

December 2015 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	System Pressure
		(% vol)				°F		scfm		H ₂ O		
GEW-002	12/4/2015 18:11	56.3	39.5	0.0	4.2	45.9		0	0	0.9	0.9	-11.2
GEW-002	12/4/2015 18:12	55.5	40.9	0.0	3.6	45.6		0	0	0.9	0.9	-11.6
GEW-002	12/7/2015 10:23	53.6	46.3	0.0	0.1	30.0	30.0			0.8	0.8	-10.7
GEW-002	12/7/2015 10:25	53.7	46.2	0.0	0.1	45.0	45.0			0.4	0.4	-10.7
GEW-002	12/14/2015 13:59	46.9	38.1	0.0	15.0	122.0	122.0	55	60	-3.0	-3.0	-10.7
GEW-002	12/14/2015 14:04	47.1	39.0	0.0	13.9	122.0	122.0	21	22	-2.1	-2.1	-10.8
GEW-002	12/21/2015 11:18	53.7	41.6	0.0	4.7	122.0	122.0	68	65	-2.2	-2.1	-10.5
GEW-002	12/21/2015 11:23	53.7	41.8	0.0	4.5	122.0	122.0	32	32	-0.8	-0.8	-10.4
GEW-002	12/29/2015 10:40	56.3	39.7	0.0	4.0	118.4		20	20	-1.0	-1.1	-9.7
GEW-002	12/31/2015 8:51	54.2	44.0	0.0	1.8	118.4		13	17	-0.5	-0.5	-8.8
GEW-002	12/31/2015 8:55	56.0	39.2	0.0	4.8	118.3		13	13	-0.4	-0.4	-8.7
GEW-003	12/4/2015 18:22	55.7	40.1	0.0	4.2	45.2		5	7	0.5	0.5	-11.6
GEW-003	12/4/2015 18:23	55.2	41.6	0.0	3.2	44.8		5	4	0.5	0.5	-11.5
GEW-003	12/7/2015 10:28	54.9	45.0	0.0	0.1	30.0	30.0			0.4	0.4	-10.2
GEW-003	12/7/2015 10:30	54.6	45.3	0.0	0.1	85.0	85.0	15	14	0.0	0.0	-9.2
GEW-003	12/14/2015 14:07	42.8	38.7	0.0	18.5	111.0	111.0	42	38	-4.1	-4.1	-10.3
GEW-003	12/14/2015 14:13	42.7	38.8	0.0	18.5	111.0	111.0	21	17	-3.1	-3.1	-10.9
GEW-003	12/21/2015 11:29	46.3	40.1	0.0	13.6	105.0	105.0	26	24	-0.2	-0.3	-10.1
GEW-003	12/29/2015 11:03	49.2	38.9	0.0	11.9	111.9		19	19	-1.1	-1.1	-9.4
GEW-003	12/29/2015 11:06	49.7	38.3	0.0	12.0	107.9		0	0	-1.0	-1.0	-9.4
GEW-004	12/4/2015 18:27	49.5	39.0	0.0	11.5	43.9		0	0	0.2	0.2	-11.4
GEW-004	12/4/2015 18:28	48.8	38.7	0.0	12.5	43.6		0	0	0.2	0.2	-11.5
GEW-004	12/7/2015 10:32	46.0	40.7	0.0	13.3	30.0	30.0			0.2	0.2	-8.9
GEW-004	12/7/2015 10:34	46.1	40.1	0.0	13.8	40.0	40.0			0.1	0.1	-8.8
GEW-004	12/14/2015 14:17	47.5	40.5	0.0	12.0	115.0	115.0	28	26	-2.4	-2.4	-11.0
GEW-004	12/14/2015 14:23	48.2	40.7	0.0	11.1	115.0	115.0	16	11	-2.0	-2.0	-11.6
GEW-004	12/21/2015 11:37	52.3	42.2	0.0	5.5	100.0	100.0	35	44	-0.2	-0.2	-10.3
GEW-004	12/29/2015 11:16	53.9	40.0	0.0	6.1	100.9		0	0	-0.8	-0.8	-9.7
GEW-005	12/7/2015 11:29	39.7	35.9	0.0	24.4	80.0	80.0			-0.2	-0.2	-8.8
GEW-005	12/15/2015 13:42	42.1	34.6	0.0	23.3	85.0	85.0			0.1	0.1	-10.5
GEW-005	12/15/2015 13:47	41.0	35.7	0.0	23.3	88.0	88.0	21	20	0.0	0.0	-9.7
GEW-005	12/21/2015 11:59	41.8	36.5	0.0	21.7	88.0	88.0	36	38	-0.2	-0.2	-10.1
GEW-005	12/29/2015 14:05	42.7	34.9	0.0	22.4	93.4		0	0	-0.3	-0.3	-7.8
GEW-006	12/7/2015 11:33	46.6	38.1	0.0	15.3	70.0	70.0			-0.1	-0.1	-8.6
GEW-006	12/15/2015 14:06	51.9	38.9	0.0	9.2	70.0	70.0		1	0.0	0.0	-9.6
GEW-006	12/15/2015 14:08	52.2	38.5	0.0	9.3	70.0	70.0	15	15	-0.1	-0.1	-9.5
GEW-006	12/21/2015 14:57	51.9	39.1	0.0	9.0	84.0	84.0	10	4	-0.2	-0.2	-9.4
GEW-006	12/29/2015 14:19	51.7	37.3	0.0	11.0	82.5		0	0	-0.4	-0.4	-7.7
GEW-007	12/7/2015 14:02	57.0	42.9	0.0	0.1	80.0	80.0			-2.0	-1.9	-9.0
GEW-007	12/15/2015 14:29	58.0	41.9	0.0	0.1	85.0	85.0	9	2	-2.3	-2.3	-9.6
GEW-007	12/21/2015 15:13	56.6	43.3	0.0	0.1	90.0	90.0	8	8	-2.3	-2.2	-9.6
GEW-007	12/30/2015 11:45	55.5	42.5	0.0	2.0	90.5		7	9	-1.9	-1.9	-7.1

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		(% vol)				°F		scfm		H ₂ O		
GEW-008	12/7/2015 14:06	52.3	46.2	0.0	1.5	100.0	100.0		1	-0.7	-0.7	-8.9
GEW-008	12/15/2015 14:35	51.2	47.4	0.0	1.4	100.0	100.0	12	8	-1.1	-1.1	-9.6
GEW-008	12/15/2015 14:40	51.6	46.8	0.0	1.6	100.0	100.0	18	13	-1.2	-1.2	-9.5
GEW-008	12/21/2015 15:19	50.9	48.4	0.0	0.7	108.0	108.0	8	9	-1.0	-1.0	-9.4
GEW-008	12/30/2015 11:42	50.7	40.7	0.0	8.6	111.8		11	18	-0.7	-0.7	-6.8
GEW-009	12/7/2015 14:32	54.4	45.2	0.0	0.4	110.0	110.0		6	0.0	0.0	-5.9
GEW-009	12/7/2015 14:34	54.1	45.1	0.0	0.8	110.0	110.0	16		-0.6	-0.5	-5.7
GEW-009	12/15/2015 15:39	39.9	42.6	0.0	17.5	105.0	105.0	21	21	-1.8	-1.8	-12.4
GEW-009	12/15/2015 15:44	40.3	41.8	0.0	17.9	105.0	105.0			-0.9	-0.9	-12.6
GEW-009	12/23/2015 9:09	48.5	43.4	0.0	8.1	124.5		35	35	0.0	0.0	-11.3
GEW-009	12/30/2015 11:38	44.3	39.0	0.0	16.7	117.8		10	10	-0.4	-0.4	-13.0
GEW-010	12/7/2015 14:38	56.0	43.8	0.0	0.2	50.0	50.0			-1.3	-1.3	-8.5
GEW-010	12/16/2015 9:27	53.2	46.7	0.0	0.1	55.0	55.0			-0.2	-0.2	-4.6
GEW-010	12/16/2015 9:31	56.3	43.6	0.0	0.1	55.0	55.0	1		-0.2	-0.2	-4.2
GEW-010	12/23/2015 9:00	53.1	41.7	0.5	4.7	59.9		3	3	-1.6	-1.6	-11.2
GEW-010	12/29/2015 11:23	53.8	43.3	0.0	2.9	36.0				-3.6	-3.6	-15.6
GEW-020A	12/10/2015 14:10	0.9	57.8	4.3	37.0	90.0	90.0	193	192	-11.4	-11.4	-11.5
GEW-022R	12/10/2015 14:13	1.0	74.6	0.0	24.4	170.0	170.0	168	169	-9.8	-9.0	-8.0
GEW-022R	12/10/2015 14:14	1.0	73.8	0.0	25.2	170.0	170.0	128	170	-8.3	-9.8	-7.9
GEW-027A	12/10/2015 14:25	0.2	58.5	3.3	38.0	90.0	90.0	207	208	-13.5	-13.2	-13.5
GEW-028R	12/10/2015 14:28	0.2	54.4	4.7	40.7	150.0	150.0	199	196	-13.4	-13.3	-13.2
GEW-028R	12/10/2015 14:28	0.3	59.8	2.9	37.0	150.0	150.0	197	197	-13.5	-13.4	-13.4
GEW-038	12/8/2015 11:38	0.2	42.8	8.0	49.0	52.0	52.0	14		-14.1	-14.0	-14.0
GEW-038	12/8/2015 11:39	0.2	42.4	8.4	49.0	52.0	52.0		1	-14.6	-14.8	-15.0
GEW-038	12/16/2015 8:20	0.3	44.7	7.6	47.4	45.0	45.0			-3.7	-3.7	-3.8
GEW-038	12/16/2015 8:29	0.2	47.8	6.8	45.2	45.0	45.0	27		-3.6	-3.6	-3.6
GEW-038	12/23/2015 8:59	0.4	52.0	3.9	43.7	59.9		6	3	-8.2	-8.2	-11.4
GEW-038	12/29/2015 11:04	0.1	27.8	12.8	59.3	33.4				-11.7	-11.8	-15.3
GEW-038	12/29/2015 11:06	0.2	32.6	10.1	57.1	33.6		9	5	-1.2	-1.0	-14.8
GEW-039	12/1/2015 15:34	32.1	47.7	0.6	19.6	128.0	128.0	81	82	-1.9	-1.9	-17.4
GEW-039	12/8/2015 11:37	32.1	48.7	0.3	18.9	136.0				-1.4	-1.3	-22.2
GEW-039	12/8/2015 11:38	35.2	49.4	0.1	15.3	136.0				-1.3	-1.3	-22.6
GEW-039	12/16/2015 8:51	39.4	59.4	0.0	1.2	133.0	133.0	14	15	0.0	0.0	-5.0
GEW-039	12/16/2015 8:58	40.0	58.3	0.0	1.7	133.0	133.0	27	26	-0.2	-0.2	-5.0
GEW-039	12/23/2015 9:04	39.3	52.8	0.0	7.9	134.6				-0.8	-0.8	-11.1
GEW-039	12/23/2015 9:05	39.2	52.3	0.0	8.5	134.6				-0.7	-0.7	-10.8
GEW-039	12/29/2015 11:09	33.8	47.1	0.0	19.1	130.8				-1.8	-1.8	-15.8
GEW-039	12/29/2015 11:10	33.1	45.7	0.0	21.2	130.5				-1.8	-1.8	-15.7
GEW-040	12/7/2015 9:42	56.9	43.0	0.0	0.1	70.0	70.0	21		-0.6	-0.6	-11.2
GEW-040	12/14/2015 10:20	57.2	42.7	0.0	0.1	80.0	80.0	34	38	-0.5	-0.5	-10.7
GEW-040	12/14/2015 10:26	56.6	43.3	0.0	0.1	80.0	80.0	30	31	-0.4	-0.4	-9.9
GEW-040	12/21/2015 10:22	57.8	42.0	0.0	0.2	80.0	80.0			-0.6	-0.6	-10.9

