

January 2016 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	1/6/2016 14:22	54.7	38.2	0.0	7.1	119.6		27	27	-0.6	-0.6	-11.3
GEW-002	1/14/2016 9:43	54.9	42.6	0.0	2.5	124.9		20	13	0.2	0.2	-11.3
GEW-002	1/14/2016 9:47	56.1	41.3	0.0	2.6	124.9		23	19	0.1	0.1	-11.0
GEW-002	1/21/2016 13:21	57.4	38.3	0.0	4.3	118.6		18	20	-0.5	-0.5	-7.5
GEW-002	1/28/2016 9:16	54.7	40.8	0.0	4.5	121.8		23	21	-0.8	-0.8	-10.8
GEW-002	1/28/2016 9:17	54.4	41.7	0.0	3.9	121.2		20	14	-0.6	-0.6	-11.6
GEW-003	1/6/2016 14:24	53.0	38.7	0.0	8.3	109.5		0	0	0.3	0.3	-11.0
GEW-003	1/6/2016 14:25	52.4	39.6	0.0	8.0	112.8		15	12	0.2	0.2	-10.7
GEW-003	1/14/2016 9:53	52.0	39.9	0.0	8.1	113.0		24	24	-0.6	-0.6	-10.5
GEW-003	1/14/2016 9:56	52.3	36.4	0.0	11.3	113.3		15	15	-0.6	-0.6	-10.5
GEW-003	1/21/2016 13:24	54.2	35.3	0.0	10.5	110.9		34	34	0.0	0.0	-8.6
GEW-003	1/28/2016 9:20	50.7	38.7	0.0	10.6	110.9		17	14	-0.7	-0.7	-10.8
GEW-003	1/28/2016 9:22	50.8	38.6	0.0	10.6	108.1		0	0	-0.5	-0.5	-11.1
GEW-004	1/6/2016 14:27	52.6	40.0	0.0	7.4	106.0		8	11	0.3	0.3	-10.8
GEW-004	1/6/2016 14:28	54.9	40.6	0.0	4.5	109.5		16	16	0.2	0.2	-11.0
GEW-004	1/14/2016 10:01	53.1	39.9	0.0	7.0	117.8		15	13	-0.5	-0.5	-10.7
GEW-004	1/14/2016 10:04	53.2	38.8	0.0	8.0	117.6		25	25	-0.5	-0.5	-10.7
GEW-004	1/21/2016 13:28	53.0	38.5	0.0	8.5	115.7		15	12	0.0	0.0	-8.4
GEW-004	1/28/2016 9:25	51.6	38.6	0.0	9.8	117.5		17	19	-0.6	-0.6	-11.4
GEW-004	1/28/2016 9:27	51.3	39.6	0.0	9.1	114.5		25	25	-0.4	-0.4	-11.6
GEW-005	1/6/2016 14:35	45.3	38.0	0.0	16.7	95.4		31	27	-0.1	0.0	-10.2
GEW-005	1/14/2016 10:29	42.9	35.1	0.0	22.0	95.2		23	20	-0.4	-0.4	-10.5
GEW-005	1/14/2016 10:33	43.0	32.5	0.0	24.5	92.3		29	30	-0.2	-0.2	-11.0
GEW-005	1/21/2016 13:48	50.9	38.0	0.0	11.1	77.4		0	0	0.6	0.6	-8.0
GEW-005	1/21/2016 13:49	51.0	37.9	0.0	11.1	92.5		30	29	0.4	0.4	-7.5
GEW-005	1/28/2016 10:04	41.2	34.4	0.0	24.4	95.6		23	24	-0.4	-0.4	-11.3
GEW-005	1/28/2016 10:05	41.2	34.9	0.0	23.9	93.4		0	0	-0.2	-0.2	-11.9
GEW-006	1/6/2016 14:39	52.3	38.6	0.0	9.1	88.7		22	16	-0.2	-0.1	-10.2
GEW-006	1/14/2016 10:51	52.2	37.1	0.0	10.7	89.5		13	11	-0.3	-0.3	-10.5
GEW-006	1/14/2016 10:55	52.0	34.7	0.0	13.3	89.7		13	13	-0.3	-0.3	-10.7
GEW-006	1/21/2016 14:25	53.2	37.3	0.0	9.5	87.8		14	14	0.0	0.0	-8.2
GEW-006	1/28/2016 10:10	51.1	37.0	0.0	11.9	89.9		20	20	-0.4	-0.4	-10.7
GEW-006	1/28/2016 10:11	51.1	37.4	0.0	11.5	89.2		15	15	-0.3	-0.3	-12.4
GEW-007	1/6/2016 14:46	54.8	38.4	0.0	6.8	94.6		11	13	-2.2	-2.2	-10.3
GEW-007	1/14/2016 11:14	57.2	41.0	0.0	1.8	95.9		7	6	-2.6	-2.6	-11.0
GEW-007	1/14/2016 11:18	57.4	36.7	0.0	5.9	96.4		28	28	-2.6	-2.6	-11.0
GEW-007	1/22/2016 8:51	57.9	39.5	0.0	2.6	91.5		10	10	-3.6	-3.6	-12.4
GEW-007	1/27/2016 10:07	57.4	38.0	0.0	4.6	93.4		10	10	-3.1	-3.1	-11.3
GEW-007	1/27/2016 10:11	57.7	40.1	0.0	2.2	93.6		12	13	-3.1	-3.1	-11.0
GEW-008	1/6/2016 15:08	51.1	43.5	0.0	5.4	112.5		20	20	-0.9	-0.9	-10.5
GEW-008	1/15/2016 9:06	52.7	43.8	0.0	3.5	112.5		23	24	-1.4	-1.4	-11.7
GEW-008	1/22/2016 8:45	51.2	44.8	0.0	4.0	111.8		26	26	-1.5	-1.5	-12.0

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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-008	1/27/2016 10:06	50.4	44.4	0.0	5.2	112.2		20	22	-0.9	-0.9	-11.2
GEW-008	1/27/2016 10:13	51.4	44.6	0.2	3.8	111.6		16	21	-0.8	-0.8	-10.9
GEW-009	1/6/2016 15:05	49.3	41.3	0.0	9.4	122.1		0	0	-0.2	-0.2	-16.3
GEW-009	1/15/2016 8:59	52.4	40.4	0.0	7.2	122.3		13	13	-0.4	-0.4	-17.1
GEW-009	1/22/2016 8:48	51.0	41.6	0.0	7.4	119.6		14	8	-0.3	-0.3	-16.2
GEW-009	1/27/2016 9:58	53.2	40.9	0.0	5.9	121.0		0	11	-0.1	-0.2	-10.3
GEW-009	1/27/2016 10:02	52.7	39.0	0.0	8.3	121.2		0	0	-0.1	-0.1	-12.7
GEW-010	1/5/2016 14:13	56.7	40.0	0.3	3.0	61.9				-2.8	-2.8	-16.4
GEW-010	1/5/2016 14:14	56.8	39.2	0.2	3.8	63.3		2	3	-4.5	-4.5	-16.1
GEW-010	1/11/2016 14:20	48.5	46.4	0.5	4.6	52.6		4	5	-8.2	-8.3	-17.0
GEW-010	1/21/2016 10:24	34.4	51.3	0.0	14.3	28.3		43	43	-0.2	-0.2	-16.2
GEW-010	1/26/2016 8:52	54.6	42.7	0.2	2.5	35.0		3	3	-4.9	-4.8	-13.6
GEW-010	1/26/2016 9:00	55.2	42.2	0.3	2.3	35.3		4	3	-4.9	-4.9	-13.2
GEW-022R	1/26/2016 13:52	1.5	66.7	0.4	31.4	192.6				1.5	0.1	1.3
GEW-022R	1/26/2016 13:53	1.1	66.6	0.2	32.1	192.8				1.5	0.3	2.2
GEW-028R	1/26/2016 14:03	0.0	62.3	0.8	36.9	178.2				-14.7	-14.7	-14.7
GEW-028R	1/26/2016 14:08	0.0	51.9	2.6	45.5	178.2				-14.2	-14.7	-14.7
GEW-038	1/5/2016 13:53	0.4	48.0	4.0	47.6	50.8		10	3	0.0	-0.1	-16.1
GEW-038	1/5/2016 13:55	0.4	50.6	3.1	45.9	50.9		3	1	-0.1	0.0	-15.8
GEW-038	1/11/2016 14:19	0.3	46.3	5.8	47.6	42.7		11	2	-0.5	-0.6	-17.4
GEW-038	1/11/2016 14:19	0.3	46.4	6.0	47.3	42.7		9	3	-0.6	-0.6	-17.1
GEW-038	1/21/2016 10:11	0.7	28.9	8.5	61.9	26.8		4	7	-0.4	-0.6	-15.5
GEW-038	1/21/2016 10:12	0.3	43.4	6.8	49.5	27.2		9	9	-0.2	-0.3	-16.0
GEW-038	1/26/2016 8:36	0.4	54.9	2.1	42.6	32.4		11	12	-0.1	-0.1	-12.8
GEW-038	1/26/2016 8:40	0.2	54.9	2.1	42.8	32.1		6	5	-0.1	-0.1	-13.1
GEW-039	1/5/2016 13:58	34.1	52.5	0.1	13.3	133.3				-1.6	-1.6	-16.6
GEW-039	1/5/2016 13:59	36.4	48.9	0.0	14.7	133.3				-1.6	-1.6	-16.1
GEW-039	1/11/2016 14:24	34.2	53.2	0.2	12.4	134.0				-1.6	-1.6	-18.2
GEW-039	1/11/2016 14:24	37.2	50.9	0.2	11.7	134.1				-1.5	-1.5	-18.0
GEW-039	1/21/2016 10:15	32.9	59.6	0.2	7.3	67.8				0.6	0.6	-0.5
GEW-039	1/21/2016 10:16	42.3	55.0	0.0	2.7	73.8				0.6	0.6	-0.6
GEW-039	1/26/2016 8:58	44.4	51.8	0.2	3.6	120.4				0.1	0.1	-22.9
GEW-039	1/26/2016 9:03	43.8	51.8	0.0	4.4	120.2				-0.1	-0.1	-23.3
GEW-040	1/6/2016 13:38	62.0	36.9	0.0	1.1	82.9		41	41	0.3	0.3	-11.1
GEW-040	1/6/2016 13:39	59.8	39.2	0.0	1.0	85.7		11	10	-0.1	-0.1	-11.3
GEW-040	1/12/2016 7:56	61.4	36.5	0.1	2.0	81.1		0	0	-0.5	-0.5	-11.7
GEW-040	1/14/2016 7:52	58.7	40.3	0.0	1.0	84.0		12	15	0.0	0.0	-11.0
GEW-040	1/14/2016 7:57	59.6	38.7	0.0	1.7	84.5		18	19	0.0	0.0	-10.9
GEW-040	1/20/2016 11:25	59.0	40.1	0.1	0.8	86.9		0	0	-0.2	-0.2	-12.7
GEW-040	1/28/2016 8:54	58.3	40.7	0.1	0.9	84.9		36	37	-0.2	-0.2	-11.3
GEW-041R	1/6/2016 13:57	57.9	35.7	0.0	6.4	99.9		0	12	0.2	0.2	-11.1
GEW-041R	1/6/2016 13:58	58.7	39.6	0.0	1.7	102.1		14	8	0.1	0.1	-11.1

