

Bridgeton Landfill, LLC

Monthly Data Submittals

February 2015

Required by Section 52.E of Agreed Order, Case No. 13SL-CC01088
Effective May 13, 2013

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Provided Separately:

- Flare Raw Data Excel Spreadsheet
- Gas Wellfield Raw Data Excel Spreadsheet

March 20, 2015

Commentary on Data

March 20, 2015

The following observations and comments are offered for the February 2015 data, exclusive of temperature data for the GIW series wells, which are undergoing Heat Extraction System evaluation:

Gas Volume

- As seen in Attachment A-2, gas collection volumetric rate in January averaged about 7068 SCFM, which matches the seasonal trend for flow identified over the past 2 years (refer to Total Combined Flow Graph in Attachment A-2).

Gas Quality

- Attachments F-2, F-3, and G contain the monthly data related to gas quality and temperature as measured at the respective wellheads. Seven vertical wells (GEW-003, -23A, -42R, -69R, -125, PGW60, and SEW017R) decreased by 30°F or more in February; the majority due to minimal flow conditions and low ambient temperatures. Additionally, eleven vertical wells (GEW-28R, -43R, 70R, -101, -110, -142, -146, -149, -153, and -156) increased by 30°F or more, and are all within the historical gas temperature norms for these wells, and result from re-establishment of gas flow from these wells.
- Attachment F-1 details the vertical wells had oxygen levels over 5% at one or more weekly monitoring events in January. These consisted of 14 older GEW wells (<#-120) that are experiencing low flows; 14 new GEW wells (>#-120) that are under initial tuning and down well pump installation; 5 GIW wells that have low gas flow; and 12 SEW wells that are shallow extractors. By the end of the month, the majority of these wells still exhibited oxygen at the wellhead at or greater than 5%. All these wells, except the new GEWs are low-flow/vacuum sensitive wells with valves only slightly open. On-going tuning and maintenance and pump operation is being performed to manage the oxygen content. The wells are in the south quarry area where the flexible membrane liner cap is in place to prevent atmospheric intrusion into the waste mass.
- A detailed review of the gas extraction wells in the neck area was conducted. Temperature is consistent with previous months in each of the monitorable wells in vicinity to the neck. Carbon monoxide (CO) results from February showed a month-over-month decrease; wells remain within historical norms.
- All wells in the North Quarry continue to exhibit a maximum wellhead temperature under 145° F for the month of February, with the exception of GEW-054, that had a maximum temperature of 149° F during the month, which is within the historical operational range for this well. Therefore, monthly carbon monoxide testing has resumed until this well gas temperature is below 140° F. Carbon monoxide (CO) results

showed non-detect (ND) for this well, and all other North quarry wells except low level CO concentrations in GEW-008 and adjacent GEW-053. These two wells had low level detection concentrations in the previous bi-monthly sampling events. Review of weekly gas quality in Attachment F-1 reveals that all of the active North Quarry gas wells continue to have low, if any, oxygen and healthy methane and carbon dioxide levels indicating normal wellfield conditions for aged waste at all locations, consistent with well conditions observed in the North Quarry for some time.

New Wells

- This data set includes 36 newly installed gas extraction wells in the south quarry during December and January. Downwell pump installations are currently 50% complete in these new wells.

Settlement

- The South Quarry exhibited monthly maximum settlement up to 1.75 feet (see Attachment E) which is consistent with last month. The rate of settlement directly south of the neck continues to be small and stable compared to previous months.

Bird Monitoring and Mitigation

- Bridgeton Landfill conducted bird monitoring during February 2015 in accordance with the Approved Bird Hazard Monitoring and Mitigation Plan. Logs of bird population observations were provided to the Airport on a weekly basis. No change in bird population or bird hazards were observed and no bird mitigation measures were necessary.

ATTACHMENT A

DAILY FLARE MONITORING DATA

ATTACHMENT A-1

DATA SPREADSHEET

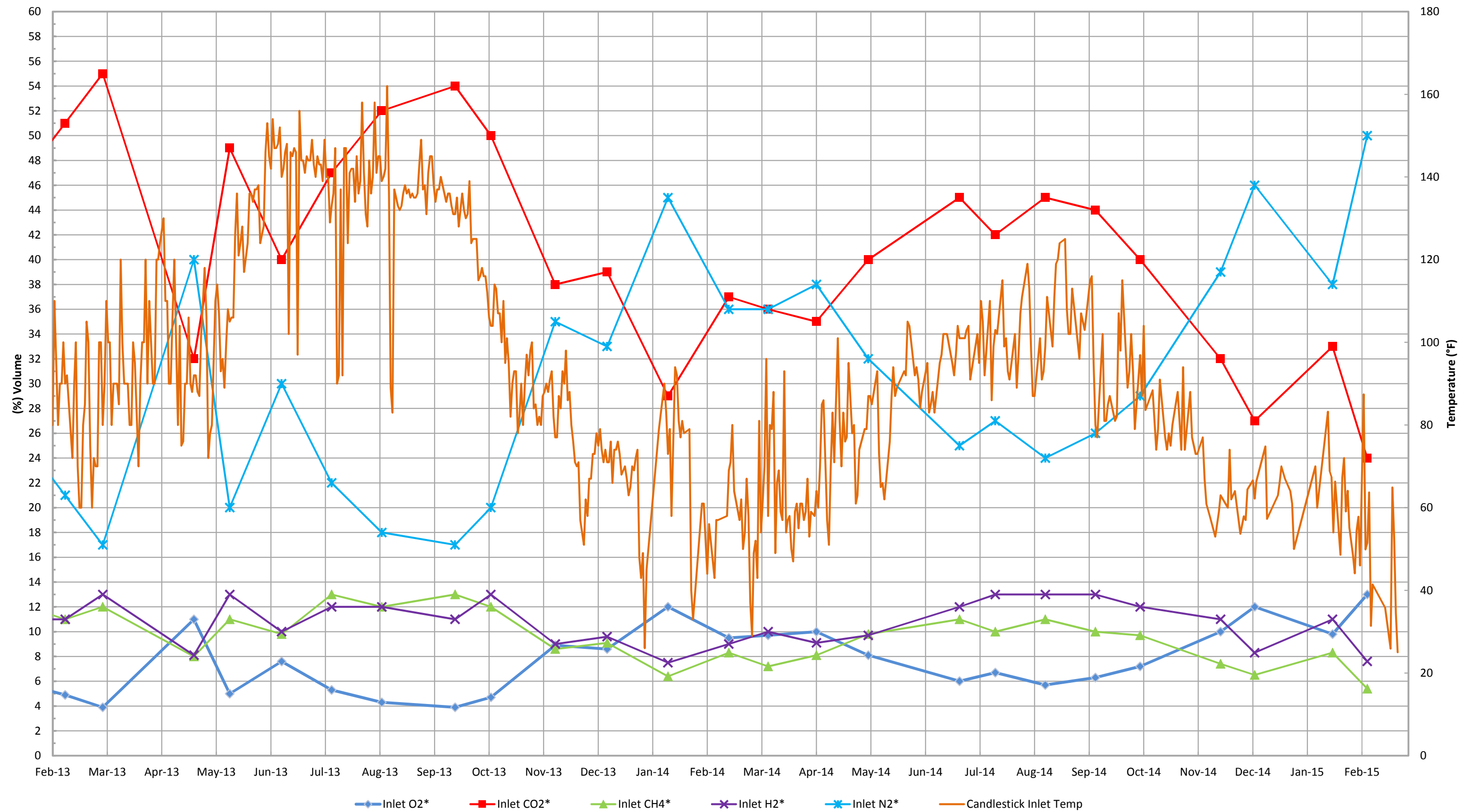
Daily Flare Monitoring Data - Bridgeton Landfill
February 2015

Date	Average Device Flow (scfm)				Total Avg. Flow (scfm)
	Candlestick Flare (FL-100)	Candlestick Flare (FL-140)	Candlestick Flare (FL-120)	E. Aux. Candlestick Flare	
2/1/2015	1,557	3,203	1,398	14	6,172
2/2/2015	1,269	3,257	1,660	251	6,438
2/3/2015	1,791	2,997	1,432	452	6,672
2/4/2015	1,578	2,569	1,665	502	6,314
2/5/2015	2,139	2,120	2,070	113	6,443
2/6/2015	1,974	2,609	2,126	56	6,765
2/7/2015	2,174	2,734	2,153		7,061
2/8/2015	2,317	2,786	2,552		7,655
2/9/2015	1,904	2,717	2,826		7,447
2/10/2015	2,356	2,466	2,568	6	7,395
2/11/2015	2,544	2,363	2,569		7,476
2/12/2015	2,245	2,181	2,452	165	7,042
2/13/2015	1,771	2,517	1,775	363	6,426
2/14/2015	1,657	2,729	1,955	365	6,706
2/15/2015	1,500	2,613	2,018	374	6,505
2/16/2015	2,368	3,104	1,261	368	7,101
2/17/2015	2,158	2,624	2,008	457	7,247
2/18/2015	2,222	2,506	1,924	736	7,387
2/19/2015	1,301	2,304	2,411	799	6,815
2/20/2015	1,597	2,653	2,418	787	7,456
2/21/2015	1,921	2,570	2,162	756	7,409
2/22/2015	2,021	2,523	2,241	744	7,528
2/23/2015	2,066	2,418	2,228	772	7,485
2/24/2015	2,067	2,714	1,872	807	7,461
2/25/2015	1,649	2,221	2,558	741	7,169
2/26/2015	1,773	2,274	2,772	684	7,503
2/27/2015	1,788	2,190	2,742	733	7,454
2/28/2015	1,713	2,168	2,662	815	7,358