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		(% vol)				°F		scfm		H ₂ O		
GEW-040	12/29/2015 8:49	58.1	41.2	0.0	0.7	87.4		0	0	-1.3	-1.2	-13.3
GEW-040	12/29/2015 8:54	57.7	41.6	0.0	0.7	83.4		0	0	-0.6	-0.6	-10.0
GEW-041R	12/7/2015 9:45	58.0	41.9	0.0	0.1	71.0	71.0		9	-0.1	-0.1	-11.2
GEW-041R	12/14/2015 10:29	56.0	43.9	0.0	0.1	90.0	90.0	10		-0.1	-0.1	-7.8
GEW-041R	12/21/2015 10:27	56.6	43.3	0.0	0.1	88.0	88.0			-0.1	-0.1	-10.6
GEW-041R	12/29/2015 9:00	58.2	41.3	0.0	0.5	95.2		0	14	-0.5	-0.5	-9.4
GEW-042R	12/7/2015 9:47	56.9	43.0	0.0	0.1	94.0	94.0	21	21	-1.2	-1.2	-4.2
GEW-042R	12/14/2015 10:33	54.0	45.9	0.0	0.1	90.0	90.0	19	22	-1.2	-1.3	-3.4
GEW-042R	12/14/2015 10:37	53.5	46.4	0.0	0.1	90.0	90.0	16	16	-1.0	-1.1	-3.3
GEW-042R	12/21/2015 10:32	55.2	44.7	0.0	0.1	95.0	95.0	59	42	-1.4	-1.1	-3.1
GEW-042R	12/29/2015 9:05	56.5	43.1	0.0	0.4	99.9		11	0	-1.0	-1.0	-1.5
GEW-043R	12/7/2015 9:51	55.9	44.0	0.0	0.1	124.0	124.0	29	32	-1.4	-1.4	-10.7
GEW-043R	12/14/2015 10:49	55.0	44.9	0.0	0.1	120.0	120.0	42	40	-2.0	-2.0	-10.2
GEW-043R	12/21/2015 10:37	55.2	44.7	0.0	0.1	127.0	127.0	46	204	-1.7	-10.4	-10.4
GEW-043R	12/29/2015 9:10	55.4	42.6	0.0	2.0	126.1		33	40	-2.8	-2.9	-8.9
GEW-043R	12/29/2015 9:13	55.7	42.8	0.0	1.5	119.1		20	20	-1.6	-1.6	-9.7
GEW-044	12/7/2015 9:55	50.2	39.0	0.0	10.8	80.0	80.0			-0.8	-0.8	-4.9
GEW-044	12/14/2015 10:53	46.9	36.8	0.0	16.3	70.0	70.0			-1.2	-1.2	-5.5
GEW-044	12/21/2015 10:43	49.9	38.2	0.0	11.9	70.0	70.0	4	8	-0.6	-0.6	-4.5
GEW-044	12/29/2015 9:21	55.0	41.2	0.0	3.8	46.9		0	0	-2.8	-2.8	-3.8
GEW-044	12/29/2015 9:23	55.8	41.4	0.0	2.8	47.2		0	0	-3.0	-3.0	-4.2
GEW-045R	12/7/2015 10:00	58.0	41.9	0.0	0.1	65.0	65.0			-2.2	-2.2	-11.2
GEW-045R	12/14/2015 11:05	58.4	41.4	0.0	0.2	55.0	55.0			-2.7	-2.8	-10.4
GEW-045R	12/14/2015 11:10	58.3	41.6	0.0	0.1	55.0	55.0			-3.1	-2.7	-10.4
GEW-045R	12/21/2015 10:48	54.1	45.8	0.0	0.1	65.0	65.0			1.8	1.8	-10.6
GEW-045R	12/21/2015 10:52	54.2	45.7	0.0	0.1	75.0	75.0		3	-0.5	-0.4	-10.6
GEW-045R	12/29/2015 9:53	59.3	40.6	0.0	0.1	47.6		8	8	-2.8	-2.8	-9.7
GEW-046R	12/4/2015 18:17	54.8	39.5	0.0	5.7	44.5		0	0	0.4	0.4	-11.6
GEW-046R	12/4/2015 18:18	54.6	40.2	0.0	5.2	44.5		0	0	0.4	0.4	-11.6
GEW-046R	12/7/2015 10:03	57.0	42.9	0.0	0.1	40.0	40.0			0.3	0.3	-11.3
GEW-046R	12/7/2015 10:05	56.9	43.0	0.0	0.1	50.0	50.0			0.1	0.1	-11.1
GEW-046R	12/14/2015 11:37	48.4	41.1	0.0	10.5	80.0	80.0			-1.3	-1.3	-10.6
GEW-046R	12/14/2015 11:41	48.3	41.6	0.0	10.1	80.0	80.0			-1.6	-1.2	-10.6
GEW-046R	12/21/2015 11:00	51.3	42.9	0.0	5.8	73.0	73.0	33	33	-0.1	0.0	-10.5
GEW-046R	12/21/2015 11:04	51.2	42.8	0.0	6.0	73.0	73.0	30	31	-0.1	-0.1	-10.6
GEW-046R	12/29/2015 9:56	53.5	40.3	0.0	6.2	81.2		0	0	-1.1	-1.1	-9.7
GEW-047R	12/7/2015 11:26	42.5	36.9	0.0	20.6	90.0	90.0	11		-0.2	-0.2	-8.6
GEW-047R	12/14/2015 15:55	36.9	34.2	0.1	28.8	90.0	90.0	17	20	-1.1	-1.1	-9.9
GEW-047R	12/14/2015 16:00	36.9	34.0	0.2	28.9	90.0	90.0	14	19	-0.9	-0.9	-10.3
GEW-047R	12/21/2015 11:49	50.8	41.3	1.3	6.6	52.0	52.0	13	12	0.2	0.2	-9.5
GEW-047R	12/21/2015 11:53	55.4	44.5	0.0	0.1	70.0	70.0	17	14	0.0	0.0	-10.1
GEW-047R	12/29/2015 13:59	46.4	36.8	0.1	16.7	103.5		0	0	-0.3	-0.3	-7.8

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GEW-048	12/7/2015 11:31	53.1	41.4	0.0	5.5	90.0	90.0			-0.2	-0.2	-8.2
GEW-048	12/15/2015 13:52	52.1	40.0	0.0	7.9	85.0	88.0	20	22	0.0	0.0	-9.5
GEW-048	12/15/2015 14:02	51.2	40.6	0.0	8.2	85.0	85.0	30	28	-0.1	-0.1	-9.2
GEW-048	12/21/2015 14:52	52.5	41.1	0.0	6.4	94.0	94.0			-0.4	-0.3	-8.2
GEW-048	12/29/2015 14:12	52.2	38.6	0.0	9.2	101.3		0	0	-0.5	-0.4	-7.3
GEW-049	12/7/2015 14:10	54.2	42.3	0.0	3.5	80.0	80.0			0.1	0.1	-3.0
GEW-049	12/7/2015 14:11	54.8	41.7	0.0	3.5	92.0	92.0			-0.1	-0.1	-2.5
GEW-049	12/15/2015 14:45	46.5	39.7	0.0	13.8	100.0	100.0	26		-0.8	-0.7	-4.2
GEW-049	12/15/2015 14:50	50.4	39.2	0.0	10.4	100.0	100.0	10	8	-0.6	-0.5	-4.5
GEW-049	12/21/2015 15:25	48.5	39.8	0.0	11.7	100.0	100.0	34	36	-0.3	-0.3	-3.6
GEW-049	12/30/2015 11:12	54.7	37.2	0.0	8.1	84.0		0	0	0.1	0.1	-1.2
GEW-049	12/30/2015 11:14	54.3	38.2	0.0	7.5	100.7		12	15	0.0	-0.1	-0.6
GEW-050	12/7/2015 11:39	48.5	38.7	0.0	12.8	90.0	90.0	15	8	-0.5	-0.5	-5.5
GEW-050	12/7/2015 11:41	48.5	39.1	0.0	12.4	90.0	90.0	20	19	-0.3	-0.3	-5.1
GEW-050	12/15/2015 14:15	51.4	39.7	0.0	8.9	95.0	95.0	18	15	-0.1	-0.1	-4.3
GEW-050	12/21/2015 15:01	53.8	40.4	0.0	5.8	99.0	99.0	30	32	-0.1	-0.1	-3.8
GEW-050	12/29/2015 14:23	52.7	36.1	0.0	11.2	101.5		11	12	-0.4	-0.4	-2.5
GEW-051	12/7/2015 14:14	56.1	43.8	0.0	0.1	98.0	98.0			0.4	0.4	-8.6
GEW-051	12/7/2015 14:15	55.6	44.3	0.0	0.1	111.0	111.0			0.0	0.0	-7.9
GEW-051	12/15/2015 14:57	55.3	43.3	0.0	1.4	111.0	111.0	7	19	-1.2	-1.2	-9.5
GEW-051	12/21/2015 15:30	54.3	44.0	0.0	1.7	115.0	115.0		7	-0.2	-0.2	-9.7
GEW-051	12/30/2015 11:16	55.2	39.4	0.0	5.4	119.1		14	11	0.1	0.1	-7.0
GEW-051	12/30/2015 11:17	54.3	41.2	0.0	4.5	122.1		18	17	0.0	0.0	-6.9
GEW-052	12/7/2015 13:59	42.8	38.1	0.0	19.1	92.0	92.0			-0.1	-0.1	-9.2
GEW-052	12/15/2015 14:26	39.8	36.6	0.0	23.6	100.0	100.0	21	22	-0.2	-0.2	-9.8
GEW-052	12/21/2015 15:06	43.5	38.0	0.0	18.5	100.0	100.0	4	5	-0.1	-0.1	-9.4
GEW-052	12/30/2015 11:09	44.8	33.3	0.2	21.7	109.0		35	34	-0.1	-0.1	-7.5
GEW-053	12/7/2015 14:20	55.4	42.6	0.0	2.0	137.0	137.0			0.5	0.5	-8.6
GEW-053	12/7/2015 14:21	50.5	45.3	0.0	4.2	144.0	144.0			0.1	0.1	-8.0
GEW-053	12/15/2015 15:04	53.1	43.2	0.0	3.7	133.0	133.0	0	10	-1.2	-1.2	-10.0
GEW-053	12/15/2015 15:09	50.8	45.0	0.0	4.2	133.0	133.0		12	-1.3	-1.3	-11.0
GEW-053	12/21/2015 15:33	49.4	44.3	0.0	6.3	135.0	135.0	16	16	-0.9	-0.9	-9.6
GEW-053	12/21/2015 15:34	49.8	43.8	0.0	6.4	135.0	135.0	13	12	-0.8	-0.8	-9.7
GEW-053	12/30/2015 11:20	51.3	41.4	0.0	7.3	136.0		20	20	-0.2	-0.2	-7.3
GEW-053	12/30/2015 11:20	50.3	43.1	0.0	6.6	135.6		20	20	-0.2	-0.2	-7.2
GEW-054	12/7/2015 14:24	52.2	45.9	0.0	1.9	133.0	133.0			0.7	0.6	-8.5
GEW-054	12/7/2015 14:25	52.1	46.0	0.0	1.9	140.0	140.0			0.0	0.1	-8.6
GEW-054	12/15/2015 15:13	52.8	45.2	0.0	2.0	137.0	137.0	13	22	-1.2	-1.2	-10.5
GEW-054	12/15/2015 15:18	52.4	45.8	0.0	1.8	137.0	137.0	25	14	-1.2	-1.2	-10.5
GEW-054	12/21/2015 15:44	51.0	46.0	0.0	3.0	140.0	140.0	29	22	-0.8	-0.8	-10.1
GEW-054	12/21/2015 15:48	51.0	46.1	0.0	2.9	140.0	140.0	25	20	-0.6	-0.7	-8.7
GEW-054	12/30/2015 11:25	54.1	38.3	0.0	7.6	147.7		27	32	0.0	0.0	-6.1