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		(% vol)				°F		scfm		H ₂ O		
GEW-041R	1/14/2016 8:04	57.7	40.7	0.0	1.6	103.2		0	5	0.0	0.0	-10.7
GEW-041R	1/14/2016 8:09	58.3	39.8	0.0	1.9	103.0		16	20	0.0	0.0	-10.8
GEW-041R	1/20/2016 11:28	53.5	41.2	0.0	5.3	44.9		0	0	0.7	0.7	1.2
GEW-041R	1/20/2016 11:28	52.1	42.7	0.0	5.2	47.0		0	0	0.7	0.7	1.0
GEW-041R	1/28/2016 8:55	58.8	40.4	0.1	0.7	102.6		34	34	-0.1	-0.1	-10.8
GEW-042R	1/6/2016 14:00	55.4	40.2	0.0	4.4	111.6		27	29	-1.1	-1.0	-3.9
GEW-042R	1/14/2016 8:14	56.4	42.5	0.0	1.1	109.5		9	7	-0.7	-0.8	-3.5
GEW-042R	1/14/2016 8:18	57.2	41.3	0.0	1.5	110.1		12	15	-0.7	-0.7	-3.2
GEW-042R	1/20/2016 11:31	55.7	41.6	0.0	2.7	103.8		15	7	-0.8	-0.8	-5.6
GEW-042R	1/28/2016 9:01	58.1	38.9	0.0	3.0	94.6		11	8	-0.7	-0.8	-2.9
GEW-043R	1/6/2016 14:04	56.4	41.3	0.0	2.3	126.3		54	54	-0.9	-0.9	-10.3
GEW-043R	1/14/2016 8:48	56.2	41.9	0.0	1.9	126.5		27	27	-0.4	-0.4	-10.8
GEW-043R	1/14/2016 8:53	56.4	42.0	0.0	1.6	128.1		22	15	-0.3	-0.3	-11.1
GEW-043R	1/20/2016 11:35	55.5	41.3	0.0	3.2	128.7		16	22	0.3	0.3	-12.0
GEW-043R	1/20/2016 11:36	56.1	41.9	0.0	2.0	129.3		25	25	0.1	0.1	-12.5
GEW-043R	1/28/2016 9:02	58.1	37.6	0.0	4.3	130.8		22	30	-0.4	-0.4	-10.8
GEW-043R	1/28/2016 9:03	56.7	41.2	0.0	2.1	129.9		24	28	-0.1	-0.1	-11.1
GEW-044	1/6/2016 14:07	55.5	40.8	0.0	3.7	72.0		33	34	-1.2	-1.3	-10.8
GEW-044	1/14/2016 9:03	56.5	41.1	0.0	2.4	72.9		13	13	-0.8	-0.8	-6.2
GEW-044	1/14/2016 9:07	57.5	38.8	0.0	3.7	73.1		34	32	-0.7	-0.7	-4.0
GEW-044	1/20/2016 11:39	55.8	40.4	0.0	3.8	71.3		0	0	-0.4	-0.4	-6.8
GEW-044	1/28/2016 9:07	56.3	39.9	0.0	3.8	72.2		3	3	-0.2	-0.2	-4.7
GEW-045R	1/6/2016 14:09	56.5	41.4	0.0	2.1	79.7		16	10	-0.2	-0.1	-11.0
GEW-045R	1/14/2016 9:12	56.0	42.6	0.0	1.4	82.8		13	5	-0.1	-0.1	-10.8
GEW-045R	1/14/2016 9:17	56.6	42.2	0.0	1.2	83.2		5	11	-0.2	-0.2	-10.8
GEW-045R	1/20/2016 11:42	56.4	40.8	0.0	2.8	77.3		10	10	-0.1	-0.1	-12.2
GEW-045R	1/28/2016 9:10	56.9	40.2	0.0	2.9	82.0		7	5	0.4	0.4	-11.1
GEW-045R	1/28/2016 9:12	56.7	41.8	0.0	1.5	83.2		7	6	-0.3	-0.3	-10.9
GEW-046R	1/6/2016 14:11	54.2	41.5	0.0	4.3	88.4		12	10	0.2	0.2	-11.1
GEW-046R	1/6/2016 14:12	54.0	41.4	0.0	4.6	91.7		26	26	0.1	0.1	-11.1
GEW-046R	1/14/2016 9:22	53.8	41.4	0.0	4.8	92.9		0	0	-0.2	-0.3	-11.0
GEW-046R	1/14/2016 9:40	55.0	39.4	0.0	5.6	93.2		17	17	-0.2	-0.2	-11.1
GEW-046R	1/20/2016 11:45	53.0	41.7	0.0	5.3	91.1		0	9	-0.2	-0.2	-12.3
GEW-046R	1/28/2016 9:11	54.0	40.3	0.0	5.7	91.3		10	10	-0.2	-0.2	-11.4
GEW-047R	1/6/2016 14:33	47.1	38.4	0.0	14.5	109.0		0	0	0.0	-0.1	-10.5
GEW-047R	1/14/2016 10:21	40.4	35.2	0.1	24.3	110.2		17	16	-0.4	-0.4	-10.2
GEW-047R	1/14/2016 10:26	41.2	34.2	0.2	24.4	105.6		37	38	-0.2	-0.2	-10.8
GEW-047R	1/21/2016 13:42	56.5	38.3	0.0	5.2	63.7		0	0	0.5	0.5	-8.0
GEW-047R	1/21/2016 13:44	55.4	40.5	0.0	4.1	94.4		28	28	0.3	0.3	-7.4
GEW-047R	1/28/2016 10:01	44.7	34.9	0.3	20.1	110.4		0	0	-0.4	-0.4	-11.4
GEW-047R	1/28/2016 10:02	44.7	36.0	0.2	19.1	106.7		0	0	-0.3	-0.3	-11.7
GEW-048	1/6/2016 14:37	52.3	37.9	0.0	9.8	103.6		30	30	-0.2	-0.2	-10.5

