

December 2016 Wellfield Monitoring Data - Bridgeton Landfill

Well Name	Date Sampled	Methane	CO <sub>2</sub>	O <sub>2</sub>	Balance Gas	Init Temp	Adj Temp	Init Flow	Adj Flow	Init Static Press	Adj Static Press	System Pressure
		(% vol)				°F		scfm		H <sub>2</sub> O		
GEW-002	12/7/2016 10:19	54.0	43.1	0.0	2.9	117.3		0	0	0.9	0.9	-13.7
GEW-002	12/7/2016 10:29	54.7	43.2	0.0	2.1	123.1		25	24	0.4	0.4	-14.2
GEW-002	12/16/2016 10:00	56.3	39.6	0.1	4.0	120.8		44	45	-0.8	-0.9	-14.4
GEW-002	12/16/2016 10:01	55.2	41.0	0.0	3.8	121.3		16	16	-0.6	-0.6	-13.7
GEW-002	12/21/2016 10:01	56.3	40.1	0.0	3.6	124.6		35	35	0.2	0.2	-13.5
GEW-002	12/21/2016 10:02	54.8	41.9	0.0	3.3	124.7		23	27	0.1	0.0	-13.2
GEW-002	12/28/2016 9:49	55.8	41.1	0.0	3.1	117.3		45	43	-0.6	-0.6	-14.0
GEW-003	12/7/2016 10:39	54.1	41.1	0.0	4.8	116.0		8	17	-0.7	-0.7	-12.9
GEW-003	12/7/2016 10:48	55.0	40.3	0.0	4.7	115.5		0	0	-0.7	-0.7	-13.6
GEW-003	12/16/2016 10:05	52.0	39.7	0.0	8.3	111.1		0	0	-0.4	-0.4	-13.2
GEW-003	12/21/2016 10:06	52.8	40.6	0.0	6.6	112.5		19	19	-0.6	-0.6	-13.0
GEW-003	12/28/2016 9:52	51.3	39.6	0.0	9.1	110.2		17	10	-0.6	-0.6	-13.1
GEW-004	12/7/2016 10:55	52.2	38.8	0.0	9.0	116.0		19	8	-0.6	-0.6	-12.7
GEW-004	12/7/2016 11:03	52.1	40.1	0.0	7.8	116.0		22	26	-0.7	-0.6	-13.3
GEW-004	12/16/2016 10:09	50.7	39.5	0.0	9.8	114.2		21	11	-0.3	-0.3	-13.3
GEW-004	12/21/2016 10:09	48.8	38.6	0.0	12.6	116.6		16	12	-0.7	-0.7	-13.2
GEW-004	12/28/2016 9:56	47.0	37.7	0.0	15.3	113.3		9	10	-0.7	-0.6	-13.3
GEW-004	12/28/2016 9:57	46.5	38.0	0.0	15.5	113.5		13	13	-0.6	-0.6	-13.2
GEW-005	12/7/2016 11:28	47.8	37.0	0.0	15.2	88.6		29	29	-0.1	-0.1	-13.4
GEW-005	12/7/2016 11:35	48.6	37.2	0.0	14.2	88.9		29	29	-0.1	-0.1	-13.3
GEW-005	12/16/2016 10:27	48.3	38.7	0.0	13.0	88.1		22	21	0.0	0.0	-13.3
GEW-005	12/21/2016 10:20	40.6	34.4	0.0	25.0	91.9		17	18	-0.6	-0.6	-12.9
GEW-005	12/22/2016 8:56	37.2	31.1	0.0	31.7	87.2		0	0	-1.1	-1.1	-13.5
GEW-005	12/28/2016 10:11	36.6	32.8	0.0	30.6	90.7		26	24	-0.4	-0.4	-12.7
GEW-005	12/28/2016 10:12	37.4	33.6	0.0	29.0	91.1		29	31	-0.4	-0.4	-13.0
GEW-006	12/7/2016 13:48	50.1	32.4	0.0	17.5	82.8		26	23	-0.6	-0.6	-11.8
GEW-006	12/16/2016 11:10	52.4	32.2	0.0	15.4	87.7		17	16	-0.1	0.0	-12.8
GEW-006	12/21/2016 10:27	42.2	35.5	0.0	22.3	86.5		26	26	-0.8	-0.8	-13.3
GEW-006	12/21/2016 10:28	40.9	33.7	0.0	25.4	86.5		20	26	-0.9	-0.8	-12.7
GEW-006	12/28/2016 10:22	37.8	33.4	0.0	28.8	88.8		25	24	-0.7	-0.6	-12.1
GEW-006	12/28/2016 10:23	37.0	32.8	0.0	30.2	88.6		24	23	-0.6	-0.6	-12.9
GEW-007	12/7/2016 15:40	57.0	39.2	0.0	3.8	76.1		25	26	-0.5	-0.5	-13.3
GEW-007	12/16/2016 14:02	55.5	42.2	0.0	2.3	73.7		31	32	-0.1	-0.1	-12.2
GEW-007	12/21/2016 8:51	55.5	39.5	0.3	4.7	86.7		11	10	-3.1	-3.1	-13.2
GEW-007	12/21/2016 8:54	56.0	38.5	0.2	5.3	86.3		12	13	-2.8	-2.8	-13.4
GEW-007	12/28/2016 10:41	54.9	36.9	0.3	7.9	89.7		10	11	-2.3	-2.3	-13.3
GEW-007	12/28/2016 10:42	55.3	38.7	0.3	5.7	89.0		9	9	-1.6	-1.6	-13.3
GEW-008	12/7/2016 15:45	54.1	41.1	0.0	4.8	107.5		16	19	-0.6	-0.6	-13.2
GEW-008	12/7/2016 15:53	54.4	42.3	0.0	3.3	107.0		14	13	-0.6	-0.6	-13.3
GEW-008	12/16/2016 13:57	54.4	42.2	0.0	3.4	108.2		17	17	-0.2	-0.2	-12.2
GEW-008	12/21/2016 8:58	53.6	38.0	0.1	8.3	110.7		19	16	-1.5	-1.5	-13.5
GEW-008	12/21/2016 9:00	51.3	40.9	0.0	7.8	110.5		18	16	-1.4	-1.4	-13.0
GEW-008	12/28/2016 10:47	53.7	37.4	0.0	8.9	109.2		19	21	-1.1	-1.1	-13.2

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		(% vol)				°F		scfm		H <sub>2</sub> O		
GEW-008	12/28/2016 10:49	51.4	41.6	0.0	7.0	109.2		16	17	-1.0	-1.0	-13.3
GEW-009	12/7/2016 15:58	47.8	39.4	0.0	12.8	118.1		28	26	-0.4	-0.4	-19.4
GEW-009	12/7/2016 16:05	48.4	39.2	0.0	12.4	117.6		16	14	-0.5	-0.5	-19.6
GEW-009	12/16/2016 13:52	50.8	41.4	0.0	7.8	122.6		18	18	0.0	0.0	-18.2
GEW-009	12/21/2016 9:04	43.6	38.1	0.0	18.3	117.9		20	17	-0.6	-0.5	-17.9
GEW-009	12/28/2016 10:54	42.9	36.6	0.1	20.4	116.5		25	28	-0.5	-0.5	-18.7
GEW-009	12/28/2016 10:56	41.5	38.2	0.0	20.3	116.3		34	34	-0.5	-0.5	-18.7
GEW-010	12/9/2016 8:42	43.2	47.0	0.7	9.1	49.0		5	2	-14.3	-14.3	-19.6
GEW-010	12/9/2016 8:52	42.6	46.4	0.8	10.2	49.2		2	2	-14.3	-14.3	-19.1
GEW-010	12/14/2016 15:21	42.5	48.6	0.8	8.1	51.8		2	0	-13.8	-13.8	-18.4
GEW-010	12/16/2016 14:28	39.6	49.3	0.8	10.3	38.9		5	4	-10.0	-10.0	-18.7
GEW-010	12/21/2016 14:47	39.8	55.5	0.2	4.5	61.4		3	3	-3.7	-3.7	-18.0
GEW-010	12/27/2016 14:30	48.1	49.8	0.2	1.9	63.6		1	2	-3.8	-3.8	-18.1
GEW-013A	12/28/2016 9:54	14.7	36.6	7.2	41.5	118.0		NFD		-7.8	-7.8	-15.5
GEW-013A	12/28/2016 9:55	15.1	35.4	7.3	42.2	117.8		NFD		-8.5	-8.3	-16.6
GEW-015	12/6/2016 9:13	5.7	42.1	4.0	48.2	181.5		NFD		-4.5	-4.5	-11.8
GEW-015	12/6/2016 9:15	5.7	45.7	3.7	44.9	181.7		NFD		-4.6	-4.6	-11.9
GEW-016R	12/6/2016 9:19	5.6	48.8	1.3	44.3	188.3		NFD		-18.3	-18.3	-18.1
GEW-016R	12/6/2016 9:20	5.7	52.4	1.2	40.7	188.2		NFD		-18.9	-18.8	-18.5
GEW-018B	12/29/2016 13:55	2.0	35.7	0.0	62.3	190.2		NFD		-7.0	-6.8	-7.2
GEW-018B	12/29/2016 13:55	1.7	51.7	0.0	46.6	190.2		NFD		-7.0	-7.1	-6.7
GEW-038	12/9/2016 11:08	9.8	44.0	4.2	42.0	44.6		9	4	-8.6	-8.6	-10.5
GEW-038	12/9/2016 11:17	9.3	45.9	4.2	40.6	46.5		7	11	-8.9	-8.9	-10.0
GEW-038	12/14/2016 12:17	11.4	43.6	3.5	41.5	35.3		3	3	-8.0	-8.0	-9.0
GEW-038	12/16/2016 14:18	9.5	45.9	3.9	40.7	28.8		12	6	-7.1	-7.1	-10.2
GEW-038	12/21/2016 14:16	9.9	46.6	3.8	39.7	57.3		1	2	-4.8	-4.8	-7.5
GEW-038	12/27/2016 13:44	12.1	41.5	4.4	42.0	58.5		2	2	-4.8	-4.8	-7.7
GEW-039	12/8/2016 14:25	45.3	50.5	0.0	4.2	95.5		9	13	-0.2	-0.2	-18.4
GEW-039	12/8/2016 14:41	47.9	48.7	0.0	3.4	99.4		4	8	-0.2	-0.2	-19.0
GEW-039	12/14/2016 12:02	49.0	46.0	0.1	4.9	99.2		7	9	-0.2	-0.2	-15.3
GEW-039	12/21/2016 14:00	51.7	43.5	0.0	4.8	105.2		8	9	-0.3	-0.3	-17.6
GEW-039	12/27/2016 13:38	52.3	39.4	0.1	8.2	102.4		8	15	-0.2	-0.2	-17.4
GEW-040	12/7/2016 8:24	57.0	41.5	0.1	1.4	76.6		10	9	-0.4	-0.4	-13.3
GEW-040	12/7/2016 8:33	58.1	39.8	0.1	2.0	76.8		41	41	-0.3	-0.3	-14.2
GEW-040	12/16/2016 8:57	53.7	43.9	0.0	2.4	76.1		11	14	-0.4	-0.4	-13.5
GEW-040	12/21/2016 9:09	56.4	38.6	0.0	5.0	79.6		8	9	-0.4	-0.4	-13.3
GEW-040	12/28/2016 8:48	57.6	39.4	0.0	3.0	78.9		36	36	-0.2	-0.2	-7.8
GEW-041R	12/7/2016 8:43	52.1	37.1	0.9	9.9	87.3		0	0	-0.4	-0.4	-10.2
GEW-041R	12/16/2016 9:02	54.3	38.3	0.0	7.4	25.6		87	87	0.6	0.6	1.9
GEW-041R	12/16/2016 9:03	51.9	41.7	0.0	6.4	25.6		73	72	0.5	0.5	1.7
GEW-041R	12/21/2016 9:12	53.5	39.4	0.0	7.1	43.4		9	10	0.5	0.5	2.3
GEW-041R	12/21/2016 9:14	52.2	41.8	0.0	6.0	43.6		7	8	0.5	0.5	2.4
GEW-041R	12/28/2016 8:52	56.6	40.2	0.0	3.2	47.7		0	0	0.1	0.1	-4.5

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		(% vol)				°F		scfm		H <sub>2</sub> O		
GEW-041R	12/28/2016 8:55	57.1	39.4	0.0	3.5	48.7		4	3	0.2	0.2	-6.6
GEW-042R	12/7/2016 8:49	55.7	38.3	0.4	5.6	82.1		32	32	-1.3	-1.3	-12.1
GEW-042R	12/7/2016 8:58	56.5	38.3	0.5	4.7	79.2		32	33	-1.1	-1.1	-13.5
GEW-042R	12/16/2016 9:08	56.2	40.9	0.0	2.9	29.5		0	0	0.8	0.8	2.9
GEW-042R	12/16/2016 9:11	56.4	40.7	0.0	2.9	29.6		0	0	0.8	0.7	2.6
GEW-042R	12/21/2016 9:17	56.9	41.3	0.0	1.8	45.3		8	7	0.7	0.7	0.7
GEW-042R	12/21/2016 9:18	57.4	41.0	0.0	1.6	46.1		8	7	0.7	0.7	0.7
GEW-042R	12/22/2016 8:35	58.1	38.6	0.0	3.3	75.1		11	5	-2.1	-2.1	-12.9
GEW-042R	12/22/2016 8:37	57.5	39.2	0.0	3.3	75.2		0	14	-2.1	-2.1	-12.8
GEW-042R	12/28/2016 8:58	57.6	38.8	0.0	3.6	73.4		31	31	-0.7	-0.7	-9.1
GEW-042R	12/28/2016 9:00	57.2	39.2	0.0	3.6	74.8		0	0	-0.8	-0.8	-8.1
GEW-043R	12/7/2016 9:18	54.5	38.5	0.6	6.4	115.5		41	41	-0.8	-0.8	-14.2
GEW-043R	12/7/2016 9:20	53.2	39.0	0.9	6.9	112.7		40	39	-0.7	-0.7	-13.5
GEW-043R	12/16/2016 9:17	51.0	38.7	0.1	10.2	116.0		27	26	-1.3	-1.4	-14.4
GEW-043R	12/16/2016 9:18	50.3	39.3	0.1	10.3	115.8		26	26	-1.3	-1.3	-13.2
GEW-043R	12/21/2016 9:22	52.8	39.7	0.0	7.5	118.1		24	24	-1.6	-1.6	-13.4
GEW-043R	12/21/2016 9:24	52.0	39.3	0.1	8.6	117.9		24	27	-1.5	-1.5	-13.9
GEW-043R	12/28/2016 9:05	47.8	36.6	0.3	15.3	115.2		21	23	-1.9	-1.9	-13.2
GEW-043R	12/28/2016 9:07	46.8	37.8	0.5	14.9	114.3		31	31	-1.5	-1.5	-13.5
GEW-044	12/7/2016 16:29	59.0	36.0	0.4	4.6	77.4		10	10	-1.7	-1.7	-13.2
GEW-044	12/16/2016 9:23	52.3	38.7	0.2	8.8	71.4		3	5	-0.8	-0.8	-13.3
GEW-044	12/16/2016 9:25	52.0	39.1	0.2	8.7	70.9		32	32	-0.9	-0.9	-13.3
GEW-044	12/21/2016 9:28	46.6	36.8	0.2	16.4	75.7		39	39	-1.4	-1.4	-13.3
GEW-044	12/21/2016 9:29	46.6	36.6	0.1	16.7	76.2		0	8	-1.3	-1.4	-13.3
GEW-044	12/28/2016 9:11	40.6	33.4	0.3	25.7	78.0		41	41	-1.3	-1.3	-13.3
GEW-044	12/28/2016 9:13	38.9	34.3	0.2	26.6	76.8		5	4	-1.2	-1.2	-13.4
GEW-045R	12/7/2016 9:42	56.3	38.2	0.4	5.1	74.5		17	17	-0.7	-0.7	-13.5
GEW-045R	12/7/2016 9:54	55.1	41.3	0.1	3.5	74.1		9		-0.4		-13.5
GEW-045R	12/29/2016 15:39	47.1	34.1	0.7	18.1	75.2		0	0	-4.4	-4.4	-13.4
GEW-045R	12/29/2016 15:41	46.9	33.9	0.5	18.7	74.5		6	6	-2.8	-2.8	-13.3
GEW-046R	12/7/2016 10:02	55.9	40.6	0.0	3.5	94.0		26	26	-0.4	-0.4	-13.3
GEW-046R	12/7/2016 10:10	56.8	40.8	0.1	2.3	93.9		0	0	-0.4	-0.4	-13.3
GEW-046R	12/16/2016 9:40	56.8	39.3	0.0	3.9	89.1		0	0	-0.2	-0.2	-13.5
GEW-046R	12/21/2016 9:40	57.3	40.3	0.0	2.4	91.7		9	7	-0.2	-0.2	-13.0
GEW-046R	12/28/2016 9:28	59.1	37.8	0.0	3.1	93.0		17	17	-0.2	-0.2	-12.7
GEW-047R	12/7/2016 11:14	49.0	38.4	0.0	12.6	101.6		34	34	-0.2	-0.2	-13.2
GEW-047R	12/7/2016 11:21	50.0	38.7	0.0	11.3	101.3		0	0	-0.2	-0.2	-13.3
GEW-047R	12/16/2016 10:22	51.7	40.8	0.0	7.5	114.0		35	35	-0.1	-0.1	-13.1
GEW-047R	12/21/2016 10:17	38.0	33.5	0.0	28.5	110.7		21	15	-0.8	-0.9	-12.8
GEW-047R	12/28/2016 10:05	34.7	34.3	0.0	31.0	109.9		32	32	-0.8	-0.8	-12.9
GEW-047R	12/28/2016 10:06	33.7	33.6	0.0	32.7	109.5		30	32	-0.7	-0.7	-13.2
GEW-048	12/7/2016 11:41	53.7	38.7	0.0	7.6	98.7		18	11	-0.3	-0.4	-7.5
GEW-048	12/7/2016 11:48	54.6	38.6	0.0	6.8	98.7		28	31	-0.3	-0.3	-8.1