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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	System Pressure
		(% vol)				°F		scfm		H ₂ O		
GEW-054	12/30/2015 11:26	52.3	41.8	0.0	5.9	147.7		31	27	-0.2	-0.2	-6.6
GEW-055	12/7/2015 14:28	54.3	44.7	0.0	1.0	100.0	100.0			0.3	0.3	-8.4
GEW-055	12/7/2015 14:29	54.5	44.7	0.0	0.8	110.0	110.0			-0.1	-0.2	-8.2
GEW-055	12/15/2015 15:28	53.6	45.2	0.0	1.2	115.0	115.0		17	-1.7	-1.7	-10.0
GEW-055	12/15/2015 15:34	54.8	44.4	0.0	0.8	115.0	115.0			-1.1	-1.0	-10.4
GEW-055	12/21/2015 15:51	53.2	45.0	0.0	1.8	111.0	111.0	7	9	-0.3	-0.4	-9.2
GEW-055	12/30/2015 11:29	52.5	42.3	0.0	5.2	116.8		10	0	0.0	0.0	-7.1
GEW-056R	12/7/2015 14:46	7.9	50.3	0.0	41.8	150.0	150.0	55	56	-1.1	-1.2	-3.2
GEW-056R	12/7/2015 14:47	8.0	49.2	0.1	42.7	150.0	150.0	56	56	-1.1	-1.2	-3.4
GEW-056R	12/16/2015 9:06	2.6	61.1	0.0	36.3	145.0	145.0	12	15	-0.1	-0.1	-0.4
GEW-056R	12/16/2015 9:14	2.2	61.6	0.0	36.2	145.0	145.0	15	16	-0.1	-0.1	-0.4
GEW-056R	12/23/2015 8:56	11.5	39.3	0.1	49.1	165.9				-3.7	-3.8	-7.3
GEW-056R	12/23/2015 8:57	11.6	38.2	0.1	50.1	165.9				-3.7	-3.7	-7.3
GEW-056R	12/29/2015 11:18	9.4	41.4	0.0	49.2	165.0				-6.0	-6.0	-9.3
GEW-056R	12/29/2015 11:19	9.6	38.4	0.0	52.0	165.0				-6.2	-6.0	-9.2
GEW-057B	12/17/2015 11:08	0.6	57.9	2.2	39.3	167.0	167.0	173	173	-10.8	-10.6	-10.6
GEW-057B	12/17/2015 11:08	0.6	62.3	0.5	36.6	167.0	167.0	175	175	-10.7	-10.9	-11.0
GEW-057R	12/17/2015 11:05	0.7	60.4	1.1	37.8	185.0	185.0	170	170	-10.7	-10.8	-10.8
GEW-057R	12/17/2015 11:06	0.7	61.8	0.5	37.0	185.0	185.0	172	170	-10.8	-10.8	-11.0
GEW-058	12/17/2015 10:59	5.0	60.6	0.9	33.5	172.0	172.0			-13.6	-13.6	-13.5
GEW-058	12/17/2015 11:00	5.1	62.0	0.3	32.6	172.0	172.0			-13.6	-13.5	-13.5
GEW-058A	12/17/2015 10:57	0.6	59.6	1.2	38.6	188.0	188.0	113	113	-4.9	-5.0	-13.5
GEW-058A	12/17/2015 10:58	0.6	59.2	1.2	39.0	188.0	188.0	119	119	-5.4	-5.3	-13.4
GEW-059R	12/17/2015 11:29	1.2	60.7	0.1	38.0	142.0	142.0	184	195	-12.0	-12.8	-13.2
GEW-059R	12/17/2015 11:30	1.2	61.4	0.0	37.4	142.0	142.0	198	196	-13.4	-13.1	-12.5
GEW-061B	12/17/2015 10:48	0.1	8.2	19.3	72.4	44.0	44.0	235	235	-12.7	-12.7	-12.9
GEW-061B	12/17/2015 10:48	0.1	7.3	20.1	72.5	44.0	44.0	238	239	-12.9	-12.9	-13.0
GEW-065A	12/17/2015 11:33	0.7	66.5	0.0	32.8	192.0	192.0			-13.0	-13.2	-13.1
GEW-065A	12/17/2015 11:34	0.7	68.2	0.0	31.1	192.0	192.0			-13.3	-13.3	-13.1
GEW-067A	12/17/2015 14:20	1.2	35.3	9.8	53.7	186.8				-4.6	-4.9	-4.4
GEW-067A	12/17/2015 14:22	1.6	50.1	3.0	45.3	189.1				-1.1	-0.5	-5.5
GEW-077	12/10/2015 13:51	0.5	72.0	0.0	27.5	111.0	111.0	182	176	-10.8	-10.5	-10.3
GEW-080	12/10/2015 13:54	0.4	22.8	13.2	63.6	50.0	50.0	216	210	-11.1	-11.1	-11.3
GEW-080	12/10/2015 13:55	0.2	12.1	17.0	70.7	50.0	50.0	218	223	-11.1	-11.3	-11.4
GEW-082R	12/10/2015 13:58	1.0	64.8	0.0	34.2	180.0	180.0	149	149	-8.1	-8.2	-10.3
GEW-082R	12/10/2015 14:00	1.0	65.0	0.0	34.0	180.0	180.0	150	152	-8.2	-8.6	-10.0
GEW-086	12/17/2015 10:40	14.8	39.2	5.0	41.0	110.0	110.0	108	109	-3.5	-3.5	-12.8
GEW-086	12/17/2015 10:41	14.8	38.4	5.2	41.6	110.0	110.0	108	108	-3.5	-3.6	-12.8
GEW-089	12/17/2015 10:44	8.1	31.8	10.6	49.5	55.0	55.0	45	43	-0.8	-0.8	-12.1
GEW-089	12/17/2015 10:45	7.9	30.9	11.1	50.1	55.0	55.0	44	45	-0.8	-0.8	-12.4
GEW-090	12/17/2015 14:25	6.8	58.3	0.1	34.8	173.0	173.0	175	174	-10.5	-10.5	-10.7
GEW-090	12/17/2015 14:25	6.8	57.9	0.1	35.2	173.0	173.0	176	178	-10.3	-10.7	-10.7

December 2015 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	System Pressure
		(% vol)				°F		scfm		H ₂ O		
GEW-102	12/17/2015 14:53	3.8	68.8	0.0	27.4	188.0	188.0	190	193	-14.3	-13.9	-13.8
GEW-102	12/17/2015 14:54	3.9	68.9	0.0	27.2	188.0	188.0	189	187	-13.4	-13.3	-13.5
GEW-104	12/17/2015 14:45	0.5	37.9	9.6	52.0	55.0	55.0	230	233	-14.2	-14.1	-14.1
GEW-104	12/17/2015 14:45	0.5	39.2	8.7	51.6	55.0	55.0	232	231	-14.2	-14.2	-14.2
GEW-105	12/17/2015 11:24	2.1	55.6	4.8	37.5	45.0	45.0	242	241	-16.4	-16.3	-16.4
GEW-109	12/1/2015 15:37	5.6	54.6	0.0	39.8	65.0	65.0			-12.5	-12.6	-18.0
GEW-109	12/8/2015 11:34	7.9	46.5	0.2	45.4	102.6		2	2	-13.7	-13.7	-22.8
GEW-109	12/16/2015 8:32	5.1	57.2	0.5	37.2	60.0	60.0	9	14	-3.3	-3.2	-4.9
GEW-109	12/16/2015 8:37	5.3	60.5	0.0	34.2	60.0	60.0	8	11	-3.3	-3.3	-5.0
GEW-109	12/23/2015 9:01	6.2	46.4	0.3	47.1	59.4		13	17	-10.2	-10.3	-11.1
GEW-109	12/29/2015 11:13	7.0	47.4	0.0	45.6	45.2		3	2	-12.3	-12.3	-15.5
GEW-109	12/29/2015 11:15	6.8	47.8	0.0	45.4	42.0		4	4	-7.8	-7.8	-15.6
GEW-110	12/7/2015 14:43	5.5	28.4	10.7	55.4	90.0	90.0			-0.5	-0.5	-6.1
GEW-110	12/7/2015 14:44	5.4	28.3	10.6	55.7	90.0	90.0			-0.5	-0.6	-8.5
GEW-110	12/16/2015 9:40	6.1	36.8	8.5	48.6	90.0	90.0			-0.2	-0.2	-4.2
GEW-110	12/16/2015 9:44	6.1	34.9	8.8	50.2	90.0	90.0			-0.3	-0.3	-4.1
GEW-110	12/23/2015 9:08	4.5	24.1	10.9	60.5	95.6		21	21	-0.6	-0.6	-11.1
GEW-110	12/23/2015 9:10	4.7	26.0	10.7	58.6	95.5		18	17	-0.4	-0.4	-12.4
GEW-110	12/29/2015 11:27	2.4	17.5	18.0	62.1	62.5				-0.7	-0.6	-16.6
GEW-110	12/29/2015 11:29	1.6	14.9	18.4	65.1	62.4		13	13	-0.3	-0.3	-16.0
GEW-116	12/4/2015 10:02	4.0	62.5	3.8	29.7	77.0	77.0			-6.1	-6.0	-8.8
GEW-116	12/10/2015 14:03	3.7	58.9	4.8	32.6	66.0	66.0			-7.5	-7.5	-11.3
GEW-117	12/10/2015 14:06	4.2	63.6	3.3	28.9	70.0	70.0	197	191	-11.5	-11.5	-11.5
GEW-120	12/10/2015 14:12	15.9	60.8	0.1	23.2	170.7				-3.4	-3.4	-3.3
GEW-120	12/10/2015 14:13	16.9	61.5	0.1	21.5	171.2				-3.4	-3.4	-3.2
GEW-121	12/10/2015 14:16	5.4	56.9	0.0	37.7	187.2				-9.3	-9.3	-9.2
GEW-121	12/10/2015 14:17	4.5	56.8	0.1	38.6	187.4				-9.3	-9.9	-9.5
GEW-122	12/10/2015 14:27	3.5	56.8	0.0	39.7	193.7				-1.9	-1.9	-2.0
GEW-122	12/10/2015 14:28	3.6	56.1	0.0	40.3	193.7				-2.4	-2.4	-2.4
GEW-123	12/10/2015 14:20	2.3	55.7	2.9	39.1	192.6				-11.3	-11.3	-11.7
GEW-123	12/10/2015 14:21	2.4	52.8	2.8	42.0	192.6				-11.0	-10.9	-11.4
GEW-124	12/10/2015 14:24	7.9	55.5	0.8	35.8	111.6				-11.3	-11.8	-11.2
GEW-125	12/18/2015 11:11	1.3	60.8	0.1	37.8	192.5				-8.2	-8.2	-11.0
GEW-125	12/18/2015 11:12	1.2	61.9	0.0	36.9	192.6				-8.4	-8.7	-11.3
GEW-126	12/15/2015 15:33	4.0	58.3	0.1	37.6	184.1				-11.6	-11.6	-11.1
GEW-126	12/15/2015 15:34	5.3	57.0	0.1	37.6	184.6				-11.5	-11.5	-11.0
GEW-127	12/15/2015 15:28	3.0	55.1	0.3	41.6	186.3				-11.6	-11.6	-11.7
GEW-127	12/15/2015 15:29	0.7	61.5	0.1	37.7	186.3				-8.7	-9.2	-11.9
GEW-128	12/18/2015 11:28	1.1	60.5	0.0	38.4	182.2				-11.8	-11.5	-11.3
GEW-128	12/18/2015 11:29	0.8	63.5	0.0	35.7	182.2				-11.5	-11.8	-11.1
GEW-129	12/15/2015 15:39	0.7	60.2	0.0	39.1	166.4				-8.7	-8.9	-12.1
GEW-129	12/15/2015 15:42	0.6	54.1	0.1	45.2	166.4				-10.1	-9.6	-12.3

