.155	0.141	-3.96	29.54
GEW-43R	8/5/2013 13:55	53.5	42.2	0	4.3	133	133	26	22	-0.7	-0.4	0.176	0.133	-4.8	29.36
	8/5/2013 13:57	53.8	42.4	0	3.8	133	133	29	24	-0.3	-0.3	0.219	0.157	-3.73	29.36
	8/12/2013 13:52	56.3	41.3	0	2.4	133	133	26	25	-0.9	-1	0.182	0.16	-6.15	29.35
	8/21/2013 16:19	51.9	41	0	7.1	134	134	28	32	-0.5	-0.4	0.21	0.267	-4.98	29.44
	8/21/2013 16:21	52	40.6	0	7.4	134	134	16	17	-0.4	-0.4	0.069	0.084	-4.95	29.44
	8/26/2013 14:08	51.6	40.9	0	7.5	135	135	36	34	-0.1	0	0.35	0.306	-3.82	29.54
GEW-44	8/5/2013 14:01	41.4	38.1	0	20.5	108	108	15	15	-0.2	-0.2	0.059	0.063	-3.24	29.36
	8/12/2013 13:57	30.3	33.5	0	36.2	107	107	17	17	-1	-0.8	0.082	0.081	-6.07	29.35
	8/21/2013 16:24	32.9	33.8	0	33.3	111	111	8	7	-0.4	-0.4	0.019	0.017	-5.07	29.45
	8/26/2013 14:13	36	34.4	0.1	29.5	113	113	40	25	0	-0.2	0.408	0.166	-3.91	29.54
	8/26/2013 14:14	35.7	33.8	0.1	30.4	114	114	25	26	-0.2	-0.2	0.173	0.18	-3.9	29.54
GEW-45R	8/5/2013 14:05	46.9	39.6	0	13.5	113	113	25	25	-2.1	-2.1	0.166	0.166	-3.13	29.36
	8/12/2013 14:02	47.7	39	0	13.3	114	114	34	28	-3.9	-3.6	0.305	0.21	-5.31	29.36
	8/21/2013 16:29	43.6	37.2	0.1	19.1	110	110	46	10	-2.8	-2.8	0.548	0.03	-4.84	29.46
	8/26/2013 14:18	45.5	36.2	0	18.3	111	111	43	29	-1.9	-1.5	0.474	0.211	-3.84	29.55
GEW-46R	8/5/2013 14:10	44.7	39.1	0	16.2	99	99	37	32	0.2	-0.3	0.336	0.255	-3.11	29.35
	8/5/2013 14:11	43.2	38.5	0	18.3	105	105	26	26	-0.4	-0.4	0.178	0.171	-3.02	29.35
	8/12/2013 14:06	32.2	35.6	0	32.2	102	101	32	26	-2.2	-2	0.278	0.182	-6.46	29.35
	8/21/2013 16:35	27.2	30.6	0	42.2	107	107	23	17	-1.3	-1.1	0.141	0.079	-4.91	29.45
	8/26/2013 14:21	29.6	31.9	0	38.5	108	108	29	27	-0.3	-0.1	0.228	0.19	-3.82	29.54
GEW-47R	8/5/2013 14:53	38.9	35.9	0	25.2	116	122	18	18	0.1	-0.2	-0.007	0.09	-3.04	29.34
	8/5/2013 17:31	31.1	33.4	0	35.5	121	121	16	22	-1.4	-1.4	0.075	0.135	-6.09	29.28
	8/12/2013 14:51	29.2	32.3	0.1	38.4	117	116	8	8	-1.3	-1	0.02	-0.215	-4.82	29.33
	8/21/2013 17:01	26.3	30.5	0.2	43	119	119	58	54	-0.7	-0.5	0.885	0.775	-4.64	29.45
	8/26/2013 14:52	31.6	32.1	0	36.3	121	121	22	23	-0.1	-0.1	0.139	0.145	-3.5	29.53
GEW-48	8/5/2013 15:00	50.3	40.8	0	8.9	109	109	25	23	-0.1	-0.1	0.166	0.143	-3.05	29.33
	8/12/2013 14:58	53.4	40	0	6.6	108	108	22	25	-0.9	-0.9	0.126	0.156	-5.46	29.33
	8/21/2013 17:08	47	38.5	0	14.5	110	110	60	62	-0.6	-0.7	0.891	0.939	-3.97	29.44
	8/26/2013 15:04	48.1	38.6	0	13.3	112	112	25	34	-0.1	-0.2	0.161	0.288	-3.89	29.52
GEW-49	8/1/2013 10:45	24.5	30.1	0	45.4	103	103	26	26	-0.3	-0.3	0.186	0.182	-7.18	29.48
	8/5/2013 15:17	38.9	36.5	0	24.6	103	113	16	16	0	-0.2	-0.069	0.073	-6	29.35
	8/5/2013 17:42	32.9	35	0	32.1	117	117	6	9	-0.8	-0.8	0.013	0.023	-6	29.28
	8/12/2013 15:18	31.2	31.1	0.1	37.6	111	111	24	21	-0.8	-0.6	0.15	0.123	-5.33	29.33
	8/22/2013 11:02	24.1	29.8	0.1	46	111	111	19	39	-0.5	-0.3	0.098	0.399	-5.71	29.48
8/26/2013 15:34	35.7	33.5	0	30.8	116	116	14	11	-0.2	-0.2	0.058	0.037	-4.15	29.51	