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GEW-048	12/16/2016 10:31	53.6	38.4	0.0	8.0	98.7		13	14	0.0	0.0	-10.2
GEW-048	12/21/2016 10:24	51.1	36.9	0.0	12.0	100.8		22	25	-0.9	-0.9	-10.1
GEW-048	12/28/2016 10:16	49.8	35.5	0.1	14.6	99.8		37	38	-0.7	-0.7	-7.0
GEW-048	12/28/2016 10:17	48.3	36.8	0.0	14.9	99.4		38	41	-0.7	-0.7	-8.8
GEW-049	12/7/2016 14:08	46.3	35.7	0.0	18.0	103.3		17	18	-0.4	-0.4	-13.3
GEW-049	12/7/2016 14:16	46.9	36.1	0.1	16.9	103.0		42	41	-0.4	-0.4	-13.2
GEW-049	12/16/2016 11:19	54.9	38.1	0.0	7.0	105.1		33	33	0.0	-0.1	-12.5
GEW-049	12/21/2016 8:08	35.6	34.9	0.9	28.6	104.0		26	24	-1.5	-1.5	-12.9
GEW-049	12/21/2016 8:09	37.0	33.8	0.8	28.4	103.5		19	19	-1.4	-1.4	-13.6
GEW-049	12/28/2016 8:18	37.8	34.3	0.5	27.4	104.8		30	30	-1.0	-1.0	-13.9
GEW-049	12/28/2016 8:20	39.8	35.0	0.3	24.9	104.3		28	26	-0.9	-0.9	-13.5
GEW-050	12/7/2016 13:55	50.6	35.8	0.0	13.6	104.2		0	0	-0.6	-0.7	-7.0
GEW-050	12/16/2016 11:24	51.3	38.0	0.0	10.7	105.0		37	36	-0.1	-0.2	-10.2
GEW-050	12/21/2016 10:34	44.6	31.7	0.0	23.7	106.7		23	21	-1.2	-1.3	-12.4
GEW-050	12/21/2016 10:36	43.6	35.3	0.0	21.1	106.6		20	24	-1.1	-1.1	-5.5
GEW-050	12/28/2016 10:31	39.6	32.8	0.0	27.6	105.2		18	23	-1.0	-0.9	-6.4
GEW-050	12/28/2016 10:32	39.1	33.8	0.0	27.1	105.0		37	37	-0.9	-0.9	-10.4
GEW-051	12/7/2016 14:23	55.2	39.4	0.0	5.4	119.4		17	15	-0.4	-0.4	-13.0
GEW-051	12/16/2016 11:33	55.0	39.6	0.0	5.4	121.5		0	0	0.6	0.6	-13.0
GEW-051	12/16/2016 11:35	53.9	40.8	0.0	5.3	128.6		25	28	-0.2	-0.2	-11.9
GEW-051	12/21/2016 8:26	56.1	38.4	0.0	5.5	122.9		34	32	-2.3	-2.2	-12.3
GEW-051	12/21/2016 8:28	54.2	38.7	0.0	7.1	122.3		23	24	-1.9	-1.9	-12.7
GEW-051	12/28/2016 8:25	52.7	40.7	0.0	6.6	121.5		24	16	-1.5	-1.4	-12.9
GEW-051	12/28/2016 8:27	52.4	39.8	0.0	7.8	120.4		17	9	-1.3	-1.3	-13.2
GEW-052	12/7/2016 13:59	46.3	34.4	0.0	19.3	108.2		34	35	-0.3	-0.3	-13.0
GEW-052	12/16/2016 11:29	51.7	39.5	0.0	8.8	109.5		23	23	0.0	0.0	-12.4
GEW-052	12/21/2016 10:39	35.0	34.5	0.0	30.5	110.7		24	25	-0.8	-0.8	-12.9
GEW-052	12/21/2016 10:40	31.4	32.6	0.0	36.0	110.7		23	25	-0.8	-0.8	-13.1
GEW-052	12/28/2016 10:36	27.5	30.4	0.0	42.1	108.9		0	8	-0.8	-0.8	-12.9
GEW-052	12/28/2016 10:37	25.9	29.8	0.0	44.3	108.8		26	28	-0.7	-0.7	-13.5
GEW-053	12/7/2016 14:33	49.7	38.8	0.0	11.5	133.8		53	51	-3.3	-3.1	-13.3
GEW-053	12/7/2016 14:40	49.9	39.8	0.1	10.2	133.5		49	49	-3.5	-3.5	-12.2
GEW-053	12/16/2016 13:31	53.1	34.6	0.0	12.3	132.8		55	57	-3.0	-3.0	-12.6
GEW-053	12/16/2016 13:33	49.3	38.8	0.0	11.9	133.2		58	57	-3.2	-3.1	-13.3
GEW-053	12/21/2016 8:31	49.7	37.1	0.0	13.2	132.6		53	55	-4.3	-4.3	-13.5
GEW-053	12/21/2016 8:33	48.5	39.3	0.0	12.2	132.9		53	55	-4.3	-4.4	-13.7
GEW-053	12/28/2016 8:31	46.5	36.1	0.0	17.4	130.5		50	51	-4.4	-4.5	-13.7
GEW-054	12/7/2016 14:49	52.1	39.4	0.1	8.4	137.1		54	52	-5.6	-5.6	-12.1
GEW-054	12/7/2016 14:56	51.9	39.2	0.3	8.6	137.0		43	50	-5.6	-5.6	-11.6
GEW-054	12/16/2016 13:39	51.9	37.0	0.0	11.1	139.9		0	0	2.3	2.2	2.3
GEW-054	12/16/2016 13:40	53.0	41.1	0.0	5.9	139.6		0	0	2.3	2.4	2.3
GEW-054	12/21/2016 8:38	52.7	40.0	0.0	7.3	87.2		0	0	2.4	2.4	2.4
GEW-054	12/21/2016 8:39	51.9	42.3	0.0	5.8	86.6		0	0	2.4	2.4	2.4

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Well Name	Date Sampled	Methane	CO <sub>2</sub>	O <sub>2</sub>	Balance Gas	Init Temp	Adj Temp	Init Flow	Adj Flow	Init Static Press	Adj Static Press	System Pressure
		(% vol)				°F		scfm		H <sub>2</sub> O		
GEW-054	12/22/2016 8:23	52.8	39.8	0.0	7.4	148.0		0	0	-6.6	-6.9	-10.8
GEW-054	12/22/2016 8:25	52.3	41.1	0.0	6.6	148.0		0	0	-6.3	-6.1	-8.7
GEW-054	12/28/2016 8:36	53.0	39.3	0.0	7.7	144.0		47	43	-3.0	-3.1	-4.8
GEW-054	12/28/2016 8:38	51.6	40.3	0.0	8.1	144.0		49	66	-3.5	-4.2	-5.5
GEW-055	12/7/2016 15:07	53.1	41.4	0.1	5.4	118.6		30	30	-0.4	-0.4	-10.3
GEW-055	12/7/2016 15:26	52.8	41.4	0.4	5.4	118.4		9	11	-0.6	-0.6	-10.5
GEW-055	12/16/2016 13:45	52.4	41.6	0.0	6.0	122.6		11	9	0.2	0.2	-7.8
GEW-055	12/16/2016 13:46	52.3	42.0	0.0	5.7	123.0		12	8	0.1	0.2	-8.0
GEW-055	12/21/2016 8:43	52.7	40.7	0.0	6.6	123.9		11	14	-0.8	-0.8	-9.0
GEW-055	12/21/2016 8:45	53.1	41.1	0.0	5.8	124.5		14	13	-0.7	-0.7	-8.7
GEW-055	12/28/2016 8:44	55.0	40.4	0.0	4.6	114.5		7	0	-0.6	-0.6	-2.6
GEW-056R	12/9/2016 9:35	13.7	50.0	0.0	36.3	84.6		2	0	-0.5	-0.5	-19.0
GEW-056R	12/9/2016 9:42	14.5	47.0	0.0	38.5	87.2		2	4	-0.5	-0.5	-19.1
GEW-056R	12/14/2016 15:32	13.9	49.3	0.0	36.8	79.7		3	2	-0.4	-0.4	-18.6
GEW-056R	12/21/2016 14:42	11.5	50.5	0.0	38.0	101.8		2	3	-0.2	-0.2	-17.8
GEW-056R	12/27/2016 14:38	11.6	55.2	0.0	33.2	96.9		3	1	-0.3	-0.3	-18.0
GEW-057B	12/23/2016 11:13	6.2	40.0	3.3	50.5	39.6		20	13	-10.8	-9.9	-10.7
GEW-057R	12/23/2016 11:16	0.9	38.9	2.2	58.0	40.0		6	4	-7.9	-8.1	-10.3
GEW-058	12/23/2016 11:20	8.0	39.0	4.3	48.7	65.4		11	11	-18.4	-18.1	-18.7
GEW-058A	12/23/2016 11:23	15.6	35.7	5.8	42.9	94.6		6	6	-11.8	-11.8	-15.4
GEW-058A	12/23/2016 11:25	17.2	32.1	5.8	44.9	92.9		6	5	-11.8	-11.8	-16.5
GEW-059R	12/29/2016 8:34	0.9	47.8	0.0	51.3	173.1		7	7	6.0	5.8	5.8
GEW-059R	12/29/2016 8:35	0.8	51.8	0.0	47.4	171.7		2	6	5.8	6.1	5.8
GEW-077	12/29/2016 8:25	0.5	45.6	0.5	53.4	83.4		NFD		-16.0	-15.9	-15.3
GEW-078R	12/31/2016 8:36	11.9	47.0	0.0	41.1	178.6		19	12	-16.6	-16.0	-16.4
GEW-078R	12/31/2016 8:37	10.4	51.1	0.0	38.5	178.6		17	16	-16.8	-16.4	-16.6
GEW-081	12/31/2016 8:45	0.9	43.3	0.0	55.8	193.0		NR	NR	1.4	1.4	1.4
GEW-081	12/31/2016 8:46	0.8	59.8	0.0	39.4	193.0		NR	NR	1.4	1.3	1.4
GEW-082R	12/28/2016 10:49	3.7	55.0	0.1	41.2	187.7		4	6	-6.3	-6.3	-6.3
GEW-082R	12/28/2016 10:50	3.7	54.7	0.0	41.6	187.4		5	6	-6.3	-6.3	-6.3
GEW-086	12/29/2016 9:07	8.1	19.1	11.6	61.2	71.4		35	29	-4.9	-5.2	-20.3
GEW-086	12/29/2016 9:08	8.1	24.0	11.4	56.5	71.4		19	40	-5.0	-4.4	-19.5
GEW-087	12/29/2016 9:19	2.6	47.2	0.6	49.6	188.8		NR	NR	-16.9	-16.9	-16.1
GEW-087	12/29/2016 9:19	2.3	60.7	3.0	34.0	191.2		NR	NR	-16.9	-16.3	-17.3
GEW-088	12/29/2016 9:13	10.4	30.6	8.8	50.2	110.6		61	59	-11.0	-11.0	-19.0
GEW-088	12/29/2016 9:15	10.2	33.6	8.7	47.5	110.6		25	25	-2.8	-2.9	-19.0
GEW-090	12/29/2016 15:21	10.2	48.3	0.0	41.5	154.5		10	12	-18.0	-18.6	-17.7
GEW-090	12/29/2016 15:22	12.1	49.2	0.0	38.7	152.6		13	16	-17.9	-18.6	-17.7
GEW-091	12/29/2016 15:16	5.7	56.0	0.0	38.3	192.6		14	16	-16.8	-15.9	-16.7
GEW-091	12/29/2016 15:17	4.1	58.5	0.0	37.4	193.2		19	26	-16.2	-16.8	-16.4
GEW-101	12/22/2016 13:29	7.6	42.0	8.9	41.5	69.1		35	60	-2.0	-2.6	-6.8
GEW-101	12/22/2016 13:30	7.5	42.2	9.0	41.3	68.8		43	23	-2.4	-1.9	-9.3
GEW-102	12/22/2016 13:43	7.2	51.3	0.3	41.2	192.3		NFD		-15.3	-15.7	-15.7