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		(% vol)				°F		scfm		H ₂ O		
GEW-048	1/14/2016 10:45	53.5	38.4	0.0	8.1	103.6		16	12	-0.3	-0.3	-9.5
GEW-048	1/14/2016 10:49	52.8	36.4	0.0	10.8	103.6		17	16	-0.2	-0.3	-6.0
GEW-048	1/21/2016 14:13	54.3	38.5	0.0	7.2	99.8		17	11	0.2	0.2	-5.4
GEW-048	1/21/2016 14:16	53.9	38.7	0.0	7.4	102.1		19	22	-0.1	-0.1	-5.8
GEW-048	1/28/2016 10:06	51.6	32.9	0.1	15.4	103.2		31	30	-0.8	-0.9	-11.0
GEW-048	1/28/2016 10:07	51.2	37.8	0.0	11.0	102.6		0	0	-0.5	-0.5	-8.6
GEW-049	1/6/2016 14:50	49.0	37.4	0.1	13.5	109.9		34	34	-1.4	-1.4	-5.9
GEW-049	1/6/2016 14:51	48.5	37.4	0.0	14.1	109.8		20	22	-1.0	-1.0	-4.5
GEW-049	1/15/2016 8:45	53.2	34.8	0.0	12.0	109.2		15	15	-0.7	-0.8	-6.2
GEW-049	1/21/2016 14:44	56.7	36.8	0.0	6.5	106.7		35	39	-0.1	-0.1	-4.6
GEW-049	1/27/2016 9:28	46.7	35.3	0.1	17.9	107.4		0	0	-0.5	-0.5	-3.6
GEW-049	1/27/2016 9:32	46.1	33.5	0.0	20.4	104.5		0	0	-0.3	-0.3	-4.8
GEW-049	1/28/2016 10:08	50.4	35.4	0.0	14.2	108.1		12	13	-0.1	-0.1	-6.2
GEW-050	1/6/2016 14:41	52.4	38.2	0.0	9.4	106.1		36	35	-0.1	0.0	-5.9
GEW-050	1/14/2016 11:00	54.0	37.4	0.0	8.6	106.3		33	33	-0.2	-0.2	-5.0
GEW-050	1/14/2016 11:03	53.4	35.7	0.0	10.9	106.3		34	34	-0.2	-0.2	-4.3
GEW-050	1/21/2016 14:30	54.7	37.7	0.0	7.6	103.2		34	0	0.0	-0.1	-4.0
GEW-050	1/28/2016 10:10	51.0	36.8	0.0	12.2	106.3		15	20	-0.3	-0.3	-8.0
GEW-051	1/6/2016 14:53	53.7	39.6	0.0	6.7	125.1		21	20	-0.3	-0.3	-10.2
GEW-051	1/15/2016 8:47	58.7	40.6	0.0	0.7	125.1		14	14	-0.6	-0.6	-11.4
GEW-051	1/21/2016 14:48	55.0	40.1	0.0	4.9	120.4		0	0	0.5	0.6	-10.3
GEW-051	1/21/2016 14:49	54.9	40.7	0.0	4.4	122.9		0	0	0.4	0.4	-10.5
GEW-051	1/27/2016 9:30	56.0	40.6	0.0	3.4	122.5		11	9	-0.4	-0.4	-10.0
GEW-051	1/27/2016 9:38	57.2	39.5	0.1	3.2	123.0		8	18	-0.3	-0.3	-10.7
GEW-052	1/6/2016 14:44	47.7	36.8	0.0	15.5	111.8		33	33	0.0	0.0	-10.3
GEW-052	1/14/2016 11:07	45.4	36.2	0.0	18.4	112.6		33	33	-0.1	-0.1	-11.1
GEW-052	1/14/2016 11:11	46.0	33.5	0.0	20.5	112.3		13	13	0.0	0.0	-11.0
GEW-052	1/21/2016 14:37	49.9	35.9	0.0	14.2	109.3		34	34	-0.1	-0.1	-10.1
GEW-053	1/6/2016 14:55	50.1	40.0	0.0	9.9	137.6		19	19	-0.3	-0.3	-10.3
GEW-053	1/6/2016 14:56	50.7	40.9	0.0	8.4	138.0		18	16	-0.3	-0.3	-10.6
GEW-053	1/15/2016 8:50	54.1	40.1	0.0	5.8	137.9		20	16	-0.8	-0.8	-11.7
GEW-053	1/15/2016 8:51	53.5	42.0	0.0	4.5	138.3		15	14	-0.8	-0.8	-11.6
GEW-053	1/21/2016 15:09	51.7	40.7	0.0	7.6	136.6		21	16	0.0	0.0	-10.8
GEW-053	1/21/2016 15:10	51.5	41.3	0.0	7.2	136.9		13	19	0.0	0.0	-10.9
GEW-053	1/27/2016 9:37	51.4	40.8	0.0	7.8	137.3		16	18	-0.7	-0.6	-11.0
GEW-053	1/27/2016 9:40	51.0	38.0	0.0	11.0	137.3		15	19	-0.7	-0.7	-10.8
GEW-054	1/6/2016 15:00	52.5	39.3	0.0	8.2	147.6		35	36	-1.0	-1.0	-10.7
GEW-054	1/6/2016 15:00	52.7	40.8	0.0	6.5	147.6		33	27	-1.0	-1.0	-10.7
GEW-054	1/15/2016 8:54	53.0	41.4	0.0	5.6	150.5		32	35	-1.2	-1.2	-12.2
GEW-054	1/15/2016 8:54	53.3	43.4	0.0	3.3	150.5		34	35	-1.1	-1.2	-12.4
GEW-054	1/21/2016 15:15	52.8	36.9	0.0	10.3	154.7		32	37	-0.6	-0.5	-10.5
GEW-054	1/21/2016 15:17	51.5	43.4	0.0	5.1	154.9		47	41	-0.8	-0.9	-9.4

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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	1/27/2016 9:49	52.9	41.7	0.0	5.4	145.1		41	41	-2.7	-2.8	-10.2
GEW-054	1/27/2016 9:56	54.5	40.6	0.2	4.7	143.9		0	0	-1.3	-1.3	-10.9
GEW-055	1/6/2016 15:02	51.1	41.8	0.0	7.1	120.2		11	13	-0.1	-0.1	-10.5
GEW-055	1/15/2016 8:57	55.4	42.7	0.0	1.9	121.2		0	0	-0.4	-0.5	-11.9
GEW-055	1/21/2016 15:19	53.4	42.4	0.0	4.2	118.8		8	7	0.2	0.2	-11.0
GEW-055	1/21/2016 15:20	53.7	42.1	0.0	4.2	121.2		31	31	0.0	0.0	-11.2
GEW-055	1/27/2016 9:47	54.6	42.1	0.0	3.3	122.1		10	11	-0.7	-0.6	-10.9
GEW-055	1/27/2016 9:51	55.0	41.8	0.0	3.2	122.8		0	0	-0.7	-0.7	-11.2
GEW-056R	1/5/2016 14:07	11.0	34.7	0.3	54.0	165.1				-6.0	-6.0	-8.7
GEW-056R	1/5/2016 14:08	11.1	36.6	0.3	52.0	165.5				-6.1	-6.0	-10.3
GEW-056R	1/11/2016 14:16	12.8	33.9	0.5	52.8	164.6				-6.8	-7.3	-13.9
GEW-056R	1/11/2016 14:16	12.6	36.0	0.5	50.9	164.6				-6.8	-7.0	-12.7
GEW-056R	1/21/2016 10:20	14.1	47.2	0.0	38.7	161.8				-6.7	-6.7	-12.0
GEW-056R	1/21/2016 10:21	16.4	43.3	0.0	40.3	162.1				-6.8	-6.8	-15.5
GEW-056R	1/26/2016 8:38	17.3	39.7	0.0	43.0	161.0				-5.1	-5.3	-10.2
GEW-056R	1/26/2016 8:47	17.7	40.3	0.1	41.9	161.4				-5.2	-5.4	-10.0
GEW-057B	1/28/2016 10:35	1.8	49.2	1.8	47.2	100.8				-7.8	-7.4	-8.0
GEW-057R	1/14/2016 14:03	0.6	56.4	1.0	42.0	161.8				-8.2	-8.2	-8.1
GEW-057R	1/14/2016 14:06	0.6	56.5	0.6	42.3	162.3				-7.8	-7.3	-7.6
GEW-058	1/14/2016 13:53	4.4	56.5	0.7	38.4	184.6				-10.7	-10.3	-10.8
GEW-058	1/14/2016 13:57	4.1	54.5	0.8	40.6	184.4				-10.3	-9.8	-10.7
GEW-058A	1/14/2016 13:47	0.6	52.0	1.3	46.1	165.9				-5.9	-6.2	-8.9
GEW-058A	1/14/2016 13:51	0.3	54.4	1.3	44.0	167.8				-5.8	-6.2	-10.5
GEW-059R	1/14/2016 14:13	1.1	57.7	0.0	41.2	186.1				-9.7	-9.7	-0.1
GEW-059R	1/14/2016 14:18	0.8	59.6	0.0	39.6	186.3				-9.3	-9.2	0.2
GEW-065A	1/14/2016 14:23	0.6	63.9	0.0	35.5	180.3				-11.1	-9.8	-10.5
GEW-065A	1/14/2016 14:27	0.4	59.1	0.2	40.3	180.8				-10.2	-11.2	-10.5
GEW-066	1/14/2016 16:17	0.0	1.3	20.5	78.2	70.2				-13.7	-13.8	-0.1
GEW-067A	1/28/2016 10:50	7.8	32.8	7.4	52.0	165.0				-0.7	-0.9	-7.0
GEW-067A	1/28/2016 10:51	7.6	35.8	7.6	49.0	158.1				-1.1	-1.4	-9.2
GEW-077	1/27/2016 11:16	0.2	56.9	3.2	39.7	65.9				-12.0	-11.8	-12.4
GEW-080	1/27/2016 11:19	0.2	35.4	14.8	49.6	49.6				-12.3	-12.7	-12.7
GEW-080	1/27/2016 11:19	0.0	20.2	15.0	64.8	51.5				-13.0	-13.3	-13.3
GEW-082R	1/14/2016 14:43	1.4	62.3	0.0	36.3	196.6				-12.7	-13.1	-15.8
GEW-082R	1/14/2016 14:47	1.8	59.3	0.0	38.9	196.6				-13.1	-12.9	-15.1
GEW-086	1/27/2016 10:52	18.5	37.5	5.2	38.8	86.8				-2.3	-2.3	-10.3
GEW-086	1/27/2016 10:52	17.0	40.1	5.2	37.7	87.0				-2.4	-2.5	-11.2
GEW-089	1/28/2016 10:41	8.0	35.0	10.6	46.4	82.6				-0.9	-0.9	-10.4
GEW-089	1/28/2016 10:42	8.8	33.8	10.3	47.1	86.1				-1.0	-1.0	-10.4
GEW-090	1/26/2016 15:14	5.8	52.4	0.3	41.5	185.2				-11.8	-13.1	-12.2
GEW-090	1/26/2016 15:22	5.3	51.4	0.2	43.1	184.7				-12.0	-13.7	-12.2
GEW-102	1/14/2016 14:33	3.7	63.8	0.0	32.5	144.0				-19.0	-18.7	-18.8