Wellfield Temperature - Bridgeton Landfill

Well Name	Maximum Initial Temperature °F			
	May	June	July	Aug
GEW-01	94	100	110	111
GEW-02	133	135	129	134
GEW-03	123	120	119	140
GEW-04	123	125	123	125
GEW-05	103	112	106	107
GEW-06	95	98	100	101
GEW-07	108	110	110	111
GEW-08	124	126	123	124
GEW-09	117	118	105	122
GEW-10	116	120	110	111
GEW-11	180	186	182	187
GEW-12A	150	156	--	--
GEW-13	154	--	182	185
GEW-14A	90	82	92	110
GEW-15	144	154	158	163
GEW-16R	--	--	--	--
GEW-17R	--	--	--	--
GEW-18B	152	176	174	180
GEW-18R	85	92	105	91
GEW-19A	96	114	110	101
GEW-20A	100	122	152	140
GEW-21A	85	100	100	94
GEW-22R	122	124	133	145
GEW-23A	122	128	126	128
GEW-24A	132	138	138	106
GEW-25A	150	152	152	154
GEW-26R	185	186	185	186
GEW-27A	150	152	160	157
GEW-28R	129	126	135	117
GEW-29	136	140	141	139
GEW-30R	168	170	165	164
GEW-31R	170	180	--	--
GEW-32R	192	202	100	--
GEW-33R	82	130	205	206
GEW-34	74	100	130	121
GEW-35	160	198	198	196
GEW-36	90	116	120	120
GEW-37	140	126	180	132
GEW-38	138	148	160	172
GEW-39	120	120	124	126

Wellfield Temperature - Bridgeton Landfill

Well Name	Maximum Initial Temperature °F			
	May	June	July	Aug
GEW-40	98	100	100	103
GEW-41R	113	116	113	115
GEW-42R	113	118	108	109
GEW-43R	139	140	134	135
GEW-44	108	114	110	114
GEW-45R	94	110	112	114
GEW-46R	101	106	102	108
GEW-47R	96	120	120	121
GEW-48	109	110	111	112
GEW-49	110	112	108	117
GEW-50	112	118	111	114
GEW-51	125	125	125	128
GEW-52	113	116	120	117
GEW-53	138	138	138	136
GEW-54	146	155	151	152
GEW-55	128	132	140	142
GEW-56R	120	142	156	147
GEW-57B	178	180	186	195
GEW-57R	192	196	198	198
GEW-58	184	--	182	194
GEW-59R	186	182	180	175
GEW-60R	196	198	--	--
GEW-62R	180	184	180	192
GEW-63	196	196	198	--
GEW-64	196	194	--	--
GEW-65A	170	--	--	--
GEW-66	198	200	198	195
GEW-68	100	100	--	--
GEW-69R	92	--	--	--
GEW-70R	150	--	--	--
GEW-71	182	186	188	--
GEW-72R	--			194
GEW-73R	140	138	138	137
GEW-74	--	--	--	--
GEW-75	--	--	--	--
GEW-76R	--	--	--	--
GEW-77	142	144	142	140
GEW-78R	138	140	155	167
GEW-79R	--	--	--	--
GEW-80	126	130	138	132