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Well Name	Date Sampled	Methane	CO <sub>2</sub>	O <sub>2</sub>	Balance Gas	Init Temp	Adj Temp	Init Flow	Adj Flow	Init Static Press	Adj Static Press	System Pressure
		(% vol)				°F		scfm		H <sub>2</sub> O		
GEW-102	12/22/2016 13:44	5.0	55.6	0.1	39.3	192.9		NFD		-14.3	-13.3	-14.3
GEW-105	12/23/2016 11:01	12.9	36.9	7.3	42.9	141.8		56	68	-20.2	-20.6	-13.3
GEW-106	12/29/2016 8:49	8.8	54.4	1.7	35.1	88.0		22	1	-16.7	-14.2	-19.8
GEW-107	12/29/2016 8:39	0.9	52.3	0.0	46.8	46.9		5	6	2.7	2.6	2.7
GEW-108	12/29/2016 8:53	0.1	10.5	21.0	68.4	44.5		4	5	9.1	9.1	8.8
GEW-108	12/29/2016 8:54	0.0	4.8	21.7	73.5	44.5		3	5	9.1	9.1	8.8
GEW-109	12/8/2016 14:09	24.6	46.9	0.0	28.5	66.1		3	6	-16.2	-16.2	-19.4
GEW-109	12/8/2016 14:20	23.9	48.6	0.0	27.5	65.5		4	4	-16.2	-16.2	-18.2
GEW-109	12/14/2016 12:05	27.2	39.8	0.0	33.0	72.0		4	3	-13.9	-14.0	-16.8
GEW-109	12/16/2016 14:23	24.3	43.1	0.0	32.6	44.3		4	4	-12.4	-12.3	-15.7
GEW-109	12/21/2016 14:12	23.2	43.1	0.0	33.7	78.2		2	5	-13.5	-13.5	-17.9
GEW-109	12/27/2016 13:41	23.2	44.2	0.0	32.6	78.5		4	2	-13.6	-13.7	-18.3
GEW-110	12/9/2016 9:04	2.1	27.9	11.5	58.5	37.5		4	4	-0.1	0.0	-19.2
GEW-110	12/9/2016 9:11	2.7	24.6	11.8	60.9	38.1		2	2	-0.1	-0.1	-19.1
GEW-110	12/14/2016 15:26	2.9	28.1	12.2	56.8	36.6		3	3	-0.1	-0.1	-18.4
GEW-110	12/14/2016 15:28	1.4	28.5	12.3	57.8	36.5		2	5	-0.1	-0.1	-18.3
GEW-110	12/21/2016 14:51	8.9	38.9	5.5	46.7	68.8		1	3	-0.1	-0.1	-17.9
GEW-110	12/21/2016 14:54	6.4	42.3	5.9	45.4	68.6		1	0	-0.1	-0.1	-17.8
GEW-110	12/27/2016 14:34	8.4	37.7	6.5	47.4	74.6		1	2	0.0	0.0	-17.8
GEW-110	12/27/2016 14:35	6.1	39.3	6.6	48.0	74.5		2	1	0.0	0.0	-17.6
GEW-113	12/6/2016 9:28	10.4	50.1	0.5	39.0	154.0		NFD		-4.4	-4.3	-18.2
GEW-113	12/6/2016 9:30	10.0	54.3	0.3	35.4	155.2		NFD		-4.4	-4.4	-18.6
GEW-117	12/9/2016 14:46	5.7	46.6	5.5	42.2	42.7		NFD		-18.7	-18.1	-18.7
GEW-117	12/9/2016 14:47	5.7	45.0	4.8	44.5	41.8		NFD		-17.5	-17.7	-17.6
GEW-118	12/9/2016 14:51	3.3	47.3	3.5	45.9	173.6		83	94	-8.0	-8.8	-15.9
GEW-118	12/9/2016 14:53	2.9	48.2	3.5	45.4	173.6		87	89	-8.5	-8.9	-16.7
GEW-120	12/9/2016 14:58	24.4	54.2	1.8	19.6	34.9		1	9	-14.3	-14.6	-14.3
GEW-120	12/14/2016 8:37	42.2	46.9	0.0	10.9	30.2		22	18	-11.7	-13.6	-12.4
GEW-120	12/29/2016 8:35	21.0	43.7	7.6	27.7	44.6		3	11	-11.0	-11.0	-11.5
GEW-120	12/29/2016 8:42	17.7	37.3	9.8	35.2	45.2		6	3	-11.3	-11.0	-11.6
GEW-121	12/9/2016 15:01	13.0	52.2	0.0	34.8	152.9		16	24	-15.6	-16.0	-15.2
GEW-121	12/9/2016 15:03	11.1	56.4	0.0	32.5	153.1		32	28	-17.0	-17.7	-18.2
GEW-121	12/14/2016 8:40	13.4	52.0	0.0	34.6	174.2		35	30	-15.7	-15.9	-16.8
GEW-121	12/14/2016 8:41	11.7	54.7	0.0	33.6	174.0		29	6	-16.2	-14.5	-17.1
GEW-121	12/28/2016 16:19	10.9	51.8	0.3	37.0	163.8		28	22	-14.6	-14.3	-16.0
GEW-121	12/28/2016 16:21	10.9	54.9	0.0	34.2	163.8		24	32	-15.3	-13.5	-15.7
GEW-122	12/14/2016 8:55	14.2	56.6	0.0	29.2	177.5		26	23	-16.2	-16.2	-16.6
GEW-122	12/14/2016 8:56	18.0	50.9	0.0	31.1	177.5		25	23	-16.2	-16.2	-17.1
GEW-122	12/28/2016 15:47	19.9	49.6	0.0	30.5	174.2		27	24	-14.0	-13.8	-14.9
GEW-122	12/28/2016 15:49	20.7	50.3	0.0	29.0	174.3		26	24	-14.3	-14.3	-14.7
GEW-123	12/9/2016 15:06	6.9	52.2	0.5	40.4	40.1		6	7	-18.7	-18.1	-18.7
GEW-123	12/14/2016 8:43	2.2	40.4	12.1	45.3	40.5		4	1	-17.2	-17.2	-17.2
GEW-123	12/14/2016 8:45	0.3	27.5	15.8	56.4	41.5		6	7	-17.2	-17.2	-17.1

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Well Name	Date Sampled	Methane	CO <sub>2</sub>	O <sub>2</sub>	Balance Gas	Init Temp	Adj Temp	Init Flow	Adj Flow	Init Static Press	Adj Static Press	System Pressure
		(% vol)				°F		scfm		H <sub>2</sub> O		
GEW-123	12/28/2016 16:06	1.8	29.5	18.1	50.6	56.5		8	3	-15.7	-16.2	-15.7
GEW-123	12/28/2016 16:09	0.1	7.0	21.2	71.7	55.5		1	7	-15.3	-15.7	-15.7
GEW-124	12/14/2016 8:50	2.9	58.3	0.0	38.8	32.4		7	7	13.2	13.7	-16.6
GEW-124	12/14/2016 8:52	3.7	60.4	0.0	35.9	35.5		19	2	6.8	-12.3	-16.5
GEW-125	12/14/2016 8:59	5.7	46.0	0.0	48.3	191.6		30	30	-17.2	-16.7	-17.1
GEW-125	12/14/2016 9:00	2.2	58.2	0.0	39.6	191.6		22	23	-16.7	-16.7	-17.3
GEW-125	12/28/2016 15:27	2.6	57.1	0.0	40.3	180.3		27	10	-14.8	-15.2	-14.9
GEW-125	12/28/2016 15:28	2.4	58.7	0.0	38.9	180.8		18	17	-15.3	-15.1	-15.4
GEW-126	12/14/2016 9:03	18.8	57.2	0.0	24.0	163.8		5	8	-16.2	-15.9	-17.8
GEW-126	12/14/2016 9:03	19.3	56.0	0.0	24.7	164.7		6	5	-16.2	-16.2	-17.2
GEW-126	12/28/2016 15:16	17.0	50.4	0.2	32.4	157.5		4	9	-12.9	-12.9	-14.3
GEW-126	12/28/2016 15:18	22.8	52.2	0.0	25.0	158.3		9	7	-14.8	-14.3	-14.9
GEW-127	12/14/2016 9:09	6.1	53.7	1.8	38.4	179.2		17	29	-17.2	-16.7	-15.8
GEW-127	12/14/2016 9:10	4.8	57.9	1.6	35.7	179.2		29	25	-16.7	-16.8	-17.4
GEW-127	12/28/2016 14:53	4.6	55.6	2.3	37.5	173.1		27	17	-12.9	-12.4	-13.3
GEW-127	12/28/2016 14:55	4.4	57.5	2.3	35.8	172.7		29	25	-14.5	-13.5	-14.9
GEW-128	12/14/2016 9:12	6.9	61.6	0.0	31.5	174.2		23	22	-14.2	-14.2	-16.9
GEW-128	12/14/2016 9:13	7.3	63.9	0.0	28.8	174.2		20	25	-13.8	-13.9	-17.1
GEW-128	12/28/2016 14:44	7.0	56.4	0.1	36.5	166.4		24	26	-12.3	-12.3	-15.5
GEW-128	12/28/2016 14:45	6.9	62.2	0.0	30.9	166.9		26	26	-13.8	-13.8	-15.6
GEW-129	12/14/2016 9:15	3.3	59.2	0.0	37.5	170.5		21	27	-16.7	-16.7	-16.5
GEW-129	12/14/2016 9:16	2.4	63.6	0.0	34.0	170.6		14	23	-16.8	-17.4	-17.5
GEW-129	12/28/2016 14:35	1.2	39.3	8.4	51.1	53.7		12	8	-15.3	-15.3	-15.4
GEW-129	12/28/2016 14:41	1.6	46.1	4.8	47.5	54.9		3	4	-14.8	-14.9	-15.7
GEW-130	12/14/2016 9:20	0.6	28.0	2.3	69.1	185.7		65	59	-14.5	-14.5	-16.3
GEW-130	12/14/2016 9:21	4.8	55.7	1.5	38.0	185.7		36	55	-13.3	-14.8	-14.1
GEW-130	12/28/2016 14:59	0.3	56.2	0.0	43.5	189.6		41	24	1.0	1.2	0.4
GEW-130	12/28/2016 15:01	0.2	57.9	0.0	41.9	190.2		36	27	1.1	1.1	0.4
GEW-131	12/14/2016 9:24	5.0	50.6	0.2	44.2	40.8		NFD		0.2	0.2	0.1
GEW-131	12/14/2016 9:25	5.5	50.4	0.1	44.0	42.8		NFD		0.2	0.2	0.0
GEW-131	12/28/2016 15:06	11.2	49.8	0.0	39.0	55.9		NFD		1.3	1.3	1.5
GEW-131	12/28/2016 15:07	11.4	49.5	0.0	39.1	55.6		NFD		1.3	1.3	1.4
GEW-132	12/14/2016 9:28	10.8	42.5	3.5	43.2	157.7		12	12	-2.0	-2.0	-15.7
GEW-132	12/14/2016 9:29	11.3	39.8	3.5	45.4	158.3		11	10	-2.0	-2.0	-17.7
GEW-132	12/29/2016 8:29	7.8	30.1	9.1	53.0	152.1		3	2	-1.9	-1.8	-13.3
GEW-132	12/29/2016 8:31	7.5	32.3	8.9	51.3	147.0		13	12	-0.9	-0.9	-15.8
GEW-133	12/14/2016 9:32	3.4	29.8	17.9	48.9	35.9		3	4	-1.8	-1.9	-17.4
GEW-133	12/14/2016 9:33	0.2	9.0	20.5	70.3	38.4		2	6	-3.5	-3.5	-17.2
GEW-133	12/29/2016 8:46	0.9	16.9	21.1	61.1	45.9		6	4	-4.0	-4.0	-17.8
GEW-133	12/29/2016 8:48	0.1	4.8	22.6	72.5	46.0		6	3	-4.9	-4.9	-17.4
GEW-134	12/14/2016 9:36	10.6	39.9	5.0	44.5	120.5		18	17	-7.4	-7.4	-18.5
GEW-134	12/29/2016 8:51	11.9	39.3	5.7	43.1	101.8		12	13	-4.2	-4.2	-17.8
GEW-134	12/29/2016 8:53	11.5	40.8	5.5	42.2	90.5		3	4	-1.0	-1.0	-17.4

December 2016 Wellfield Monitoring Data - Bridgeton Landfill

Well Name	Date Sampled	Methane	CO <sub>2</sub>	O <sub>2</sub>	Balance Gas	Init Temp	Adj Temp	Init Flow	Adj Flow	Init Static Press	Adj Static Press	System Pressure
		(% vol)				°F		scfm		H <sub>2</sub> O		
GEW-135	12/14/2016 9:38	1.4	43.8	3.3	51.5	40.8		10	6	-17.7	-17.6	-17.5
GEW-135	12/29/2016 8:59	2.1	24.2	19.3	54.4	47.0		7	4	-17.0	-17.2	-17.5
GEW-135	12/29/2016 9:00	0.1	5.5	22.8	71.6	47.3		4	4	-17.2	-17.2	-17.5
GEW-136	12/14/2016 9:41	3.3	37.4	8.6	50.7	103.8		6	12	-0.8	-0.8	-14.6
GEW-136	12/14/2016 9:42	3.6	30.3	9.0	57.1	104.5		9	9	-0.8	-0.8	-15.4
GEW-136	12/29/2016 9:11	3.8	30.7	7.9	57.6	86.8		9	3	-0.9	-0.8	-13.6
GEW-136	12/29/2016 9:12	3.8	29.3	8.1	58.8	87.0		4	11	-0.8	-0.8	-13.0
GEW-137	12/14/2016 9:44	12.7	31.6	1.7	54.0	49.8		4	3	-14.7	-14.8	-17.0
GEW-137	12/29/2016 9:16	12.1	31.7	1.6	54.6	53.9		3	5	-11.5	-11.4	-16.8
GEW-137	12/29/2016 9:17	13.3	30.1	1.5	55.1	55.2		10	6	-16.3	-16.3	-16.9
GEW-138	12/14/2016 9:46	6.4	26.8	7.5	59.3	149.5		35	25	-3.7	-5.5	-17.0
GEW-138	12/14/2016 9:47	3.7	25.0	7.8	63.5	149.8		37	28	-4.9	-4.3	-17.1
GEW-138	12/29/2016 9:20	4.8	24.3	8.2	62.7	113.3		18	28	-4.9	-5.9	-18.3
GEW-138	12/29/2016 9:22	3.2	21.9	8.5	66.4	99.9		7	4	-0.2	-0.2	-17.5
GEW-139	12/14/2016 9:53	3.6	37.9	5.9	52.6	164.3		28	25	-9.4	-9.9	-15.7
GEW-139	12/14/2016 9:54	3.2	41.6	5.7	49.5	164.3		31	27	-9.7	-9.9	-15.9
GEW-139	12/30/2016 10:28	4.3	44.4	3.8	47.5	125.8		21	24	-10.1	-10.7	-14.2
GEW-140	12/14/2016 9:50	5.0	24.9	10.1	60.0	135.3		18	20	-7.4	-7.4	-17.1
GEW-140	12/14/2016 9:51	5.7	30.4	9.9	54.0	135.0		16	18	-7.8	-7.8	-17.1
GEW-140	12/29/2016 9:32	6.1	25.5	11.5	56.9	116.6		19	23	-5.7	-5.9	-16.9
GEW-140	12/29/2016 9:34	5.7	28.5	11.3	54.5	111.0		17	13	-2.7	-2.7	-17.8
GEW-140	12/30/2016 9:46	0.6	55.5	1.0	42.9	46.2		4	14	-11.5	-11.8	-11.5
GEW-141	12/14/2016 9:57	2.0	45.6	0.1	52.3	175.3		21	20	-5.5	-5.5	-12.5
GEW-141	12/14/2016 9:58	2.7	62.4	0.0	34.9	176.0		21	22	-5.5	-5.5	-12.7
GEW-142	12/14/2016 12:21	0.1	17.4	16.4	66.1	36.0		5	7	-10.8	-10.8	-10.5
GEW-142	12/14/2016 12:22	0.1	23.2	15.3	61.4	36.8		9	4	-9.4	-9.4	-9.4
GEW-143	12/14/2016 10:00	0.7	40.0	14.1	45.2	43.0		15	14	-13.8	-13.8	-17.1
GEW-143	12/14/2016 10:01	0.2	22.7	13.2	63.9	43.8		1	7	-16.7	-16.7	-16.8
GEW-143	12/14/2016 9:43	0.2	33.0	15.9	50.9	47.9		2	3	-11.8	-11.8	-17.7
GEW-143	12/29/2016 9:44	0.1	19.1	16.7	64.1	48.5		6	5	-12.1	-11.9	-17.7
GEW-144	12/14/2016 10:03	0.0	21.5	12.3	66.2	57.5		9	10	-15.7	-13.3	-15.4
GEW-144	12/14/2016 10:05	1.2	44.2	5.1	49.5	62.1		15	27	-12.8	-13.7	-13.5
GEW-144	12/29/2016 9:48	3.1	33.5	11.6	51.8	55.2		6	8	-10.8	-10.5	-11.0
GEW-144	12/29/2016 9:50	3.3	33.7	11.5	51.5	56.0		15	16	-11.9	-12.1	-12.3
GEW-145	12/14/2016 10:08	1.4	55.0	0.4	43.2	148.0		17	9	-11.3	-11.8	-11.0
GEW-145	12/14/2016 10:08	1.4	54.4	0.2	44.0	149.9		11	9	-18.6	-18.6	-18.5
GEW-145	12/29/2016 10:58	1.8	56.7	0.1	41.4	86.9		3	7	-11.9	-12.0	-12.6
GEW-145	12/29/2016 10:59	1.6	57.5	0.0	40.9	86.0		7	7	-12.0	-12.0	-12.6
GEW-146	12/14/2016 10:20	1.3	32.0	16.8	49.9	73.6		4	13	-0.2	-0.2	-17.3
GEW-146	12/14/2016 10:21	1.8	10.5	19.3	68.4	73.4		12	10	-0.2	-0.2	-17.5
GEW-146	12/29/2016 9:56	1.8	21.0	18.2	59.0	68.9		7	14	-0.3	-0.3	-18.5
GEW-146	12/29/2016 9:58	1.7	5.8	20.4	72.1	69.0		12	9	-0.4	-0.3	-18.5
GEW-147	12/14/2016 10:24	5.8	18.9	0.5	74.8	165.6		12	13	-10.8	-10.8	-17.6