ATTACHMENT A-2

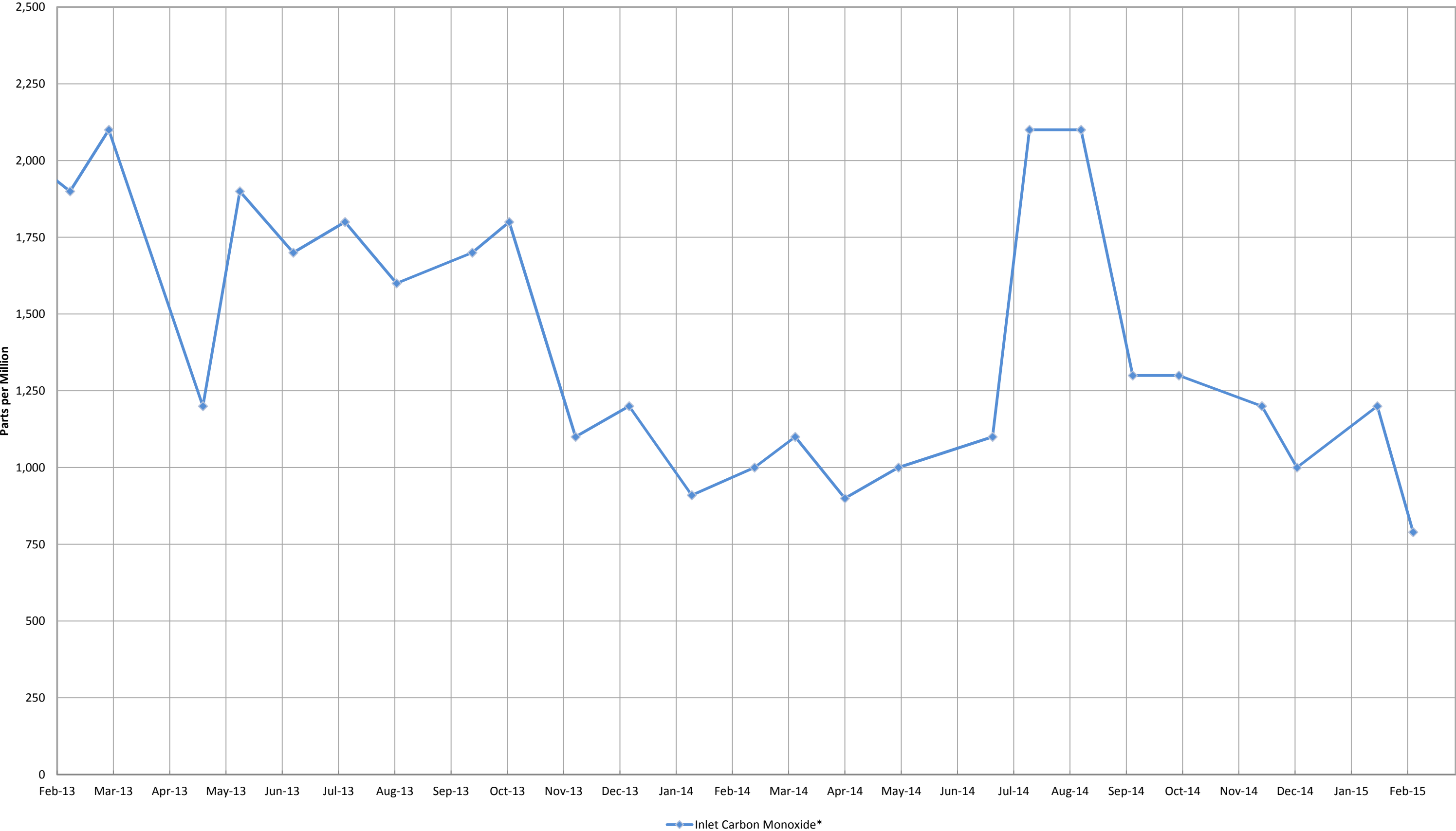
DATA GRAPHS

Inlet Gas and Temperature*



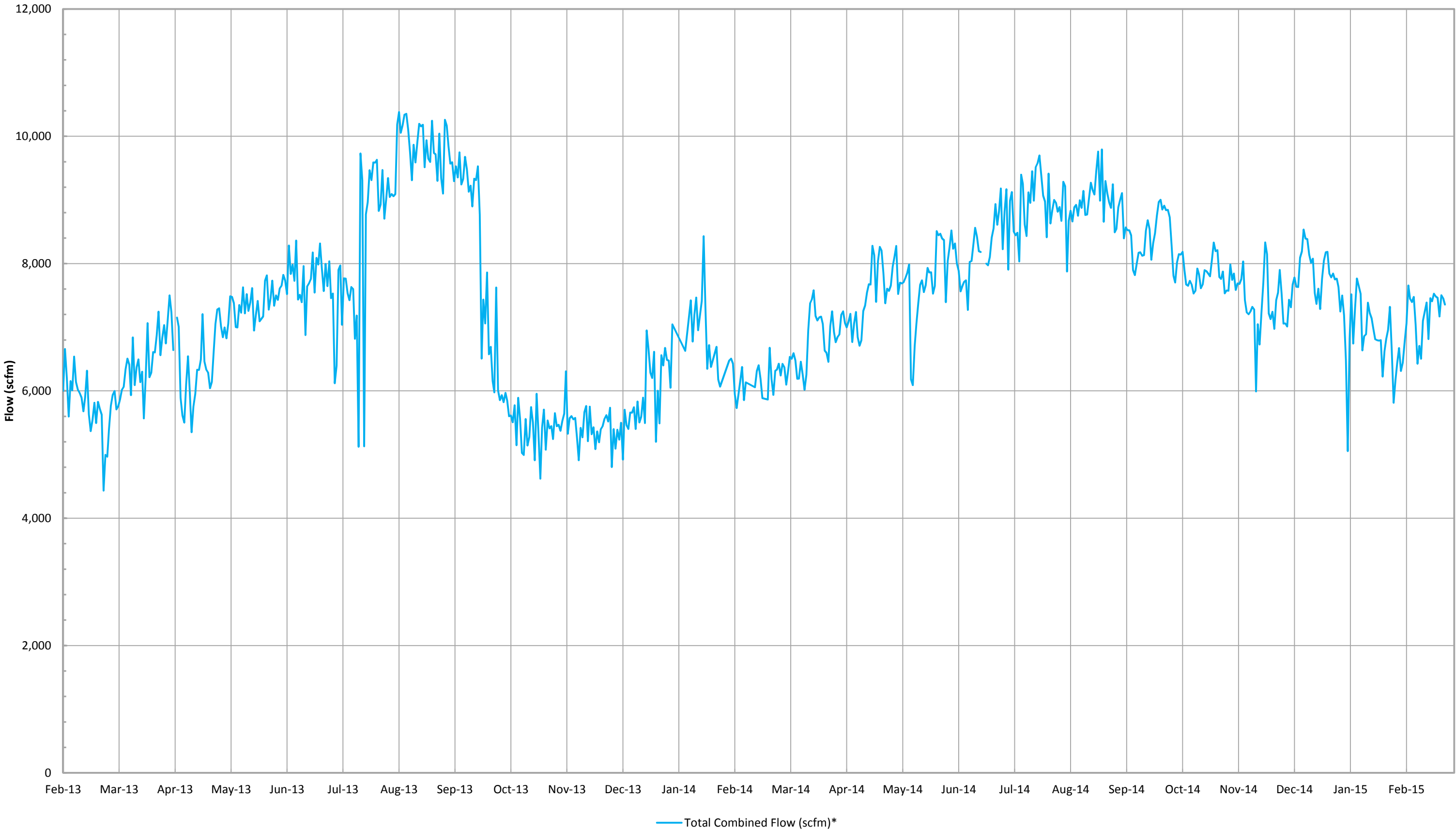
*Gas data collected from Laboratory Reports. Temperature data collected from GEM 2000 field readings.

Inlet Carbon Monoxide*



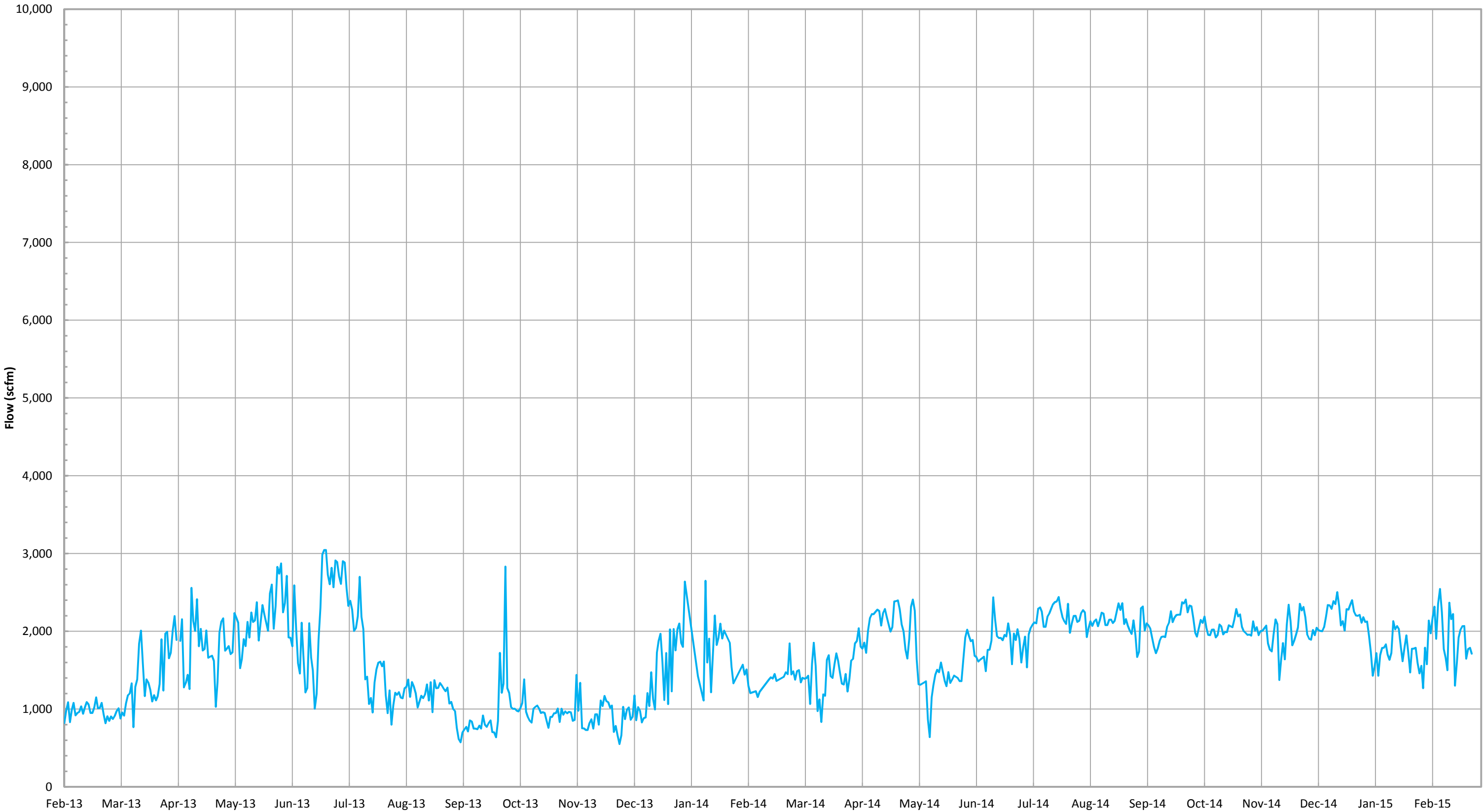
*Data collected from Laboratory Reports.

Total Combined Flow (scfm)*



*Combined flow is based on tabulated flow data collected daily from each device.