Wellfield Temperature - Bridgeton Landfill

Well Name	Maximum Initial Temperature °F			
	May	June	July	Aug
GEW-81	130	134	140	138
GEW-82R	180	178	180	179
GEW-83	110	110	112	125
GEW-84	110	120	112	120
GEW-85	188	188	196	199
GEW-90	196	200	196	197
GEW-91	194	194	198	198
GEW-106	154	120	--	--
GEW-109	102	134	146	154
GEW-110	86	105	92	147
GEW-111	--	--	--	--
GIW-01	178	181	187	191
GIW-02	154	157	187	170
GIW-03	162	166	174	170
GIW-04	158	158	158	162
GIW-05	188	181	193	193
GIW-06	168	176	178	182
GIW-07	148	147	167	160
GIW-08	118	118	138	138
GIW-09	144	143	166	159
GIW-10	181	183	187	187
GIW-11	138	142	148	157
GIW-12	130	114	149	151
GIW-13	141	143	146	149
LCS-1D	94	122	--	--
LCS-2D	102	103	105	106
LCS-3C	128	132	--	--
LCS-4B	--	--	--	--
LCS-5A	100	98	105	104
LCS-6B	124	120	117	99
PEW60	95	95	105	112
T-56	76	78	87	86

-- = Indicates no data available.

Laboratory Analysis - Bridgeton Landfill

Well Name	Date Sampled	Methane	CO ₂	O ₂ /Argon	Nitrogen	Hydrogen	Carbon Monoxide
		(%)					
GEW-10	5/14/2013	19	30	8	42	ND	ND
	6/12/2013	30	45	2	21	ND	370
	7/11/2013	54	38	2	6.2	ND	ND
	8/6/2013	56	41	ND	ND	ND	ND
GEW-11	5/14/2013	5.6	63	ND	ND	25	3,000
	6/13/2013	7.3	59	ND	6	26	2,300
	7/11/2013	7.9	62	ND	4.4	23	2,600
	8/6/2013	3.1	65	ND	ND	26	2,800
GEW-12A	3/5/2013	0.2	47	6	22	24	3,400
	4/22/2013	0.38	60	2	6	29	3,400
	5/14/2013	0.32	61	ND	ND	32	3,700
	6/13/2013	0.38	62	ND	ND	33	3,600
GEW-13	1/23/2013	0.19	75	1	3	20	6,000
	2/13/2013	0.2	77	1	2	18	4,800
	3/6/2013	0.2	46	9	33	11	3,200
	4/22/2013	0.23	76	ND	5	14	5,300
GEW-14A	5/14/2013	7.2	51	5	17	19	2,500
	6/13/2013	12	41	8	28	11	1,700
	7/11/2013	4	65	ND	ND	28	6,200
	8/8/2013	0.68	71	ND	ND	24	5,600
GEW-15	4/22/2013	2.7	67	ND	ND	25	3,700
	6/13/2013	2.1	64	ND	ND	29	4,000
	7/11/2013	2.8	64	ND	3.8	27	4,100
	8/8/2013	2.4	66	ND	ND	28	3,600
GEW-16R	1/25/2013	3.1	68	1	3.1	24	5,000
	2/13/2013	1.8	70	1	2	24	4,300
	3/6/2013	1.8	69	0	0	26	4,600
GEW-17R	1/25/2013	8.1	69	1	4.3	16	4,300
	2/12/2013	9.5	71	1	2.5	16	3,500
	3/6/2013	6.1	70	0	0	19	4,100
	4/25/2013	0.19	37	10	38	13	3,000
GEW-18B	4/25/2013	0.13	68	2	7.6	20	6,400
	5/14/2013	0.17	72	ND	ND	22	6,400
	7/11/2013	0.22	72	ND	3.3	22	6,600
	8/8/2013	0.15	69	ND	ND	24	5,200
GEW-18R	2/12/2013	6.5	71	1	4.9	16	3,500
	3/6/2013	7.3	46	8	28	11	1,800
	7/11/2013	14	71	ND	ND	11	2,500
	8/7/2013	4.2	76	ND	ND	14	4,000
GEW-19A	5/14/2013	0.8	71	ND	6.4	18	3,500
	6/11/2013	0.8	73	ND	5	19	3,100
	7/11/2013	0.93	74	ND	ND	20	4,000
	8/7/2013	0.51	70	ND	5	20	3,200