December 2016 Wellfield Monitoring Data - Bridgeton Landfill

Well Name	Date Sampled	Methane	CO <sub>2</sub>	O <sub>2</sub>	Balance Gas	Init Temp	Adj Temp	Init Flow	Adj Flow	Init Static Press	Adj Static Press	System Pressure
		(% vol)				°F		scfm		H <sub>2</sub> O		
GEW-147	12/14/2016 10:25	15.6	51.5	0.0	32.9	165.7		13	12	-10.8	-10.8	-17.6
GEW-147	12/29/2016 9:05	13.7	51.3	0.1	34.9	168.5		15	12	-8.9	-8.9	-18.2
GEW-147	12/29/2016 9:07	12.5	53.8	0.0	33.7	169.5		20	21	-14.6	-14.8	-18.0
GEW-148	12/14/2016 10:29	1.0	22.9	19.3	56.8	38.1		11	11	-17.2	-16.4	-17.5
GEW-148	12/14/2016 10:30	0.2	8.6	21.5	69.7	39.8		14	11	-17.6	-17.2	-17.5
GEW-148	12/29/2016 11:15	0.0	0.3	21.1	78.6	52.1		10	10	-16.3	-16.3	-16.5
GEW-148	12/29/2016 11:16	0.0	0.2	21.1	78.7	52.1		18	7	-16.2	-16.2	-17.2
GEW-149	12/14/2016 10:33	10.3	24.3	7.1	58.3	153.5		15	24	-0.7	-0.7	-18.6
GEW-149	12/14/2016 10:34	10.4	33.7	6.5	49.4	153.7		12	22	-0.8	-1.1	-18.9
GEW-149	12/30/2016 9:34	15.0	39.8	3.7	41.5	141.0		23	20	-0.7	-1.1	-18.8
GEW-149	12/30/2016 9:36	14.6	43.1	3.4	38.9	140.6		25	27	-0.4	-0.6	-18.8
GEW-150	12/14/2016 10:54	9.1	31.6	4.1	55.2	171.0		1	5	-0.9	-1.0	-19.6
GEW-150	12/14/2016 10:55	10.4	49.6	3.6	36.4	171.0		6	7	-0.9	-0.9	-18.6
GEW-150	12/30/2016 7:55	9.7	46.9	5.1	38.3	152.9		6	9	-1.0	-1.0	-18.5
GEW-150	12/30/2016 7:57	9.2	48.6	4.7	37.5	148.7		7	6	-0.8	-0.8	-18.7
GEW-151	12/14/2016 10:37	4.8	39.4	0.0	55.8	37.4		16	3	-17.2	-17.6	-17.2
GEW-151	12/30/2016 10:21	2.3	35.2	7.5	55.0	52.3		9	9	-16.5	-16.5	-16.8
GEW-151	12/30/2016 10:22	2.1	46.7	8.6	42.6	52.4		5	9	-16.4	-14.8	-16.8
GEW-152	12/14/2016 10:46	10.5	38.6	15.8	35.1	35.3		9	4	-18.1	-18.1	-17.9
GEW-152	12/14/2016 10:47	1.9	13.7	19.8	64.6	36.4		4	4	-18.7	-18.2	-18.5
GEW-152	12/30/2016 8:50	0.1	4.0	22.7	73.2	45.6		13	11	-11.1	-12.1	-12.0
GEW-152	12/30/2016 8:52	0.0	1.9	23.0	75.1	44.6		2	2	-9.1	-9.1	-13.0
GEW-153	12/14/2016 10:43	25.4	47.5	0.0	27.1	60.0		9	7	1.3	1.3	1.0
GEW-153	12/14/2016 10:44	28.7	48.1	0.0	23.2	58.7		6	4	1.4	1.4	1.0
GEW-153	12/30/2016 8:56	1.1	34.4	0.2	64.3	49.2		9	7	6.5	6.5	5.8
GEW-153	12/30/2016 8:57	0.9	52.1	0.0	47.0	50.7		5	13	6.5	6.3	5.8
GEW-154	12/14/2016 10:40	5.5	43.8	4.4	46.3	34.9		6	12	-17.2	-16.7	-16.2
GEW-154	12/30/2016 9:12	0.3	8.3	21.9	69.5	43.0		10	6	-17.6	-17.9	-18.0
GEW-154	12/30/2016 9:13	0.1	2.7	22.8	74.4	42.4		12	8	-18.2	-17.9	-19.3
GEW-155	12/14/2016 12:17	0.9	5.3	12.2	81.6	116.0		19	28	-2.1	-2.3	-16.8
GEW-155	12/14/2016 12:18	1.2	12.7	11.3	74.8	116.4		6	30	-2.2	-2.1	-16.9
GEW-155	12/29/2016 8:23	2.2	21.1	12.1	64.6	110.2		30	21	-2.0	-2.1	-17.3
GEW-155	12/29/2016 8:24	1.3	14.3	12.7	71.7	106.7		18	14	-0.8	-1.0	-17.5
GEW-156	12/14/2016 10:50	6.9	10.9	14.0	68.2	86.4		4	5	-0.6	-0.6	-18.0
GEW-156	12/14/2016 10:51	8.6	16.7	13.3	61.4	87.0		6	7	-0.6	-0.6	-18.5
GEW-156	12/30/2016 7:48	10.5	30.0	11.4	48.1	77.3		6	7	-0.4	-0.4	-17.7
GEW-156	12/30/2016 7:50	11.4	27.3	11.5	49.8	78.0		8	8	-0.4	-0.4	-18.0
GEW-157	12/14/2016 11:01	0.6	37.4	16.8	45.2	38.3		7	6	-13.2	-13.1	-13.0
GEW-157	12/14/2016 11:02	0.1	12.2	20.8	66.9	40.2		2	13	-13.2	-12.4	-13.1
GEW-157	12/30/2016 8:18	0.6	9.7	20.1	69.6	46.8		8	7	-0.6	-0.4	-0.9
GEW-157	12/30/2016 8:20	0.3	7.7	20.0	72.0	47.3		4	4	-0.7	-0.7	-0.9
GEW-158	12/14/2016 10:58	1.5	50.3	2.0	46.2	39.5		12	13	-18.6	-18.5	-18.3

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Well Name	Date Sampled	Methane	CO <sub>2</sub>	O <sub>2</sub>	Balance Gas	Init Temp	Adj Temp	Init Flow	Adj Flow	Init Static Press	Adj Static Press	System Pressure
		(% vol)				°F		scfm		H <sub>2</sub> O		
GEW-158	12/30/2016 8:12	0.9	23.2	19.8	56.1	39.3		5	6	-18.2	-18.2	-18.7
GEW-158	12/30/2016 8:14	0.6	14.1	20.9	64.4	39.8		5	4	-15.9	-15.9	-19.0
GEW-159	12/14/2016 11:08	0.1	1.8	22.1	76.0	39.8		3	6	34.8	25.5	-9.2
GEW-159	12/14/2016 11:09	0.3	1.0	22.1	76.6	41.7		7	6	34.7	-2.3	-9.0
GEW-159	12/30/2016 9:04	1.4	11.4	14.4	72.8	49.1		4	4	5.8	5.5	-9.9
GEW-159	12/30/2016 9:06	1.2	10.0	15.7	73.1	45.5		6	6	-6.4	-6.7	-10.4
GEW-160	12/14/2016 11:11	0.7	4.6	0.7	94.0	43.1		18	14	-7.4	-6.9	-7.2
GEW-160	12/30/2016 9:18	5.8	55.9	0.0	38.3	49.1		11	12	-8.0	-8.1	-8.5
GEW-160	12/30/2016 9:19	5.5	54.9	0.0	39.6	49.6		21	17	-7.8	-7.9	-8.4
GEW-161	12/14/2016 11:13	2.6	35.4	15.6	46.4	35.1		14	13	-7.8	-7.8	-7.8
GEW-161	12/14/2016 11:15	0.5	12.7	17.9	68.9	35.9		3	2	-6.9	-6.9	-7.1
GEW-161	12/30/2016 9:22	0.8	56.8	0.0	42.4	41.9		3	4	19.3	19.3	-8.4
GEW-161	12/30/2016 9:24	0.5	58.2	0.0	41.3	44.6		11	9	-5.0	-5.1	-7.7
GEW-162	12/14/2016 11:17	4.2	23.7	0.9	71.2	112.7		15	11	-17.7	-18.1	-17.7
GEW-162	12/30/2016 9:27	0.1	36.1	18.1	45.7	42.8		5	11	-17.9	-17.9	-17.8
GEW-162	12/30/2016 9:30	0.0	11.1	21.8	67.1	43.4		4	8	-17.9	-17.9	-18.3
GEW-163	12/6/2016 14:11	2.1	62.6	0.1	35.2	186.8		9	16	-0.3	-0.3	-8.9
GEW-163	12/6/2016 14:12	2.0	65.5	0.0	32.5	187.0		19	27	-0.5	-0.5	-8.9
GEW-163	12/14/2016 12:02	5.5	48.7	8.1	37.7	185.7		6	29	-0.5	-0.5	-14.6
GEW-163	12/14/2016 12:03	3.0	42.1	8.7	46.2	185.7		0	7	-0.7	-0.6	-14.6
GEW-163	12/22/2016 11:03	2.7	49.4	3.7	44.2	184.5		27	29	-0.3	-0.3	-11.4
GEW-163	12/22/2016 11:04	2.6	51.9	3.6	41.9	185.1		31	27	-0.5	-0.6	-11.8
GEW-163	12/28/2016 16:13	3.4	22.7	14.1	59.8	150.5		113	128	-8.5	-8.6	-13.5
GEW-163	12/28/2016 16:15	3.6	22.7	14.1	59.6	150.1		22	22	-0.5	-0.5	-13.8
GEW-164	12/6/2016 13:46	12.3	60.4	0.7	26.6	152.9		20	18	-12.0	-12.1	-11.9
GEW-164	12/6/2016 13:47	12.2	61.1	0.6	26.1	152.5		20	25	-11.3	-11.2	-11.2
GEW-164	12/14/2016 11:59	10.1	46.0	2.5	41.4	163.3		15	11	-16.7	-16.7	-16.4
GEW-164	12/14/2016 12:00	11.7	56.2	2.2	29.9	163.3		33	25	-16.7	-16.7	-16.3
GEW-164	12/22/2016 10:57	8.7	40.9	8.8	41.6	108.2		86	89	-10.5	-10.6	-15.4
GEW-164	12/22/2016 10:59	9.7	37.9	8.9	43.5	108.4		84	89	-10.3	-10.3	-15.7
GEW-164	12/28/2016 16:01	10.0	38.0	9.3	42.7	129.9		98	103	-7.7	-7.6	-15.5
GEW-164	12/28/2016 16:04	10.5	44.5	7.0	38.0	139.7		38	34	-0.6	-0.6	-16.0
GEW-165	12/6/2016 14:17	5.4	64.1	0.0	30.5	173.1		22	25	-14.6	-15.0	-14.4
GEW-165	12/6/2016 14:19	5.0	67.3	0.0	27.7	169.0		27	23	-14.1	-14.5	-14.4
GEW-165	12/14/2016 11:50	4.1	58.1	0.0	37.8	194.6		7	7	-16.2	-15.9	-15.9
GEW-165	12/14/2016 11:51	4.7	63.5	0.0	31.8	195.0		16	28	-16.2	-16.2	-15.9
GEW-165	12/22/2016 10:35	4.1	59.1	0.0	36.8	172.1		10	27	-14.8	-14.8	-14.8
GEW-165	12/22/2016 10:36	4.0	61.9	0.0	34.1	170.5		0	13	-14.8	-14.8	-14.8
GEW-165	12/28/2016 15:32	2.2	57.2	0.0	40.6	181.9		17	16	-14.8	-14.8	-15.1
GEW-165	12/28/2016 15:33	3.2	62.9	0.0	33.9	181.9		20	19	-14.8	-14.8	-14.8
GEW-166	12/6/2016 14:23	2.7	35.4	9.6	52.3	155.0		20	30	-13.7	-14.5	-13.7
GEW-166	12/6/2016 14:26	2.8	33.5	9.8	53.9	156.0		32	25	-11.6	-14.0	-13.2
GEW-166	12/14/2016 11:53	2.9	48.9	9.2	39.0	170.0		39	33	-15.3	-15.2	-16.9