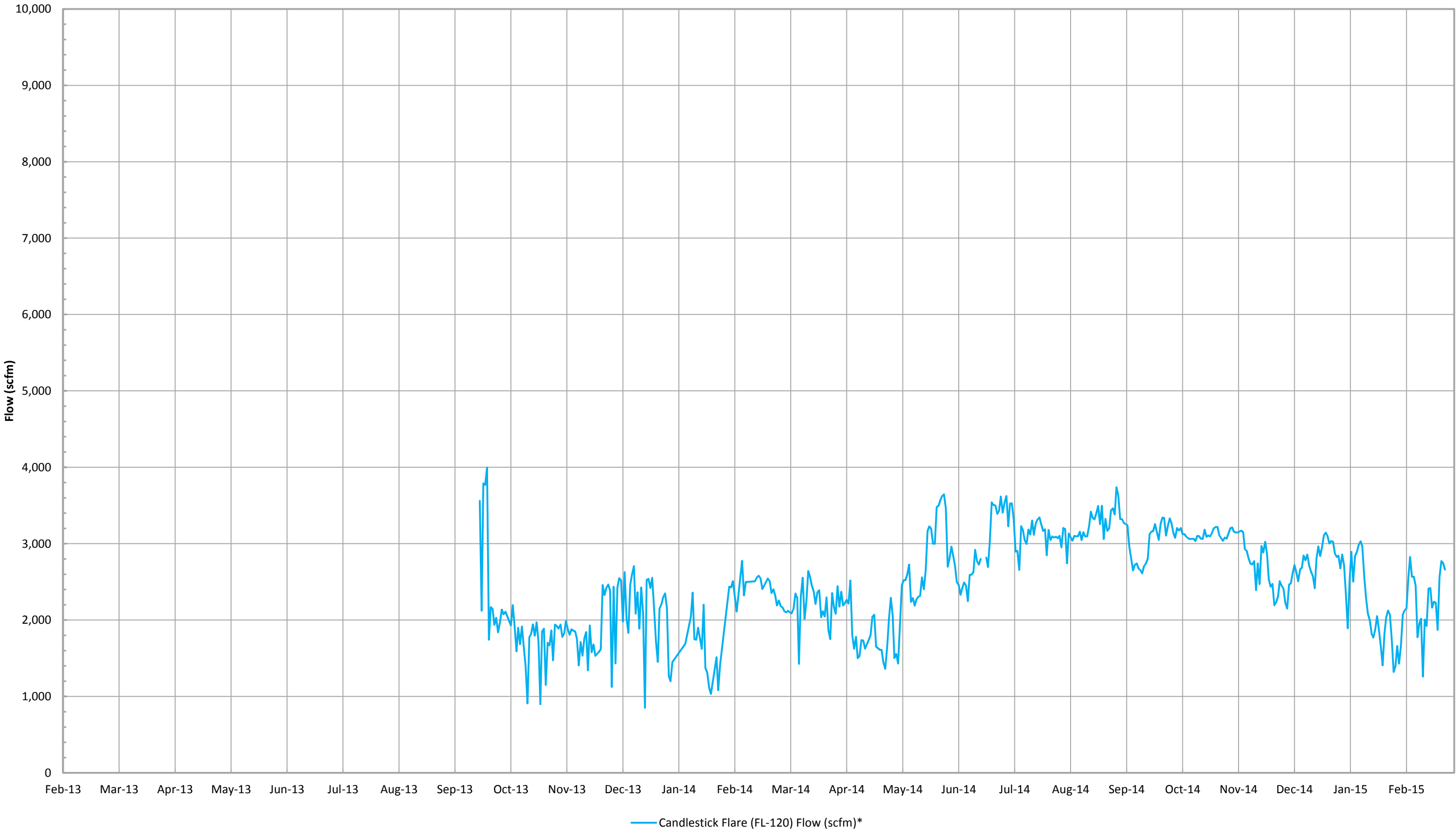
Candlestick Flare (FL-100) Flow (scfm)*



Candlestick Flare (FL-100) Flow (scfm)*

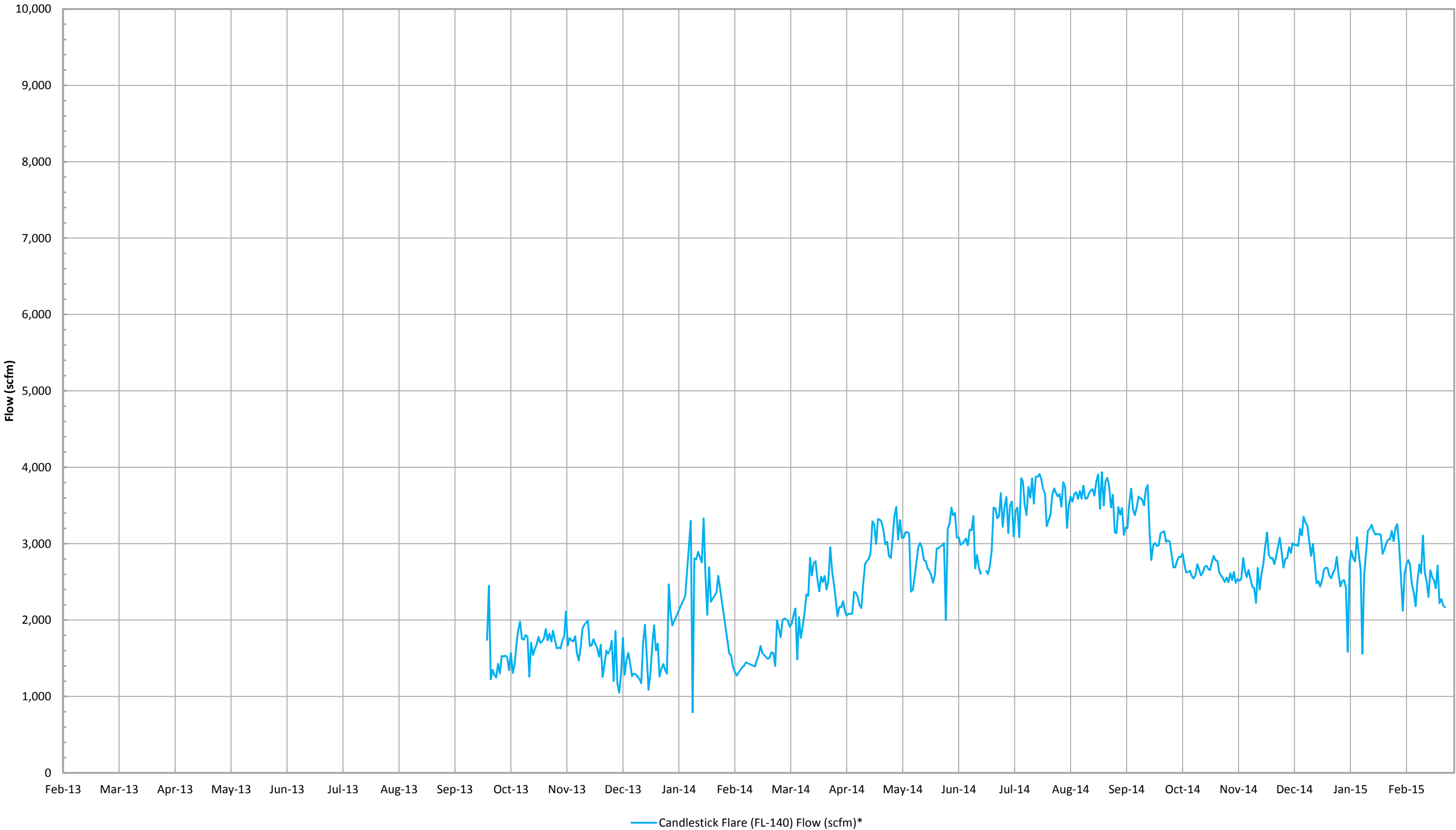
*Flow is based on tabulated flow data collected daily.

Candlestick Flare (FL-120) Flow (scfm)*



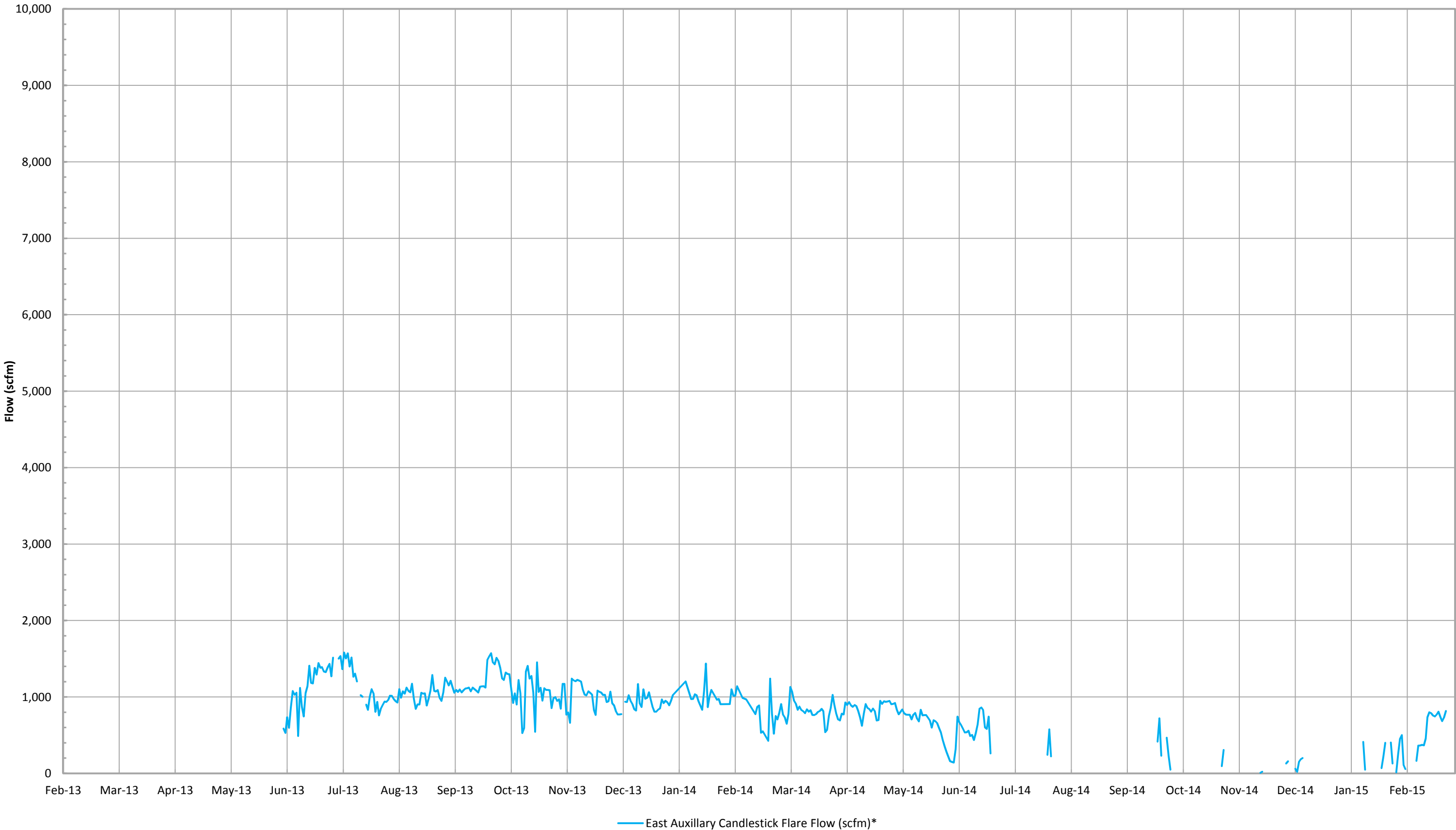
*Flow is based on tabulated flow data collected daily.

Candlestick Flare (FL-140) Flow (scfm)*



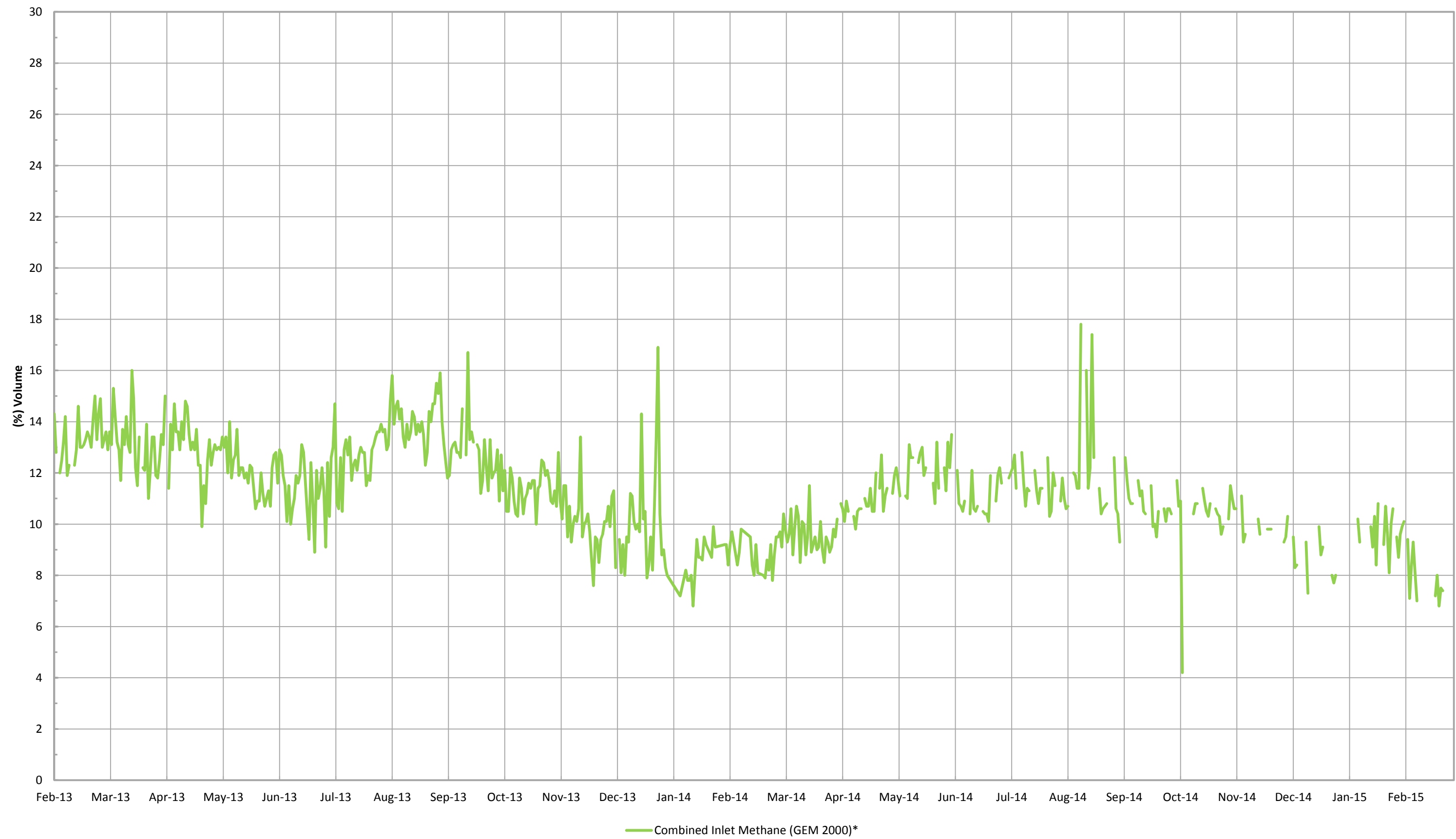
*Flow is based on tabulated flow data collected daily.

East Auxillary Candlestick Flare Flow (scfm)*



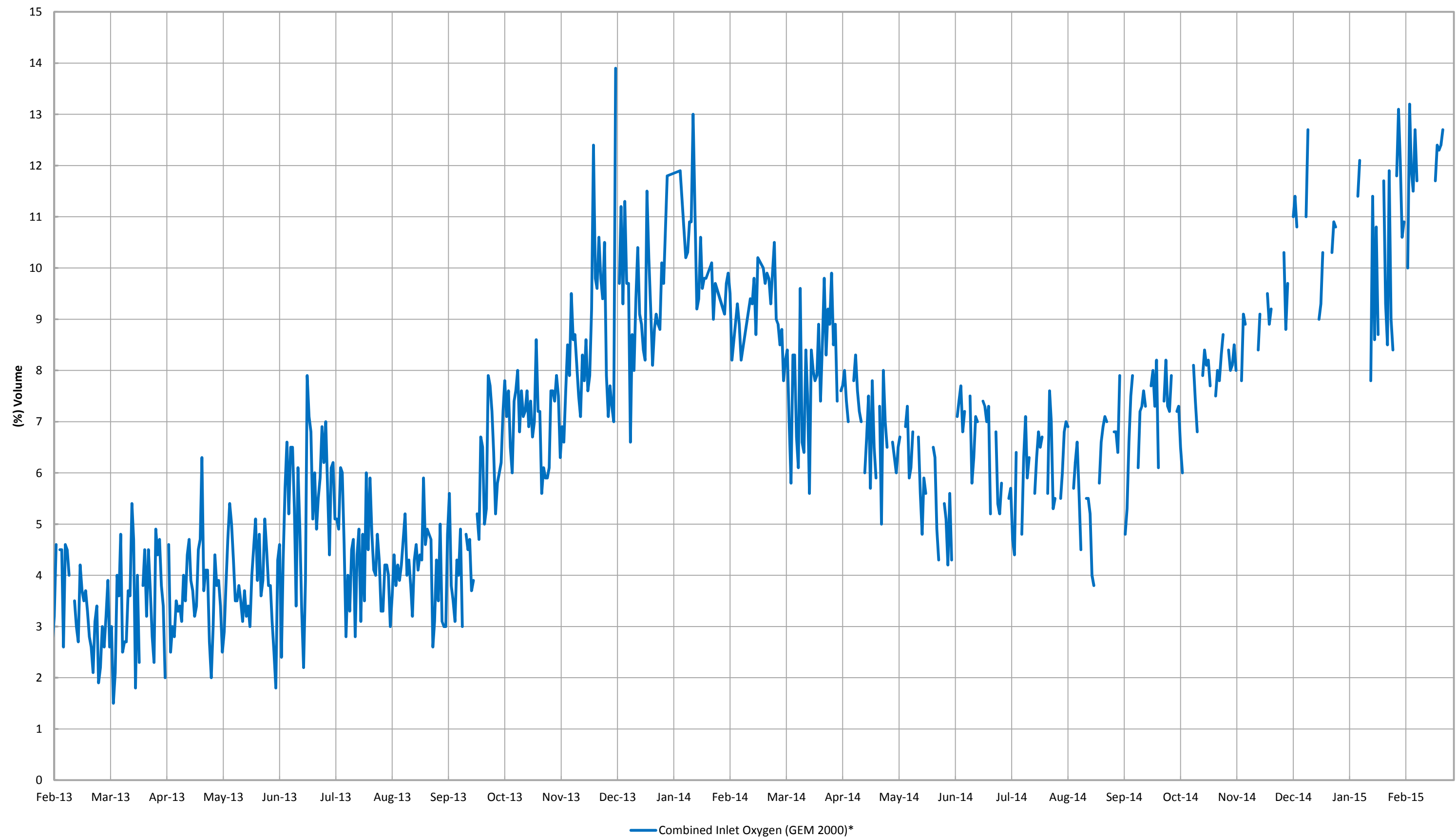
*Flow is based on tabulated flow data collected daily.