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		(% vol)				°F		scfm		H ₂ O		
GEW-102	1/14/2016 14:37	3.3	57.4	0.3	39.0	142.2				-18.8	-18.9	-18.8
GEW-109	1/5/2016 14:02	8.0	51.7	0.0	40.3	61.1		3	4	-2.6	-2.6	-16.6
GEW-109	1/11/2016 14:22	6.0	41.7	4.2	48.1	47.9		5	4	-2.8	-2.8	-17.5
GEW-109	1/21/2016 10:20	9.3	49.3	0.3	41.1	25.4		4	5	-0.6	-0.6	-0.6
GEW-109	1/26/2016 8:45	2.8	36.1	8.8	52.3	32.5		6	6	-18.2	-18.2	-21.8
GEW-109	1/26/2016 8:50	2.2	20.7	12.5	64.6	32.1		7	9	-20.2	-20.2	-22.0
GEW-110	1/5/2016 14:26	4.3	27.0	10.8	57.9	79.5		10	15	-0.2	-0.2	-16.4
GEW-110	1/5/2016 14:27	4.6	29.6	11.0	54.8	79.1		7	7	-0.3	-0.3	-16.8
GEW-110	1/11/2016 14:23	10.7	23.9	12.7	52.7	51.8		12	14	-0.3	-0.3	-18.3
GEW-110	1/11/2016 14:25	6.4	22.8	12.5	58.3	51.5		11	10	-0.2	-0.2	-18.0
GEW-110	1/21/2016 10:23	5.9	29.4	14.3	50.4	97.1		8	8	-0.1	-0.1	-0.3
GEW-110	1/21/2016 10:23	5.3	25.3	14.5	54.9	98.0		8	8	-0.1	-0.1	-0.4
GEW-110	1/26/2016 9:07	4.0	24.7	12.1	59.2	87.8		10	9	-0.1	-0.1	-13.8
GEW-110	1/26/2016 9:15	4.2	24.3	12.4	59.1	88.4		2	10	-0.1	-0.2	-14.5
GEW-116	1/26/2016 14:46	4.4	57.0	2.8	35.8	35.5		3	0	-9.3	-8.8	-13.8
GEW-117	1/26/2016 14:44	5.5	56.2	2.0	36.3	57.4				-13.3	-13.3	-13.6
GEW-120	1/14/2016 9:05	16.7	65.8	0.0	17.5	172.7				-3.4	-3.4	-3.6
GEW-120	1/14/2016 9:13	16.0	64.7	0.1	19.2	173.1				-3.4	-3.4	-3.4
GEW-121	1/14/2016 9:18	4.3	60.0	0.0	35.7	186.3				-14.2	-14.8	-14.1
GEW-121	1/14/2016 9:28	4.3	58.0	0.1	37.6	186.3				-14.7	-15.1	-15.2
GEW-122	1/14/2016 10:48	4.1	57.6	0.1	38.2	190.8				-11.3	-11.3	-11.4
GEW-122	1/14/2016 10:59	4.0	54.6	0.1	41.3	190.5				-10.3	-10.7	-10.7
GEW-123	1/14/2016 9:35	9.6	49.5	4.2	36.7	170.7				-17.0	-16.7	-17.2
GEW-123	1/14/2016 9:37	10.2	53.0	4.3	32.5	170.8				-16.3	-16.6	-15.9
GEW-124	1/14/2016 11:05	3.9	50.8	3.1	42.2	83.7				-16.6	-16.5	-16.4
GEW-124	1/15/2016 10:32	7.7	62.4	0.1	29.8	157.6				-16.0	-16.0	-16.1
GEW-124	1/15/2016 10:40	7.1	57.4	0.1	35.4	157.5				-15.6	-16.3	-15.7
GEW-125	1/14/2016 11:09	0.2	57.9	0.2	41.7	190.2				-16.4	-16.3	-16.4
GEW-125	1/14/2016 11:11	0.3	59.0	0.1	40.6	190.2				-16.2	-16.3	-16.1
GEW-125	1/15/2016 10:23	0.2	24.9	6.9	68.0	71.2				-16.7	-17.0	-17.0
GEW-125	1/15/2016 10:25	0.2	26.0	6.4	67.4	70.0				-17.0	-17.3	-17.2
GEW-126	1/14/2016 11:18	7.2	54.2	0.0	38.6	189.1				-17.1	-17.1	-16.7
GEW-126	1/14/2016 11:27	6.4	51.7	0.1	41.8	189.1				-16.5	-16.7	-16.1
GEW-127	1/14/2016 11:32	0.6	58.7	0.3	40.4	183.0				-16.1	-15.7	-16.7
GEW-127	1/14/2016 11:33	0.3	63.0	0.1	36.6	183.0				-15.2	-16.2	-16.7
GEW-127	1/14/2016 15:24	0.2	62.0	0.1	37.7	184.6				-16.8	-16.8	-17.2
GEW-127	1/14/2016 15:33	0.2	65.1	0.2	34.5	184.6				-15.7	-17.3	-16.7
GEW-128	1/14/2016 11:38	1.4	59.5	0.2	38.9	180.8				-16.8	-16.6	-17.2
GEW-128	1/14/2016 11:40	1.3	60.7	0.1	37.9	180.8				-16.2	-15.9	-16.9
GEW-128	1/14/2016 15:12	1.5	61.7	0.2	36.6	181.9				-15.1	-15.1	-16.7
GEW-128	1/14/2016 15:20	1.4	61.8	0.2	36.6	181.9				-15.4	-16.2	-17.4
GEW-129	1/14/2016 11:44	1.2	57.0	0.1	41.7	165.4				-12.3	-12.3	-16.9