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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	System Pressure
		(% vol)				°F		scfm		H ₂ O		
GEW-131	12/18/2015 11:15	21.4	56.4	0.1	22.1	125.1				-10.1	-10.1	-10.1
GEW-132	12/10/2015 14:32	9.4	48.7	2.7	39.2	181.4				-9.6	-9.7	-10.1
GEW-132	12/10/2015 14:34	9.7	49.0	2.8	38.5	181.4				-9.8	-9.3	-10.3
GEW-133	12/10/2015 14:08	1.5	55.9	0.2	42.4	71.4		7	11	-11.7	-11.7	-11.7
GEW-134	12/10/2015 14:03	16.5	58.1	0.3	25.1	168.3				-11.7	-12.1	-11.8
GEW-134	12/10/2015 14:04	17.3	54.2	0.3	28.2	168.3				-11.9	-11.8	-12.1
GEW-135	12/10/2015 14:00	7.5	55.4	0.5	36.6	178.7				-7.5	-7.3	-7.3
GEW-135	12/10/2015 14:01	7.1	55.3	0.5	37.1	178.7				-7.4	-7.4	-8.3
GEW-136	12/10/2015 13:56	2.4	17.5	16.8	63.3	133.3				-9.3	-9.4	-9.4
GEW-136	12/10/2015 13:57	2.3	12.6	17.3	67.8	136.6				-9.8	-9.8	-9.8
GEW-137	12/10/2015 13:52	20.2	36.3	1.3	42.2	120.1				-10.3	-10.4	-10.3
GEW-138	12/18/2015 13:40	16.1	43.9	1.5	38.5	157.0				-2.1	-2.1	-9.4
GEW-138	12/18/2015 13:40	15.7	45.7	1.5	37.1	157.0				-2.1	-2.1	-9.2
GEW-139	12/14/2015 16:56	4.4	54.3	2.5	38.8	184.6				-9.9	-9.9	-10.8
GEW-139	12/14/2015 16:57	4.3	49.5	2.6	43.6	184.6				-8.8	-8.5	-10.6
GEW-140	12/14/2015 16:52	3.6	60.4	0.1	35.9	179.3				19.8	19.8	20.1
GEW-140	12/14/2015 16:53	3.7	62.5	0.0	33.8	183.0				18.3	18.2	19.2
GEW-141	12/15/2015 15:46	1.3	58.5	0.0	40.2	148.5				-12.5	-12.7	-12.3
GEW-141	12/15/2015 15:47	1.1	61.2	0.1	37.6	140.0				-12.6	-12.6	-12.7
GEW-142	12/16/2015 8:23	0.3	60.6	0.0	39.1	104.2				41.9	42.3	42.0
GEW-142	12/16/2015 8:24	0.2	61.4	0.0	38.4	103.9				40.9	40.4	41.1
GEW-143	12/16/2015 8:19	0.2	53.7	1.1	45.0	103.0				-2.8	-2.4	-2.9
GEW-144	12/16/2015 8:12	0.8	55.2	1.3	42.7	70.2				8.0	5.9	8.1
GEW-144	12/16/2015 8:13	0.7	57.1	0.9	41.3	71.9				-1.4	-1.1	-1.3
GEW-145	12/18/2015 11:20	4.0	56.9	0.6	38.5	137.0				-13.1	-13.1	-12.8
GEW-145	12/18/2015 11:20	3.1	56.5	0.4	40.0	137.6				-13.1	-12.7	-13.0
GEW-146	12/14/2015 16:19	6.8	29.0	9.3	54.9	76.9				-8.5	-8.5	-9.4
GEW-146	12/14/2015 16:20	6.6	28.2	9.4	55.8	77.3				-6.0	-6.0	-10.9
GEW-147	12/18/2015 13:51	5.6	38.4	6.6	49.4	183.6				-10.3	-9.8	-11.7
GEW-147	12/18/2015 13:51	4.0	42.1	6.8	47.1	184.1				-7.6	-7.6	-11.4
GEW-148	12/14/2015 16:02	2.6	59.1	0.2	38.1	135.3				-11.5	-11.9	-11.6
GEW-148	12/14/2015 16:05	2.2	58.8	0.1	38.9	136.3				-9.6	-9.9	-11.8
GEW-149	12/14/2015 15:55	13.6	57.0	0.6	28.8	168.8				-0.6	-0.6	-11.1
GEW-149	12/14/2015 15:57	14.2	59.5	0.4	25.9	171.7			42	-3.3	-3.2	-11.7
GEW-150	12/17/2015 14:42	0.0	13.2	20.1	66.7	136.3				-5.9	-6.7	-6.2
GEW-150	12/23/2015 9:45	0.0	12.3	20.3	67.4	133.3				-4.2	-3.2	-4.8
GEW-151	12/18/2015 9:56	8.9	36.5	7.4	47.2	171.2				-10.6	-10.5	-13.5
GEW-151	12/18/2015 9:57	8.1	37.5	7.1	47.3	171.2				-10.5	-10.6	-12.6
GEW-153	12/14/2015 17:22	0.4	51.3	1.2	47.1	46.1				9.1	9.0	9.3
GEW-153	12/14/2015 17:23	0.4	54.2	1.0	44.4	46.2				9.1	9.1	9.4
GEW-154	12/14/2015 16:11	10.9	29.4	12.5	47.2	144.7			36	-5.7	-6.0	-8.1
GEW-154	12/14/2015 16:12	10.9	27.6	12.6	48.9	144.4			29	-4.5	-4.7	-10.3

December 2015 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	System Pressure
		(% vol)				°F		scfm		H ₂ O		
GEW-155	12/10/2015 13:45	3.5	24.1	12.2	60.2	108.6				-3.9	-3.8	-4.0
GEW-155	12/10/2015 13:47	3.4	24.4	12.4	59.8	108.5				-1.5	-1.5	-9.9
GEW-156	12/16/2015 8:03	6.6	9.7	14.8	68.9	120.4				-1.5	-1.5	-13.2
GEW-156	12/16/2015 8:04	5.9	12.9	14.4	66.8	124.0				-1.5	-1.4	-12.7
GIW-01	12/1/2015 15:51	3.1	67.7	0.2	29.0	189.6		31	48	-2.2	-2.0	-3.6
GIW-01	12/1/2015 15:54	2.9	65.2	0.1	31.8	189.1		23	0	-1.1	-1.2	-1.9
GIW-01	12/9/2015 13:47	3.1	77.0	0.0	19.9	182.0	182.0	17	21	-7.2	-7.4	-8.1
GIW-01	12/9/2015 13:51	3.1	76.2	0.0	20.7	182.0	182.0	30	34	-6.7	-6.9	-8.3
GIW-01	12/14/2015 15:40	3.0	65.3	0.1	31.6	185.7			17	-10.7	-11.0	-11.6
GIW-01	12/14/2015 15:42	2.7	66.9	0.0	30.4	186.3			45	-10.9	-10.9	-12.0
GIW-01	12/23/2015 9:16	3.0	67.4	0.0	29.6	187.0		14	0	-9.7	-9.7	-10.2
GIW-01	12/23/2015 9:17	2.9	69.5	0.0	27.6	186.5		0	16	-9.7	-9.7	-10.6
GIW-01	12/29/2015 11:40	2.4	56.5	3.9	37.2	183.5		43	38	-14.6	-14.2	-15.6
GIW-01	12/29/2015 11:42	2.3	56.6	3.7	37.4	183.1		35	20	-14.0	-13.8	-15.5
GIW-02	12/1/2015 15:41	5.9	32.1	9.9	52.1	62.7		0	0	-0.7	-0.7	-3.7
GIW-02	12/1/2015 15:42	6.1	31.3	9.5	53.1	63.1		12	12	-2.3	-2.3	-3.2
GIW-02	12/10/2015 10:11	6.8	37.0	7.7	48.5	51.0	51.0	80		-9.0	-8.8	-8.9
GIW-02	12/10/2015 10:15	7.0	36.7	7.9	48.4	51.0	51.0	30		-8.7	-8.6	-11.4
GIW-02	12/15/2015 14:04	5.3	24.7	11.1	58.9	63.8		45	45	-10.6	-10.6	-12.8
GIW-02	12/15/2015 14:05	5.1	24.0	11.0	59.9	63.5		0	0	-9.1	-9.1	-12.3
GIW-02	12/23/2015 10:15	0.1	12.5	19.1	68.3	61.7		3	3	-0.2	-0.2	-10.7
GIW-02	12/23/2015 10:16	0.0	11.2	19.2	69.6	60.9		6	7	-0.2	-0.3	-10.5
GIW-02	12/31/2015 8:17	0.4	58.4	1.2	40.0	31.3		0	0	-0.5	-0.4	-14.0
GIW-03	12/1/2015 15:33	0.4	55.3	2.2	42.1	63.0		0	4	-0.9	-1.1	-3.5
GIW-03	12/1/2015 15:34	0.3	49.2	6.6	43.9	63.5		12	0	-1.9	-2.1	-2.2
GIW-03	12/10/2015 10:05	0.2	25.5	13.8	60.5	52.0	52.0			-11.5	-10.9	-10.9
GIW-03	12/10/2015 10:09	0.2	24.5	14.0	61.3	52.0	52.0			-11.0	-11.0	-11.1
GIW-03	12/15/2015 14:10	0.6	23.3	13.4	62.7	48.7		15	10	-12.5	-12.4	-12.5
GIW-03	12/15/2015 14:12	0.1	26.2	12.7	61.0	48.9		13	0	-8.6	-8.6	-12.3
GIW-03	12/23/2015 10:12	0.1	20.8	16.9	62.2	61.1		6	2	-8.7	-8.4	-10.7
GIW-03	12/23/2015 10:14	0.1	17.4	17.6	64.9	61.1		10	5	-8.7	-8.7	-10.8
GIW-03	12/31/2015 8:16	0.4	54.0	0.7	44.9	31.3		12	12	0.0	0.0	-14.5
GIW-04	12/1/2015 15:28	0.8	52.3	0.3	46.6	61.9		15	0	-2.9	-2.2	-2.8
GIW-04	12/10/2015 9:59	0.2	15.1	16.2	68.5	55.0	55.0			-11.0	-11.1	-11.1
GIW-04	12/10/2015 10:02	0.2	12.9	16.6	70.3	55.0	55.0	8		-11.0	-11.0	-11.1
GIW-04	12/15/2015 14:17	0.2	21.4	14.4	64.0	48.4		8	0	-12.5	-12.5	-12.1
GIW-04	12/15/2015 14:19	0.5	31.3	7.8	60.4	48.5		8	8	-10.6	-10.6	-12.3
GIW-04	12/23/2015 10:07	0.5	38.5	7.8	53.2	59.7		8	8	-5.3	-5.7	-10.8
GIW-04	12/23/2015 10:09	0.5	42.3	6.9	50.3	59.9		7	8	-5.7	-5.7	-10.4
GIW-04	12/31/2015 8:12	0.2	10.1	19.9	69.8	31.1		0	0	-3.1	-3.1	-14.4
GIW-04	12/31/2015 8:12	0.1	8.0	19.4	72.5	30.9		0	0	-3.6	-3.6	-14.7
GIW-05	12/1/2015 15:44	3.8	67.2	0.0	29.0	40.0	40.0	0		-0.4	-0.9	-2.7