Combined Inlet Methane (GEM 2000)*



*Gas data collected from GEM 2000 field monitoring instrument.

Combined Inlet Oxygen (GEM 2000)*



*Gas data collected from GEM 2000 field monitoring instrument.

ATTACHMENT B

WORK COMPLETED AND PLANNED

Bridgeton Landfill, LLC

Monthly Summary of Work Completed and Planned

Work Completed in February 2015

Gas Collection and Control System

- Continued operation and maintenance of GCCS System and GIW wells.
- Complete electrical utility installation of the SE Grit and Lift station.

Alternative Heat Extraction System

- Glycol Cooler Installed

Leachate Management System

- Continued installation of the force main to Bissell treatment plant.
- Continued routine operation of previously installed and upgraded features.

Pre-Treatment Facility

- Ongoing operation of facility.

Work Planned for March 2015

Gas Collection and Control System

- Complete electrical utility installation for the new header CT-24.
- Continue operation and maintenance of GCCS system.
- Continue upgrades to GCCS system as required.

Alternative Heat Extraction System

- Expand HES to additional GIWs

Leachate Management System

- Complete installation of off-site leachate force main to Bissell treatment plant.
- Continue routine operation of previously installed and upgraded features.

Pre-Treatment Facility

- Ongoing operation of facility.

ATTACHMENT C

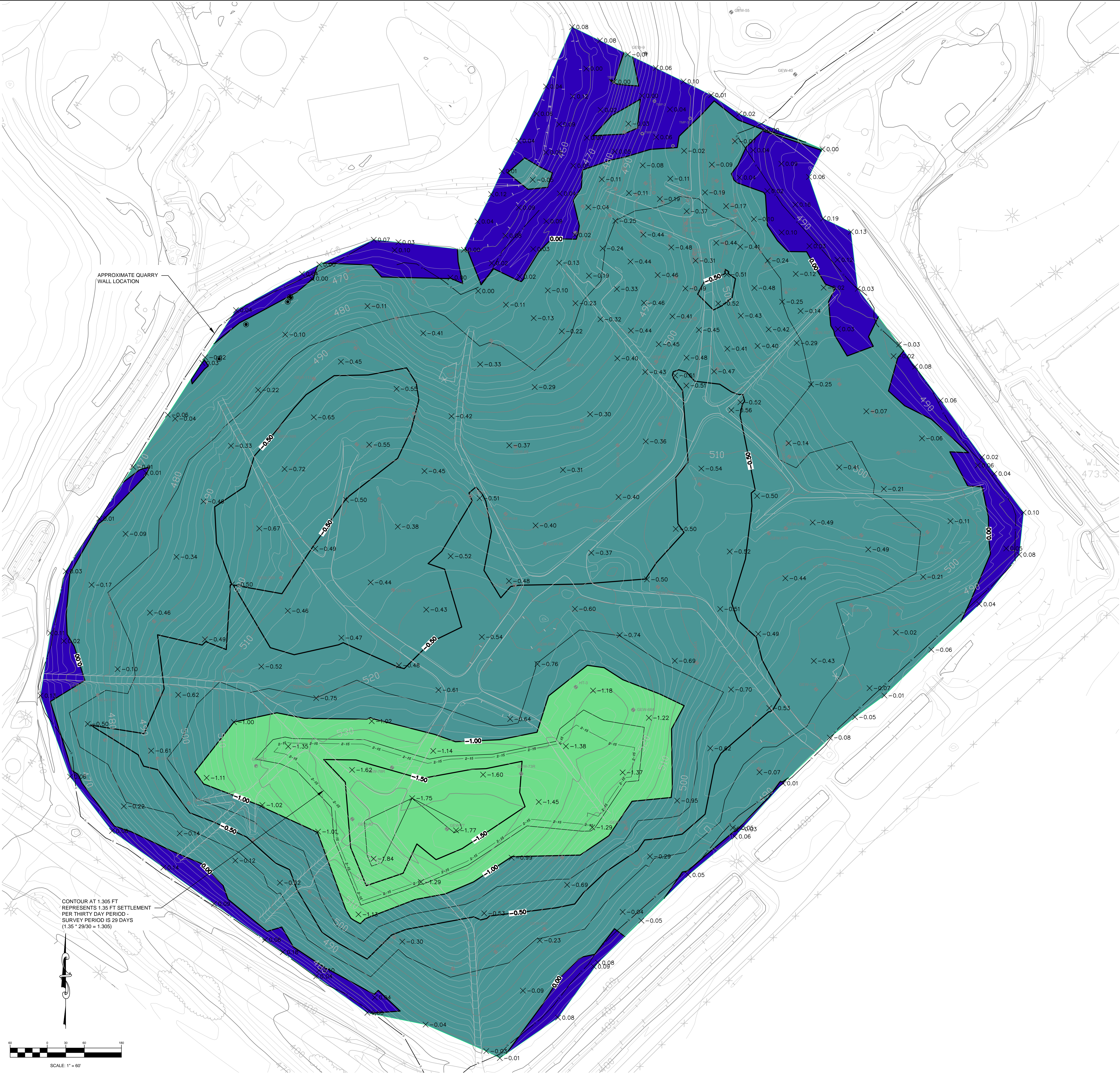
CARBON MONOXIDE MAPS

ATTACHMENT D

HYDROGEN MAPS

ATTACHMENT E

SETTLEMENT FRONT MAP



- LEGEND**
- TOPOGRAPHY (2' CONTOUR)
 - TOPOGRAPHY (10' CONTOUR)
 - ELEVATION CHANGE (0.25' CONTOUR)
 - ELEVATION CHANGE (0.50' CONTOUR)
 - FEBRUARY 13, 2015 SETTLEMENT FRONT

GENERAL NOTES:
1.) TOPOGRAPHY SHOWN BASED ON PHOTOGRAPHY DATED 3-20-2014.

- SETTLEMENT NOTES:**
1.) CONTOURS ARE OF CHANGE IN ELEVATION FROM 1/15/15 TO 2/13/15 PERFORMED AT GRID POINTS USING GPS METHODS.
2.) SETTLEMENT IS REPORTED AS A NEGATIVE CHANGE IN ELEVATION.
3.) ANY POINTS THAT WERE NOT A GROUND TO GROUND COMPARISON FROM THE PREVIOUS MONTH OR WERE NOT SURVEYED IN THE SAME LOCATION AS THE PREVIOUS MONTH HAVE BEEN FILTERED OUT.

ELEVATION CHANGE (FEET)				
Number	Minimum Elev. Change	Maximum Elev. Change	Area (sq.ft.)	Color
1	-5.00	-4.00	0.00	
2	-4.00	-3.00	0.00	
3	-3.00	-2.00	0.00	
4	-2.00	-1.00	167778.03	
5	-1.00	0.00	1215109.88	
6	0.00	1.00	154868.63	

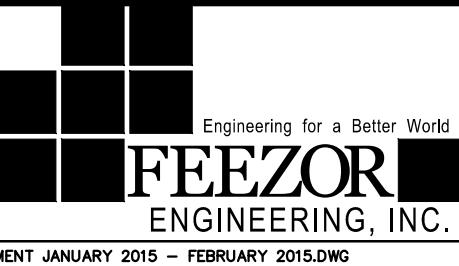
BRIDGETON LANDFILL, LLC
13670 SAINT CHARLES ROCK ROAD
BRIDGETON, MISSOURI 63044

BRIDGETON LANDFILL
SETTLEMENT MONITORING

SETTLEMENT FROM 1-15-15 TO 2-13-15
(29 DAYS)

PROJECT NUMBER: BT-021 | FILE PATH: S:\BRIDGETON LANDFILL\BT-021\SETTLEMENT DRAWINGS\FEBRUARY 2015\SETTLEMENT JANUARY 2015 - FEBRUARY 2015.DWG

DATE: FEB 2015
DESIGNED BY: DMK
APPROVED BY: ALK



REVISION | DATE

DRAWING NO.:
001

ATTACHMENT F

GAS WELLFIELD DATA

ATTACHMENT F-1

GEM DATA SPREADSHEET

February 2015 Wellfield Monitoring Data - Bridgeton Landfill

Well Name	Date Sampled	Methane	CO ₂	O ₂	Balance Gas	Init Temp	Adj Temp	Init Flow	Adj Flow	Init Static Press	Adj Static Press	System Pressure
		(%)				°F		scfm		"H ₂ O		
GEW-002	2/9/2015 11:19	57.8	39.6	0	2.6	116		13	13	-0.2	-0.2	-30.09
GEW-002	2/25/2015 8:34	57.3	40.5	0	2.2	121		35	38	-0.4	-0.5	-32.05
GEW-003	2/9/2015 11:24	56.3	40.6	0	3.1	55		11	9	-0.1	0.0	-30.28
GEW-003	2/25/2015 8:37	56.5	41.1	0	2.4	56		9	8	0.4	0.4	-31.31
GEW-003	2/25/2015 8:39	56.0	42.0	0	2.0	73		11	12	0.3	0.3	-31.31
GEW-004	2/9/2015 11:28	54.3	40.2	0	5.5	88		10	8	-0.1	-0.1	-29.30
GEW-004	2/25/2015 8:43	55.4	41.2	0	3.4	98		0	0	0.3	0.3	-32.97
GEW-004	2/25/2015 8:46	55.7	40.6	0	3.7	104		34	34	0.2	0.2	-31.38
GEW-005	2/9/2015 11:38	53.9	37.3	0	8.8	90		30	31	-0.1	-0.1	-29.72
GEW-005	2/25/2015 9:05	56.1	39.3	0	4.6	93		0	0	0.2	0.2	-32.23
GEW-005	2/25/2015 9:06	56.6	39.2	0	4.2	93		0	0	0.1	0.1	-30.21
GEW-006	2/9/2015 11:32	55.8	38.2	0	6.0	84		16	15	-0.1	-0.2	-29.93
GEW-006	2/25/2015 14:02	58.7	37.7	0	3.6	87		16	10	0.3	0.3	-29.97
GEW-006	2/25/2015 14:03	57.4	39.3	0	3.3	89		16	17	0.2	0.2	-30.21
GEW-007	2/9/2015 10:54	57.9	39.1	0	3.0	77		13	15	-0.8	-0.8	-19.43
GEW-007	2/25/2015 14:14	55.6	40.9	0	3.5	87		8	8	0.7	0.7	-29.42
GEW-007	2/25/2015 14:15	56.3	41.5	0	2.2	90		7	4	0.1	0.1	-30.21
GEW-008	2/2/2015 15:56	49.7	42.5	0	7.8	115		21	18	-1.0	-0.9	-34.94
GEW-008	2/9/2015 10:58	53.9	40.3	0	5.8	115		21	21	-1.4	-1.4	-30.36
GEW-008	2/14/2015 11:40	50.6	42.6	0	6.8	115		22	22	-1.8	-1.8	-33.33
GEW-008	2/14/2015 11:41	50.0	44.4	0	5.6	114		19	19	-1.6	-1.6	-34.31
GEW-008	2/20/2015 10:45	50.2	45.4	0	4.4	114		21	23	-0.3	-0.3	-31.03
GEW-008	2/24/2015 14:53	51.0	43.3	0	5.7	115		41	41	0.0	0.0	-29.54
GEW-008	2/24/2015 14:58	51.1	43.2	0	5.7	115		20	19	-0.1	-0.1	-29.72
GEW-009	2/2/2015 15:53	48.6	42.4	0	9.0	118		10	17	-0.3	-0.3	-12.83
GEW-009	2/9/2015 10:50	49.5	39.6	0	10.9	117		19	19	-0.9	-0.9	-20.40
GEW-009	2/14/2015 11:14	49.3	44.7	0	6.0	124		17	18	-1.3	-1.3	-29.85
GEW-009	2/14/2015 11:15	50.0	43.8	0	6.2	124		19	15	-1.2	-1.2	-29.24
GEW-009	2/20/2015 10:48	47.4	40.8	0	11.8	119		18	17	-0.6	-0.6	-29.75
GEW-009	2/24/2015 14:26	48.8	40.2	0	11.0	121		18	15	-0.5	-0.5	-27.46
GEW-009	2/24/2015 14:30	49.3	38.6	0	12.1	120		18	17	-0.4	-0.4	-28.01
GEW-010	2/2/2015 15:46	40.9	51.1	1.0	7.0	63				-7.8	-8.2	-15.82
GEW-010	2/14/2015 11:17	42.5	36.8	2.7	18.0	51				-16.1	-16.1	-21.47
GEW-010	2/14/2015 11:18	46.2	37.9	2.3	13.6	48				-14.1	-14.2	-25.63
GEW-010	2/20/2015 10:46	48.2	48.7	0	3.1	26				0.8	0.8	-29.11
GEW-010	2/20/2015 10:47	52.7	46.3	0	1.0	36				-14.7	-15.1	-26.97
GEW-010	2/24/2015 14:00	38.2	43.4	1.8	16.6	91				-26.9	-26.9	-27.46