Laboratory Analysis - Bridgeton Landfill

Well Name	Date Sampled	Methane	CO ₂	O ₂ /Argon	Nitrogen	Hydrogen	Carbon Monoxide
		(%)					
GEW-20A	5/14/2013	6.3	37	11	42	ND	840
	6/11/2013	4.5	68	3	11	13	3,000
	7/11/2013	0.97	28	14	50	6.5	1,900
	8/7/2013	1.4	71	ND	6.1	18	4,000
GEW-21A	5/14/2013	1.7	65	ND	4.4	26	5,600
	6/11/2013	1.7	66	ND	ND	27	5,800
	7/11/2013	1.3	65	ND	3.9	27	7,000
	8/7/2013	0.78	64	ND	3.9	28	5,500
GEW-22R	5/14/2013	8.1	74	ND	ND	14	1,900
	6/11/2013	5.9	71	ND	ND	18	2,400
	7/10/2013	5.1	70	ND	ND	20	3,000
	8/7/2013	3.2	68	ND	ND	23	2,600
GEW-23A	5/14/2013	14	57	4	16	8.5	910
	6/11/2013	12	71	ND	ND	14	1,700
	7/10/2013	12	71	ND	ND	14	1,900
	8/7/2013	8.8	75	ND	ND	11	2,100
GEW-24A	5/14/2013	17	66	ND	ND	13	1,100
	6/11/2013	11	71	ND	ND	15	1,800
	7/10/2013	6.4	69	ND	ND	21	3,000
	8/7/2013	4.4	67	ND	ND	25	2,900
GEW-25A	5/14/2013	14	66	ND	ND	15	1,300
	6/11/2013	10	70	ND	ND	16	1,700
	7/10/2013	12	67	ND	ND	17	1,800
	8/7/2013	11	68	ND	ND	17	1,400
GEW-26R	3/6/2013	0.5	70	1	5	22	4,100
	4/25/2013	0.49	74	ND	ND	22	4,300
	5/14/2013	0.6	73	ND	ND	22	3,200
	6/11/2013	0.48	75	ND	ND	20	4,200
GEW-27A	5/14/2013	21	62	ND	3.6	12	910
	6/11/2013	11	69	ND	ND	16	1,700
	7/10/2013	10	69	ND	ND	17	2,200
	8/7/2013	5.4	69	ND	ND	21	2,200
GEW-28R	5/14/2013	17	64	ND	3.7	13	1,300
	6/11/2013	14	70	ND	3.8	11	930
	7/10/2013	14	71	ND	6.5	6.5	730
	8/7/2013	13	77	ND	ND	6.5	620
GEW-29	5/15/2013	6.3	68	ND	ND	23	2,400
	6/11/2013	5	66	ND	ND	26	2,700
	7/10/2013	3.7	67	ND	ND	25	3,400
	8/7/2013	2.5	67	ND	ND	26	3,400
GEW-30R	5/15/2013	21	60	ND	ND	15	1,900
	6/11/2013	20	57	ND	5.5	15	2,100
	7/10/2013	2.1	66	ND	ND	26	3,500
	8/7/2013	2	66	ND	ND	27	3,300
GEW-31R	2/12/2013	0.6	67	2	6.1	24	5,100
	3/5/2013	0.4	68	0	0	27	5,000
	5/15/2013	0.29	64	ND	ND	28	4,300
	6/13/2013	0.95	49	6	21	21	3,100