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		(% vol)				°F		scfm		H ₂ O		
GEW-129	1/14/2016 11:46	1.3	60.4	0.0	38.3	165.0				-14.7	-15.7	-16.6
GEW-129	1/14/2016 14:57	1.2	60.6	0.1	38.1	165.0				-16.3	-16.3	-17.4
GEW-129	1/14/2016 15:08	0.9	63.7	0.1	35.3	165.0				-13.9	-14.5	-14.8
GEW-131	1/26/2016 14:53	15.4	54.8	0.0	29.8	177.2				-7.0	-7.0	-13.1
GEW-131	1/26/2016 15:01	16.1	53.1	0.1	30.7	177.2				-7.6	-7.6	-13.1
GEW-132	1/14/2016 9:43	9.2	48.0	2.9	39.9	171.7				-14.4	-14.7	-15.5
GEW-132	1/14/2016 9:54	10.0	50.4	2.8	36.8	171.7				-13.7	-13.7	-13.7
GEW-133	1/14/2016 8:57	0.5	34.6	10.1	54.8	63.3		8	6	-16.7	-16.8	-16.7
GEW-133	1/14/2016 8:59	1.0	49.8	4.0	45.2	64.7		9	2	-16.8	-17.1	-17.2
GEW-134	1/14/2016 8:44	18.0	54.8	0.4	26.8	162.3				-17.3	-17.1	-17.4
GEW-134	1/14/2016 8:52	18.3	55.4	0.4	25.9	163.2				-17.1	-17.1	-17.6
GEW-135	1/14/2016 8:37	5.1	42.4	6.1	46.4	155.4				-13.7	-10.4	-16.4
GEW-135	1/14/2016 8:38	5.4	41.8	6.2	46.6	154.1				-12.2	-11.5	-10.7
GEW-136	1/14/2016 8:29	3.4	26.8	12.9	56.9	112.8				-13.7	-13.7	-14.0
GEW-136	1/14/2016 8:31	2.9	23.8	13.6	59.7	111.6				-6.9	-6.8	-16.9
GEW-137	1/14/2016 8:07	13.5	35.4	0.5	50.6	119.4				-14.7	-14.7	-15.0
GEW-137	1/14/2016 8:23	13.3	36.3	0.4	50.0	121.5				-14.7	-14.4	-15.0
GEW-138	1/15/2016 10:49	14.3	49.5	1.5	34.7	148.5				-2.8	-2.8	-14.7
GEW-138	1/15/2016 10:58	14.4	49.1	1.6	34.9	152.9				-2.7	-2.7	-14.1
GEW-139	1/14/2016 11:57	1.9	53.2	1.3	43.6	183.0				-7.9	-7.7	-14.9
GEW-139	1/14/2016 11:58	2.0	55.4	1.3	41.3	183.0				-10.7	-10.7	-14.9
GEW-139	1/14/2016 14:31	2.0	52.4	1.6	44.0	181.0				-11.5	-11.5	-15.5
GEW-139	1/14/2016 14:40	1.8	55.0	1.7	41.5	181.2				-11.0	-11.4	-15.2
GEW-140	1/15/2016 12:26	2.4	60.3	0.0	37.3	160.5				18.2	18.2	18.5
GEW-140	1/15/2016 12:36	2.4	56.9	0.2	40.5	137.3				19.0	19.0	19.1
GEW-141	1/14/2016 11:51	1.4	57.9	0.1	40.6	154.5				-17.6	-17.3	-17.5
GEW-141	1/14/2016 11:52	1.4	61.0	0.1	37.5	157.5				-17.9	-17.4	-17.2
GEW-141	1/14/2016 14:45	1.1	58.7	0.2	40.0	157.9				-17.9	-18.2	-17.7
GEW-141	1/14/2016 14:53	1.4	59.7	0.3	38.6	153.7				-17.7	-18.2	-17.7
GEW-142	1/15/2016 11:12	0.3	54.8	0.1	44.8	88.2				7.1	7.1	7.2
GEW-142	1/15/2016 11:14	0.2	60.3	0.0	39.5	88.0				7.4	7.4	7.4
GEW-143	1/15/2016 11:18	0.2	51.4	3.6	44.8	94.2				-17.5	-17.2	-17.6
GEW-143	1/15/2016 11:19	0.2	51.3	3.1	45.4	93.6				-17.4	-17.2	-17.4
GEW-144	1/15/2016 11:28	0.4	32.3	11.5	55.8	70.2				-12.6	-11.3	-12.7
GEW-144	1/15/2016 11:29	0.4	34.8	10.4	54.4	70.7				-13.6	-13.6	-14.1
GEW-145	1/29/2016 11:50	0.0	6.0	21.8	72.2	80.3				-15.6	-16.6	-16.5
GEW-145	1/29/2016 11:52	0.0	3.8	22.1	74.1	86.0				-16.1	-15.6	-16.4
GEW-146	1/15/2016 11:03	7.2	31.5	9.0	52.3	69.5				-7.3	-7.7	-15.8
GEW-146	1/15/2016 11:05	7.3	30.0	9.0	53.7	70.0				-9.7	-9.6	-14.1
GEW-147	1/15/2016 12:01	5.9	54.7	0.1	39.3	191.6				-16.7	-17.0	-16.5
GEW-147	1/15/2016 12:12	5.6	56.1	0.2	38.1	191.9				-16.6	-16.5	-17.0
GEW-148	1/27/2016 11:12	0.4	21.2	15.4	63.0	43.7				-11.8	-12.2	-12.5

January 2016 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-148	1/27/2016 11:12	0.4	20.3	15.3	64.0	45.2				-11.8	-12.3	-12.1
GEW-149	1/15/2016 11:53	10.4	32.0	9.0	48.6	123.7		27	28	-1.3	-1.2	-18.0
GEW-149	1/15/2016 11:54	10.0	33.4	8.8	47.8	120.7		15	17	-0.5	-0.5	-18.0
GEW-150	1/14/2016 11:35	6.4	66.0	0.0	27.6	184.6				-8.0	-8.0	-7.8
GEW-150	1/14/2016 11:40	3.3	67.1	0.0	29.6	184.1				-8.5	-8.0	-8.9
GEW-151	1/27/2016 11:06	0.8	26.1	11.8	61.3	47.2				-10.8	-10.8	-11.3
GEW-151	1/27/2016 11:06	0.5	26.8	11.4	61.3	47.3				-9.1	-10.5	-9.7
GEW-154	1/15/2016 11:39	20.8	35.3	1.2	42.7	51.5		8	15	-12.4	-12.7	-12.5
GEW-154	1/15/2016 11:47	23.2	34.3	1.2	41.3	48.9		15	9	-15.4	-15.6	-15.9
GEW-155	1/14/2016 7:58	5.6	26.9	10.6	56.9	111.1				-1.4	-1.3	-13.3
GEW-155	1/14/2016 7:59	5.5	27.0	10.6	56.9	111.6				-1.4	-1.4	-12.8
GEW-156	1/14/2016 11:45	8.3	27.5	11.7	52.5	101.9				-1.1	-1.1	-10.6
GEW-156	1/14/2016 11:45	8.7	26.4	11.8	53.1	102.0				-1.2	-1.1	-9.9
GIW-01	1/5/2016 14:28	5.7	47.9	4.9	41.5	183.0		45	45	-14.4	-14.4	-15.5
GIW-01	1/11/2016 14:32	2.9	46.3	4.9	45.9	166.9		0	27	-16.7	-16.7	-17.0
GIW-01	1/11/2016 14:33	2.8	46.1	4.9	46.2	166.6		13	8	-16.7	-16.7	-17.5
GIW-01	1/21/2016 10:05	0.7	23.1	15.4	60.8	143.6		46	14	-12.6	-13.7	-16.2
GIW-01	1/21/2016 10:06	0.5	19.6	16.1	63.8	143.6		38	41	-12.6	-13.1	-16.3
GIW-01	1/26/2016 11:24	0.5	17.8	18.6	63.1	146.6		0	21	-9.8	-8.9	-13.3
GIW-01	1/26/2016 11:27	0.6	18.6	18.9	61.9	147.2		0	0	-7.9	-8.4	-13.2
GIW-02	1/5/2016 14:13	0.3	44.9	7.5	47.3	54.1		9	8	-0.9	-0.9	-16.3
GIW-02	1/5/2016 14:14	0.3	43.7	7.4	48.6	54.3		7	7	-1.1	-1.0	-16.7
GIW-02	1/14/2016 15:33	1.0	59.5	3.5	36.0	75.5		24	15	-3.1	-3.7	-16.3
GIW-02	1/21/2016 9:59	0.2	35.2	19.0	45.6	26.6		0	0	-1.0	-1.0	-16.0
GIW-02	1/21/2016 10:00	0.0	20.8	20.7	58.5	26.7		0	0	-0.8	-0.8	-16.5
GIW-02	1/26/2016 11:15	6.8	30.9	10.1	52.2	54.9		26	30	-9.8	-9.9	-14.3
GIW-02	1/26/2016 11:22	6.9	29.2	10.4	53.5	54.9		93	88	-9.1	-9.6	-13.7
GIW-03	1/5/2016 14:10	0.1	19.3	9.6	71.0	49.4		15	8	-1.2	-1.3	-15.7
GIW-03	1/5/2016 14:11	0.4	29.1	8.6	61.9	51.2		0	0	-1.2	-1.1	-15.3
GIW-03	1/14/2016 15:31	1.1	65.5	0.1	33.3	75.0		12	12	0.9	0.8	-16.2
GIW-03	1/14/2016 15:32	1.1	64.5	0.0	34.4	75.2		0	0	-0.7	-0.5	-16.8
GIW-03	1/21/2016 9:58	0.5	41.2	7.0	51.3	27.6		0	10	-1.9	-1.9	-15.8
GIW-03	1/21/2016 9:58	0.4	46.4	6.5	46.7	28.0		9	10	-1.9	-2.0	-16.3
GIW-03	1/26/2016 11:03	0.6	53.4	4.5	41.5	35.9		18	10	-0.9	-1.1	-13.7
GIW-03	1/26/2016 11:09	0.2	47.6	4.8	47.4	36.0		0	0	-1.1	-1.1	-13.9
GIW-04	1/5/2016 14:07	0.7	23.0	17.8	58.5	49.3		0	0	-3.3	-3.3	-15.3
GIW-04	1/5/2016 14:08	0.2	18.8	18.1	62.9	50.6		0	0	-4.1	-4.2	-15.3
GIW-04	1/14/2016 15:28	0.3	13.3	17.7	68.7	71.4		0	0	-3.1	-3.1	-16.6
GIW-04	1/14/2016 15:28	0.2	8.3	17.4	74.1	72.3		8	6	-4.0	-4.0	-16.9
GIW-04	1/21/2016 9:54	1.8	20.3	20.6	57.3	22.6		0	0	-3.0	-3.0	-15.9
GIW-04	1/21/2016 9:54	0.6	14.0	20.8	64.6	23.1		0	0	-4.3	-4.3	-16.1
GIW-04	1/26/2016 10:48	0.6	44.0	3.6	51.8	33.3		9	9	-7.7	-7.8	-13.7