February 2015 Wellfield Monitoring Data - Bridgeton Landfill

Well Name	Date Sampled	Methane	CO ₂	O ₂	Balance Gas	Init Temp	Adj Temp	Init Flow	Adj Flow	Init Static Press	Adj Static Press	System Pressure
		(%)				°F		scfm		"H ₂ O		
GEW-010	2/24/2015 14:04	35.7	36.6	3.4	24.3	83				-20.6	-20.6	-27.46
GEW-011	2/9/2015 9:27	2.1	59.7	0.2	38.0	187				-8.2	-8.2	-16.15
GEW-011	2/9/2015 9:29	1.7	60.9	0.3	37.1	187				-8.4	-8.5	-15.60
GEW-014A	2/25/2015 10:24	0.6	49.1	2.6	47.7	127				-11.2	-11.7	-20.67
GEW-016R	2/25/2015 10:47	1.1	58.0	0.3	40.6	196				-17.6	-16.7	-20.18
GEW-016R	2/25/2015 10:48	0.7	57.5	0.1	41.7	196				-10.3	-10.2	-18.72
GEW-020A	2/25/2015 15:24	0.6	42.1	8.5	48.8	63				-12.3	-12.7	-12.29
GEW-020A	2/25/2015 15:24	0.5	43.5	8.4	47.6	63				-12.2	-12.2	-11.87
GEW-021A	2/25/2015 15:26	0.3	36.0	10.3	53.4	87				-12.2	-12.7	-0.06
GEW-021A	2/25/2015 15:26	0.3	45.9	3.5	50.3	103				-12.3	-11.8	-0.06
GEW-022R	2/25/2015 15:28	2.7	61.1	0.1	36.1	188				-9.3	-8.3	-12.91
GEW-022R	2/25/2015 15:29	3.4	64.7	0.1	31.8	188				-3.3	-2.6	-12.78
GEW-023A	2/25/2015 15:31	0.2	58.2	1.8	39.8	108				-15.1	-16.1	-14.86
GEW-023A	2/25/2015 15:31	0.1	62.5	1.5	35.9	109				-14.2	-14.2	-13.88
GEW-025A	2/25/2015 15:35	0	63.2	0.1	36.7	186				-3.2	-2.8	-16.88
GEW-025A	2/25/2015 15:37	0.1	64.4	0.1	35.4	186				-1.4	-2.6	-16.76
GEW-026R	2/25/2015 15:39	0.3	65.3	1.0	33.4	186				-14.7	-14.2	-13.94
GEW-026R	2/25/2015 15:40	0.4	69.1	1.1	29.4	186				-13.7	-13.7	-13.15
GEW-027A	2/25/2015 15:42	0.1	34.2	14.8	50.9	70				-21.0	-21.0	-20.67
GEW-027A	2/25/2015 15:43	0	17.9	16.9	65.2	72				-4.1	-4.1	-20.73
GEW-028R	2/25/2015 15:47	0.3	61.2	0.4	38.1	163				-21.6	-21.5	-21.65
GEW-028R	2/25/2015 15:48	0.4	60.0	0.4	39.2	162				-7.4	-7.8	-21.10
GEW-029	2/25/2015 14:48	0.7	63.8	0	35.5	192	192	203	209	-15.0	-15.4	-22.29
GEW-034	2/25/2015 15:35	12.7	64.3	1.8	21.2	88	88	232	230	-16.3	-16.0	-27.62
GEW-034	2/25/2015 15:37	12.0	63.6	2.1	22.3	85	85	147	146	-6.6	-6.5	-27.73
GEW-035	2/25/2015 15:51	5.1	48.4	6.4	40.1	129	129	198	197	-12.8	-12.3	-11.92
GEW-037	2/25/2015 15:54	0.7	31.7	14.4	53.2	54				-26.9	-27.4	-26.97
GEW-037	2/25/2015 15:55	0.9	20.4	15.5	63.2	54				-26.9	-26.9	-26.48
GEW-038	2/2/2015 15:29	1.6	53.8	0	44.6	136				8.2	8.1	3.97
GEW-038	2/2/2015 15:31	0.6	58.2	0	41.2	139				3.5	3.6	3.60
GEW-038	2/14/2015 11:06	0.2	46.6	3.7	49.5	132				-25.8	-25.8	-25.44
GEW-038	2/14/2015 11:06	0.1	44.1	3.6	52.2	132				-27.4	-27.3	-27.40
GEW-038	2/20/2015 10:38	0.5	51.7	2.7	45.1	123				-20.3	-20.3	-20.06
GEW-038	2/24/2015 11:13	0.2	49.9	3.1	46.8	138				-33.5	-33.6	-33.27
GEW-038	2/24/2015 11:22	0.2	45.5	3.2	51.1	134				-34.6	-34.6	-35.96
GEW-039	2/2/2015 15:34	4.8	66.6	0	28.6	134				0.4	0.3	-8.19
GEW-039	2/2/2015 15:35	26.1	62.3	0	11.6	138				-0.4	-0.4	-7.45

February 2015 Wellfield Monitoring Data - Bridgeton Landfill

Well Name	Date Sampled	Methane	CO ₂	O ₂	Balance Gas	Init Temp	Adj Temp	Init Flow	Adj Flow	Init Static Press	Adj Static Press	System Pressure
		(%)				°F		scfm		"H ₂ O		
GEW-039	2/14/2015 11:11	30.9	50.0	0.2	18.9	131				-1.6	-1.6	-31.25
GEW-039	2/20/2015 10:44	31.8	61.2	0	7.0	133				-0.5	-0.5	-31.07
GEW-039	2/20/2015 10:44	32.4	57.4	0	10.2	133				-0.5	-0.5	-33.46
GEW-039	2/24/2015 13:45	35.3	49.0	0.3	15.4	137				-3.6	-3.7	-30.89
GEW-039	2/24/2015 13:49	35.2	48.4	0.4	16.0	127				-0.5	-0.5	-29.91
GEW-040	2/2/2015 16:08	52.9	43.4	0	3.7	87		12	12	-0.5	-0.5	-33.66
GEW-040	2/9/2015 10:44	51.9	42.8	0.1	5.2	84		0	0	-0.7	-0.8	-30.21
GEW-040	2/13/2015 8:49	54.0	40.3	0	5.7	82		18	18	-0.6	-0.6	-31.19
GEW-040	2/13/2015 8:54	53.5	40.0	0	6.5	82		14	15	-0.6	-0.6	-31.44
GEW-040	2/20/2015 10:53	52.8	42.2	0	5.0	84		36	37	-0.2	-0.3	-30.05
GEW-040	2/24/2015 14:10	53.5	43.4	0.1	3.0	85		36	36	-0.3	-0.3	-31.19
GEW-040	2/24/2015 14:14	54.3	41.6	0.1	4.0	85		34	34	-0.2	-0.2	-29.36
GEW-041R	2/2/2015 16:11	50.7	42.6	0	6.7	104		20	19	-0.6	-0.6	-32.50
GEW-041R	2/9/2015 10:51	55.5	37.9	0	6.6	101		20	18	-0.7	-0.7	-29.79
GEW-041R	2/13/2015 9:02	53.2	39.3	0	7.5	98		17	14	-0.4	-0.4	-29.05
GEW-041R	2/13/2015 9:07	53.7	38.8	0	7.5	98		41	42	-0.4	-0.4	-28.44
GEW-041R	2/20/2015 10:56	51.0	42.2	0	6.8	103		21	18	-0.3	-0.3	-32.19
GEW-041R	2/24/2015 15:17	51.8	40.4	0	7.8	101		12	13	-0.3	-0.3	-30.34
GEW-041R	2/24/2015 15:18	51.9	39.7	0	8.4	101		15	15	-0.3	-0.3	-30.09
GEW-042R	2/9/2015 10:55	55.8	39.1	0	5.1	43		11	10	-0.5	-0.4	-29.97
GEW-042R	2/24/2015 15:20	56.3	39.7	0	4.0	52		12	13	-0.1	-0.1	-28.87
GEW-043R	2/2/2015 16:15	51.0	40.8	0	8.2	122		44	47	-1.4	-1.4	-33.84
GEW-043R	2/2/2015 16:18	46.1	38.1	1.8	14.0	103		0	0	-0.1	-0.1	-28.34
GEW-043R	2/9/2015 11:00	57.4	40.6	0	2.0	37		11	10	0.1	0.1	-30.76
GEW-043R	2/13/2015 9:19	56.1	41.2	0	2.7	24		8	8	0.8	0.8	-27.89
GEW-043R	2/13/2015 9:25	56.6	40.0	0	3.4	49		14	9	0.5	0.5	-28.20
GEW-043R	2/20/2015 10:58	53.1	41.0	0	5.9	119		26	23	-0.4	-0.4	-31.70
GEW-043R	2/24/2015 15:23	55.2	39.6	0	5.2	119		24	26	-0.4	-0.4	-31.19
GEW-044	2/9/2015 11:04	46.8	36.1	0	17.1	80		4	4	-0.7	-0.7	-30.15
GEW-044	2/25/2015 8:15	51.9	36.3	0	11.8	89		6	8	-0.5	-0.5	-29.48
GEW-045R	2/9/2015 11:08	60.2	37.9	0	1.9	38		8	8	-0.4	-0.4	-29.60
GEW-045R	2/25/2015 8:19	60.1	38.5	0	1.4	42		11	11	-0.6	-0.6	-33.27
GEW-046R	2/9/2015 11:11	50.7	36.7	0	12.6	68		8	7	-0.2	-0.2	-30.15
GEW-046R	2/25/2015 8:23	54.6	39.9	0	5.5	75		0	0	0.1	0.1	-33.82
GEW-046R	2/25/2015 8:28	54.5	39.9	0	5.6	79		35	32	0.0	0.1	-32.60
GEW-047R	2/9/2015 11:35	52.2	37.2	0.4	10.2	106		14	15	-0.2	-0.2	-30.09
GEW-047R	2/25/2015 8:56	54.5	41.3	0	4.2	103		0	0	0.3	0.3	-30.95

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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
		(%)				°F		scfm		"H ₂ O		
GEW-047R	2/25/2015 8:58	54.4	41.8	0	3.8	111		24	25	0.2	0.2	-31.87
GEW-048	2/9/2015 11:34	58.2	40.5	0	1.3	99		31	31	-0.1	-0.1	-28.96
GEW-048	2/25/2015 13:54	59.2	37.9	0	2.9	101		17	17	0.3	0.3	-31.38
GEW-048	2/25/2015 13:55	58.6	38.8	0	2.6	103		15	17	0.2	0.2	-28.75
GEW-049	2/9/2015 11:19	41.3	38.0	0	20.7	101		29	28	-0.3	-0.3	-29.63
GEW-049	2/25/2015 14:20	57.4	39.7	0	2.9	105		11	10	0.2	0.2	-30.40
GEW-049	2/25/2015 14:21	56.8	40.0	0	3.2	107		14	11	0.1	0.1	-29.85
GEW-050	2/9/2015 11:27	57.3	40.4	0	2.3	103		14	14	-0.4	-0.4	-24.43
GEW-050	2/25/2015 14:07	57.6	38.1	0	4.3	106		15	14	0.3	0.3	-27.52
GEW-050	2/25/2015 14:09	57.1	39.7	0	3.2	107		24	29	0.1	0.1	-25.75
GEW-051	2/9/2015 11:15	53.6	43.5	0	2.9	111		11	7	-0.5	-0.5	-29.57
GEW-051	2/25/2015 14:23	54.4	40.0	0	5.6	116		12	11	0.4	0.4	-31.50
GEW-051	2/25/2015 14:24	54.2	40.7	0	5.1	120		14	10	0.3	0.3	-30.95
GEW-052	2/9/2015 11:24	51.9	39.1	0	9.0	102		8	14	-0.2	-0.2	-18.27
GEW-052	2/25/2015 14:11	54.8	39.7	0	5.5	112		8	9	0.1	0.2	-28.99
GEW-052	2/25/2015 14:12	55.3	40.5	0	4.2	113		12	9	0.1	0.1	-28.93
GEW-053	2/2/2015 15:59	48.7	43.9	0	7.4	131		20	19	-0.9	-0.9	-34.09
GEW-053	2/9/2015 11:12	53.0	42.4	0	4.6	131		21	19	-1.3	-1.3	-30.48
GEW-053	2/14/2015 11:33	50.8	42.5	0	6.7	133		20	19	-1.6	-1.6	-34.25
GEW-053	2/14/2015 11:35	50.7	43.0	0	6.3	133		15	14	-1.4	-1.4	-32.23
GEW-053	2/20/2015 11:04	49.5	45.5	0	5.0	132		17	23	0.1	0.1	-32.91
GEW-053	2/20/2015 11:05	51.1	42.7	0	6.2	134		20	17	-0.1	0.0	-31.13
GEW-053	2/24/2015 15:09	50.2	41.7	0	8.1	136		17	17	0.1	0.1	-29.85
GEW-053	2/24/2015 15:10	49.5	43.2	0	7.3	136		18	18	-0.1	0.0	-29.54
GEW-054	2/2/2015 16:02	49.1	43.7	0	7.2	148		32	29	-0.9	-0.9	-32.13
GEW-054	2/2/2015 16:02	49.9	43.2	0	6.9	148		34	36	-1.0	-0.9	-33.11
GEW-054	2/9/2015 11:04	51.9	43.7	0	4.4	138		27	31	-2.1	-2.1	-30.54
GEW-054	2/9/2015 11:05	53.3	43.8	0	2.9	137		28	33	-1.6	-1.5	-29.75
GEW-054	2/11/2015 9:20	52.9	46.0	0	1.1	145		37	38	-2.2	-2.3	-28.34
GEW-054	2/11/2015 9:22	52.8	44.5	0	2.7	144		33	33	-1.4	-1.4	-28.28
GEW-054	2/13/2015 9:38	52.1	42.3	0	5.6	142		21	24	-0.8	-0.8	-28.32
GEW-054	2/13/2015 9:44	53.1	40.7	0	6.2	141		27	23	-0.7	-0.7	-27.89
GEW-054	2/20/2015 11:01	52.3	40.9	0	6.8	141		22	28	-0.7	-0.7	-32.50
GEW-054	2/20/2015 11:01	53.1	40.3	0	6.6	140		26	30	-0.7	-0.7	-31.22
GEW-054	2/24/2015 15:13	51.2	42.3	0	6.5	141		24	24	-0.6	-0.6	-29.72
GEW-054	2/24/2015 15:14	51.5	42.8	0	5.7	141		21	27	-0.3	-0.3	-29.60
GEW-054	2/26/2015 10:29	55.0	41.0	0.2	3.8	141		8	8	-1.4	-1.4	-31.64