December 2016 Wellfield Monitoring Data - Bridgeton Landfill

Well Name	Date Sampled	Methane	CO <sub>2</sub>	O <sub>2</sub>	Balance Gas	Init Temp	Adj Temp	Init Flow	Adj Flow	Init Static Press	Adj Static Press	System Pressure
		(% vol)				°F		scfm		H <sub>2</sub> O		
GEW-166	12/14/2016 11:54	1.9	29.6	10.7	57.8	169.5		41	31	-15.3	-15.2	-17.2
GEW-166	12/22/2016 10:40	1.6	42.2	10.0	46.2	155.6		34	42	-13.5	-13.7	-15.4
GEW-166	12/22/2016 10:42	1.5	28.6	11.5	58.4	155.6		34	33	-12.3	-12.3	-15.7
GEW-166	12/28/2016 15:37	3.7	40.6	6.3	49.4	167.3		30	29	-11.8	-11.5	-15.4
GEW-166	12/28/2016 15:39	3.7	38.9	6.3	51.1	167.8		32	30	-9.4	-9.4	-15.7
GEW-167	12/6/2016 14:30	3.9	41.4	6.4	48.3	172.1		17	16	-0.5	-0.5	-15.8
GEW-167	12/6/2016 14:32	3.8	42.7	6.4	47.1	172.6		10	8	-0.6	-0.6	-15.1
GEW-167	12/14/2016 11:56	2.7	30.5	8.6	58.2	179.7		32	30	-0.9	-1.0	-16.2
GEW-167	12/14/2016 11:57	2.9	34.0	8.3	54.8	179.7		35	35	-1.0	-1.1	-16.3
GEW-167	12/22/2016 10:46	3.3	35.3	7.3	54.1	164.5		67	66	-0.7	-0.7	-15.5
GEW-167	12/22/2016 10:53	2.6	42.0	4.9	50.5	169.0		39	40	-1.0	-1.1	-14.9
GEW-167	12/28/2016 15:42	2.7	45.6	2.9	48.8	180.3		11	14	-0.4	-0.4	-12.8
GEW-167	12/28/2016 15:43	2.5	48.5	2.9	46.1	180.3		25	26	-0.5	-0.5	-13.2
GEW-168	12/6/2016 14:37	3.5	46.1	6.5	43.9	148.4		11	7	-13.5	-13.2	-14.4
GEW-168	12/6/2016 14:38	3.9	48.9	5.7	41.5	147.7		11	9	-12.6	-12.6	-14.4
GEW-168	12/14/2016 11:47	3.3	50.9	0.8	45.0	177.3		144	145	-10.4	-10.3	-16.8
GEW-168	12/14/2016 11:48	4.2	57.6	0.7	37.5	177.5		137	142	-10.4	-10.4	-16.0
GEW-168	12/22/2016 10:29	4.4	55.5	0.6	39.5	163.3		135	125	-8.8	-8.8	-14.0
GEW-168	12/22/2016 10:30	4.7	58.5	0.3	36.5	163.8		136	135	-8.8	-8.8	-14.3
GEW-168	12/28/2016 15:22	4.9	55.6	0.5	39.0	174.1		153	152	-8.3	-8.4	-15.2
GEW-168	12/28/2016 15:23	4.8	58.3	0.5	36.4	174.6		150	153	-8.0	-8.2	-14.8
GEW-169	12/6/2016 14:42	2.4	45.1	7.4	45.1	169.0		26	25	-2.7	-2.7	-15.1
GEW-169	12/6/2016 14:44	2.3	46.4	7.3	44.0	168.5		22	20	-2.8	-2.8	-15.7
GEW-169	12/14/2016 11:44	3.4	39.8	9.4	47.4	173.1		17	18	-5.5	-5.5	-16.6
GEW-169	12/14/2016 11:45	3.0	38.8	9.5	48.7	173.1		24	23	-5.6	-5.8	-16.8
GEW-169	12/22/2016 10:23	3.2	54.8	0.0	42.0	179.2		36	36	-1.1	-1.1	-16.6
GEW-169	12/22/2016 10:25	2.4	62.0	0.0	35.6	178.0		43	45	-4.7	-4.7	-15.1
GEW-169	12/28/2016 15:12	5.4	50.4	4.1	40.1	185.0		53	58	-4.7	-4.7	-15.1
GEW-170	12/14/2016 11:41	2.8	49.6	8.3	39.3	165.2		54	57	-7.4	-7.4	-16.9
GEW-170	12/14/2016 11:42	4.4	43.8	8.5	43.3	165.5		50	55	-7.4	-7.4	-17.1
GEW-170	12/28/2016 14:48	4.6	50.2	6.5	38.7	159.6		61	63	-6.5	-6.4	-16.1
GEW-170	12/28/2016 14:50	4.9	47.0	6.5	41.6	160.8		59	53	-4.6	-4.6	-15.3
GEW-171	12/14/2016 12:24	1.3	41.4	0.8	56.5	129.9		11	21	-13.7	-14.2	-13.6
GEW-172	12/14/2016 11:35	0.8	47.0	0.8	51.4	43.8		25	14	-9.9	-10.3	-7.6
GEW-172	12/29/2016 9:39	0.5	41.5	2.8	55.2	52.1		13	8	-7.5	-7.6	-5.9
GEW-173	12/14/2016 11:32	3.7	19.6	13.4	63.3	86.8		39	41	-0.8	-0.8	-17.8
GEW-173	12/14/2016 11:33	4.1	14.8	13.9	67.2	86.5		42	46	-0.8	-0.8	-17.6
GEW-173	12/29/2016 9:26	3.2	18.4	14.7	63.7	97.2		34	37	-0.7	-0.7	-18.0
GEW-173	12/29/2016 9:28	3.5	14.6	15.2	66.7	98.3		39	33	-0.7	-0.7	-18.8
GEW-174	12/14/2016 11:29	6.9	38.2	10.3	44.6	159.4		59	65	-1.8	-1.8	-15.3
GEW-174	12/14/2016 11:29	3.8	26.3	11.3	58.6	158.5		40	43	-1.8	-1.7	-15.4
GEW-174	12/30/2016 8:42	3.8	15.5	12.0	68.7	152.1		73	50	-1.4	-1.4	-12.0
GEW-174	12/30/2016 8:43	3.7	26.3	11.0	59.0	153.3		38	30	-0.6	-0.6	-14.4

December 2016 Wellfield Monitoring Data - Bridgeton Landfill

Well Name	Date Sampled	Methane	CO <sub>2</sub>	O <sub>2</sub>	Balance Gas	Init Temp	Adj Temp	Init Flow	Adj Flow	Init Static Press	Adj Static Press	System Pressure
		(% vol)				°F		scfm		H <sub>2</sub> O		
GEW-175	12/14/2016 11:24	21.4	48.9	2.0	27.7	142.9		46	34	-0.7	-0.7	-19.7
GEW-175	12/14/2016 11:25	20.3	52.1	1.8	25.8	143.2		56	42	-0.8	-0.8	-18.6
GEW-175	12/30/2016 8:00	17.5	49.6	2.4	30.5	135.9		54	51	-0.7	-0.7	-19.2
GEW-175	12/30/2016 8:02	19.8	51.0	2.3	26.9	136.2		57	60	-1.2	-1.2	-19.5
GEW-176	12/14/2016 11:22	19.8	48.6	2.5	29.1	123.7		16	14	-0.5	-0.5	-19.1
GEW-176	12/30/2016 8:06	21.9	49.2	2.5	26.4	110.9		15	14	-0.7	-0.8	-19.1
GEW-176	12/30/2016 8:07	22.2	50.3	2.4	25.1	114.5		23	24	-0.9	-1.1	-20.3
GEW-177	12/14/2016 11:38	0.2	53.8	5.5	40.5	39.8		6	16	-14.8	-14.3	-14.9
GEW-177	12/14/2016 11:39	0.1	52.6	4.4	42.9	40.8		21	20	-15.2	-14.8	-15.0
GEW-177	12/28/2016 14:29	0.7	52.2	2.9	44.2	54.7		18	11	-15.4	-15.9	-15.3
GEW-1A	12/16/2016 9:45	1.3	10.9	19.5	68.3	26.8		6	7	-9.2	-9.1	-13.7
GEW-1A	12/16/2016 9:47	0.3	4.5	21.0	74.2	26.7		3	5	-9.6	-9.6	-13.6
GEW-1A	12/21/2016 9:46	0.6	5.1	20.7	73.6	46.5		3	3	-7.9	-7.9	-13.3
GEW-1A	12/21/2016 9:48	0.2	1.4	21.5	76.9	46.4		2	1	-8.3	-8.3	-13.3
GEW-1A	12/28/2016 9:34	2.4	14.1	19.4	64.1	49.1		4	5	-8.3	-8.2	-12.9
GEW-1A	12/28/2016 9:36	0.6	4.9	21.1	73.4	48.4		5	3	-7.5	-7.5	-12.9
GEW-2S	12/16/2016 9:56	56.2	40.7	0.0	3.1	26.9		16	2	-9.6	-9.4	-13.8
GEW-2S	12/21/2016 9:56	57.1	39.3	0.2	3.4	48.2		4	0	-11.4	-11.5	-13.3
GEW-2S	12/28/2016 9:45	58.3	38.5	0.0	3.2	45.9		6	21	-8.5	-8.5	-13.3
GIW-01	12/8/2016 8:54	5.1	62.3	0.4	32.2	151.3		13	16	-6.3	-5.9	-20.6
GIW-01	12/8/2016 9:06	5.2	60.8	0.6	33.4	147.7		14	14	-6.4	-5.9	-20.3
GIW-01	12/14/2016 15:37	13.5	54.3	1.4	30.8	157.8		10	9	-11.8	-10.9	-18.6
GIW-01	12/14/2016 15:39	12.2	57.2	1.0	29.6	158.0		3	3	-12.3	-12.3	-18.6
GIW-01	12/21/2016 15:03	6.4	52.8	0.0	40.8	174.2		9	10	-2.3	-2.3	-18.8
GIW-01	12/21/2016 15:04	4.0	62.6	0.0	33.4	174.7		9	9	-2.1	-2.1	-18.7
GIW-01	12/27/2016 14:11	10.5	53.4	0.3	35.8	174.6		12	12	-2.6	-2.6	-18.4
GIW-02	12/8/2016 9:15	3.7	67.1	0.0	29.2	28.2		7	6	-0.1	-0.1	-19.8
GIW-02	12/8/2016 9:28	3.8	67.3	0.0	28.9	28.6		7	5	-0.1	-0.1	-19.7
GIW-02	12/14/2016 15:43	5.4	62.3	0.1	32.2	30.9		5	3	0.0	0.0	-18.8
GIW-02	12/21/2016 15:08	5.1	61.9	0.0	33.0	56.7		4	3	0.1	0.1	-18.1
GIW-02	12/21/2016 15:09	5.4	63.5	0.0	31.1	56.0		4	3	-0.1	-0.1	-17.9
GIW-02	12/27/2016 14:17	12.8	56.0	1.5	29.7	59.1		2	3	-0.1	-0.1	-18.1
GIW-03	12/8/2016 9:45	1.4	52.8	3.3	42.5	36.0		4	4	-0.7	-0.6	-11.6
GIW-03	12/8/2016 9:52	1.2	55.8	3.6	39.4	36.3		5	5	-0.6	-0.6	-11.9
GIW-03	12/14/2016 15:50	1.2	66.0	0.0	32.8	29.6		8	8	-2.0	-1.9	-9.9
GIW-03	12/21/2016 15:13	2.5	56.4	2.4	38.7	56.7		4	2	-0.8	-0.8	-8.3
GIW-03	12/27/2016 14:21	9.3	50.7	1.5	38.5	61.1		2	2	-0.2	-0.2	-7.7
GIW-04	12/8/2016 9:59	1.1	54.1	0.4	44.4	33.8		2	2	-7.0	-6.9	-11.7
GIW-04	12/8/2016 10:10	1.0	52.3	0.7	46.0	36.4		5	5	-7.0	-7.0	-11.4
GIW-04	12/14/2016 15:53	0.8	52.7	1.8	44.7	29.5		13	10	-7.1	-7.2	-9.8
GIW-04	12/21/2016 15:16	0.7	38.5	11.8	49.0	54.5		3	5	-7.6	-7.5	-8.0
GIW-04	12/21/2016 15:18	0.3	27.6	13.3	58.8	54.5		0	3	-7.4	-7.4	-8.0
GIW-04	12/27/2016 14:24	0.9	54.3	0.8	44.0	63.4		0	4	-1.3	-1.3	-8.2

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Well Name	Date Sampled	Methane	CO <sub>2</sub>	O <sub>2</sub>	Balance Gas	Init Temp	Adj Temp	Init Flow	Adj Flow	Init Static Press	Adj Static Press	System Pressure
		(% vol)				°F		scfm		H <sub>2</sub> O		
GIW-05	12/8/2016 11:44	0.0	6.4	21.0	72.6	33.1		0	0	-2.2	-2.1	-10.3
GIW-05	12/8/2016 11:54	0.0	1.2	22.5	76.3	33.4		8	12	-0.5	-0.5	-10.2
GIW-05	12/14/2016 12:28	0.0	14.4	19.4	66.2	30.9		0	0	-0.5	-0.5	-7.1
GIW-05	12/14/2016 12:31	0.0	4.5	21.4	74.1	30.5		0	0	-0.3	-0.2	-7.0
GIW-05	12/21/2016 14:28	0.3	8.9	21.0	69.8	57.2		0	0	-0.5	-0.5	-5.5
GIW-05	12/21/2016 14:29	0.1	4.7	22.0	73.2	57.5		4	4	-0.6	-0.6	-5.1
GIW-05	12/27/2016 13:57	1.4	26.1	17.2	55.3	54.4		0	0	-0.4	-0.3	-5.3
GIW-05	12/27/2016 13:59	0.1	8.1	20.4	71.4	55.2		0	0	-0.6	-0.4	-5.6
GIW-06	12/9/2016 11:27	27.3	49.5	0.1	23.1	40.2		2	2	-7.5	-7.5	-10.3
GIW-06	12/9/2016 11:33	26.7	46.9	0.1	26.3	38.8		14	1	-7.5	-7.9	-10.3
GIW-06	12/14/2016 12:24	3.5	36.4	0.6	59.5	31.7		2	0	-7.0	-7.0	-8.9
GIW-06	12/21/2016 14:34	21.2	30.9	0.3	47.6	58.7		6	6	-6.0	-6.1	-7.5
GIW-06	12/27/2016 14:02	1.5	21.8	1.5	75.2	58.6		4	4	-6.0	-6.0	-7.8
GIW-07	12/9/2016 11:38	28.0	45.0	1.2	25.8	40.5		4	3	-3.1	-3.1	-9.3
GIW-07	12/9/2016 11:47	26.9	48.3	1.2	23.6	36.2		4	4	-2.9	-2.9	-9.7
GIW-07	12/14/2016 12:20	22.1	46.1	0.9	30.9	34.1		4	3	-1.9	-1.9	-9.4
GIW-07	12/21/2016 14:36	32.4	45.0	0.3	22.3	57.8		6	7	-1.1	-1.1	-7.8
GIW-07	12/27/2016 14:05	33.8	51.2	0.4	14.6	59.0		5	6	-0.5	-0.5	-8.2
GIW-08	12/9/2016 10:56	34.6	54.5	0.0	10.9	40.7		4	2	-4.7	-4.7	-10.7
GIW-08	12/9/2016 11:05	35.9	51.7	0.0	12.4	42.5		3	6	-4.7	-4.7	-10.3
GIW-08	12/14/2016 12:14	17.5	31.3	0.1	51.1	35.0		1	2	-4.1	-4.1	-9.7
GIW-08	12/21/2016 14:18	22.7	44.5	0.0	32.8	59.2		4	2	-3.3	-3.3	-7.9
GIW-08	12/27/2016 13:47	29.8	41.2	0.0	29.0	55.9		4	3	-3.3	-3.3	-8.3
GIW-09	12/9/2016 14:08	5.4	17.9	11.5	65.2	42.1		1	6	-0.8	-0.8	-10.6
GIW-09	12/9/2016 14:16	5.3	15.2	11.9	67.6	41.5		5	1	-0.8	-0.8	-10.5
GIW-09	12/14/2016 12:09	5.7	21.8	8.2	64.3	36.5		5	5	-0.6	-0.6	-9.4
GIW-09	12/14/2016 12:11	5.8	21.1	8.3	64.8	36.1		3	3	-0.6	-0.6	-9.2
GIW-09	12/21/2016 14:22	17.4	30.3	6.8	45.5	60.2		2	5	-0.4	-0.4	-7.5
GIW-09	12/21/2016 14:23	17.7	28.5	7.0	46.8	60.2		3	3	-0.4	-0.4	-7.9
GIW-09	12/27/2016 13:50	22.0	34.3	4.6	39.1	57.6		6	6	-0.4	-0.4	-7.7
GIW-10	12/8/2016 10:48	10.2	49.9	0.0	39.9	38.1		6	5	-2.0	-1.9	-11.8
GIW-10	12/8/2016 11:35	10.0	51.9	0.0	38.1	38.9		4	4	-1.9	-1.9	-11.1
GIW-10	12/14/2016 12:39	7.1	45.8	0.2	46.9	31.8		5	5	-1.2	-1.2	-9.7
GIW-10	12/21/2016 14:39	13.1	42.5	0.0	44.4	58.4		4	5	-0.4	-0.4	-8.0
GIW-10	12/27/2016 13:54	15.7	39.5	0.0	44.8	59.0		4	4	-0.5	-0.5	-8.1
GIW-11	12/9/2016 10:43	2.3	60.8	0.0	36.9	35.2		3	3	-0.5	-0.5	-18.5
GIW-11	12/9/2016 10:51	1.6	59.0	0.0	39.4	35.7		2	4	-0.5	-0.5	-19.0
GIW-11	12/14/2016 15:04	3.0	61.6	0.2	35.2	30.0		4	6	-0.4	-0.4	-18.1
GIW-11	12/21/2016 15:47	1.3	61.0	0.0	37.7	52.4		4	2	-0.1	0.0	-18.2
GIW-11	12/27/2016 14:50	1.3	62.3	0.0	36.4	59.6		0	2	0.0	0.0	-18.0
GIW-12	12/9/2016 10:27	7.7	31.2	9.2	51.9	36.0		10	15	-0.6	-0.7	-14.5
GIW-12	12/9/2016 10:37	8.3	30.9	9.1	51.7	37.1		19	24	-0.9	-1.1	-17.0
GIW-12	12/14/2016 15:08	8.4	35.8	8.7	47.1	31.5		21	23	-1.0	-1.0	-16.1