December 2015 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	System Pressure
		(% vol)				°F		scfm		H ₂ O		
GIW-05	12/9/2015 11:23	2.6	59.1	1.7	36.6	50.0	50.0			-4.7	-5.5	-7.7
GIW-05	12/9/2015 11:28	2.8	58.9	1.6	36.7	50.0	50.0	22	3	-4.4	-5.3	-8.1
GIW-05	12/14/2015 15:14	2.4	56.5	1.4	39.7	47.6			33	-9.9	-9.9	-10.6
GIW-05	12/14/2015 15:15	2.6	55.2	1.2	41.0	47.6			15	-8.0	-8.0	-10.8
GIW-05	12/23/2015 9:36	2.5	55.8	1.0	40.7	59.3		10	8	-8.6	-8.6	-10.8
GIW-05	12/23/2015 9:38	2.7	55.9	0.9	40.5	59.3		8	6	-7.7	-7.5	-10.5
GIW-05	12/29/2015 11:51	2.3	54.3	1.7	41.7	32.6		6	8	-12.7	-12.7	-15.0
GIW-05	12/29/2015 11:53	2.4	55.5	1.4	40.7	32.9		10	10	-0.5	-0.5	-15.5
GIW-06	12/1/2015 15:06	1.1	60.4	0.1	38.4	60.5		11	9	-3.0	-2.4	-3.1
GIW-06	12/10/2015 9:19	1.2	68.0	0.1	30.7	50.0	50.0			-10.2	-10.2	-10.6
GIW-06	12/10/2015 9:23	1.3	68.0	0.1	30.6	50.0	50.0			-10.3	-10.3	-10.3
GIW-06	12/15/2015 14:38	2.1	52.6	0.5	44.8	48.7		12	13	-12.0	-12.0	-12.2
GIW-06	12/15/2015 14:40	1.3	59.7	0.2	38.8	48.9		7	14	-4.2	-4.1	-12.2
GIW-06	12/23/2015 9:45	1.5	61.7	0.1	36.7	58.2		14	0	-10.6	-10.3	-10.5
GIW-06	12/31/2015 8:32	1.2	60.2	0.5	38.1	30.2		0	8	-15.1	-15.1	-14.9
GIW-07	12/1/2015 15:11	30.6	58.1	0.6	10.7	59.6		0	5	-18.3	-18.7	-18.8
GIW-07	12/10/2015 9:29	29.7	63.3	0.3	6.7	50.0	50.0			-10.8	-10.8	-10.7
GIW-07	12/10/2015 9:33	29.8	62.7	0.6	6.9	50.0	50.0	13		-10.7	-10.7	-10.7
GIW-07	12/15/2015 14:52	30.0	56.9	0.6	12.5	49.6		0	9	-12.5	-12.7	-12.2
GIW-07	12/15/2015 14:54	30.1	55.0	0.7	14.2	49.7		7	6	-10.6	-10.6	-12.2
GIW-07	12/23/2015 9:50	30.1	54.3	0.6	15.0	58.4		10	14	-9.7	-9.7	-10.2
GIW-07	12/31/2015 8:30	4.6	28.1	2.3	65.0	29.7		3	3	-14.7	-14.7	-15.0
GIW-08	12/1/2015 15:38	24.3	65.7	1.1	8.9	40.0	40.0	107	106	-3.0	-3.0	-19.1
GIW-08	12/9/2015 11:14	26.8	63.0	1.3	8.9	55.0	55.0	105	104	-2.9	-2.9	-18.7
GIW-08	12/9/2015 11:18	27.3	61.8	2.6	8.3	55.0	55.0	105	105	-2.8	-2.8	-18.7
GIW-08	12/10/2015 9:10	12.6	29.3	12.3	45.8	45.0	45.0	209	208	-10.9	-10.8	-11.0
GIW-08	12/10/2015 9:14	27.4	68.0	0.4	4.2	45.0	45.0	200	199	-10.4	-10.4	-10.3
GIW-08	12/15/2015 14:46	27.3	60.1	0.0	12.6	49.9		109	109	-2.2	-2.3	-12.2
GIW-08	12/15/2015 14:48	28.2	59.2	0.1	12.5	50.5				-7.7	-7.6	-12.0
GIW-08	12/23/2015 9:54	28.0	56.7	0.0	15.3	59.2		184	185	-6.3	-6.7	-11.4
GIW-08	12/31/2015 8:27	7.6	16.6	16.9	58.9	44.8				-5.8	-5.4	-15.4
GIW-08	12/31/2015 8:28	7.7	15.8	16.9	59.6	44.8				-6.3	-6.2	-14.9
GIW-09	12/1/2015 15:16	3.1	13.8	15.8	67.3	66.8				-5.4	-4.9	-17.7
GIW-09	12/1/2015 15:17	3.4	12.4	16.1	68.1	66.2				-3.1	-3.0	-21.3
GIW-09	12/10/2015 9:01	5.5	23.2	13.2	58.1	45.0	45.0	163	161	-7.3	-8.1	-10.8
GIW-09	12/10/2015 9:05	5.7	20.4	13.9	60.0	45.0	45.0	178	181	-7.3	-7.2	-10.9
GIW-09	12/15/2015 14:31	6.0	26.5	13.1	54.4	59.9				-7.3	-7.8	-12.4
GIW-09	12/15/2015 14:33	7.6	17.9	14.1	60.4	59.1				-2.7	-2.7	-12.0
GIW-09	12/23/2015 9:57	7.7	21.1	14.5	56.7	65.8				-2.9	-3.0	-8.8
GIW-09	12/23/2015 9:59	7.6	18.8	14.9	58.7	65.8				-2.9	-2.9	-9.2
GIW-09	12/31/2015 8:26	3.4	33.9	14.5	48.2	44.5				-6.4	-6.8	-14.9
GIW-09	12/31/2015 8:26	4.7	28.3	14.8	52.2	44.5				-7.6	-9.8	-15.0

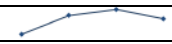

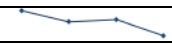
December 2015 Wellfield Monitoring Data - Bridgeton Landfill

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	System Pressure
		(% vol)				°F		scfm		H ₂ O		
GIW-10	12/1/2015 15:24	0.5	54.9	0.2	44.4	60.2		13	14	-2.2	-2.2	-2.8
GIW-10	12/10/2015 9:52	0.6	59.7	0.6	39.1	50.0	50.0			-7.9	-7.9	-10.9
GIW-10	12/10/2015 9:56	0.5	56.9	1.6	41.0	50.0	50.0	12		-7.7	-7.7	-11.0
GIW-10	12/15/2015 14:23	0.4	48.1	2.2	49.3	48.9		8	6	-10.1	-10.1	-11.9
GIW-10	12/15/2015 14:26	0.3	51.9	0.7	47.1	49.0		12	10	-8.7	-8.7	-12.1
GIW-10	12/23/2015 10:02	0.5	38.7	6.7	54.1	58.7		10	8	-9.7	-9.7	-10.3
GIW-10	12/23/2015 10:03	0.5	43.3	4.9	51.3	59.0		10	4	-10.9	-10.9	-10.3
GIW-10	12/31/2015 8:22	0.3	32.5	8.5	58.7	30.2		4	3	-11.2	-11.2	-14.6
GIW-10	12/31/2015 8:23	0.3	37.1	7.3	55.3	30.2		6	6	-13.6	-13.6	-14.7
GIW-11	12/1/2015 15:47	3.1	67.2	0.1	29.6	55.0	55.0	36	38	-0.4	-0.4	-3.0
GIW-11	12/9/2015 11:33	3.0	60.1	1.9	35.0	50.0	50.0	85	85	-1.8	-1.8	-7.6
GIW-11	12/9/2015 11:39	2.9	59.9	2.1	35.1	50.0	50.0	85	85	-1.8	-1.8	-7.8
GIW-11	12/14/2015 15:19	3.6	51.9	3.6	40.9	55.2				-3.3	-3.3	-11.6
GIW-11	12/23/2015 9:20	3.1	56.5	2.4	38.0	62.2				-2.9	-2.8	-10.7
GIW-11	12/29/2015 11:46	3.6	47.4	5.5	43.5	48.0				-4.4	-4.4	-15.5
GIW-11	12/29/2015 11:47	3.8	45.0	5.4	45.8	48.2				-4.5	-4.5	-15.6
GIW-12	12/1/2015 15:49	4.0	28.9	9.6	57.5	50.0	50.0	65	67	-1.2	-1.2	-2.6
GIW-12	12/9/2015 11:43	4.4	25.5	9.9	60.2	62.0	62.0	102	104	-2.4	-2.4	-7.7
GIW-12	12/9/2015 11:46	4.5	23.2	10.5	61.8	62.0	62.0	103	101	-2.4	-2.4	-7.7
GIW-12	12/14/2015 15:25	3.4	21.2	10.9	64.5	67.1				-3.7	-3.8	-11.6
GIW-12	12/14/2015 15:30	3.5	20.0	11.0	65.5	67.1				-3.7	-3.7	-11.7
GIW-12	12/23/2015 9:16	3.7	24.0	10.9	61.4	74.5				-3.5	-3.5	-10.8
GIW-12	12/23/2015 9:17	3.6	20.6	11.1	64.7	74.7				-3.5	-3.5	-10.5
GIW-12	12/29/2015 11:35	2.3	18.7	14.6	64.4	61.9				-6.2	-6.2	-15.1
GIW-12	12/29/2015 11:36	2.4	16.3	15.0	66.3	59.9				-3.2	-3.2	-15.3
GIW-13	12/1/2015 15:51	6.2	69.8	0.0	24.0	54.0	54.0	47	47	-0.6	-0.4	-0.3
GIW-13	12/9/2015 13:36	12.7	64.9	0.0	22.4	60.0	60.0	125	128	-4.3	-4.3	-4.0
GIW-13	12/9/2015 13:40	12.5	65.6	0.0	21.9	60.0	60.0	126	125	-4.2	-4.0	-4.1
GIW-13	12/14/2015 15:36	13.1	55.9	0.6	30.4	46.6				-7.4	-7.5	-7.3
GIW-13	12/23/2015 9:13	11.3	53.2	0.5	35.0	58.7				-6.5	-6.5	-6.4
GIW-13	12/29/2015 11:32	13.8	55.7	0.3	30.2	35.1				-10.8	-10.8	-11.0
LCS-5A	12/7/2015 14:17	56.3	43.6	0.0	0.1	70.0	70.0	192	185	-8.1	-8.0	-7.9
LCS-5A	12/15/2015 15:00	56.5	43.4	0.0	0.1	75.0	75.0	211	210	-9.9	-9.8	-9.7
LCS-5A	12/21/2015 15:39	57.6	42.3	0.0	0.1	90.0	90.0	203	202	-9.2	-9.2	-9.5
LCS-5A	12/30/2015 11:23	56.0	42.7	0.0	1.3	87.9				-6.7	-6.8	-7.0
LCS-6B	12/7/2015 10:55	52.6	41.7	0.7	5.0	40.0	40.0	23	52	-1.1	-1.2	-8.5
LCS-6B	12/14/2015 15:51	57.1	42.7	0.1	0.1	55.0	55.0	18	19	-2.5	-2.5	-10.1
LCS-6B	12/21/2015 11:44	50.9	41.9	0.6	6.6	73.0	73.0	40	11	-1.0	-1.0	-10.2
LCS-6B	12/29/2015 13:54	50.8	39.6	0.0	9.6	44.8		12	11	-1.7	-1.7	-7.9
PGW-60	12/4/2015 8:11	56.1	38.7	1.7	3.5	47.0	47.0	6	11	-10.2	-10.2	-10.0
PGW-60	12/4/2015 18:06	60.4	37.8	0.0	1.8	45.3		12	13	18.0	18.0	-11.1
PGW-60	12/4/2015 18:07	59.4	39.0	0.0	1.6	44.6		12	9	23.4	23.4	-11.1