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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
		(%)				°F		scfm		"H ₂ O		
GEW-054	2/26/2015 10:34	53.9	40.7	0	5.4	141		0	0	-1.2	-1.2	-31.58
GEW-055	2/2/2015 16:06	51.5	43.2	0	5.3	123		6	15	-0.9	-0.9	-32.93
GEW-055	2/9/2015 11:01	50.9	43.9	0	5.2	122		13	13	-1.4	-1.4	-28.96
GEW-055	2/14/2015 11:28	51.0	44.5	0	4.5	122		12	9	-1.7	-1.7	-32.66
GEW-055	2/14/2015 11:30	51.3	43.6	0	5.1	118		13	13	-1.5	-1.5	-32.72
GEW-055	2/20/2015 10:51	51.9	40.2	0	7.9	120		12	13	-0.2	-0.2	-30.97
GEW-055	2/24/2015 14:18	51.8	42.2	0	6.0	119		11	8	0.0	0.0	-30.28
GEW-055	2/24/2015 14:22	52.2	41.5	0	6.3	119		35	35	-0.1	-0.1	-30.52
GEW-056R	2/2/2015 15:43	18.0	45.8	0.1	36.1	158				-7.7	-7.3	-11.42
GEW-056R	2/2/2015 15:43	17.7	49.1	0.1	33.1	158				-8.2	-8.0	-16.68
GEW-056R	2/14/2015 11:24	12.8	53.1	0	34.1	167				-12.7	-12.7	-30.03
GEW-056R	2/14/2015 11:24	13.5	51.1	0	35.4	167				-12.2	-11.8	-24.28
GEW-056R	2/20/2015 10:53	13.7	43.4	1.2	41.7	155				-13.7	-13.2	-19.82
GEW-056R	2/20/2015 10:53	13.5	41.4	1.3	43.8	155				-12.2	-12.2	-24.53
GEW-056R	2/24/2015 13:54	14.6	36.8	1.3	47.3	157				-13.7	-13.7	-27.71
GEW-056R	2/24/2015 13:58	14.6	34.0	1.4	50.0	157				-12.7	-12.7	-27.34
GEW-057B	2/25/2015 11:21	0.6	57.7	0.2	41.5	181				-22.0	-21.4	-22.45
GEW-057B	2/25/2015 11:22	0.6	60.5	0.2	38.7	182				-21.4	-21.5	-22.08
GEW-057R	2/25/2015 11:20	1.8	55.2	0.6	42.4	187				-21.4	-21.9	-21.47
GEW-057R	2/25/2015 11:20	1.0	57.2	0.5	41.3	187				-20.9	-20.6	-22.08
GEW-058	2/25/2015 11:10	1.0	53.3	0.2	45.5	193				-6.7	-6.7	-23.73
GEW-058	2/25/2015 11:10	1.0	59.6	0.2	39.2	193				-7.7	-7.7	-24.95
GEW-059R	2/25/2015 11:07	0.8	56.1	0	43.1	188				4.0	4.3	7.83
GEW-059R	2/25/2015 11:07	0.4	55.0	0.2	44.4	187				2.1	2.9	7.89
GEW-061B	2/25/2015 11:26	0	17.9	18.7	63.4	47				-21.9	-21.9	-22.14
GEW-061B	2/25/2015 11:26	0	13.8	18.9	67.3	47				-22.0	-22.0	-22.08
GEW-065A	2/25/2015 14:48	1.8	60.1	0	38.1	194				-19.6	-19.1	-19.63
GEW-065A	2/25/2015 14:48	1.2	60.5	0	38.3	194				-19.0	-18.6	-18.72
GEW-066	2/25/2015 11:36	1.6	53.7	0.5	44.2	196				-14.0	-14.0	-22.45
GEW-066	2/25/2015 11:37	1.6	55.2	0.4	42.8	196				-12.2	-12.1	-21.59
GEW-067A	2/9/2015 9:50	2.4	55.4	0.7	41.5	192				-17.5	-17.6	-17.55
GEW-067A	2/9/2015 9:51	1.4	57.4	0.8	40.4	192				-17.1	-17.5	-17.00
GEW-069R	2/25/2015 14:55	4.0	24.7	13.1	58.2	49				-19.1	-19.2	-0.12
GEW-069R	2/25/2015 14:55	2.2	22.5	13.5	61.8	50				-16.7	-17.6	-0.06
GEW-070R	2/25/2015 14:58	1.6	40.7	5.8	51.9	83				-22.0	-22.0	-21.65
GEW-070R	2/25/2015 14:58	1.6	42.4	5.9	50.1	84				-20.6	-21.6	-21.59
GEW-071	2/25/2015 10:55	0.7	55.7	0	43.6	200				-0.9	-0.3	-1.04

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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
		(%)				°F		scfm		"H ₂ O		
GEW-071	2/25/2015 10:56	0.7	58.1	0	41.2	200				-0.2	-0.1	-0.61
GEW-075	2/25/2015 15:03	5.8	24.6	7.5	62.1	63				-8.9	-8.8	-18.41
GEW-075	2/25/2015 15:03	5.0	24.9	7.4	62.7	66				-1.0	-1.0	-17.55
GEW-080	2/25/2015 15:11	1.2	50.6	0.4	47.8	196				-7.6	-12.2	-13.82
GEW-080	2/25/2015 15:12	0.3	60.5	0.1	39.1	197				-5.0	-6.8	-14.13
GEW-082R	2/25/2015 15:15	0.3	46.8	0.1	52.8	192				-5.4	-5.4	-17.61
GEW-082R	2/25/2015 15:15	0.9	54.5	0.1	44.5	192				-5.0	-4.9	-17.55
GEW-083	2/25/2015 11:34	0.1	8.0	20.4	71.5	46				-18.6	-18.6	-21.90
GEW-083	2/25/2015 11:35	0	5.8	20.1	74.1	47				-19.0	-19.1	-21.16
GEW-084	2/25/2015 10:58	1.6	63.5	0	34.9	73				2.2	2.3	0.37
GEW-084	2/25/2015 10:59	1.8	64.9	0	33.3	76				1.0	1.5	0.43
GEW-086	2/25/2015 11:38	1.1	34.0	7.4	57.5	71				-21.8	-21.5	-21.71
GEW-086	2/25/2015 11:39	0.4	38.1	7.3	54.2	71				-21.5	-22.0	-21.59
GEW-089	2/25/2015 11:32	5.6	26.8	16.4	51.2	48				-19.5	-19.5	-21.16
GEW-089	2/25/2015 11:33	1.5	18.7	17.8	62.0	48				-8.8	-8.7	-22.45
GEW-090	2/25/2015 11:04	2.8	54.3	0.1	42.8	193				-23.9	-22.7	-22.75
GEW-090	2/25/2015 11:05	2.6	57.0	0	40.4	193				-20.0	-20.5	-20.61
GEW-101	2/25/2015 14:57	0.4	35.2	12.4	52.0	105	105	288	291	-24.4	-24.8	-25.00
GEW-101	2/25/2015 14:58	0.4	34.3	12.9	52.4	101	101	287	288	-23.4	-23.9	-24.01
GEW-103	2/25/2015 15:30	0.6	13.6	18.2	67.6	58	58	99	101	-2.6	-2.4	-10.42
GEW-104	2/25/2015 11:13	0.3	49.7	4.9	45.1	75				-20.5	-20.0	-20.55
GEW-105	2/25/2015 15:43	9.5	48.2	7.5	34.8	57	57	317	316	-27.5	-27.4	-27.52
GEW-105	2/25/2015 15:45	10.5	56.2	4.9	28.4	58	58	278	276	-21.7	-21.4	-21.26
GEW-107	2/25/2015 15:57	0.5	68.1	0	31.4	67	67			17.5	17.7	17.12
GEW-107	2/25/2015 15:58	0.5	68.7	0	30.8	67	67			17.4	17.9	17.72
GEW-109	2/2/2015 15:37	24.2	63.0	0	12.8	122				2.3	2.3	2.02
GEW-109	2/2/2015 15:38	3.1	54.1	0	42.8	126				2.2	2.2	2.02
GEW-109	2/14/2015 11:08	1.0	54.9	1.0	43.1	138				-24.4	-24.4	-24.34
GEW-109	2/14/2015 11:08	1.3	57.4	0.4	40.9	135				-22.4	-22.4	-22.02
GEW-109	2/14/2015 11:10	29.3	52.1	0.1	18.5	134				-3.8	-3.8	-29.85
GEW-109	2/20/2015 10:40	2.1	59.4	0.2	38.3	181				-23.3	-23.1	-23.49
GEW-109	2/20/2015 10:41	2.9	60.8	0.1	36.2	181				-25.3	-25.3	-26.79
GEW-109	2/24/2015 11:27	2.0	57.1	1.1	39.8	94				-31.3	-31.3	-31.19
GEW-109	2/24/2015 11:31	2.0	54.0	1.0	43.0	95				-31.3	-31.3	-31.13
GEW-110	2/2/2015 15:49	4.8	29.7	12.4	53.1	47				-13.8	-16.5	-14.36
GEW-110	2/14/2015 11:21	13.7	53.5	0	32.8	176				-23.4	-25.4	-24.46
GEW-110	2/14/2015 11:22	13.4	54.9	0	31.7	173				-12.8	-12.7	-29.11

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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
		(%)				°F		scfm		"H ₂ O		
GEW-110	2/20/2015 10:50	16.1	48.4	1.3	34.2	173				-12.2	-12.2	-25.93
GEW-110	2/20/2015 10:50	15.8	48.7	1.3	34.2	172				-12.1	-12.2	-27.77
GEW-110	2/26/2015 10:39	23.2	51.0	0.1	25.7	157				-22.4	-22.3	-23.34
GEW-110	2/26/2015 10:43	22.5	51.8	0.2	25.5	156				-21.0	-21.0	-24.43
GEW-116	2/25/2015 15:21	1.5	15.4	16.3	66.8	61				-17.6	-17.6	-17.68
GEW-116	2/25/2015 15:21	2.1	14.2	16.2	67.5	63				-17.1	-17.0	-17.80
GEW-120	2/9/2015 15:08	1.2	64.7	0	34.1	197				15.6	15.7	16.57
GEW-120	2/9/2015 15:08	1.3	68.3	0	30.4	197				12.5	13.2	16.57
GEW-120	2/24/2015 10:37	0.8	16.3	17.2	65.7	34				-6.5	-6.5	-6.35
GEW-120	2/24/2015 10:38	3.3	17.7	18.1	60.9	34				-5.8	-6.2	-5.80
GEW-121	2/9/2015 15:03	3.0	63.1	0	33.9	193				-8.8	-8.9	-10.46
GEW-121	2/9/2015 15:04	1.9	64.5	0	33.6	193				-8.8	-8.9	-9.91
GEW-121	2/24/2015 14:02	1.7	61.2	0	37.1	192				-11.7	-11.7	-12.52
GEW-121	2/24/2015 14:03	1.7	61.5	0	36.8	192				-11.8	-11.8	-12.71
GEW-122	2/9/2015 14:30	4.2	56.8	0	39.0	185				-6.9	-7.3	-8.56
GEW-122	2/9/2015 14:31	4.2	59.2	0	36.6	185				-8.4	-8.9	-8.44
GEW-122	2/24/2015 14:11	4.2	57.5	0	38.3	193				-8.6	-8.4	-13.81
GEW-122	2/24/2015 14:12	4.2	56.1	0	39.7	193				-8.8	-8.7	-14.29
GEW-123	2/9/2015 15:00	12.5	56.9	0.6	30.0	174				-7.5	-7.4	-7.77
GEW-123	2/9/2015 15:01	10.9	57.8	0.8	30.5	174				-7.3	-7.4	-7.65
GEW-123	2/24/2015 14:15	11.0	58.8	0.1	30.1	184				-6.2	-6.0	-10.38
GEW-123	2/24/2015 14:16	11.2	60.4	0.1	28.3	184				-6.3	-6.3	-10.26
GEW-124	2/9/2015 14:57	20.8	43.2	4.4	31.6	38				-6.8	-6.9	-12.60
GEW-124	2/24/2015 14:20	3.5	29.0	15.2	52.3	52				-0.7	-0.6	-15.70
GEW-124	2/24/2015 14:20	3.5	27.6	15.1	53.8	53				-0.5	-0.5	-15.21
GEW-125	2/9/2015 14:54	0.8	51.6	3.0	44.6	44				-10.7	-10.7	-10.64
GEW-125	2/24/2015 14:25	1.8	26.2	12.3	59.7	61				-15.2	-15.1	-15.33
GEW-125	2/24/2015 14:26	0.7	32.7	9.1	57.5	65				-15.1	-15.1	-15.46
GEW-127	2/9/2015 14:49	0.3	40.4	10.6	48.7	41				-5.0	-4.9	-5.02
GEW-127	2/9/2015 14:50	0.3	38.5	10.5	50.7	42				-4.9	-4.7	-4.95
GEW-127	2/24/2015 15:05	0.2	35.0	14.1	50.7	52				-8.3	-8.3	-8.37
GEW-127	2/24/2015 15:06	0.1	28.5	15.0	56.4	53				-8.2	-8.4	-8.37
GEW-128	2/9/2015 14:43	2.3	58.8	0	38.9	183				-10.7	-10.3	-10.28
GEW-128	2/9/2015 14:44	1.4	62.6	0	36.0	183				-5.0	-5.4	-10.83
GEW-128	2/24/2015 15:10	2.2	57.9	0.4	39.5	182				-8.8	-7.8	-15.70
GEW-128	2/24/2015 15:12	1.7	59.2	0.2	38.9	182				-8.8	-7.9	-15.64
GEW-131	2/9/2015 14:34	14.6	54.3	0	31.1	153				-5.4	-5.4	-8.62