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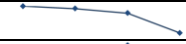
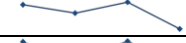
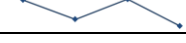
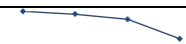
Well Name	Date Sampled	Methane	CO <sub>2</sub>	O <sub>2</sub>	Balance Gas	Init Temp	Adj Temp	Init Flow	Adj Flow	Init Static Press	Adj Static Press	System Pressure
		(% vol)				°F		scfm		H <sub>2</sub> O		
GIW-12	12/14/2016 15:10	8.4	35.0	8.8	47.8	30.1		18	20	-0.4	-0.5	-17.1
GIW-12	12/21/2016 15:42	3.2	56.8	0.0	40.0	52.3		5	4	0.0	0.0	-16.3
GIW-12	12/21/2016 15:44	2.3	60.9	0.0	36.8	52.3		3	3	0.0	0.0	-16.2
GIW-12	12/27/2016 14:45	2.6	61.8	0.0	35.6	60.1		2	2	0.0	0.0	-15.5
GIW-12	12/27/2016 14:47	1.9	62.9	0.0	35.2	60.8		2	2	0.0	0.0	-15.5
GIW-13	12/9/2016 9:18	13.7	59.4	0.0	26.9	34.3		2	2	-2.2	-2.2	-15.2
GIW-13	12/9/2016 9:28	11.9	60.5	0.0	27.6	35.9		3	3	-2.1	-2.1	-13.7
GIW-13	12/14/2016 15:15	13.1	59.9	0.0	27.0	30.1		4	3	-2.0	-1.9	-14.4
GIW-13	12/21/2016 15:22	11.9	57.3	0.0	30.8	54.3		6	6	-1.6	-1.6	-14.6
GIW-13	12/27/2016 14:41	12.4	59.8	0.0	27.8	61.4		4	4	-1.5	-1.5	-14.9
LCS-1D	12/23/2016 9:41	57.9	36.4	0.2	5.5	49.9		3	5	-13.8	-13.7	-19.2
LCS-5A	12/7/2016 14:27	56.0	38.7	0.0	5.3	55.2		NFD		-13.2	-13.2	-12.9
LCS-5A	12/16/2016 13:28	69.8	21.7	0.5	8.0	42.6		NFD		-12.4	-12.4	-12.3
LCS-5A	12/22/2016 9:10	59.4	35.6	0.6	4.4	51.3		NFD		-13.5	-13.5	-13.7
LCS-5A	12/30/2016 15:03	58.1	34.8	0.2	6.9	89.8		NFD		-11.3	-11.4	-11.3
LCS-6B	12/7/2016 11:09	53.4	37.8	0.3	8.5	53.5		8	9	-1.0	-1.0	-13.2
LCS-6B	12/16/2016 10:14	55.2	40.9	0.0	3.9	36.0		8	8	0.5	0.5	-2.9
LCS-6B	12/16/2016 10:16	54.5	42.1	0.0	3.4	35.2		7	9	0.7	0.7	-7.9
LCS-6B	12/21/2016 10:12	40.7	35.2	0.9	23.2	94.1		9	9	-5.0	-5.0	-13.0
LCS-6B	12/21/2016 10:13	39.4	35.1	0.8	24.7	92.4		8	9	-4.5	-4.5	-13.0
LCS-6B	12/23/2016 9:14	38.5	34.7	1.0	25.8	77.3		13	11	-4.7	-4.7	-13.5
LCS-6B	12/23/2016 9:16	39.5	35.4	0.8	24.3	70.9		9	9	-1.6	-1.6	-13.8
LCS-6B	12/28/2016 10:01	46.6	36.9	0.6	15.9	56.4		7	7	-1.2	-1.2	-13.0
PGW-60	12/16/2016 9:51	62.9	33.3	0.3	3.5	30.6		18	18	-13.6	-13.5	-13.7
PGW-60	12/21/2016 9:53	42.6	29.4	3.5	24.5	47.0		13	7	-13.2	-13.1	-13.3
PGW-60	12/28/2016 9:41	60.4	34.4	1.0	4.2	50.1		55	50	-13.5	-13.4	-13.3
SEW-002	12/28/2016 10:54	1.6	76.8	0.1	21.5	49.4		15	15	1.7	1.8	-15.1
T-56	12/7/2016 13:50	36.3	27.4	1.1	35.2	52.7		23	25	-0.1	-0.2	-12.8
T-56	12/16/2016 11:14	51.6	35.1	0.0	13.3	47.2		23	24	0.0	0.0	-13.2
T-56	12/21/2016 10:31	40.4	33.2	0.7	25.7	48.2		22	20	-0.2	-0.1	-14.1
T-56	12/28/2016 10:26	45.5	33.2	0.3	21.0	47.9		26	24	-0.2	-0.2	-12.7

Notes: NFD = No flow device installed  
 NR = Flow information was not recorded due to data collection error

Wellfield Temperature - Bridgeton Landfill

Well Name	Maximum Initial Temperature From All Monthly Wellhead Readings (in °F)				Temp Trend ><30°F	Comments
	September 2016	October 2016	November 2016	December 2016		
GEW-001	--	--	--	--		
GEW-002	123.1	123.1	121.2	124.7		
GEW-003	116.7	117.9	116.6	116		
GEW-004	120.5	122.3	121.5	116.6		
GEW-005	96.7	96.1	94.1	91.9		
GEW-006	93.4	90.5	89.4	88.8		
GEW-007	100.6	97.9	94.6	89.7		
GEW-008	115	114.5	114	110.7		
GEW-009	126.4	125.5	125	122.6		
GEW-010	108	88.2	100.6	63.6		
GEW-011	--	--	--	--		
GEW-013A	172.7	180.3	191.6	118		
GEW-014A	--	--	--	--		
GEW-015	--	--	--	181.7		
GEW-016R	--	--	191.2	188.3		
GEW-018B	--	--	196.7	190.2		
GEW-018R	--	--	--	--		
GEW-019A	--	--	--	--		
GEW-020A	--	--	--	--		
GEW-021A	--	--	--	--		
GEW-022R	180.3	63	67.9	--		
GEW-023A	--	--	--	--		
GEW-024A	--	--	--	--		
GEW-025A	--	--	--	--		
GEW-026R	--	--	--	--		
GEW-027A	--	--	--	--		
GEW-028R	92.2	70.9	--	--		
GEW-029	--	--	--	--		
GEW-030R	--	--	--	--		
GEW-033R	--	--	--	--		
GEW-034	--	--	--	--		
GEW-034A	--	--	--	--		
GEW-035	--	--	--	--		
GEW-036	--	--	--	--		
GEW-037	--	--	--	--		
GEW-038	96.2	86.8	86.3	58.5		
GEW-039	126.9	124.6	121.6	105.2		
GEW-040	96.9	93.6	91.7	79.6		
GEW-041R	107.8	104.5	100.8	87.3		
GEW-042R	109.7	103.8	106.5	82.1		
GEW-043R	130	129.4	128.9	118.1		

Wellfield Temperature - Bridgeton Landfill

Well Name	Maximum Initial Temperature From All Monthly Wellhead Readings (in °F)				Temp Trend ><30°F	Comments
	September 2016	October 2016	November 2016	December 2016		
GEW-044	93.8	92.7	84.5	78		
GEW-045R	100.6	89.8	92.7	75.2		
GEW-046R	101.4	101.6	98.4	94		
GEW-047R	116.2	113.2	110.5	114		
GEW-048	105.7	104.7	104.3	100.8		
GEW-049	111.6	114.3	111.2	105.1		
GEW-050	108.7	108.2	108.5	106.7		
GEW-051	128.1	126.9	126.1	128.6		
GEW-052	114.5	113.7	113.7	110.7		
GEW-053	143.5	142.9	141.8	133.8		
GEW-054	148.4	144.9	144.9	148		
GEW-055	129.4	129.4	127.5	124.5		
GEW-056R	174.2	126.6	126.9	101.8		
GEW-057B	102.1	73	82.1	39.6		
GEW-057R	127.8	119.6	105	40		
GEW-058	164.9	130.2	175.9	65.4		
GEW-058A	144	107	145.6	94.6		
GEW-059R	187.4	186.4	185.7	173.1		
GEW-061B	--	--	--	--		
GEW-064A	--	--	--	--		
GEW-065A	--	--	--	--		
GEW-066	--	--	--	--		
GEW-067A	146.3	161.6	171.6	--		
GEW-068A	--	--	--	--		
GEW-069R	--	--	--	--		
GEW-070R	--	--	--	--		
GEW-071	--	--	--	--		
GEW-071B	--	--	--	--		
GEW-072RR	--	--	--	--		
GEW-073R	--	--	--	--		
GEW-075	--	--	--	--		
GEW-076R	--	--	--	--		
GEW-077	187	176.4	156.5	83.4		
GEW-078R	186.4	185.1	183.9	178.6		
GEW-080	80.8	67	--	--		
GEW-081	--	67.1	194.3	193		
GEW-082R	188.6	96.7	182.4	187.7		
GEW-083	--	--	--	--		
GEW-084	--	--	--	--		
GEW-085	--	--	--	--		
GEW-086	105.8	90.1	91.2	71.4		



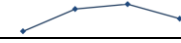

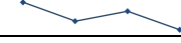
Wellfield Temperature - Bridgeton Landfill

Well Name	Maximum Initial Temperature From All Monthly Wellhead Readings (in °F)				Temp Trend ><30°F	Comments
	September 2016	October 2016	November 2016	December 2016		
GEW-087	--	--	196.4	191.2		
GEW-088	--	194.6	122.6	110.6		
GEW-089	93.4	59.4	--	--		
GEW-090	183	181.5	174.7	154.5		
GEW-091	197.2	--	196.4	193.2		
GEW-100	--	--	--	--		
GEW-101	--	93.9	93.2	69.1		
GEW-102	188.3	194.3	196.4	192.9		
GEW-103	--	--	--	--		
GEW-104	91.3	72.1	85.4	--		
GEW-105	--	180.4	197.9	141.8		
GEW-106	--	--	100.6	88		
GEW-107	--	--	81.7	46.9		
GEW-108	89.1	130.6	79.4	44.5		
GEW-109	134	123.7	121.8	78.5		
GEW-110	118.4	115.8	89.3	74.6		
GEW-112	--	--	--	--		
GEW-113	173.7	173.6	171	155.2		
GEW-116	--	--	--	--		
GEW-117	150.9	73.6	82.8	42.7		
GEW-118	193.1	195	193.7	173.6		
GEW-120	153.3	149.7	78.9	45.2		
GEW-121	178.6	180.4	177.2	174.2		
GEW-122	188.5	188.3	183.3	177.5		
GEW-123	102.1	150.9	176.2	56.5		
GEW-124	97.7	95	--	35.5		
GEW-125	193.6	190.8	192.3	191.6		
GEW-126	180.9	178.2	103.2	164.7		
GEW-127	189.6	188.9	187.1	179.2		
GEW-128	176.7	176.6	172.6	174.2		
GEW-129	180.9	180.1	174.2	170.6		
GEW-130	171.7	177.4	176.4	190.2		
GEW-131	107.6	98.5	71.6	55.9		
GEW-132	165.1	166.4	166.4	158.3		
GEW-133	103.8	93.2	72.9	46		
GEW-134	150.1	135.6	121.8	120.5		
GEW-135	191.5	173.3	161.5	47.3		
GEW-136	126.1	127.6	115.8	104.5		
GEW-137	86	96.6	75	55.2		
GEW-138	164.7	164.1	155.4	149.8		
GEW-139	176.2	177.5	151.3	164.3		

Wellfield Temperature - Bridgeton Landfill

Well Name	Maximum Initial Temperature From All Monthly Wellhead Readings (in °F)				Temp Trend ><30°F	Comments
	September 2016	October 2016	November 2016	December 2016		
GEW-140	140	88.8	146.3	135.3		
GEW-141	187.9	189.6	155.7	176		
GEW-142	150.9	153.3	55.5	36.8		
GEW-143	101.5	80.3	65.7	48.5		
GEW-144	106.6	91.5	81.2	62.1		
GEW-145	175.7	82.8	160.2	149.9		
GEW-146	104.8	100.6	90.1	73.6		
GEW-147	186.4	185.3	189.6	169.5		
GEW-148	159.8	97.8	75.3	52.1		
GEW-149	163.4	170	165.5	153.7		
GEW-150	181.4	184.7	183.3	171		
GEW-151	141.5	141.2	76.2	52.4		
GEW-152	175.2	179.2	180.3	45.6		
GEW-153	144.9	142.2	137.7	60		
GEW-154	123.2	120.2	62.2	43		
GEW-155	139.6	140.9	126.4	116.4		
GEW-156	114.7	127.5	101	87		
GEW-157	183.4	120.7	70.4	47.3		
GEW-158	156.9	199.3	183.3	39.8		
GEW-159	131.9	81.9	62.3	49.1		
GEW-160	187.6	185.7	169	49.6		
GEW-161	105.2	110.4	63.8	44.6		
GEW-162	180.1	175.8	165	112.7		
GEW-163	156	197.4	192.9	187		
GEW-164	114.5	152.5	170.2	163.3		
GEW-165	193.7	194.4	195.1	195		
GEW-166	197.9	197.2	196.8	170		
GEW-167	168.5	191.9	189.6	180.3		
GEW-168	184.5	183	177.9	177.5		
GEW-169	184.5	179.8	191.6	185		
GEW-170	160.7	164.6	188.9	165.5		
GEW-171	192.2	193.6	142.2	129.9		
GEW-172	191.6	89.2	70.6	52.1		
GEW-173	115.5	120.7	123.4	98.3		
GEW-174	171.2	171.6	171.6	159.4		
GEW-175	145.9	142.8	138.3	143.2		
GEW-176	144	161	141.2	123.7		
GEW-177	190.9	184.5	65.8	54.7		
GEW-1A	112	94.3	86.3	49.1		
GEW-2S	99.9	94.8	90.8	48.2		
GIW-01	185.7	185.7	183.9	174.7		