January 2016 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-04	1/26/2016 10:57	0.7	42.5	3.7	53.1	33.3		9	11	-9.6	-9.6	-14.5
GIW-05	1/5/2016 14:18	2.3	57.2	0.2	40.3	51.7		14	13	15.2	15.6	-15.5
GIW-05	1/5/2016 14:19	2.5	61.3	0.0	36.2	55.8		22	22	8.4	8.4	-15.8
GIW-05	1/11/2016 14:28	9.5	35.3	3.6	51.6	43.1		0	33	-15.8	-15.8	-17.5
GIW-05	1/21/2016 10:17	2.5	59.1	0.0	38.4	25.7		0	0	-8.9	-8.9	-15.2
GIW-05	1/26/2016 10:26	2.1	56.2	2.5	39.2	33.4		38	19	-10.9	-10.4	-11.7
GIW-05	1/26/2016 10:31	2.4	57.3	1.7	38.6	33.3		0	4	-10.4	-10.4	-11.5
GIW-06	1/5/2016 13:54	1.1	33.3	1.1	64.5	47.3		19	0	-15.5	-15.3	-15.0
GIW-06	1/14/2016 15:46	3.3	57.7	2.1	36.9	73.6		0	0	-14.1	-14.1	-16.8
GIW-06	1/21/2016 10:05	5.9	52.3	0.0	41.8	26.3		8	8	-0.1	-0.1	-16.4
GIW-06	1/27/2016 11:33	1.4	58.4	0.0	40.2	46.2		0	7	-12.2	-11.7	-11.8
GIW-06	1/27/2016 11:40	1.4	56.4	0.3	41.9	46.6		7	0	-10.8	-10.7	-12.2
GIW-07	1/5/2016 13:56	1.2	60.9	0.5	37.4	50.5		10	11	-12.8	-12.7	-15.2
GIW-07	1/14/2016 15:44	2.8	55.8	2.7	38.7	73.4		34	0	-16.1	-15.7	-16.8
GIW-07	1/21/2016 10:16	2.6	38.2	3.4	55.8	24.8		12	12	-7.9	-7.9	-15.0
GIW-07	1/27/2016 11:19	29.8	55.3	0.6	14.3	51.9		6	0	-11.2	-11.2	-13.9
GIW-07	1/27/2016 11:27	30.0	55.3	0.5	14.2	51.6		7	8	-11.2	-10.9	-13.1
GIW-08	1/5/2016 13:59	3.6	42.6	10.9	42.9	59.1				-5.3	-5.4	-15.4
GIW-08	1/5/2016 13:59	4.3	38.2	11.1	46.4	59.1				-5.8	-6.1	-16.0
GIW-08	1/14/2016 15:39	3.4	15.2	12.4	69.0	81.0				-3.1	-2.2	-16.8
GIW-08	1/14/2016 15:40	3.4	15.0	12.4	69.2	81.0				-2.8	-2.8	-16.6
GIW-08	1/21/2016 10:11	9.1	26.9	15.1	48.9	40.6				-8.4	-9.8	-16.5
GIW-08	1/21/2016 10:12	8.7	26.8	13.4	51.1	40.6				-9.6	-6.7	-16.3
GIW-08	1/27/2016 11:07	26.3	54.4	0.1	19.2	48.9				-10.4	-10.1	-16.1
GIW-08	1/27/2016 11:14	26.5	54.3	0.1	19.1	48.0				-10.3	-10.4	-14.2
GIW-09	1/5/2016 14:01	8.1	19.4	14.5	58.0	59.7				-7.5	-7.3	-16.2
GIW-09	1/5/2016 14:02	8.3	18.8	14.5	58.4	60.2				-9.3	-5.8	-15.2
GIW-09	1/14/2016 15:37	2.8	27.7	11.7	57.8	81.3				-3.1	-3.1	-16.7
GIW-09	1/14/2016 15:37	2.9	17.2	12.3	67.6	81.3				-3.1	-3.1	-17.0
GIW-09	1/21/2016 10:09	9.5	32.2	12.3	46.0	40.1				-9.0	-8.9	-16.4
GIW-09	1/21/2016 10:10	10.0	29.3	12.7	48.0	40.5				-7.4	-7.5	-16.2
GIW-09	1/27/2016 10:52	11.7	33.1	9.1	46.1	63.5				-4.5	-4.6	-11.2
GIW-09	1/27/2016 10:59	11.7	31.7	9.9	46.7	63.0				-4.5	-4.2	-14.7
GIW-10	1/5/2016 14:04	8.7	17.4	13.2	60.7	48.6		0	0	-7.8	-7.8	-15.5
GIW-10	1/5/2016 14:05	3.6	18.6	10.8	67.0	49.8		4	3	-11.2	-11.2	-15.9
GIW-10	1/14/2016 15:25	0.6	35.1	7.5	56.8	72.5		4	6	-13.6	-13.6	-16.9
GIW-10	1/14/2016 15:26	0.7	35.3	6.5	57.5	71.9		6	9	-15.9	-15.9	-16.4
GIW-10	1/21/2016 10:04	6.5	51.2	0.2	42.1	25.2		8	11	-0.1	-0.1	-15.6
GIW-10	1/26/2016 10:31	0.4	37.3	7.4	54.9	33.5		6	8	-11.9	-11.9	-11.9
GIW-10	1/26/2016 10:39	0.4	21.1	10.4	68.1	33.4		9	8	-12.8	-12.7	-14.2
GIW-11	1/5/2016 14:22	2.7	55.8	4.4	37.1	61.0				-4.4	-4.4	-16.0
GIW-11	1/11/2016 14:30	4.3	47.2	4.7	43.8	57.6				-4.9	-4.8	-17.5

January 2016 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-11	1/21/2016 9:53	7.6	32.3	5.8	54.3	43.5				-5.0	-5.0	-16.2
GIW-11	1/21/2016 9:54	6.3	38.2	5.4	50.1	43.8				-5.0	-5.0	-15.9
GIW-11	1/26/2016 10:41	4.1	48.4	4.3	43.2	46.4				-3.9	-3.9	-13.6
GIW-11	1/26/2016 10:44	3.0	38.5	4.7	53.8	46.6				-3.9	-3.9	-13.4
GIW-12	1/5/2016 14:23	2.3	41.7	10.4	45.6	65.4				-3.0	-3.0	-15.7
GIW-12	1/5/2016 14:24	1.8	31.0	11.3	55.9	65.6				-3.0	-3.0	-16.2
GIW-12	1/11/2016 14:31	2.1	25.0	11.9	61.0	65.1				-3.3	-3.3	-17.5
GIW-12	1/11/2016 14:32	2.2	18.8	12.5	66.5	65.4				-3.3	-3.3	-17.1
GIW-12	1/21/2016 9:57	6.8	23.6	9.1	60.5	53.7				-2.9	-3.0	-15.7
GIW-12	1/21/2016 9:58	7.7	20.9	9.3	62.1	53.9				-3.0	-3.0	-15.5
GIW-12	1/26/2016 10:57	4.3	22.5	11.2	62.0	56.1				-2.6	-2.6	-14.1
GIW-12	1/26/2016 11:00	3.7	19.6	11.8	64.9	55.8				-2.6	-2.5	-13.0
GIW-13	1/5/2016 14:26	14.7	47.6	0.6	37.1	57.0				-12.6	-12.7	-12.4
GIW-13	1/11/2016 14:28	16.9	50.7	0.6	31.8	44.1				-13.4	-13.2	-13.4
GIW-13	1/21/2016 10:01	16.6	54.1	0.3	29.0	32.1				-11.2	-11.1	-11.3
GIW-13	1/26/2016 11:12	12.7	57.4	0.3	29.6	35.7				-9.8	-9.9	-9.8
GIW-13	1/26/2016 11:17	12.3	52.8	0.3	34.6	35.7				-9.3	-9.3	-9.4
LCS-5A	1/6/2016 14:58	53.8	42.4	0.0	3.8	91.2				-10.3	-10.3	-10.9
LCS-5A	1/13/2016 13:47	61.1	38.9	0.0	0.0	91.0				-10.3	-10.3	-10.6
LCS-5A	1/21/2016 15:13	57.4	40.1	0.0	2.5	88.7				-10.1	-9.8	-10.1
LCS-6B	1/6/2016 14:30	51.2	40.4	0.4	8.0	60.1		7	7	-1.4	-1.3	-10.3
LCS-6B	1/13/2016 13:51	54.1	38.9	0.4	6.6	59.9		5	5	-0.5	-0.5	-11.2
LCS-6B	1/21/2016 13:35	53.7	38.3	0.8	7.2	36.4		9	9	-0.5	-0.6	-7.9
PGW-60	1/4/2016 8:16	55.8	44.1	0.1	0.0	39.8		10	13	-0.4	-0.3	-8.3
PGW-60	1/20/2016 11:51	61.5	34.0	0.6	3.9	39.3		30	30	-1.0	-1.0	-12.2
PGW-60	1/28/2016 9:18	61.0	37.4	0.3	1.3	49.6		13	7	21.6	21.8	-11.5
PGW-60	1/28/2016 9:19	58.9	39.7	0.1	1.3	48.9		0	11	4.3	4.2	-11.6
SEW-002	1/26/2016 14:06	1.6	11.8	13.5	73.1	36.3		9	0	-12.7	-12.8	-14.1
SEW-002	1/26/2016 14:07	1.6	26.7	11.3	60.4	36.4		4	0	-12.7	-12.8	-14.3
T-56	1/14/2016 10:57	47.8	34.3	0.6	17.3	47.7		21	23	-0.1	-0.1	-10.7