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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
		(%)				°F		scfm		"H ₂ O		
GEW-131	2/9/2015 14:35	15.7	57.0	0.1	27.2	152				-5.4	-5.4	-7.77
GEW-131	2/24/2015 11:00	14.3	57.7	0.1	27.9	151				-6.2	-6.3	-8.25
GEW-131	2/24/2015 11:00	14.2	59.1	0.1	26.6	151				-6.2	-6.3	-9.47
GEW-132	2/9/2015 14:26	5.6	58.7	0.1	35.6	190				-1.5	-1.6	-10.03
GEW-132	2/9/2015 14:27	5.4	61.0	0.2	33.4	190				-1.4	-1.3	-8.93
GEW-132	2/24/2015 10:50	12.2	57.1	0.4	30.3	188				-3.5	-3.4	-10.32
GEW-132	2/24/2015 10:51	8.5	61.5	0.1	29.9	188				-3.3	-3.3	-10.26
GEW-133	2/9/2015 15:13	0.7	16.8	16.9	65.6	41				-12.9	-13.7	-12.97
GEW-133	2/9/2015 15:14	0.9	15.0	16.8	67.3	41				-12.8	-12.3	-12.72
GEW-133	2/24/2015 10:33	0.4	22.1	16.3	61.2	33				-9.5	-9.8	-9.77
GEW-133	2/24/2015 10:34	0.4	21.4	16.4	61.8	33				-8.5	-8.7	-8.80
GEW-134	2/9/2015 14:22	0.3	39.1	7.6	53.0	38				-12.7	-12.3	-12.29
GEW-134	2/9/2015 14:23	0.4	39.7	7.9	52.0	39				-12.2	-12.2	-12.35
GEW-134	2/24/2015 10:30	0.3	14.6	15.1	70.0	40				-9.2	-9.2	-9.71
GEW-134	2/24/2015 10:30	0.3	17.2	15.7	66.8	42				-9.5	-9.5	-9.65
GEW-135	2/9/2015 14:18	0.5	14.8	18.4	66.3	39				-14.4	-14.7	-14.31
GEW-135	2/9/2015 14:19	0.2	12.0	18.4	69.4	40				-12.5	-12.2	-11.56
GEW-135	2/24/2015 10:26	0.7	20.4	18.2	60.7	39				-9.2	-9.5	-9.35
GEW-135	2/24/2015 10:26	0.5	17.0	18.5	64.0	40				-9.2	-9.4	-8.86
GEW-136	2/9/2015 14:14	1.5	22.6	15.3	60.6	140				-5.4	-5.4	-11.31
GEW-136	2/9/2015 14:15	1.6	20.3	15.3	62.8	140				-5.4	-5.4	-12.91
GEW-136	2/24/2015 10:16	1.7	31.0	14.9	52.4	131				-3.3	-3.3	-9.84
GEW-136	2/24/2015 10:16	1.5	25.1	16.5	56.9	131				-3.5	-3.5	-11.12
GEW-137	2/9/2015 14:02	10.0	23.9	11.1	55.0	38				-13.7	-14.2	-14.74
GEW-137	2/9/2015 14:03	3.3	32.1	8.8	55.8	38				-11.2	-12.2	-11.31
GEW-137	2/24/2015 10:10	0.6	46.2	10.9	42.3	35				-2.2	-3.0	-2.44
GEW-137	2/24/2015 10:11	2.6	37.7	10.9	48.8	36				-3.2	-2.6	-3.73
GEW-138	2/9/2015 14:02	0.8	56.2	1.0	42.0	143				-10.2	-10.3	-13.99
GEW-138	2/9/2015 14:03	0.3	54.5	1.1	44.1	143				-11.8	-12.0	-14.60
GEW-138	2/24/2015 10:06	3.0	56.7	0.3	40.0	125				-1.4	-1.4	-3.48
GEW-139	2/9/2015 14:13	1.8	60.8	0	37.4	194				-4.7	-4.8	-10.45
GEW-139	2/9/2015 14:13	0.7	61.8	0	37.5	194				-4.7	-4.6	-9.71
GEW-139	2/24/2015 11:04	3.7	58.0	0.1	38.2	194				-4.8	-4.9	-10.93
GEW-139	2/24/2015 11:05	1.8	61.2	0.1	36.9	194				-4.8	-4.9	-10.51
GEW-140	2/9/2015 14:07	11.1	60.9	0	28.0	183				-4.6	-5.6	-1.77
GEW-140	2/9/2015 14:08	11.1	60.4	0	28.5	183				-4.9	-5.1	-12.65
GEW-140	2/24/2015 14:36	8.6	52.6	0.2	38.6	187				-11.8	-12.8	-11.12

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		(%)				°F		scfm		"H ₂ O		
GEW-140	2/24/2015 14:39	9.5	53.3	0.1	37.1	187				-13.2	-12.4	-14.60
GEW-141	2/9/2015 14:18	2.7	27.6	16.8	52.9	39				-13.3	-13.7	-13.99
GEW-141	2/9/2015 14:19	3.1	23.8	17.0	56.1	39				-13.4	-13.4	-13.32
GEW-141	2/24/2015 14:40	11.9	50.9	3.9	33.3	71				-22.0	-21.9	-22.11
GEW-142	2/9/2015 14:24	1.1	41.9	3.9	53.1	104				-10.1	-10.2	-11.18
GEW-142	2/24/2015 14:43	0.9	51.1	1.2	46.8	178				-21.5	-21.9	-22.48
GEW-142	2/24/2015 14:44	0.4	55.1	1.0	43.5	179				-21.5	-21.4	-22.17
GEW-143	2/9/2015 14:28	0.2	55.1	0	44.7	192				-12.8	-12.7	-13.62
GEW-143	2/9/2015 14:29	0.2	55.1	0.1	44.6	192				-10.7	-12.0	-11.55
GEW-143	2/24/2015 14:48	0.2	56.2	0.2	43.4	189				-23.4	-22.5	-23.21
GEW-143	2/24/2015 14:49	0.1	52.8	0.2	46.9	190				-26.3	-23.5	-25.53
GEW-144	2/9/2015 14:32	1.2	36.1	11.5	51.2	40				-12.1	-13.5	-13.44
GEW-144	2/9/2015 14:32	1.1	34.5	11.4	53.0	40				-14.3	-13.8	-14.54
GEW-144	2/24/2015 14:55	0.5	44.9	8.8	45.8	76				-21.9	-21.5	-21.99
GEW-144	2/24/2015 14:56	1.3	41.2	7.0	50.5	76				-21.9	-21.8	-21.87
GEW-145	2/9/2015 14:40	0.7	30.4	14.4	54.5	45				-16.8	-16.2	-16.49
GEW-145	2/9/2015 14:40	0.4	28.2	14.2	57.2	48				-16.3	-17.3	-16.49
GEW-145	2/24/2015 14:59	0.3	41.0	9.6	49.1	63				1.4	1.4	1.41
GEW-145	2/24/2015 15:00	0.3	38.2	9.3	52.2	64				1.4	1.4	1.41
GEW-146	2/9/2015 14:45	11.7	51.8	0.8	35.7	97				-2.6	-2.7	-15.46
GEW-146	2/24/2015 10:03	14.6	52.4	0.2	32.8	82				-1.8	-1.8	-13.19
GEW-147	2/9/2015 14:50	3.3	51.1	0	45.6	194				-8.1	-7.1	-8.19
GEW-147	2/9/2015 14:50	2.9	55.5	0	41.6	194				-7.6	-6.5	-7.76
GEW-149	2/9/2015 9:43	1.6	62.9	0	35.5	159				-0.3	-0.2	-18.04
GEW-149	2/9/2015 9:44	1.7	65.9	0	32.4	161				-0.2	-0.2	-17.49
GEW-149	2/9/2015 15:07	4.8	59.0	0	36.2	168				-0.3	-0.3	-20.34
GEW-149	2/9/2015 15:08	3.0	58.2	0	38.8	168				-0.3	-0.3	-19.49
GEW-149	2/24/2015 9:25	8.9	58.8	0.1	32.2	183				-0.1	0.0	-10.87
GEW-149	2/24/2015 9:26	7.7	63.0	0	29.3	183				-0.1	-0.1	-10.57
GEW-150	2/9/2015 15:11	6.2	65.6	0.9	27.3	177				-10.6	-11.0	-11.61
GEW-150	2/9/2015 15:12	6.7	65.9	0.9	26.5	177				-12.2	-12.1	-13.07
GEW-150	2/24/2015 11:12	2.5	63.4	3.2	30.9	171				-28.7	-27.3	-29.14
GEW-150	2/24/2015 11:12	4.1	59.7	3.3	32.9	172				-28.5	-29.6	-29.38
GEW-151	2/9/2015 14:59	0.1	31.3	18.2	50.4	39				-17.9	-17.7	-18.39
GEW-151	2/9/2015 14:59	0.1	24.7	18.1	57.1	39				-16.8	-17.0	-16.00
GEW-151	2/24/2015 9:57	2.7	32.6	16.7	48.0	35				-19.4	-19.1	-18.88
GEW-151	2/24/2015 9:58	0.5	20.2	18.5	60.8	38				-20.0	-20.0	-21.56

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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
		(%)				°F		scfm		"H ₂ O		
GEW-152	2/9/2015 15:17	7.3	60.0	0	32.7	195				-14.9	-14.9	-24.68
GEW-152	2/9/2015 15:17	10.3	59.0	0	30.7	194				-17.1	-17.1	-24.68
GEW-153	2/9/2015 15:21	18.6	51.6	0	29.8	140				-8.1	-8.2	-8.25
GEW-153	2/9/2015 15:21	18.5	51.1	0	30.4	139				-8.5	-8.5	-8.80
GEW-153	2/24/2015 11:19	13.8	53.8	0.1	32.3	146				-8.1	-7.7	-7.82
GEW-153	2/24/2015 11:19	15.4	54.0	0.2	30.4	146				-7.9	-7.9	-7.94
GEW-154	2/9/2015 15:25	33.1	54.2	0	12.7	154				-19.2	-19.6	-19.06
GEW-154	2/9/2015 15:25	34.0	54.6	0.1	11.3	154				-20.7	-18.7	-20.83
GEW-154	2/24/2015 9:30	10.1	55.5	6.0	28.4	177				-8.2	-8.3	-10.32
GEW-154	2/24/2015 9:30	12.7	48.7	6.1	32.5	177				-7.3	-7.3	-10.87
GEW-155	2/9/2015 15:31	3.1	55.4	0.3	41.2	172				-10.9	-10.7	-11.18
GEW-155	2/9/2015 15:31	1.6	56.6	0.7	41.1	173				-10.4	-10.4	-10.69
GEW-155	2/24/2015 10:56	6.5	49.3	4.0	40.2	130				-2.5	-2.1	-2.99
GEW-156	2/9/2015 15:03	27.9	58.5	0.3	13.3	130				-16.6	-16.5	-18.02
GEW-156	2/24/2015 9:47	23.4	61.0	0	15.6	176				-18.4	-18.5	-21.50
GEW-156	2/24/2015 9:48	22.9	59.9	0	17.2	176				-18.7	-18.8	-21.50
GIW-01	2/6/2015 9:20	2.1	67.1	0	30.8	186		0	12	-6.7	-6.5	-10.15
GIW-01	2/11/2015 14:51	3.2	63.4	0.1	33.3	187		43	43	-7.5	-7.5	-21.47
GIW-01	2/11/2015 14:57	2.8	62.6	0.1	34.5	187		0	10	-10.3	-9.7	-20.18
GIW-01	2/20/2015 10:20	2.6	64.1	0.2	33.1	187		12	12	-13.1	-13.1	-23.00
GIW-01	2/20/2015 10:21	2.7	66.1	0.1	31.1	186		46	0	-12.6	-12.1	-28.32
GIW-01	2/28/2015 9:49	3.7	63.7	0	32.6	195		60	60	-13.9	-14.2	-22.97
GIW-01	2/28/2015 9:50	3.9	65.2	0.1	30.8	195		57	51	-12.9	-12.8	-21.44
GIW-02	2/6/2015 9:09	1.4	51.7	2.7	44.2	34		10	4	-10.8	-10.3	-10.95
GIW-02	2/6/2015 9:11	1.3	59.8	1.0	37.9	34		11	10	-10.3	-9.8	-11.25
GIW-02	2/11/2015 10:06	1.3	62.1	2.1	34.5	43		8	10	-14.2	-14.4	-20.98
GIW-02	2/11/2015 10:15	1.2	58.9	2.8	37.1	44		9	9	-5.6	-5.5	-20.31
GIW-02	2/20/2015 10:02	1.1	50.6	4.4	43.9	23		8	8	-9.3	-9.3	-22.94
GIW-02	2/20/2015 10:03	1.0	55.1	3.6	40.3	24		0	4	-5.9	-5.9	-23.49
GIW-02	2/28/2015 9:35	1.5	43.6	10.2	44.7	26		7	6	-0.2	-0.2	-22.48
GIW-03	2/6/2015 8:56	0.4	57.9	1.6	40.1	34		0	0	-0.3	-0.3	-13.58
GIW-03	2/10/2015 14:22	0.4	64.2	0.2	35.2	77		4	0	-0.1	-0.2	-19.14
GIW-03	2/10/2015 14:28	0.2	60.6	0.3	38.9	76		13	6	-0.3	-0.2	-18.65
GIW-03	2/20/2015 9:50	0.4	64.1	0	35.5	24		0	15	0.2	0.3	-21.04
GIW-03	2/20/2015 9:50	0.4	63.7	0	35.9	25		0	15	-16.5	-16.1	-24.89
GIW-03	2/28/2015 9:24	0.3	49.0	9.9	40.8	28		0	7	-14.2	-14.2	-24.92
GIW-03	2/28/2015 9:25	0.1	39.0	11.7	49.2	29		0	3	-14.2	-13.7	-25.60