Laboratory Analysis - Bridgeton Landfill

Well Name	Date Sampled	Methane	CO ₂	O ₂ /Argon	Nitrogen	Hydrogen	Carbon Monoxide
		(%)					
GEW-32R	1/23/2013	1.1	60	1.2	4	32	4,700
	2/12/2013	0.9	55	3.4	13	27	3,700
	3/5/2013	1	62	0	0	33	4,100
GEW-33R	5/15/2013	0.17	37	8	29	23	2,700
	6/13/2013	0.23	55	ND	3.8	34	4,100
	7/9/2013	0.23	56	ND	ND	33	3,900
	8/7/2013	0.21	57	ND	ND	32	3,400
GEW-34	5/15/2013	0.44	4.6	20	73	ND	ND
	6/13/2013	1.1	34	9	34	20	1,400
	7/10/2013	4.6	61	ND	4.3	28	2,000
	8/7/2013	9	70	ND	ND	17	1,200
GEW-35	5/15/2013	0.23	30	11	40	18	1,600
	6/12/2013	0.24	56	ND	ND	34	3,100
	7/10/2013	0.18	58	ND	ND	36	3,400
	8/7/2013	0.15	58	ND	ND	36	3,000
GEW-36	5/15/2013	0.021	9.4	18	66	5.7	710
	6/12/2013	0.12	58	ND	ND	36	3,400
	7/10/2013	0.13	59	ND	ND	36	3,500
	8/7/2013	0.098	52	2	8.2	34	2,900
GEW-37	5/15/2013	0.17	57	ND	5	33	3,200
	6/12/2013	0.13	58	ND	ND	33	3,200
	7/10/2013	0.15	60	ND	ND	33	3,200
	8/7/2013	0.16	55	ND	4	35	3,000
GEW-38	5/15/2013	4.1	57	2	8	26	2,000
	6/12/2013	3.3	61	ND	ND	31	2,700
	7/10/2013	1.7	60	ND	ND	34	2,700
	8/7/2013	1.9	58	ND	ND	33	2,200
GEW-39	5/15/2013	33	46	3	15	ND	230
	6/12/2013	34	56	ND	ND	6	630
	7/10/2013	39	56	ND	ND	ND	170
	8/7/2013	37	56	ND	ND	ND	150
GEW-56R	5/14/2013	22	40	ND	33	4.1	240
	6/12/2013	21	ND	5	38	3.4	230
	7/11/2013	20	65	ND	ND	12	940
	8/6/2013	29	57	ND	6	6.5	670
GEW-57B	5/14/2013	0.21	59	ND	6	31	3,500
	6/12/2013	0.21	62	ND	4	30	3,900
	7/11/2013	0.2	66	ND	ND	29	4,100
	8/8/2013	0.15	66	ND	ND	28	3,700
GEW-57R	5/14/2013	1.1	59	ND	3.8	32	3,100
	6/12/2013	0.46	60	ND	ND	32	3,800
	7/11/2013	0.32	61	ND	ND	32	4,300
	8/8/2013	0.27	60	ND	3.8	31	3,800
GEW-58	1/23/2013	1.7	55	2	7.7	32	3,300
	2/12/2013	1.2	53	3	12	29	2,500
	3/5/2013	1.3	60	0	0	34	2,900