Wellfield Temperature - Bridgeton Landfill

Well Name	Maximum Initial Temperature From All Monthly Wellhead Readings (in °F)				Temp Trend ><30°F	Comments
	October 2015	November 2015	December 2015	January 2016		
GEW-001	--	--	--	--		
GEW-002	119.9	116.5	122.0	124.9		
GEW-003	119.4	117.3	111.9	113.3		
GEW-004	121.0	120.4	115.0	117.8		
GEW-005	97.3	97.9	93.4	95.6		
GEW-006	94.0	95.0	84.0	89.9		
GEW-007	99.2	96.9	90.5	96.4		
GEW-008	115.0	114.3	111.8	112.5		
GEW-009	126.3	125.4	124.5	122.3		
GEW-010	100.4	77.3	59.9	63.3		
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	193.7	192.5	170.0	192.8		
GEW-023A	--	--	--	--		
GEW-024A	--	--	--	--		
GEW-025A	--	--	--	--		
GEW-026R	68.0	--	--	--		
GEW-027A	--	--	90.0	--		
GEW-028R	194.8	195.1	150.0	178.2		
GEW-029	--	--	--	--		
GEW-030R	--	--	--	--		
GEW-033R	--	--	--	--		
GEW-034	--	--	--	--		
GEW-034A	--	--	--	--		
GEW-035	--	--	--	--		
GEW-036	--	--	--	--		
GEW-037	--	--	--	--		
GEW-038	101.7	108.6	59.9	50.9		
GEW-039	136.0	136.6	136.0	134.1		
GEW-040	94.8	93.4	87.4	86.9		
GEW-041R	107.2	108.7	95.2	103.2		
GEW-042R	105.2	110.4	99.9	111.6		
GEW-043R	130.5	138.3	127.0	130.8		
GEW-044	90.3	95.6	80.0	73.1		
GEW-045R	92.9	92.1	75.0	83.2		
GEW-046R	100.0	100.1	81.2	93.2		



Wellfield Temperature - Bridgeton Landfill

Well Name	Maximum Initial Temperature From All Monthly Wellhead Readings (in °F)				Temp Trend >30°F	Comments
	October 2015	November 2015	December 2015	January 2016		
GEW-047R	115.7	115.0	103.5	110.4		
GEW-048	107.0	105.8	101.3	103.6		
GEW-049	113.2	112.5	100.7	109.9		
GEW-050	108.6	109.7	101.5	106.3		
GEW-051	128.0	125.8	122.1	125.1		
GEW-052	115.0	114.7	109.0	112.6		
GEW-053	140.7	139.3	144.0	138.0		
GEW-054	150.9	144.0	147.7	154.9		
GEW-055	129.9	125.1	116.8	122.8		
GEW-056R	171.6	168.8	165.9	165.5		
GEW-057B	158.4	80.0	167.0	100.8		
GEW-057R	188.5	176.7	185.0	162.3		
GEW-058	187.9	185.7	172.0	184.6		
GEW-058A	181.9	164.0	188.0	167.8		
GEW-059R	186.3	186.8	142.0	186.3		
GEW-061B	92.8	55.3	44.0	--		
GEW-064A	--	--	--	--		
GEW-065A	194.2	191.3	192.0	180.8		
GEW-066	--	--	--	70.2		
GEW-067A	186.3	160.0	189.1	165.0		
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	65.9		
GEW-078R	--	--	--	--		
GEW-080	90.7	40.0	50.0	51.5		
GEW-081	--	--	--	--		
GEW-082R	192.5	194.9	180.0	196.6		
GEW-083	--	--	--	--		
GEW-084	--	--	--	--		
GEW-085	--	--	--	--		
GEW-086	106.0	97.1	110.0	87.0		
GEW-087	--	--	--	--		
GEW-088	--	--	--	--		
GEW-089	93.6	80.0	55.0	86.1		
GEW-090	189.6	187.4	173.0	185.2		
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
	October 2015	November 2015	December 2015	January 2016		
GEW-102	85.6	148.8	188.0	144.0		
GEW-103	--	--	--	--		
GEW-104	97.3	81.5	55.0	--		
GEW-105	95.2	75.0	45.0	--		
GEW-106	--	--	--	--		
GEW-107	89.5	40.0	--	--		
GEW-108	--	--	--	--		
GEW-109	180.9	81.9	102.6	61.1		
GEW-110	120.2	133.0	95.6	98.0		
GEW-112	--	--	--	--		
GEW-113	--	--	--	--		
GEW-116	88.9	82.5	77.0	35.5		
GEW-117	82.4	115.5	70.0	57.4		
GEW-118	--	--	--	--		
GEW-120	177.7	186.8	171.2	173.1		
GEW-121	189.1	189.1	187.4	186.3		
GEW-122	183.5	184.6	193.7	190.8		
GEW-123	190.7	193.7	192.6	170.8		
GEW-124	166.4	163.2	111.6	157.6		
GEW-125	91.3	191.9	192.6	190.2		
GEW-126	193.3	191.3	184.6	189.1		
GEW-127	176.2	188.0	186.3	184.6		
GEW-128	182.4	183.5	182.2	181.9		
GEW-129	162.2	159.6	166.4	165.4		
GEW-130	--	--	--	--		
GEW-131	175.8	161.1	125.1	177.2		
GEW-132	177.7	182.5	181.4	171.7		
GEW-133	103.2	71.2	71.4	64.7		
GEW-134	173.6	176.2	168.3	163.2		
GEW-135	186.3	186.8	178.7	155.4		
GEW-136	134.7	184.6	136.6	112.8		
GEW-137	120.2	115.5	120.1	121.5		
GEW-138	162.7	164.5	157.0	152.9		
GEW-139	188.3	188.5	184.6	183.0		
GEW-140	184.6	185.7	183.0	160.5		
GEW-141	147.7	153.7	148.5	157.9		
GEW-142	159.6	115.2	104.2	88.2		
GEW-143	118.3	109.0	103.0	94.2		
GEW-144	109.0	98.3	71.9	70.7		
GEW-145	85.6	144.2	137.6	86.0		
GEW-146	99.0	89.7	77.3	70.0		
GEW-147	190.2	191.3	184.1	191.9		
GEW-148	172.3	71.4	136.3	45.2		
GEW-149	153.3	172.6	171.7	123.7		
GEW-150	172.7	182.4	136.3	184.6		