December 2015 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	System Pressure
		(% vol)				°F		scfm		H ₂ O		
PGW-60	12/7/2015 10:14	57.0	42.9	0.0	0.1	35.0	35.0			34.3	35.4	-10.8
PGW-60	12/7/2015 10:15	57.1	42.8	0.0	0.1	35.0	35.0			23.7	23.5	-10.0
PGW-60	12/14/2015 13:31	59.5	40.4	0.0	0.1	35.0	35.0	18	17	-6.6	-6.7	-10.7
PGW-60	12/21/2015 11:12	56.8	38.7	0.9	3.6	60.0	60.0	5	9	-8.6	-8.6	-10.5
PGW-60	12/29/2015 10:18	60.7	32.9	2.1	4.3	34.9		19	19	-8.1	-8.1	-9.7
PGW-60	12/29/2015 10:20	55.7	35.6	1.9	6.8	35.4		14	12	-4.6	-4.6	-9.7
SEW-002	12/17/2015 15:34	0.5	27.1	9.0	63.4	38.0		11	13	-10.2	-10.3	-12.3
SEW-002	12/17/2015 15:36	0.5	37.1	7.3	55.1	38.0		8	8	-10.7	-10.7	-11.9
T-56	12/7/2015 11:37	45.1	35.7	0.0	19.2	40.0	40.0			-0.2	-0.2	-8.7

Wellfield Temperature - Bridgeton Landfill

Well Name	Maximum Initial Temperature From All Monthly Wellhead Readings (in °F)				Temp Trend ><30°F	Comments
	September 2015	October 2015	November 2015	December 2015		
GEW-001	--	--	--	--		
GEW-002	122.4	119.9	116.5	122.0		
GEW-003	118.3	119.4	117.3	111.9		
GEW-004	122.1	121.0	120.4	115.0		
GEW-005	100.2	97.3	97.9	93.4		
GEW-006	93.6	94.0	95.0	84.0		
GEW-007	102.4	99.2	96.9	90.5		
GEW-008	116.0	115.0	114.3	111.8		
GEW-009	126.3	126.3	125.4	124.5		
GEW-010	112.3	100.4	77.3	59.9		
GEW-011	--	--	51.5	--		
GEW-013A	--	--	--	--		
GEW-014A	--	--	--	--		
GEW-015	--	--	--	--		
GEW-016R	--	--	--	--		
GEW-018B	--	--	--	--		
GEW-018R	--	--	150.1	--		
GEW-019A	--	--	--	--		
GEW-020A	--	110.6	146.2	90.0		
GEW-021A	--	--	156.2	--		
GEW-022R	191.4	193.7	192.5	170.0		
GEW-023A	--	--	--	--		
GEW-024A	--	--	--	--		
GEW-025A	--	--	--	--		
GEW-026R	95.6	68.0	--	--		
GEW-027A	121.5	--	--	90.0		
GEW-028R	189.1	194.8	195.1	150.0		
GEW-029	--	--	--	--		
GEW-030R	--	--	--	--		
GEW-033R	--	--	--	--		
GEW-034	--	--	--	--		
GEW-034A	--	--	--	--		
GEW-035	--	--	--	--		
GEW-036	--	--	--	--		
GEW-037	--	--	--	--		
GEW-038	136.0	101.7	108.6	59.9		
GEW-039	134.0	136.0	136.6	136.0		
GEW-040	96.9	94.8	93.4	87.4		
GEW-041R	107.9	107.2	108.7	95.2		
GEW-042R	103.4	105.2	110.4	99.9		
GEW-043R	131.9	130.5	138.3	127.0		
GEW-044	98.7	90.3	95.6	80.0		
GEW-045R	97.1	92.9	92.1	75.0		
GEW-046R	101.5	100.0	100.1	81.2		

Wellfield Temperature - Bridgeton Landfill

Well Name	Maximum Initial Temperature From All Monthly Wellhead Readings (in °F)				Temp Trend ><30°F	Comments
	September 2015	October 2015	November 2015	December 2015		
GEW-047R	118.8	115.7	115.0	103.5		
GEW-048	107.4	107.0	105.8	101.3		
GEW-049	115.0	113.2	112.5	100.7		
GEW-050	109.7	108.6	109.7	101.5		
GEW-051	129.6	128.0	125.8	122.1		
GEW-052	118.1	115.0	114.7	109.0		
GEW-053	140.7	140.7	139.3	144.0		
GEW-054	143.6	150.9	144.0	147.7		
GEW-055	128.7	129.9	125.1	116.8		
GEW-056R	178.6	171.6	168.8	165.9		
GEW-057B	184.1	158.4	80.0	167.0		
GEW-057R	192.5	188.5	176.7	185.0		
GEW-058	188.5	187.9	185.7	172.0		
GEW-058A	182.0	181.9	164.0	188.0		
GEW-059R	186.8	186.3	186.8	142.0		
GEW-061B	96.8	92.8	55.3	44.0		
GEW-064A	--	--	--	--		
GEW-065A	195.4	194.2	191.3	192.0		
GEW-066	--	--	--	--		
GEW-067A	190.2	186.3	160.0	189.1		
GEW-068A	--	--	--	--		
GEW-069R	--	--	--	--		
GEW-070R	--	--	--	--		
GEW-071	--	--	--	--		
GEW-071B	--	--	--	--		
GEW-072RR	--	--	--	--		
GEW-073R	--	--	--	--		
GEW-075	--	--	--	--		
GEW-076R	--	--	--	--		
GEW-077	--	184.1	90.0	111.0		
GEW-078R	--	--	--	--		
GEW-080	--	90.7	40.0	50.0		
GEW-081	--	--	--	--		
GEW-082R	192.5	192.5	194.9	180.0		
GEW-083	--	--	--	--		
GEW-084	--	--	--	--		
GEW-085	--	--	--	--		
GEW-086	137.3	106.0	97.1	110.0		
GEW-087	--	--	--	--		
GEW-088	--	--	--	--		
GEW-089	101.5	93.6	80.0	55.0		
GEW-090	188.5	189.6	187.4	173.0		
GEW-091	--	--	--	--		
GEW-100	--	--	--	--		
GEW-101	--	--	--	--		

Wellfield Temperature - Bridgeton Landfill

Well Name	Maximum Initial Temperature From All Monthly Wellhead Readings (in °F)				Temp Trend ><30°F	Comments
	September 2015	October 2015	November 2015	December 2015		
GEW-102	82.3	85.6	148.8	188.0		
GEW-103	--	--	--	--		
GEW-104	110.9	97.3	81.5	55.0		
GEW-105	100.2	95.2	75.0	45.0		
GEW-106	--	--	--	--		
GEW-107	99.6	89.5	40.0	--		
GEW-108	--	--	--	--		
GEW-109	180.8	180.9	81.9	102.6		
GEW-110	136.0	120.2	133.0	95.6		
GEW-112	--	--	--	--		
GEW-113	--	--	--	--		
GEW-116	105.0	88.9	82.5	77.0		
GEW-117	139.0	82.4	115.5	70.0		
GEW-118	--	--	--	--		
GEW-120	176.7	177.7	186.8	171.2		
GEW-121	189.1	189.1	189.1	187.4		
GEW-122	184.6	183.5	184.6	193.7		
GEW-123	183.5	190.7	193.7	192.6		
GEW-124	162.3	166.4	163.2	111.6		
GEW-125	191.3	91.3	191.9	192.6		
GEW-126	180.8	193.3	191.3	184.6		
GEW-127	95.6	176.2	188.0	186.3		
GEW-128	181.4	182.4	183.5	182.2		
GEW-129	162.6	162.2	159.6	166.4		
GEW-130	--	--	--	--		
GEW-131	149.1	175.8	161.1	125.1		
GEW-132	180.3	177.7	182.5	181.4		
GEW-133	81.9	103.2	71.2	71.4		
GEW-134	179.3	173.6	176.2	168.3		
GEW-135	189.6	186.3	186.8	178.7		
GEW-136	158.3	134.7	184.6	136.6		
GEW-137	113.8	120.2	115.5	120.1		
GEW-138	191.3	162.7	164.5	157.0		
GEW-139	190.8	188.3	188.5	184.6		
GEW-140	185.7	184.6	185.7	183.0		
GEW-141	148.1	147.7	153.7	148.5		
GEW-142	185.4	159.6	115.2	104.2		
GEW-143	149.7	118.3	109.0	103.0		
GEW-144	102.2	109.0	98.3	71.9		
GEW-145	98.3	85.6	144.2	137.6		
GEW-146	103.4	99.0	89.7	77.3		
GEW-147	191.8	190.2	191.3	184.1		
GEW-148	89.7	172.3	71.4	136.3		
GEW-149	145.1	153.3	172.6	171.7		
GEW-150	181.9	172.7	182.4	136.3		

Wellfield Temperature - Bridgeton Landfill

Well Name	Maximum Initial Temperature From All Monthly Wellhead Readings (in °F)				Temp Trend ><30°F	Comments
	September 2015	October 2015	November 2015	December 2015		
GEW-151	196.0	93.6	189.2	171.2		
GEW-152	193.7	179.8	192.5	--		
GEW-153	131.4	136.2	130.5	46.2		
GEW-154	93.7	191.9	184.1	144.7		
GEW-155	146.2	120.4	122.6	108.6		
GEW-156	155.9	160.1	118.6	124.0		
GIW-01	189.6	188.5	189.1	189.6		
GIW-02	100.4	91.1	77.3	63.8		
GIW-03	96.7	89.6	74.8	63.5		
GIW-04	92.7	92.7	71.2	61.9		
GIW-05	97.9	88.7	61.8	59.3		
GIW-06	95.2	87.5	72.2	60.5		
GIW-07	95.0	89.5	69.5	59.6		
GIW-08	99.4	86.0	68.5	59.2		
GIW-09	98.4	88.3	78.6	66.8		
GIW-10	95.0	90.7	70.9	60.2		
GIW-11	101.3	93.2	74.9	62.2		
GIW-12	107.2	96.2	83.6	74.7		
GIW-13	144.4	87.8	71.7	60.0		
LCS-1D	--	--	--	--		
LCS-2D	--	--	--	--		
LCS-3C	--	--	--	--		
LCS-4B	--	--	--	--		
LCS-5A	94.8	94.6	94.7	90.0		
LCS-6B	99.7	88.8	79.8	73.0		
PGW-60	91.2	88.3	81.9	60.0		
SEW-002	--	78.0	54.3	38.0		
SEW-012A	--	--	--	--		
SEW-017R	--	--	--	--		
SEW-031R	--	--	--	--		
SEW-032R	--	--	--	--		
SEW-060R	--	--	--	--		
SEW-061R	--	--	--	--		
SEW-062R	--	--	--	--		
SEW-063	--	--	--	--		
SEW-064	--	--	--	--		
SEW-067	--	--	--	--		
SEW-072R	--	--	--	--		
SEW-074	--	--	--	--		
SEW-079R	--	--	--	--		
T-56	87.8	77.0	69.4	40.0		

-- = Indicates no data available.