Laboratory Analysis - Bridgeton Landfill

Well Name	Date Sampled	Methane	CO ₂	O ₂ /Argon	Nitrogen	Hydrogen	Carbon Monoxide
							(%)
GEW-59R	5/14/2013	16	59	ND	6.6	16	1,200
	6/12/2013	12	63	ND	ND	21	1,600
	7/11/2013	7.6	65	ND	ND	23	2,300
	8/6/2013	8.7	64	ND	ND	22	1,700
GEW-60R	3/5/2013	0.4	59	2	6.9	30	4,200
	4/22/2013	0.39	55	3	10	30	3,300
	5/14/2013	0.52	56	ND	7.1	31	3,100
	6/12/2013	0.42	58	ND	3.7	32	3,700
GEW-62R	3/6/2013	6.1	45	5.8	22	20	1,300
	4/22/2013	4.6	43	5.9	21	23	1,700
	5/14/2013	1.8	50	4	15	28	2,300
	6/13/2013	1.6	ND	ND	ND	36	3,500
GEW-63	2/13/2013	0.19	71	0.89	3.3	23	5,400
	3/5/2013	0.3	70	0	0	26	6,100
	5/14/2013	0.32	67	ND	ND	26	4,800
	7/11/2013	0.44	67	ND	ND	26	4,200
GEW-64	2/12/2013	0.22	65	1	2	30	4,800
	4/22/2013	0.25	48	6	22	22	3,600
	5/15/2013	0.42	64	ND	3	29	4,500
	6/13/2013	0.32	64	ND	ND	31	5,200
GEW-65A	11/7/2012	0.19	57	3	9.3	30	5,600
	12/5/2012	0.4	60	1	4.8	32	6,400
	1/24/2013	0.32	62	1	5	30	6,700
	2/12/2013	0.27	62	2	7	27	5,000
GEW-66	5/14/2013	0.29	62	ND	ND	30	5,400
	6/13/2013	0.3	ND	ND	ND	30	5,500
	7/11/2013	0.24	45	7	26	20	3,700
	8/8/2013	0.46	62	ND	4.1	30	4,300
GEW-68	3/5/2013	4.5	67	0	0	25	2,700
	4/22/2013	2.1	64	ND	ND	30	3,400
	5/15/2013	2.3	64	ND	ND	30	3,200
	6/13/2013	2.2	64	ND	ND	30	3,900
GEW-69R	11/6/2012	1.4	67	1	4	24	6,300
	12/6/2012	8.3	65	1	5	20	4,900
	1/24/2013	7.6	68	1	3	19	5,400
	2/13/2013	2.2	68	2	6	20	5,100
GEW-70R	1/24/2013	0.19	64	1	5	29	6,500
	2/12/2013	0.15	67	1	2.1	28	5,500
	3/5/2013	0.2	66	0	0	30	6,100
GEW-71	3/6/2013	3.9	66	0	5.2	23	4,200
	4/22/2013	1.7	43	9	33	12	2,800
	5/14/2013	0.35	66	ND	3.9	27	5,200
	6/13/2013	0.27	67	ND	ND	28	6,400
GEW-72R	11/1/2012	1.7	68	1	4.5	24	6,900
	12/5/2012	0.51	70	1	3.2	23	8,900
	1/22/2013	20	60	1	5.8	13	1,800

Laboratory Analysis - Bridgeton Landfill

Well Name	Date Sampled	Methane	CO ₂	O ₂ /Argon	Nitrogen	Hydrogen	Carbon Monoxide
		(%)					
GEW-73R	5/15/2013	4.9	66	ND	ND	25	2,900
	6/11/2013	4	67	ND	ND	26	3,400
	7/9/2013	5.2	67	ND	ND	23	3,500
	8/7/2013	2.7	69	ND	ND	24	3,800

Laboratory Analysis - Bridgeton Landfill

Well Name	Date Sampled	Methane	CO ₂	O ₂ /Argon	Nitrogen	Hydrogen	Carbon Monoxide
		(%)					
GEW-74	1/24/2013	0.35	67	1	3	28	8,000
	2/12/2013	0.24	66	1	4	26	6,100
	3/5/2013	0.3	66	0	0	28	6,400
GEW-75	11/1/2012	0.26	66	1	4	27	7,300
	1/24/2013	0.23	47	7	26	18	4,200
GEW-76R	1/24/2013	0.28	59	4	16	19	6,900
	2/13/2013	0.2	71	1	2.3	23	6,700
	3/5/2013	0.2	69	0	0	25	6,500
GEW 77	5/14/2013	4.7	66	ND	ND	25	2,900
	6/11/2013	4.2	67	ND	ND	25	3,000
	7/11/2013	3.3	65	ND	4.2	25	3,800
	8/7/2013	2.6	67	ND	ND	26	3,400
GEW-78R	5/14/2013	2.3	64	ND	ND	29	3,800
	6/11/2013	1.9	65	ND	ND	29	3,900
	7/11/2013	1.5	65	ND	ND	28	5,100
	8/7/2013	0.91	65	ND	ND	30	4,700
GEW-79R	11/1/2012	0.56	73	1	3	22	8,000
	12/5/2012	2.1	70	1	2.7	23	6,700
GEW 80	5/14/2013	7.9	71	ND	ND	17	2,100
	6/11/2013	7.3	71	ND	ND	19	2,100
	7/11/2013	6.3	70	ND	ND	20	3,100
	8/7/2013	4.7	69	ND	ND	22	2,800
GEW 81	5/14/2013	6.9	72	ND	ND	15	1,700
	6/11/2013	7.2	73	ND	ND	17	1,800
	7/11/2013	4.7	67	2	5.7	20	3,000
	8/7/2013	2.5	68	ND	ND	25	3,100
GEW-82R	5/14/2013	2.3	67	ND	3.7	24	3,200
	6/11/2013	3	66	ND	ND	27	2,900
	7/11/2013	4	65	ND	4.5	24	2,900
	8/8/2013	4.1	66	ND	ND	26	2,400
GEW-83	5/14/2013	26	62	ND	7	3.9	350
	6/13/2013	28	64	ND	ND	4.1	440
	7/11/2013	27	64	ND	ND	5.1	630
	8/8/2013	24	63	ND	4.1	6	660
GEW-84	5/14/2013	16	75	ND	3.4	3.9	160
	6/13/2013	19	77	ND	ND	ND	57
	7/11/2013	21	74	ND	ND	ND	58
	8/8/2013	22	72	ND	ND	ND	110
GEW-85	5/14/2013	0.16	57	1.8	6.4	33	3,300
	6/13/2013	0.15	ND	ND	4.1	32	4,300
	7/11/2013	0.29	61	ND	ND	32	4,900
	8/6/2013	0.15	59	ND	3.7	32	4,300
GEW-90	5/14/2013	3.2	56	ND	4.4	32	2,800
	6/12/2013	0.49	58	ND	ND	36	3,500
	7/11/2013	0.31	58	ND	ND	36	4,000
	8/8/2013	0.26	56	ND	4.4	35	3,500