Wellfield Temperature - Bridgeton Landfill

Well Name	Maximum Initial Temperature From All Monthly Wellhead Readings (in °F)				Temp Trend >>30°F	Comments
	October 2015	November 2015	December 2015	January 2016		
GEW-151	93.6	189.2	171.2	47.3		
GEW-152	179.8	192.5	--	--		
GEW-153	136.2	130.5	46.2	--		
GEW-154	191.9	184.1	144.7	51.5		
GEW-155	120.4	122.6	108.6	111.6		
GEW-156	160.1	118.6	124.0	102.0		
GIW-01	188.5	189.1	189.6	183.0		
GIW-02	91.1	77.3	63.8	75.5		
GIW-03	89.6	74.8	63.5	75.2		
GIW-04	92.7	71.2	61.9	72.3		
GIW-05	88.7	61.8	59.3	55.8		
GIW-06	87.5	72.2	60.5	73.6		
GIW-07	89.5	69.5	59.6	73.4		
GIW-08	86.0	68.5	59.2	81.0		
GIW-09	88.3	78.6	66.8	81.3		
GIW-10	90.7	70.9	60.2	72.5		
GIW-11	93.2	74.9	62.2	61.0		
GIW-12	96.2	83.6	74.7	65.6		
GIW-13	87.8	71.7	60.0	57.0		
LCS-1D	--	--	--	--		
LCS-2D	--	--	--	--		
LCS-3C	--	--	--	--		
LCS-4B	--	--	--	--		
LCS-5A	94.6	94.7	90.0	91.2		
LCS-6B	88.8	79.8	73.0	60.1		
PGW-60	88.3	81.9	60.0	49.6		
SEW-002	78.0	54.3	38.0	36.4		
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	77.0	69.4	40.0	47.7		

-- = 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	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-002	1/14/2016	55	43	ND	ND	ND	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-003	1/14/2016	52	39	ND	6.7	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-004	1/14/2016	52	40	ND	7	0.1	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-005	1/14/2016	42	34	ND	24	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-006	1/14/2016	52	37	ND	10	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-007	1/14/2016	57	41	ND	ND	ND	ND	
GEW-007	1/27/2016	56	39	ND	4	ND	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-008	1/27/2016	50	47	ND	ND	1.6	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-009	1/27/2016	51	41	ND	6.7	0.5	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-040	1/14/2016	57	41	ND	ND	ND	ND	

Laboratory Analysis - Bridgeton Landfill

Well Name	Date Sampled	Methane	CO ₂	O ₂ /Argon	Nitrogen	Hydrogen	Carbon Monoxide	Comments
							(ppm)	
		(%)						
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-041R	1/14/2016	56	42	ND	ND	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-042R	1/14/2016	55	42	ND	ND	ND	ND	
GEW-043R	9/8/2015	54	41	ND	ND	0.2	ND	
GEW-043R	11/11/2015	53	44	ND	ND	ND	ND	
GEW-043R	1/14/2016	55	43	ND	ND	0.2	ND	
GEW-044	9/10/2015	55	38	ND	5.9	ND	ND	
GEW-044	11/10/2015	47	37	ND	15	ND	ND	
GEW-044	1/14/2016	56	40	ND	ND	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-045R	1/14/2016	56	43	ND	ND	ND	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-046R	1/14/2016	54	41	ND	4.7	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-047R	1/14/2016	40	35	ND	24	0.05	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-048	1/14/2016	52	39	ND	8.4	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-049	1/27/2016	45	34	ND	20	0.1	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-050	1/14/2016	53	39	ND	7.9	0.1	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-051	1/27/2016	55	41	ND	ND	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-052	1/14/2016	45	36	ND	19	0.04	ND	
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-053	1/27/2016	50	41	ND	3.9	4.7	49	

Laboratory Analysis - Bridgeton Landfill

Well Name	Date Sampled	Methane	CO ₂	O ₂ /Argon	Nitrogen	Hydrogen	Carbon Monoxide	Comments
							(ppm)	
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-054	1/27/2016	53	42	ND	ND	4.0	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	
GEW-055	1/27/2016	54	42	ND	ND	1.0	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
							(ppm)	
South Quarry								
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-010	1/26/2016	53	43	ND	3.0	0.2	ND	
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-028R	1/26/2016	0.1	60	1.5	5.1	33	3,600	
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-038	1/26/2016	0.3	56	2.2	8	33	3,200	
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-039	1/26/2016	42	56	ND	ND	0.7	52	
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-056R	1/26/2016	16	39	ND	31	13	700	
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-057R	1/14/2016	0.4	54	ND	ND	40	2,200	
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-058	1/14/2016	3.8	54	ND	5.5	35	2,100	
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-058A	1/14/2016	0.3	51	2	7.1	39	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-059R	1/14/2016	0.9	48	1.9	6.9	41	1,900	See Note 3
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-065A	1/14/2016	0.4	58	ND	ND	36	2,900	
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-082R	1/14/2016	0.8	56	ND	ND	40	2,000	
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-090	1/26/2016	5	50	ND	ND	42	1,900	
GEW-102	11/13/2015	2.1	59	ND	3.3	34	2,100	
GEW-102	1/14/2016	2.3	60	ND	ND	34	1,700	
GEW-104	11/13/2015	0.4	43	5.7	21	29	1,500	
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-109	1/26/2016	2.3	36	7.9	34	19	1,300	See Note 4

Laboratory Analysis - Bridgeton Landfill

Well Name	Date Sampled	Methane	CO ₂	O ₂ /Argon	Nitrogen	Hydrogen	Carbon Monoxide	Comments
							(ppm)	
		(%)						
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-110	1/26/2016	4.2	23	11	51	11	630	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	
GEW-120	11/12/2015	7.6	68	ND	ND	21	2,100	
GEW-120	1/14/2016	15	69	ND	ND	11	880	
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-121	1/14/2016	3.8	60	ND	ND	33	2,600	
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-122	1/14/2016	3.5	57	ND	ND	37	3,000	
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-124	1/15/2016	6.8	62	ND	ND	27	1,900	
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-126	1/14/2016	6.2	54	ND	ND	36	3,500	
GEW-127	11/13/2015	0.4	62	ND	ND	33	4,100	
GEW-127	1/14/2016	0.3	65	ND	ND	32	4,400	
GEW-128	11/13/2015	0.7	61	ND	ND	34	3,800	
GEW-128	1/14/2016	0.9	64	ND	ND	32	3,600	
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-129	1/14/2016	1.0	62	ND	ND	34	3,300	
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-131	1/26/2016	15	51	ND	ND	31	2,100	
GEW-132	11/12/2015	6.9	43	5.9	26	17	1,200	See Note 4
GEW-132	1/14/2016	8.7	50	2.9	15	23	1,700	
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-134	1/14/2016	17	58	ND	13	11	750	
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-137	1/14/2016	13	36	ND	49	0.3	36	
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-138	1/15/2016	13	50	2.2	25	9.2	730	See Note 4

Laboratory Analysis - Bridgeton Landfill

Well Name	Date Sampled	Methane	CO ₂	O ₂ /Argon	Nitrogen	Hydrogen	Carbon Monoxide	Comments
		(%)						
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-139	1/14/2016	1.4	54	1.8	6.6	35	3,600	
GEW-140	1/15/2016	1.7	60	ND	ND	35	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-141	1/14/2016	1.1	60	ND	ND	33	3,300	
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-147	1/15/2016	4.9	54	ND	3.5	36	2,000	
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-150	1/14/2016	4	63	1.9	6.6	23	1,700	See Note 3
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-154	1/15/2016	21	33	ND	20	24	850	
GEW-156	11/12/2015	4.6	37	9.1	40	9.4	1,100	
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-01	1/26/2016	0.5	16	17	60	6.6	580	See Note 4
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-02	1/26/2016	6.4	28	10	47	8.3	510	See Note 4
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-03	1/26/2016	0.4	48	4.7	17	29	2,500	See Note 4
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-04	1/26/2016	0.5	50	2	6	41	2,300	See Note 4
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-05	1/26/2016	1.7	56	1.7	6	34	1,400	See Note 4

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Well Name	Date Sampled	Methane	CO ₂	O ₂ /Argon	Nitrogen	Hydrogen	Carbon Monoxide	Comments
		(%)						
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-06	1/27/2016	1.0	59	ND	ND	36	1,500	
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-07	1/27/2016	29	59	ND	3	8.6	660	
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-08	1/27/2016	26	59	ND	13	2.2	320	
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-09	1/27/2016	11.0	31	9	40	8.9	590	See Note 4
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-10	1/26/2016	0.3	31	7.7	28	32	2,100	See Note 4
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	
GIW-11	12/09/2015	2.4	53	2.7	12	29	2,500	See Note 4
GIW-11	1/26/2016	4	46	4.1	19	27	1,900	See Note 4
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-12	1/26/2016	4.2	20	11	61	4.9	320	See Note 4
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	
GIW-13	1/26/2016	11.0	58	ND	6.8	22	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	12/1/2015	10.6	36.2	8.1	33.6	10.5	1000	See Note 6
Flare Station ²	1/5/2016	11.2	37.6	7.7	32.1	10.7	1,000	See Note 6
Flare Station ²	2/2/2016	11.8	37.7	7.8	31.0	10.9	1,050	See Note 6

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. (6) Flare station gas concentration data is an average of Outlets 1 & 2.

ND = Analyte not detected in sample.

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