Wellfield Temperature - Bridgeton Landfill

Well Name	Maximum Initial Temperature From All Monthly Wellhead Readings (in °F)				Temp Trend ><30°F	Comments
	September 2016	October 2016	November 2016	December 2016		
GIW-02	107.2	90.6	75	59.1		
GIW-03	110.2	93.3	82.2	61.1		
GIW-04	107.5	90.5	80.3	63.4		
GIW-05	102.5	87.7	76.4	57.5		
GIW-06	93.2	84.4	83	58.7		
GIW-07	101.1	87.4	75	59		
GIW-08	99.2	88	76.8	59.2		
GIW-09	96.2	99	80.3	60.2		
GIW-10	99.4	86.8	79.8	59		
GIW-11	105.5	87.7	83.4	59.6		
GIW-12	98.3	87.8	84.1	60.8		
GIW-13	99.5	87.6	80	61.4		
LCS-1D	--	87.9	107.5	49.9		
LCS-2D	--	--	--	--		
LCS-3C	--	68.1	--	--		
LCS-4B	--	--	--	--		
LCS-5A	96.2	94.9	94.4	89.8		
LCS-6B	110	98.9	96.2	94.1		
PGW-60	91.9	94.1	81.9	50.1		
SEW-002	96.5	64	81	49.4		
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	83.8	76.4	71.6	52.7		

-- = Indicates no data available.

Laboratory Analysis - Bridgeton Landfill

Well Name	Date Sampled	Methane	CO <sub>2</sub>	O <sub>2</sub> /Argon	Nitrogen	Hydrogen	Carbon Monoxide	Comments
							(ppm)	
North Quarry								
GEW-01A	9/12/2016	2.9	2.3	21	74	ND	43	See Note 4
GEW-002	9/7/2016	55	40	ND	4.1	ND	ND	
GEW-002	10/6/2016	54	41	ND	3.9	ND	ND	
GEW-002	11/7/2016	55	41	ND	3.2	ND	ND	
GEW-002	12/7/2016	51	42	1.7	5.8	ND	ND	See Note 3
GEW-02S	9/12/2016	49	33	4	14	ND	ND	See Note 3
GEW-02S	11/7/2016	55	42	ND	ND	ND	ND	
GEW-003	8/10/2016	55.6	39.9	ND	3.8	0.1	ND	
GEW-003	9/7/2016	53	40	ND	5.8	0.1	ND	
GEW-003	10/6/2016	54	40	ND	4.4	0.1	ND	
GEW-003	11/7/2016	50	38	ND	10	0.1	ND	
GEW-003	12/7/2016	54	40	ND	5.7	0.1	ND	
GEW-004	8/10/2016	55.3	40.8	ND	3.4	0.1	ND	
GEW-004	9/7/2016	54	41	ND	4.3	0.1	ND	
GEW-004	10/6/2016	55	41	ND	ND	0.1	ND	
GEW-004	11/7/2016	51	40	ND	7.9	0.1	ND	
GEW-004	12/7/2016	51	38	ND	9.7	0.1	ND	
GEW-005	8/10/2016	50.3	36.6	ND	12.5	0.04	ND	
GEW-005	9/8/2016	51	36	ND	12	ND	ND	
GEW-005	10/6/2016	51	37	ND	11	ND	ND	
GEW-005	11/7/2016	47	37	ND	15	0.04	ND	
GEW-005	12/7/2016	48	36	ND	15	ND	ND	
GEW-006	9/8/2016	56	39	ND	4.5	ND	ND	
GEW-006	11/7/2016	45	35	2.3	18	ND	ND	See Note 3
GEW-007	9/12/2016	54	38	1.8	6.2	ND	ND	See Note 3
GEW-007	11/7/2016	56	40	ND	ND	ND	ND	
GEW-008	8/10/2016	50.5	45.6	ND	ND	0.9	ND	
GEW-008	9/12/2016	49	42	1.8	6.1	1.1	ND	See Note 3
GEW-008	10/6/2016	53	44	ND	ND	0.9	ND	
GEW-008	11/7/2016	53	43	ND	ND	1.1	ND	
GEW-008	12/7/2016	53	42	ND	3	0.8	ND	
GEW-009	8/10/2016	53.3	43	ND	ND	0.6	ND	
GEW-009	9/12/2016	51	41	ND	6.4	0.5	ND	
GEW-009	10/6/2016	50	42	ND	7.1	0.5	ND	
GEW-009	11/7/2016	48	41	ND	8.6	0.6	ND	
GEW-009	12/7/2016	47	39	ND	12	0.5	ND	
GEW-040	8/10/2016	56.3	39.7	ND	ND	ND	ND	
GEW-040	9/7/2016	57	40	ND	ND	ND	ND	
GEW-040	10/6/2016	57	40	ND	ND	ND	ND	
GEW-040	11/7/2016	57	40	ND	ND	ND	ND	
GEW-040	12/7/2016	56	39	ND	4	ND	ND	
GEW-041R	9/7/2016	53	37	2.1	8.1	ND	ND	See Note 3
GEW-041R	11/7/2016	52	37	1.6	9.7	ND	ND	See Note 4
GEW-042R	8/10/2016	55.4	40.8	ND	ND	ND	ND	
GEW-042R	9/7/2016	55	42	ND	ND	ND	ND	
GEW-042R	10/6/2016	54	42	ND	3.3	ND	ND	
GEW-042R	11/7/2016	50	38	2.7	9.6	ND	ND	See Note 3
GEW-042R	12/7/2016	55	39	ND	5.1	ND	ND	
GEW-043R	9/7/2016	54	42	ND	3.5	0.2	ND	
GEW-043R	11/7/2016	53	42	ND	4.7	0.2	ND	
GEW-044	9/7/2016	57	40	ND	ND	ND	ND	
GEW-044	11/7/2016	55	39	ND	5	ND	ND	
GEW-045R	8/10/2016	54.2	41.2	ND	3.5	ND	ND	
GEW-045R	9/7/2016	55	43	ND	ND	ND	ND	
GEW-045R	10/6/2016	56	37	ND	5.1	ND	ND	
GEW-045R	11/7/2016	55	42	ND	ND	ND	ND	

### Laboratory Analysis - Bridgeton Landfill

Well Name	Date Sampled	Methane	CO <sub>2</sub>	O <sub>2</sub> /Argon	Nitrogen	Hydrogen	Carbon Monoxide	Comments
							(%)	
GEW-045R	12/7/2016	42	31	6	21	ND	ND	See Note 3
GEW-046R	8/10/2016	54.4	40.4	ND	4.4	0.1	ND	
GEW-046R	9/7/2016	55	41	ND	3.1	0.1	ND	
GEW-046R	10/6/2016	53	39	ND	6.2	0.1	ND	
GEW-046R	11/7/2016	55	41	ND	ND	0.1	ND	
GEW-046R	12/7/2016	53	39	1.7	6.3	0.1	ND	See Note 3
GEW-047R	8/10/2016	52.3	39.9	ND	7.2	0.1	ND	
GEW-047R	9/8/2016	50	39	ND	10	0.1	ND	
GEW-047R	10/6/2016	46	38	ND	15	ND	ND	
GEW-047R	11/7/2016	48	38	ND	12	ND	ND	
GEW-047R	12/7/2016	48	39	ND	12	ND	ND	
GEW-048	8/10/2016	56.7	40.6	ND	ND	ND	ND	
GEW-048	9/8/2016	12	8.1	18	63	ND	ND	See Note 1 and 3
GEW-048	10/6/2016	53	38	ND	7.7	ND	ND	
GEW-048	11/7/2016	53	40	ND	6.2	0.04	ND	
GEW-048	12/7/2016	53	39	ND	7.5	ND	ND	
GEW-049	8/10/2016	56.1	39.7	ND	3.6	0.1	ND	
GEW-049	9/8/2016	52	38	ND	9.1	ND	ND	
GEW-049	10/6/2016	36	32	2.2	29	ND	ND	See Note 3
GEW-049	11/7/2016	51	38	ND	9.9	0.1	ND	
GEW-049	12/7/2016	45	35	ND	18	0.03	ND	
GEW-050	9/12/2016	56	39	ND	3.4	0.1	ND	
GEW-050	11/7/2016	53	39	ND	6.6	0.1	ND	
GEW-051	9/8/2016	54	41	ND	ND	1	ND	
GEW-051	11/7/2016	53	40	ND	4.6	1.2	ND	
GEW-052	9/12/2016	54	40	ND	4.5	0.03	ND	
GEW-052	11/7/2016	52	40	ND	7.4	0.1	ND	
GEW-053	8/10/2016	49.6	42.9	ND	ND	4.8	61	
GEW-053	9/8/2016	49	43	ND	ND	4.6	61	
GEW-053	10/6/2016	50	42	ND	3.9	3	49	
GEW-053	11/7/2016	49	40	ND	5.9	4.2	59	
GEW-053	12/7/2016	48	39	ND	9.9	2.1	34	
GEW-054	8/10/2016	52.5	41.9	ND	ND	2.7	ND	
GEW-054	9/12/2016	50	40	ND	5.6	2.2	ND	
GEW-054	10/6/2016	51	41	ND	5.2	2.2	ND	
GEW-054	11/7/2016	46	38	2.8	12	2	ND	See Note 3
GEW-054	12/7/2016	50	40	ND	6.9	1.8	43	
GEW-055	8/10/2016	52.9	43.5	ND	ND	1.8	ND	
GEW-055	9/12/2016	53	42	ND	ND	1.6	ND	
GEW-055	10/6/2016	52	41	ND	4.1	1.6	ND	
GEW-055	11/7/2016	51	42	ND	3.8	2	ND	
GEW-055	12/7/2016	50	40	1.6	5.7	2.2	33	See Note 3
Flare Station <sup>2</sup>	8/9/2016	51.3	38.5	1	7.8	ND	ND	See Note 5
Flare Station <sup>2</sup>	9/7/2016	49.2	37.6	2	10.3	ND	ND	See Note 5
Flare Station	10/4/2016	46.1	35.8	2.3	14.9	ND	ND	See Note 5
Flare Station <sup>2</sup>	11/1/2016	40.4	31.3	5	22.6	ND	ND	See Note 5
Flare Station <sup>2</sup>	12/6/2016	46.0	36.1	1.9	14.9	ND	ND	See Note 5
Flare Station <sup>2</sup>	1/4/2017	40.7	34.1	2.1	22	ND	ND	See Note 5

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 Envion meter, it was determined there is a sample train leak. (4) Based on the oxygen verification readings taken with an Envion meter, it was determined that the readings are accurate. (5) Flare station gas concentration data is an average of NQ EP14 A (or 1) and NQ EP14 B (or 2), located in the North Quarry.

ND = Analyte not detected in sample.

<sup>2</sup> = Flare Station measured at EPA Method 2 flow port (blower outlet)

Laboratory Analysis - Bridgeton Landfill

Well Name	Date Sampled	Methane	CO <sub>2</sub>	O <sub>2</sub> /Argon	Nitrogen	Hydrogen	Carbon Monoxide	Comments
		South Quarry					(ppm)	
South Quarry								
GEW-010	8/10/2016	46.9	42.6	2	8.2	0.2	ND	See Note 4
GEW-010	9/6/2016	56	41	ND	ND	0.2	ND	
GEW-010	10/4/2016	14	10	17	60	ND	ND	See Note 3
GEW-010	11/9/2016	43	48	ND	7.3	0.1	ND	
GEW-010	12/9/2016	42	49	1.7	7.7	0.1	ND	See Note 4
GEW-022R	9/14/2016	0.02	0.1	22	78	ND	ND	See Note 3
GEW-022R	11/11/2016	1.2	66	ND	ND	30	3,300	
GEW-038	8/8/2016	0.5	50.4	4.3	15.6	27.3	2,700	See Note 4
GEW-038	9/6/2016	0.8	58	2.1	7.4	30	2,800	See Note 4
GEW-038	10/4/2016	8.9	58	ND	5.3	25	2,100	
GEW-038	11/9/2016	8.1	40	6.3	23	22	1,000	See Note 4
GEW-038	12/9/2016	8.8	45	4.4	18	23	1,100	See Note 4
GEW-039	8/10/2016	24.3	35.5	4	35.7	0.5	75	See Note 4
GEW-039	9/6/2016	43	55	ND	ND	0.2	ND	
GEW-039	10/4/2016	44	54	ND	ND	0.2	ND	
GEW-039	11/8/2016	44	53	ND	ND	0.1	ND	
GEW-039	12/8/2016	11	12	17	60	ND	ND	See Note 3
GEW-056R	8/10/2016	18.9	50.8	ND	13.4	15.6	600	
GEW-056R	9/6/2016	20	47	ND	22	10	430	
GEW-056R	10/4/2016	13	54	ND	ND	30	1,200	
GEW-056R	11/9/2016	10	51	ND	7.2	30	1,200	
GEW-056R	12/9/2016	13	49	ND	12	25	990	
GEW-058	11/11/2016	0.4	39	6.2	22	32	1,700	See Note 4
GEW-058A	9/14/2016	22	45	1.9	6.7	23	1,400	See Note 3
GEW-058A	11/11/2016	24	37	4.7	18	16	880	See Note 4
GEW-059R	9/14/2016	4.2	45	3.1	11	36	1,400	See Note 4
GEW-059R	11/10/2016	5.5	43	2.8	9.7	38	1,300	See Note 4
GEW-082R	9/14/2016	4.7	50	ND	5.6	37	1,700	
GEW-082R	11/11/2016	4.9	53	ND	ND	39	1,700	
GEW-086	11/11/2016	10	28	7.3	53	2	160	See Note 4
GEW-090	9/14/2016	14	46	ND	5.6	31	1,500	
GEW-090	11/11/2016	11	45	ND	4.3	38	1,700	
GEW-102	9/13/2016	5	59	ND	ND	30	980	
GEW-102	11/10/2016	3.9	55	ND	3.9	35	760	
GEW-109	8/8/2016	10	42.5	ND	30.2	15.5	540	
GEW-109	9/6/2016	20	52	ND	9.7	16	610	
GEW-109	10/4/2016	21	52	ND	9.7	16	640	
GEW-109	11/8/2016	20	48	ND	14	17	720	
GEW-109	12/8/2016	13	28	9.6	38	12	420	See Note 3
GEW-110	8/10/2016	1.5	10.8	17.5	64.3	5.8	380	See Note 4
GEW-110	9/6/2016	1.1	4.9	20	73	1.5	120	See Note 4
GEW-110	10/4/2016	6	28	9	46	11	600	See Note 4
GEW-110	11/9/2016	1.9	31	9.3	38	20	1,100	See Note 4
GEW-110	12/9/2016	2.5	24	11	46	16	870	See Note 4
GEW-117	9/14/2016	16	55	1.9	20	5.9	290	See Note 3
GEW-117	11/11/2016	7.3	63	ND	4.5	23	1,800	
GEW-118	9/14/2016	1.8	51	3	13	30	1,400	See Note 4
GEW-118	11/11/2016	2	47	3.7	18	29	1,200	See Note 4
GEW-120	9/13/2016	15	52	3	24	5.6	280	See Note 3
GEW-120	11/10/2016	22	52	4.1	16	5.2	250	See Note 3
GEW-121	9/13/2016	8.2	52	2.4	11	25	1,600	See Note 3
GEW-121	11/11/2016	8.7	58	ND	5	27	1,600	
GEW-122	9/13/2016	16	53	ND	ND	27	2,000	
GEW-123	9/13/2016	21	58	2.7	9.8	7.5	770	See Note 3
GEW-123	11/11/2016	8.9	56	2.5	11	21	1,800	See Note 4
GEW-124	9/13/2016	9	60	ND	5.4	22	2,100	