Laboratory Analysis - Bridgeton Landfill

Well Name	Date Sampled	Methane	CO ₂	O ₂ /Argon	Nitrogen	Hydrogen	Carbon Monoxide	Comments
							(ppm)	
North Quarry								
GEW-002	8/13/2015	57	40	ND	ND	ND	ND	
GEW-002	9/10/2015	55	41	ND	ND	ND	ND	
GEW-002	10/12/2015	56	41	ND	ND	ND	ND	
GEW-002	11/13/2015	54	43	ND	ND	ND	ND	
GEW-002	12/14/2015	41	32	3.2	23	ND	35	See Note 3
GEW-002	12/31/2015	53	40	ND	5.7	0.1	ND	Resample
GEW-003	8/13/2015	53	38	1.6	8.1	0.1	ND	
GEW-003	9/10/2015	49	36	2.8	13	0.1	ND	See Note 1
GEW-003	10/12/2015	47	35	2.9	15	0.1	ND	See Note 1 and 3
GEW-003	11/10/2015	50	40	ND	8.7	0.1	ND	
GEW-003	12/14/2015	42	37	ND	20	ND	ND	
GEW-004	8/13/2015	53	39	ND	7.9	0.1	ND	
GEW-004	9/10/2015	53	40	ND	6.3	0.1	ND	
GEW-004	10/12/2015	54	40	ND	5.8	0.1	ND	
GEW-004	11/10/2015	49	40	ND	10	0.1	ND	
GEW-004	12/14/2015	45	37	ND	16	ND	ND	
GEW-005	8/13/2015	43	35	ND	21	ND	ND	
GEW-005	9/10/2015	52	38	ND	10	0.1	ND	
GEW-005	10/12/2015	47	35	1.7	16	ND	ND	See Note 3
GEW-005	11/10/2015	44	36	ND	19	0.03	ND	
GEW-005	12/15/2015	41	34	ND	23	ND	ND	
GEW-006	9/10/2015	55	38	ND	6.5	ND	ND	
GEW-006	11/10/2015	51	40	ND	8.1	ND	ND	
GEW-007	7/9/2015	54	38	ND	6	ND	ND	
GEW-007	9/11/2015	57	40	ND	ND	ND	ND	
GEW-007	11/11/2015	56	41	ND	ND	ND	ND	
GEW-008	7/9/2015	46	41	2.4	8.4	1.8	ND	
GEW-008	8/13/2015	51	44	ND	ND	1.5	ND	
GEW-008	9/11/2015	49	47	ND	ND	0.7	ND	
GEW-008	10/12/2015	50	46	ND	ND	1.3	ND	
GEW-008	11/11/2015	49	47	ND	ND	2.1	ND	
GEW-008	12/15/2015	42	42	1.8	8.6	1.4	ND	See Note 3
GEW-009	8/13/2015	53	41	ND	4.3	0.5	ND	
GEW-009	9/11/2015	51	40	1.5	7	0.8	ND	See Note 1
GEW-009	10/12/2015	52	41	ND	5.1	0.8	ND	
GEW-009	11/11/2015	46	39	2	12	0.4	ND	See Note 1 and 3
GEW-009	12/15/2015	39	40	ND	19	0.3	ND	
GEW-040	8/13/2015	57	38	ND	3.4	ND	ND	
GEW-040	9/8/2015	56	40	ND	ND	ND	ND	
GEW-040	10/12/2015	57	40	ND	ND	ND	ND	
GEW-040	11/10/2015	52	37	2.4	8.5	ND	ND	See Note 1 and 3
GEW-040	12/14/2015	54	38	1.9	6.6	ND	ND	See Note 3
GEW-041R	9/8/2015	56	40	ND	3.6	ND	ND	
GEW-041R	11/10/2015	47	37	1.6	15	ND	ND	See Note 3
GEW-042R	8/13/2015	57	39	ND	3.2	ND	ND	
GEW-042R	9/8/2015	55	41	ND	ND	ND	ND	
GEW-042R	10/12/2015	56	41	ND	ND	ND	ND	
GEW-042R	11/10/2015	42	35	5	18	ND	ND	See Note 1 and 3
GEW-042R	12/14/2015	49	40	2.3	8.3	ND	ND	See Note 3
GEW-043R	9/8/2015	54	41	ND	ND	0.2	ND	
GEW-043R	11/11/2015	53	44	ND	ND	ND	ND	
GEW-044	9/10/2015	55	38	ND	5.9	ND	ND	

Laboratory Analysis - Bridgeton Landfill

Well Name	Date Sampled	Methane	CO ₂	O ₂ /Argon	Nitrogen	Hydrogen	Carbon Monoxide	Comments
							(ppm)	
		%						
GEW-044	11/10/2015	47	37	ND	15	ND	ND	
GEW-045R	8/13/2015	57	37	ND	4.4	ND	ND	
GEW-045R	9/10/2015	58	39	ND	ND	ND	ND	
GEW-045R	10/12/2015	58	38	ND	ND	ND	ND	
GEW-045R	11/10/2015	58	39	ND	ND	ND	ND	
GEW-045R	12/14/2015	57	38	ND	3.9	ND	ND	
GEW-046R	8/13/2015	54	39	ND	5.9	0.1	ND	
GEW-046R	9/10/2015	53	40	ND	5	0.1	ND	
GEW-046R	10/12/2015	56	41	ND	ND	0.1	ND	
GEW-046R	11/10/2015	53	41	ND	4.7	0.1	ND	
GEW-046R	12/14/2015	47	39	ND	13	ND	ND	
GEW-047R	8/13/2015	41	35	ND	22	0.1	ND	
GEW-047R	9/10/2015	49	38	ND	12	0.1	ND	
GEW-047R	10/12/2015	47	37	ND	15	ND	ND	
GEW-047R	11/10/2015	41	37	ND	21	0.1	ND	
GEW-047R	12/14/2015	37	33	ND	29	ND	ND	
GEW-048	8/13/2015	54	38	ND	7.6	ND	ND	
GEW-048	9/10/2015	53	39	ND	7.5	ND	ND	
GEW-048	10/12/2015	55	39	ND	4.9	ND	ND	
GEW-048	11/10/2015	53	40	ND	5.7	ND	ND	
GEW-048	12/15/2015	49	38	ND	12	ND	ND	
GEW-049	8/13/2015	42	34	ND	23	ND	ND	
GEW-049	9/10/2015	50	35	2.9	12	0.1	ND	See Note 1
GEW-049	10/12/2015	54	39	ND	6.2	0.1	ND	
GEW-049	11/10/2015	46	37	ND	15	0.1	ND	
GEW-049	12/15/2015	46	37	ND	16	ND	ND	
GEW-050	9/10/2015	56	39	ND	4.4	0.1	ND	
GEW-050	11/10/2015	48	37	ND	13	ND	ND	
GEW-051	9/10/2015	54	41	ND	ND	1	ND	
GEW-051	11/10/2015	53	42	ND	3.3	1	ND	
GEW-052	9/10/2015	52	39	ND	8.1	0.1	ND	
GEW-052	11/11/2015	43	37	1.7	18	0.04	ND	See Note 1 and 3
GEW-053	8/13/2015	51	41	ND	ND	5.2	59	
GEW-053	9/11/2015	49	41	ND	ND	5.7	63	
GEW-053	10/12/2015	50	41	ND	ND	5.7	64	
GEW-053	11/11/2015	49	42	ND	3.3	4.8	55	
GEW-053	12/15/2015	49	41	ND	4.8	4.5	51	
GEW-054	8/13/2015	54	41	ND	ND	3	33	
GEW-054	9/11/2015	51	41	ND	ND	4.3	34	
GEW-054	10/28/2015	52	41	ND	3.5	2.2	ND	
GEW-054	11/11/2015	52	43	ND	ND	2.6	ND	
GEW-054	12/15/2015	50	42	ND	ND	5.1	39	
GEW-055	8/13/2015	54	41	ND	ND	1.5	ND	
GEW-055	9/10/2015	48	39	2.6	9.4	1.4	ND	
GEW-055	10/12/2015	50	40	2	7.3	1.4	30	See Note 3
GEW-055	11/11/2015	52	43	ND	3.2	1.2	ND	
GEW-055	12/15/2015	51	41	ND	5.8	1.8	ND	

Notes: (1) Based on the comparison of field to laboratory readings, oxygen to balance gas ratios, and historical concentrations, the sample was determined to be suspect due to oxygen introduction which likely occurred during sample collection or laboratory analytical methods. (2) MDNR also collected duplicate LFG samples at these locations during this sampling period. (3) Based on the oxygen verification readings taken with an Envision meter, it was determined there is a sample train leak. (4) Based on the oxygen verification readings taken with an Envision meter, it was determined that the readings are accurate. (5) Flare station gas concentration data is an average of FL-100, FL-120, and FL-140.

Laboratory Analysis - Bridgeton Landfill

Well Name	Date Sampled	Methane	CO ₂	O ₂ /Argon	Nitrogen	Hydrogen	Carbon Monoxide	Comments
South Quarry								
GEW-010	8/6/2015	49	36	2.9	11	0.2	ND	See Note 1
GEW-010	9/11/2015	40	39	4.3	16	0.6	78	
GEW-010	10/14/2015	42	44	2.9	11	0.6	79	See Note 4
GEW-010	11/11/2015	53	42	ND	3.9	0.6	50	
GEW-010	12/16/2015	54	40	ND	4.4	ND	35	
GEW-022R	9/21/2015	0.9	65	ND	ND	29	4,100	
GEW-022R	11/12/2015	0.8	65	ND	ND	30	4,800	
GEW-028R	11/13/2015	0.1	59	ND	4.9	34	3,600	
GEW-038	8/6/2015	0.2	47	4.5	16	31	3,100	
GEW-038	9/11/2015	0.3	46	5.4	19	28	3,000	
GEW-038	10/14/2015	0.3	45	5.6	20	28	3,000	See Note 4
GEW-038	11/11/2015	0.2	33	9.8	35	21	2,100	
GEW-038	12/16/2015	0.2	33	10	36	20	2,100	See Note 4
GEW-039	8/6/2015	40	52	ND	ND	4.2	200	
GEW-039	9/11/2015	39	52	ND	4.8	2.3	190	
GEW-039	10/14/2015	39	53	ND	3.9	2.4	170	
GEW-039	11/11/2015	39	55	ND	ND	2.7	170	
GEW-039	12/16/2015	37	54	ND	4.5	3.3	150	
GEW-056R	8/6/2015	2.2	52	ND	4.9	38	2,100	
GEW-056R	9/11/2015	0.6	56	ND	ND	39	2,400	
GEW-056R	10/14/2015	12	42	ND	23	22	1,300	
GEW-056R	11/11/2015	14	42	ND	24	18	1,100	
GEW-056R	12/16/2015	1.8	54	ND	5.8	37	2,000	
GEW-057R	9/18/2015	0.4	52	ND	5.4	38	2,400	
GEW-057R	11/11/2015	0.5	53	ND	3.8	40	2,800	
GEW-058	9/18/2015	0.3	46	4	14	33	2,400	
GEW-058	11/11/2015	3.5	48	3.6	14	30	2,100	See Note 3
GEW-058A	9/18/2015	5.1	55	ND	3.6	34	2,400	
GEW-058A	11/11/2015	0.4	49	3.3	12	35	2,500	
GEW-059R	9/18/2015	1.5	51	ND	ND	41	1,700	
GEW-059R	11/11/2015	0.8	51	ND	4.4	41	1,800	
GEW-065A	9/21/2015	0.4	57	ND	3.7	36	3,100	
GEW-065A	11/12/2015	0.4	58	ND	ND	37	3,200	
GEW-082R	9/21/2015	0.8	53	ND	3.7	40	2,200	
GEW-082R	11/12/2015	0.9	55	ND	ND	40	2,300	
GEW-086	9/18/2015	12	36	5.3	40	5.6	520	
GEW-086	11/12/2015	10	34	8.7	44	2.7	430	
GEW-090	9/18/2015	5	51	ND	ND	40	2,200	
GEW-090	11/12/2015	5.5	49	ND	3.6	40	2,200	
GEW-102	11/13/2015	2.1	59	ND	3.3	34	2,100	
GEW-104	11/13/2015	0.4	43	5.7	21	29	1,500	
GEW-109	8/6/2015	2.7	50	ND	11	33	2,200	
GEW-109	9/11/2015	4.8	49	2.5	14	28	2,000	See Note 1
GEW-109	10/14/2015	5.3	50	ND	12	30	2,000	
GEW-109	11/11/2015	5.6	60	ND	ND	31	2,400	
GEW-109	12/16/2015	3.6	42	5	24	25	1,500	See Note 3
GEW-110	8/6/2015	1.4	8.8	18	69	2.6	320	
GEW-110	9/11/2015	7.7	23	11	52	6.6	570	
GEW-110	10/15/2015	3.8	15	14	62	5.2	380	See Note 4
GEW-110	11/11/2015	7.8	43	4.1	23	22	1,400	
GEW-110	12/16/2015	6	33	8.7	39	13	990	See Note 4
GEW-116	11/12/2015	2.8	50	6.2	22	17	1,800	
GEW-117	9/18/2015	4	69	ND	ND	22	2,700	
GEW-117	11/12/2015	3.7	66	ND	4.8	22	2,600	
GEW-120	9/15/2015	11	65	ND	5.1	17	1,600	