Laboratory Analysis - Bridgeton Landfill

Well Name	Date Sampled	Methane	CO ₂	O ₂ /Argon	Nitrogen	Hydrogen	Carbon Monoxide
							(%)
GEW-91	4/22/2013	0.21	71	ND	ND	24	5,500
	5/14/2013	0.16	59	4	15	21	4,500
	7/11/2013	0.25	67	ND	3.8	26	5,500
	8/8/2013	0.23	65	ND	ND	28	4,600
GEW-106	3/5/2013	10	37	10	38	4.2	710
	4/22/2013	0.19	69	ND	ND	25	4,900
	5/15/2013	0.27	67	ND	ND	27	4,200
	6/13/2013	0.31	71	ND	4.3	21	5,600
GEW-109	5/15/2013	20	55	ND	13	9.8	770
	6/12/2013	13	58	ND	4.2	22	1,500
	7/10/2013	12	54	ND	7.7	23	1,600
	8/7/2013	13	55	ND	ND	25	140
GEW-110	5/14/2013	5.3	67	ND	4.4	21	1,700
	6/13/2013	4.9	23	12	52	7.4	920
	7/11/2013	20	56	ND	ND	21	1,900
	8/6/2013	15	59	ND	ND	21	210
GEW-111	2/13/2013	7.9	37	5.5	43	5.7	980
LCS-1D	2/12/2013	57	30	2.7	10	ND	52
	3/6/2013	66	31	0	0	ND	0
	5/14/2013	61	36	ND	ND	ND	ND
	6/12/2013	62	35	ND	ND	ND	ND
LCS-2D	5/15/2013	49	43	1.7	6.4	ND	ND
	6/13/2013	51	45	ND	ND	ND	ND
	7/11/2013	49	47	ND	ND	ND	ND
	8/8/2013	47	48	ND	ND	ND	ND
LCS-3C	2/12/2013	17	70	0.97	3.5	8.1	1,600
	3/5/2013	16	69	0	4.6	8.7	1,800
	4/25/2013	2.6	13	17	65	ND	380
	6/13/2013	1.1	ND	17	63	ND	650
LCS-4B	12/5/2012	0.2	64	4.3	15	15	7,600
	2/13/2013	0.11	31	13	47	8.2	3,500
INLET	4/25/2013	8	32	11	40	8.1	1,200
	5/15/2013	11	49	5	20	13	1,900
	6/13/2013	9.8	40	7.6	30	10	1,700
	8/8/2013	12	52	4.3	18	12	1,600
East Side Utility Flare	7/15/2013	11	58	3.3	14	12	2,100
	8/8/2013	15	62	2.5	12	8.2	1,200

ND = Analyte not detected in sample.