Laboratory Analysis - Bridgeton Landfill

Well Name	Date Sampled	Methane	CO <sub>2</sub>	O <sub>2</sub> /Argon	Nitrogen	Hydrogen	Carbon Monoxide	Comments
							(%)	
GEW-125	9/13/2016	0.9	59	ND	ND	35	2,700	
GEW-125	11/11/2016	2.9	44	3.5	18	31	2,200	See Note 3
GEW-126	9/13/2016	12	48	2.7	11	24	2,500	See Note 3
GEW-126	11/11/2016	22	53	ND	4.4	19	1,800	
GEW-127	9/13/2016	3.9	67	ND	ND	24	3,400	
GEW-127	11/11/2016	3.3	65	ND	4.2	26	3,300	
GEW-128	9/12/2016	5	47	7	25	16	1,800	See Note 4
GEW-128	11/11/2016	5.6	64	ND	3.3	26	2,800	
GEW-129	9/12/2016	1.6	63	ND	ND	30	3,000	
GEW-129	11/11/2016	1.9	66	2.2	7.7	22	3,000	See Note 3
GEW-130	9/13/2016	6.3	52	4.4	17	18	2,400	See Note 4
GEW-130	11/11/2016	3.4	43	5.9	23	23	2,400	See Note 4
GEW-131	9/14/2016	0.3	52	ND	ND	43	3,200	
GEW-131	11/11/2016	5.4	47	ND	ND	45	2,700	
GEW-132	11/10/2016	11	46	1.7	24	16	920	See Note 4
GEW-133	9/13/2016	3	57	2.7	9.5	27	2,000	See Note 3
GEW-134	9/13/2016	7.4	38	4.9	47	2.2	340	See Note 3
GEW-134	11/10/2016	7.1	32	6.6	51	2.8	300	See Note 4
GEW-135	9/13/2016	3.4	48	3.2	11	33	1,700	See Note 3
GEW-135	11/10/2016	5.1	41	5.1	31	18	900	See Note 4
GEW-136	11/10/2016	3.7	22	12	54	8.9	380	See Note 4
GEW-137	9/13/2016	38	41	ND	19	0.1	ND	
GEW-137	11/10/2016	0.5	59	ND	ND	38	2,700	
GEW-138	11/10/2016	3.7	26	6.8	53	10	680	See Note 4
GEW-139	9/13/2016	5.5	56	1.9	8.5	26	2,600	See Note 4
GEW-139	11/11/2016	3.8	44	4.3	17	30	2,400	See Note 4
GEW-140	9/13/2016	0.3	56	ND	3.9	36	3,200	
GEW-140	11/11/2016	8.6	51	1.9	8.4	30	1,600	See Note 4
GEW-141	9/13/2016	0.2	60	ND	ND	35	4,100	
GEW-141	11/11/2016	0.3	48	4.3	15	31	3,400	See Note 4
GEW-142	9/13/2016	0.03	2	21	76	0.5	98	See Note 3
GEW-143	9/14/2016	0.01	1	22	77	0.4	65	See Note 3
GEW-144	9/14/2016	ND	0.04	22	78	ND	ND	See Note 3
GEW-145	9/13/2016	1.6	53	2.1	7.4	33	2,100	See Note 4
GEW-145	11/10/2016	1	51	2.2	7.8	36	2,100	See Note 4
GEW-146	9/12/2016	6.4	27	6.1	58	2	120	See Note 4
GEW-147	9/13/2016	11	48	2.9	10	27	1,400	See Note 3
GEW-147	11/11/2016	4.8	48	1.7	5.7	39	2,000	See Note 3
GEW-149	11/10/2016	11	52	2	17	17	1,000	See Note 4
GEW-150	11/10/2016	1.9	55	3.3	12	27	1,800	See Note 3
GEW-151	11/10/2016	2.5	54	1.6	5.8	35	1,600	See Note 4
GEW-152	9/14/2016	0.1	0.4	22	78	0.1	ND	See Note 3
GEW-152	11/9/2016	18	48	ND	3	29	1,800	
GEW-153	9/14/2016	20	30	6.5	34	8.5	280	See Note 3
GEW-153	11/9/2016	28	40	ND	20	11	360	
GEW-155	11/10/2016	0.5	58	ND	ND	38	2,800	
GEW-157	9/14/2016	9.8	52	2.3	8.3	27	1,900	See Note 3
GEW-159	9/14/2016	22	50	ND	25	2	91	
GEW-159	11/8/2016	5.6	35	7.6	27	25	1,500	See Note 4
GEW-160	9/12/2016	4.1	56	ND	5.8	31	2,100	
GEW-160	11/10/2016	3.8	57	ND	ND	36	2,000	
GEW-161	9/12/2016	0.5	51	2.1	7.4	37	2,500	See Note 4
GEW-162	9/12/2016	7.1	61	1.9	6.9	22	1,600	See Note 3
GEW-162	11/10/2016	7	62	ND	ND	27	1,800	
GEW-163	11/11/2016	4.8	30	9.5	47	7.9	580	See Note 4
GEW-164	9/13/2016	3.8	70	ND	5.3	18	2,400	
GEW-164	11/11/2016	8.7	69	ND	ND	18	1,900	

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Well Name	Date Sampled	Methane	CO <sub>2</sub>	O <sub>2</sub> /Argon	Nitrogen	Hydrogen	Carbon Monoxide	Comments
							(%)	
GEW-165	9/13/2016	1.3	66	ND	3.4	26	3,200	
GEW-165	11/11/2016	1.7	63	ND	3.3	30	2,900	
GEW-166	9/13/2016	0.3	60	ND	ND	35	3,500	
GEW-166	11/11/2016	2.1	36	9.2	32	20	1,700	See Note 3
GEW-167	9/14/2016	5	36	6.2	35	17	1,300	See Note 4
GEW-167	11/11/2016	1.4	58	ND	ND	38	2,600	
GEW-168	9/13/2016	3.1	61	ND	3.8	29	2,900	
GEW-168	11/11/2016	0.6	57	ND	ND	39	3,400	
GEW-169	9/13/2016	5.5	61	2.1	7.7	22	2,900	See Note 4
GEW-169	11/11/2016	1.8	40	8.1	29	20	2,100	See Note 4
GEW-170	9/13/2016	7.5	59	2.6	11	18	2,600	See Note 4
GEW-170	11/11/2016	3.2	57	3.5	13	22	2,900	See Note 4
GEW-171	9/13/2016	4.1	42	7.5	27	18	1,700	See Note 3
GEW-172	9/13/2016	5.3	55	ND	3.2	34	2,600	
GEW-174	9/13/2016	5.5	34	5.5	42	12	910	See Note 4
GEW-174	11/10/2016	4.5	31	7.5	42	15	1,000	See Note 4
GEW-175	9/14/2016	ND	0.1	22	78	ND	ND	See Note 3
GEW-175	11/10/2016	10	33	7.9	43	6.1	420	See Note 4
GEW-176	9/14/2016	0.9	3.3	21	74	0.5	64	See Note 3
GEW-176	11/10/2016	11	49	4.1	20	16	970	See Note 4
GEW-177	9/13/2016	1.2	63	ND	ND	31	3,900	
GIW-01	8/10/2016	1	31.1	12.1	43.4	11.8	1,300	See Note 4
GIW-01	9/6/2016	3.2	63	1.9	10	20	2,100	See Note 4
GIW-01	10/4/2016	2.4	70	ND	ND	24	2,300	
GIW-01	11/9/2016	3.1	69	ND	ND	24	2,100	
GIW-01	12/8/2016	3.5	51	5.8	21	18	1,400	See Note 3
GIW-02	8/10/2016	6.9	36.7	9.4	39.1	7.6	470	See Note 4
GIW-02	9/6/2016	3.9	29	12	50	4.4	280	See Note 4
GIW-02	10/4/2016	4.2	34	11	41	9.4	550	See Note 4
GIW-02	11/9/2016	2.7	64	ND	5.6	26	1,900	
GIW-02	12/8/2016	3.1	65	1.7	5.6	24	1,700	See Note 3
GIW-03	8/8/2016	0.7	60.7	2.3	8.2	26.8	2,600	See Note 4
GIW-03	9/6/2016	1	49	6.2	22	21	1,900	See Note 4
GIW-03	10/4/2016	0.7	62	2	7	26	2,200	See Note 4
GIW-03	11/9/2016	0.7	64	ND	5	27	2,200	
GIW-03	12/8/2016	1	53	5.1	18	22	1,600	See Note 4
GIW-04	8/8/2016	0.7	56.2	ND	3.7	37.7	2,600	
GIW-04	9/6/2016	0.7	56	2	6.9	34	2,400	See Note 4
GIW-04	10/4/2016	0.9	43	5.8	21	28	1,900	See Note 3
GIW-04	11/9/2016	1.1	51	2.4	8.2	37	2,200	See Note 4
GIW-04	12/8/2016	0.8	42	5	18	34	2,000	See Note 3
GIW-05	8/8/2016	2.4	57.3	ND	5.6	32.6	1,400	
GIW-05	9/12/2016	1.9	60	ND	ND	34	1,400	
GIW-05	10/4/2016	ND	0.1	22	78	ND	ND	See Note 4
GIW-05	11/9/2016	0.01	1	22	77	ND	ND	See Note 4
GIW-05	12/8/2016	0.03	0.5	22	77	ND	ND	See Note 4
GIW-06	8/8/2016	3.2	52.7	ND	17.4	24.3	840	
GIW-06	9/6/2016	4.1	52	ND	19	23	740	
GIW-06	10/4/2016	0.1	0.9	22	77	0.3	ND	See Note 1 and 3
GIW-06	11/8/2016	17	54	ND	6.3	20	700	
GIW-06	12/9/2016	26	48	ND	4.1	20	550	
GIW-07	8/10/2016	7.2	40.1	10.2	36.9	5.3	590	See Note 4



### Laboratory Analysis - Bridgeton Landfill

Well Name	Date Sampled	Methane	CO <sub>2</sub>	O <sub>2</sub> /Argon	Nitrogen	Hydrogen	Carbon Monoxide	Comments
							(%)	
GIW-07	9/6/2016	1.4	15	18	64	2.4	190	See Note 4
GIW-07	10/4/2016	11	65	2.8	10	10	640	See Note 4
GIW-07	11/8/2016	12	58	2.1	7.3	20	1,000	See Note 4
GIW-07	12/9/2016	26	50	1.7	6.1	16	720	See Note 4
GIW-08	8/8/2016	15.1	62.4	ND	19.8	1.6	190	
GIW-08	9/6/2016	16	63	ND	18	1.8	220	
GIW-08	10/4/2016	22	64	ND	11	1.2	160	
GIW-08	11/8/2016	23	60	ND	16	0.8	130	
GIW-08	12/9/2016	31	52	2.8	14	0.3	77	See Note 3
GIW-09	8/8/2016	2.8	26.8	6.1	61.6	2.5	190	See Note 4
GIW-09	9/6/2016	2.2	16	12	67	2.3	150	See Note 4
GIW-09	10/4/2016	5.3	22	9	61	2.5	140	See Note 4
GIW-09	11/9/2016	0.8	8.5	18	71	1.8	110	See Note 4
GIW-09	12/9/2016	ND	16	13	65	1.5	92	See Note 4
GIW-10	8/8/2016	0.8	54.4	ND	3.8	39.7	2,300	
GIW-10	9/6/2016	0.6	50	2.6	10	36	2,000	See Note 3
GIW-10	10/4/2016	3.7	52	ND	9.6	33	1,600	
GIW-10	11/9/2016	4.1	49	ND	11	34	1,700	
GIW-10	12/8/2016	6.9	41	4.8	23	24	1,000	See Note 3
GIW-11	8/8/2016	6.5	60.7	1.9	11.1	19	2,000	See Note 4
GIW-11	9/6/2016	6.9	61	1.9	11	18	1,900	See Note 4
GIW-11	10/4/2016	6.2	62	1.6	9.9	20	1,900	See Note 4
GIW-11	11/9/2016	0.9	63	ND	ND	33	2,700	
GIW-11	12/9/2016	2	62	ND	6.2	28	2,100	
GIW-12	8/8/2016	6.2	34	7.7	42.8	8.9	670	See Note 4
GIW-12	9/6/2016	6.2	32	9.6	45	7	470	See Note 4
GIW-12	10/4/2016	13	41	5.3	29	10	610	See Note 4
GIW-12	11/9/2016	7.7	35	7.5	42	7.9	460	See Note 4
GIW-12	12/9/2016	7.6	31	9.3	45	6.3	320	See Note 4
GIW-13	8/8/2016	10.1	66.2	ND	ND	20.1	1,300	
GIW-13	9/6/2016	12	63	ND	5.9	17	1,000	
GIW-13	10/4/2016	12	59	2.7	9.8	16	970	See Note 3
GIW-13	11/9/2016	10	65	ND	ND	20	1,300	
GIW-13	12/9/2016	12	65	ND	3.5	19	1,100	
Flare Station <sup>2</sup>	8/9/2016	10.1	39.3	6.8	30.7	11.4	1,100	See Note 6
Flare Station <sup>2</sup>	9/7/2016	8.7	39.4	6.9	31.9	11.4	940	See Note 6
Flare Station <sup>2</sup>	10/4/2016	9.6	41.6	6.0	28.8	12.4	1,000	See Note 6
Flare Station <sup>2</sup>	11/1/2016	10.4	42.4	5.7	27.2	12.5	900	See Note 6
Flare Station <sup>2</sup>	12/6/2016	9.3	37.8	7.7	32.4	12.0	840	See Note 6
Flare Station <sup>2</sup>	1/4/2017	9.8	38.7	7.4	30.6	12.8	815	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 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 NQ EP14 A (or 1) and NQ EP14 B (or 2), located in the North Quarry. (6) Flare station gas concentration data is an average of Outlets 1 and 2 (A & B) or SQ OU 1 and OU 2, located in the South Quarry. (7) Flare station gas concentration based on data from Outlet B in the South Quarry.

ND = Analyte not detected in sample.

<sup>2</sup> = Flare Station Inlet measured at EPA Method 2 flow port (blower outlet)