Laboratory Analysis - Bridgeton Landfill

Well Name	Date Sampled	Methane	CO ₂	O ₂ /Argon	Nitrogen	Hydrogen	Carbon Monoxide	Comments
		(%)						
GEW-120	11/12/2015	7.6	68	ND	ND	21	2,100	
GEW-121	9/15/2015	2.2	53	2.7	9.5	31	2,800	
GEW-121	11/12/2015	2.3	46	5	18	28	2,200	See Note 3
GEW-122	9/15/2015	5.2	50	2.3	8.3	32	2,500	
GEW-122	11/12/2015	5.3	55	ND	ND	35	2,800	
GEW-123	9/15/2015	6.6	55	3.1	11	23	3,500	
GEW-123	11/12/2015	1.6	51	4.9	17	24	3,200	See Note 3
GEW-124	9/15/2015	8.3	56	2.7	9.8	22	2,000	
GEW-124	11/13/2015	7	61	ND	ND	28	2,100	
GEW-125	9/18/2015	1.7	57	ND	ND	36	3,200	
GEW-125	11/12/2015	0.5	59	ND	ND	36	3,600	
GEW-126	9/15/2015	5.5	54	ND	ND	36	3,700	
GEW-126	11/12/2015	8.2	54	ND	ND	33	3,300	
GEW-127	11/13/2015	0.4	62	ND	ND	33	4,100	
GEW-128	11/13/2015	0.7	61	ND	ND	34	3,800	
GEW-129	9/15/2015	1.8	58	ND	3.4	34	3,500	
GEW-129	11/13/2015	0.7	58	ND	3.3	36	3,400	
GEW-131	9/15/2015	20	44	2.4	8.8	23	1,500	
GEW-131	11/12/2015	20	47	ND	4.6	26	1,700	
GEW-132	11/12/2015	6.9	43	5.9	26	17	1,200	See Note 4
GEW-133	11/12/2015	0.4	53	3	11	32	3,800	
GEW-134	9/18/2015	17	57	ND	10	15	990	
GEW-134	11/12/2015	11	43	5.8	28	11	770	See Note 1 and 3
GEW-135	9/14/2015	3.8	51	2.7	9.8	31	1,900	
GEW-135	9/18/2015	4.7	56	ND	4.9	32	2,000	See Note 2
GEW-135	11/13/2015	4.8	47	4.2	15	28	1,500	See Note 3
GEW-137	11/12/2015	11	29	6.6	52	0.6	71	See Note 3
GEW-138	9/14/2015	11	49	1.7	21	16	1,400	
GEW-138	9/18/2015	11	43	2.4	31	11	960	See Note 2
GEW-138	11/12/2015	2.8	23	10	56	8	670	
GEW-139	9/14/2015	14	49	3.5	19	14	1,000	
GEW-139	9/15/2015	0.5	59	ND	4.1	34	4,600	See Note 2
GEW-139	11/13/2015	0.9	47	4	19	29	3,300	
GEW-141	9/15/2015	2	61	ND	ND	32	3,700	
GEW-141	11/13/2015	1.7	60	1.6	5.5	30	3,500	See Note 1 and 3
GEW-142	11/13/2015	0.2	51	4.1	15	29	3,500	
GEW-143	9/15/2015	0.3	46	2.5	9.1	41	3,500	
GEW-143	11/13/2015	0.2	49	3.3	12	35	3,200	
GEW-144	11/13/2015	0.8	56	1.9	6.6	33	3,500	
GEW-145	11/13/2015	1.7	52	2.9	10	32	2,700	See Note 3
GEW-146	11/12/2015	3.1	18	13	64	2	220	
GEW-147	9/15/2015	4.9	52	ND	3.6	37	2,200	
GEW-147	11/13/2015	5.1	51	ND	3.6	38	2,300	
GEW-149	11/12/2015	9.6	55	2.4	14	18	1,600	See Note 1
GEW-150	11/13/2015	9	60	2	7.9	20	1,600	
GEW-151	9/15/2015	5.7	50	3.4	14	26	1,800	
GEW-151	11/12/2015	11	56	ND	ND	28	2,200	
GEW-152	9/15/2015	5.9	51	ND	3.4	38	3,000	
GEW-152	11/13/2015	4.1	49	2.3	8.2	35	2,900	See Note 1 and 3
GEW-153	9/15/2015	20	38	ND	31	9.3	340	
GEW-153	11/13/2015	20	45	ND	19	15	580	
GEW-156	11/12/2015	4.6	37	9.1	40	9.4	1,100	

Laboratory Analysis - Bridgeton Landfill

Well Name	Date Sampled	Methane	CO ₂	O ₂ /Argon	Nitrogen	Hydrogen	Carbon Monoxide	Comments
		(%)						
GIW-01	8/6/2015	1.6	66	ND	ND	28	3,300	
GIW-01	9/11/2015	2.7	67	ND	ND	25	2,600	
GIW-01	10/14/2015	1.4	56	3.7	13	24	2,800	See Note 1 and 3
GIW-01	11/13/2015	2.6	66	ND	4.4	25	2,700	
GIW-01	12/9/2015	2.5	68	ND	ND	26	2,500	
GIW-02	8/6/2015	0.4	59	3.4	12	24	2,900	
GIW-02	9/11/2015	5.2	63	ND	3.1	27	2,500	
GIW-02	10/14/2015	7.8	63	ND	ND	25	2,300	
GIW-02	11/13/2015	4.7	22	12	55	5.8	370	See Note 1
GIW-02	12/10/2015	5.7	33	9	44	8.5	610	See Note 4
GIW-03	8/6/2015	0.3	50	4.5	16	28	2,900	
GIW-03	9/11/2015	0.4	60	ND	ND	36	3,400	
GIW-03	10/14/2015	0.3	41	7.5	27	24	2,300	See Note 4
GIW-03	11/13/2015	0.2	38	8.3	30	23	2,200	
GIW-03	12/10/2015	0.1	24	13	47	14	1,300	See Note 4
GIW-04	8/6/2015	0.7	54	ND	ND	42	2,800	
GIW-04	9/11/2015	0.6	43	4.2	15	36	2,100	
GIW-04	10/14/2015	0.5	43	4.4	16	36	2,200	See Note 4
GIW-04	11/13/2015	0.5	41	5	18	35	2,200	
GIW-04	12/10/2015	0.5	35	6.9	25	32	1,900	See Note 4
GIW-05	8/6/2015	2.5	58	ND	ND	35	2,200	
GIW-05	9/11/2015	2.4	48	4.4	16	28	1,900	
GIW-05	10/14/2015	1.9	32	10.0	37	18	1,100	See Note 4
GIW-05	11/13/2015	2.6	58	ND	ND	37	1,900	
GIW-05	12/09/2015	2.3	51	2.3	8.2	35	1,700	See Note 3
GIW-06	8/6/2015	0.8	61	ND	ND	34	2,100	
GIW-06	9/11/2015	0.9	59	ND	3.9	34	2,000	
GIW-06	10/14/2015	0.9	57	1.7	6.1	34	1,700	See Note 4
GIW-06	11/13/2015	0.9	56	1.8	6.2	34	1,700	
GIW-06	12/10/2015	1	56	1.8	6.3	34	1,600	See Note 4
GIW-07	8/6/2015	23	60	ND	3.7	12	1,200	
GIW-07	9/11/2015	25	56	2.5	8.8	7.5	730	
GIW-07	10/14/2015	31	54	1.7	5.8	7.1	700	See Note 4
GIW-07	11/13/2015	30	53	2.2	7.9	6.9	660	
GIW-07	12/10/2015	26	58	ND	4.5	9.6	870	
GIW-08	8/6/2015	18	48	6.9	25	2.4	590	
GIW-08	9/11/2015	13	45	3.6	37	1.1	300	
GIW-08	10/14/2015	19	62	2.8	12	5.0	740	See Note 4
GIW-08	11/13/2015	19	56	4	15	5.4	740	
GIW-08	12/09/2015	24	59	2	10	4.7	570	
GIW-08	12/10/2015	24	63	ND	4.9	6.7	860	See Note 2
GIW-09	8/6/2015	15	36	6.7	35	6.8	590	
GIW-09	9/11/2015	2.5	17	12	64	4.2	400	
GIW-09	10/14/2015	3	13	15	66	2.2	260	See Note 4
GIW-09	11/13/2015	3.9	13	16	64	2.4	220	
GIW-09	12/10/2015	5	21	14	55	5.4	340	See Note 4
GIW-10	8/6/2015	0.4	38	5.6	21	35	3,500	
GIW-10	9/11/2015	0.3	54	ND	ND	43	3,300	
GIW-10	10/14/2015	3.6	51	ND	ND	42	2,900	
GIW-10	11/13/2015	1.3	50	ND	4.5	42	3,200	
GIW-10	12/10/2015	0.4	42	5.1	18	34	2,500	See Note 1
GIW-11	8/6/2015	1.7	52	3.1	13	30	3,000	
GIW-11	9/11/2015	2.9	44	5.4	24	23	2,200	
GIW-11	10/14/2015	2.9	47	4.8	19	26	2,500	See Note 4
GIW-11	11/13/2015	3.2	48	4.2	17	27	2,500	

Laboratory Analysis - Bridgeton Landfill

Well Name	Date Sampled	Methane	CO ₂	O ₂ /Argon	Nitrogen	Hydrogen	Carbon Monoxide	Comments
		(%)						
GIW-11	12/09/2015	2.4	53	2.7	12	29	2,500	See Note 4
GIW-12	8/6/2015	6.7	24	8.9	54	5.3	470	
GIW-12	9/11/2015	7.1	23	9.4	55	5.2	440	
GIW-12	10/14/2015	5.2	20	11	57	5.9	510	See Note 4
GIW-12	11/13/2015	4.3	21	12	56	6.5	530	
GIW-12	12/09/2015	4.2	24	10	55	6.5	470	See Note 4
GIW-13	8/6/2015	2.9	62	ND	ND	31	2,800	
GIW-13	9/11/2015	10	62	ND	5.6	20	1,600	
GIW-13	10/14/2015	8.5	57	ND	7	25	2,000	
GIW-13	11/13/2015	4.3	63	ND	3.2	28	2,500	
GIW-13	12/09/2015	10	58	ND	5.7	25	1,700	
Flare Station ²	8/11/2015	9.5	32	9.1	38	10	1,500	
Flare Station ²	9/1/2015	7.9	29.7	10.3	41.7	9.2	870	See Note 5
Flare Station ²	10/6/2015	9.4	33.3	9.0	37.0	9.9	933	See Note 5
Flare Station ²	11/3/2015	10.7	37.3	8.0	32.0	10.7	1,100	See Note 5
Flare Station ²	1/5/2016	11.2	37.6	7.7	32.1	10.7	1,000	

Notes: (1) Based on the comparison of field to laboratory readings, oxygen to balance gas ratios, and historical concentrations, the sample was determined to be suspect due to oxygen introduction which likely occurred during sample collection or laboratory analytical methods. (2) MDNR also collected duplicate LFG samples at these locations during this sampling period. (3) Based on the oxygen verification readings taken with an Envirovision meter, it was determined there is a sample train leak. (4) Based on the oxygen verification readings taken with an Envirovision meter, it was determined that the readings are accurate. (5) Flare station gas concentration data is an average of FL-100, FL-120, and FL-140.

ND = Analyte not detected in sample.

² = Flare Station Inlet measured at EPA Method 2 flow port (blower outlet)