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		(%)				°F		scfm		"H ₂ O		
GIW-04	2/6/2015 8:51	0.7	49.4	3.3	46.6	31		0	0	-11.3	-11.7	-0.43
GIW-04	2/6/2015 8:53	0.5	56.3	1.1	42.1	31		18	30	-11.7	-9.9	-0.31
GIW-04	2/10/2015 14:09	0.4	55.1	2.2	42.3	52		9	9	-18.6	-18.6	-0.24
GIW-04	2/10/2015 14:16	0.3	54.8	1.9	43.0	56		10	9	-18.6	-18.6	-0.31
GIW-04	2/20/2015 9:45	0.2	38.4	7.5	53.9	22		3	0	-11.7	-11.7	
GIW-04	2/20/2015 9:46	0.4	53.8	3.0	42.8	22		8	8	-10.8	-10.7	
GIW-04	2/28/2015 9:20	0.4	55.0	0	44.6	24		13	13	26.5	26.5	0
GIW-04	2/28/2015 9:21	0.5	55.8	0	43.7	25		10	10	-18.5	-18.5	0.06
GIW-05	2/6/2015 9:27	0.6	55.5	0.1	43.8	37				-14.2	-14.2	-13.70
GIW-05	2/6/2015 9:28	0.6	61.7	0	37.7	37				-12.4	-12.5	-12.72
GIW-05	2/11/2015 14:22	0.9	56.1	0.3	42.7	42		17	9	-17.7	-17.7	0
GIW-05	2/11/2015 14:29	0.6	57.9	0.3	41.2	42		0	0	-18.2	-18.1	-0.18
GIW-05	2/20/2015 10:26	1.4	43.3	10.6	44.7	26		11	11	-23.6	-23.4	-23.61
GIW-05	2/20/2015 10:27	0.6	43.3	3.3	52.8	25		10	10	-22.7	-22.7	-25.99
GIW-05	2/28/2015 9:45	0.7	49.3	1.4	48.6	28		193	188	-8.5	-8.2	-23.46
GIW-05	2/28/2015 9:46	0.8	54.0	1.2	44.0	28		172	170	-7.4	-7.3	-26.94
GIW-06	2/6/2015 8:40	1.9	59.5	0	38.6	31		21	15	-14.5	-14.6	-14.68
GIW-06	2/6/2015 8:44	1.2	64.2	0	34.6	31		42	0	-14.1	-10.9	-14.43
GIW-06	2/11/2015 10:24	0.9	62.9	0.6	35.6	44		14	11	-20.5	-19.5	-20.55
GIW-06	2/11/2015 10:30	0.8	58.9	0.8	39.5	45		0	25	-19.2	-19.5	-19.63
GIW-06	2/20/2015 9:24	1.0	59.5	0.4	39.1	19		0	14	-23.2	-23.4	-23.43
GIW-06	2/20/2015 9:24	0.9	60.1	0.2	38.8	20		34	21	-23.8	-24.4	-23.98
GIW-06	2/28/2015 9:02	1.1	56.6	0.3	42.0	22		0	0	-22.9	-22.9	-23.46
GIW-06	2/28/2015 9:03	1.2	59.6	0.4	38.8	22		0	39	-26.3	-26.5	-27.00
GIW-07	2/6/2015 8:24	24.2	55.6	0	20.2	30		10	8	1.8	1.8	1.59
GIW-07	2/11/2015 10:58	21.8	52.7	2.8	22.7	43		17	17	-8.3	-8.3	-8.01
GIW-07	2/11/2015 11:04	24.2	54.3	1.6	19.9	42		12	10	-7.8	-6.8	-7.83
GIW-07	2/20/2015 9:28	24.0	51.2	2.6	22.2	20		12	11	-9.3	-9.6	-9.79
GIW-07	2/20/2015 9:29	25.8	51.7	2.0	20.5	21		8	9	-9.8	-9.8	-11.07
GIW-07	2/28/2015 9:06	25.8	58.9	0	15.3	24		12	12	0.5	0.5	0
GIW-08	2/6/2015 8:19	19.4	65.8	0	14.8	38		18	0	-0.6	-0.7	-1.83
GIW-08	2/11/2015 11:13	23.7	61.6	0	14.7	58		11	8	-6.8	-6.8	-11.80
GIW-08	2/11/2015 11:20	23.7	63.0	0.1	13.2	56		20	0	-6.8	-6.7	-11.50
GIW-08	2/20/2015 9:32	23.9	61.5	0.5	14.1	34		0	15	-10.7	-10.7	-15.60
GIW-08	2/28/2015 9:09	22.8	53.9	1.5	21.8	37		14	7	-16.3	-16.6	-23.52
GIW-09	2/6/2015 8:16	0.6	62.0	0	37.4	188		0	43	1.3	2.6	-0.98
GIW-09	2/11/2015 11:25	2.1	60.5	0	37.4	183		0	34	-6.9	-6.4	-7.89

February 2015 Wellfield Monitoring Data - Bridgeton Landfill

Well Name	Date Sampled	Methane	CO ₂	O ₂	Balance Gas	Init Temp	Adj Temp	Init Flow	Adj Flow	Init Static Press	Adj Static Press	System Pressure
		(%)				°F		scfm		"H ₂ O		
GIW-09	2/11/2015 11:31	0.6	68.6	0	30.8	184		25	21	-7.8	-8.2	-8.75
GIW-09	2/20/2015 9:35	2.5	64.5	0	33.0	180		24	0	-10.5	-11.2	-11.25
GIW-09	2/20/2015 9:36	0.8	67.6	0	31.6	179		38	0	-9.0	-11.5	-8.81
GIW-09	2/28/2015 9:12	1.0	63.7	0	35.3	185		11	0	-7.7	-8.0	-8.00
GIW-09	2/28/2015 9:13	0.9	65.4	0	33.7	185		0	13	-5.9	-5.4	-6.48
GIW-10	2/6/2015 8:48	0.4	53.5	2.9	43.2	31		8	11	-7.9	-7.9	-14.68
GIW-10	2/10/2015 13:52	0.3	51.8	2.8	45.1	51		14	15	-10.9	-11.0	-18.72
GIW-10	2/10/2015 14:06	0.3	54.4	2.8	42.5	53		7	0	-9.8	-9.8	-18.59
GIW-10	2/20/2015 9:41	0.3	59.6	0	40.1	24		9	8	10.9	10.9	-25.02
GIW-10	2/20/2015 9:42	0.2	58.7	0	41.1	25		7	12	-0.9	-0.9	-24.28
GIW-10	2/28/2015 9:17	0.3	57.1	0	42.6	27		9	7	6.8	6.8	-26.45
GIW-10	2/28/2015 9:17	0.3	57.4	0	42.3	28		0	0	-17.6	-17.6	-25.29
GIW-11	2/6/2015 9:23	1.8	61.8	0	36.4	127		9	8	10.1	10.1	-9.30
GIW-11	2/6/2015 9:23	1.6	63.1	0	35.3	121		6	8	-5.9	-5.5	-10.21
GIW-11	2/11/2015 14:35	1.8	60.1	0.1	38.0	169		26	15	-3.7	-3.7	-18.17
GIW-11	2/11/2015 14:44	2.8	58.8	2.5	35.9	160		0	75	-11.4	-7.9	-20.73
GIW-11	2/20/2015 10:23	2.6	61.7	3.3	32.4	151		0	36	-18.4	-19.1	-26.30
GIW-11	2/20/2015 10:24	2.3	58.0	3.3	36.4	151		41	41	-14.7	-14.7	-20.55
GIW-11	2/28/2015 9:53	6.9	32.1	3.7	57.3	142		0	0	-23.9	-23.9	-24.56
GIW-11	2/28/2015 9:53	3.4	52.3	4.2	40.1	141		11	9	-22.2	-21.7	-23.82
GIW-12	2/6/2015 9:01	2.6	62.7	0	34.7	168		0	18	0.7	0.6	-8.44
GIW-12	2/11/2015 9:40	4.3	33.9	7.3	54.5	157		49	46	-7.4	-7.5	-19.02
GIW-12	2/11/2015 9:48	4.2	32.9	7.3	55.6	156		43	42	-7.4	-7.3	-18.17
GIW-12	2/20/2015 9:54	2.2	41.3	8.4	48.1	148		50	48	-8.3	-8.7	-24.83
GIW-12	2/20/2015 9:55	3.3	32.9	9.2	54.6	147		45	37	-7.3	-7.3	-23.85
GIW-12	2/28/2015 9:29	3.2	32.0	10.9	53.9	141		44	41	-6.6	-6.5	-23.76
GIW-12	2/28/2015 9:30	4.0	29.0	11.0	56.0	141		35	38	-6.3	-6.4	-24.31
GIW-13	2/6/2015 9:05	3.4	62.2	0	34.4	135		10	9	1.3	1.5	0.49
GIW-13	2/11/2015 9:54	4.7	64.1	0.1	31.1	134		10	11	-4.8	-4.8	-12.35
GIW-13	2/11/2015 10:00	3.7	63.7	0.1	32.5	129		10	11	-5.5	-5.6	-13.03
GIW-13	2/20/2015 9:58	5.2	58.0	0.4	36.4	127		13	11	-6.8	-6.8	-14.19
GIW-13	2/20/2015 9:59	4.6	62.3	0.2	32.9	126		12	12	-4.3	-4.2	-13.52
GIW-13	2/28/2015 9:33	5.4	61.7	0.2	32.7	121		88	96	-4.2	-4.4	-16.49
LCS-3D	2/25/2015 10:06	10.1	28.0	11.0	50.9	54	54	318	323	-23.9	-25.0	-25.10
LCS-3D	2/25/2015 10:08	2.0	16.6	17.7	63.7	55	55	317	316	-23.9	-24.0	-24.06
LCS-5A	2/9/2015 11:07	53.6	42.5	0	3.9	96				-29.8	-29.8	-29.75
LCS-5A	2/24/2015 15:26	55.8	40.8	0	3.4	98				-30.3	-30.3	-30.21




February 2015 Wellfield Monitoring Data - Bridgeton Landfill

Well Name	Date Sampled	Methane	CO ₂	O ₂	Balance Gas	Init Temp	Adj Temp	Init Flow	Adj Flow	Init Static Press	Adj Static Press	System Pressure
		(%)				°F		scfm		"H ₂ O		
LCS-6B	2/9/2015 11:31	56.2	40.7	0	3.1	35		10	9	0.1	0.1	-29.60
LCS-6B	2/25/2015 8:51	56.6	41.2	0	2.2	48		9	9	0.6	0.6	-33.88
LCS-6B	2/25/2015 8:53	56.0	42.1	0	1.9	48		9	9	-0.5	-0.5	-34.68
PGW-60	2/9/2015 11:15	55.0	39.0	1.3	4.7	36		0	0	-28.9	-29.2	-29.30
PGW-60	2/25/2015 8:30	52.2	39.5	1.0	7.3	43		15	7	-29.9	-30.3	-30.34
SEW-002	2/25/2015 15:45	0.4	52.5	1.9	45.2	167				-20.6	-20.0	-20.24
SEW-002	2/25/2015 15:46	0.5	60.3	1.7	37.5	167				-20.5	-20.1	-20.06
SEW-012A	2/9/2015 9:47	5.4	46.8	10.3	37.5	49				-2.8	-2.8	-18.17
SEW-012A	2/9/2015 9:48	6.4	38.7	10.3	44.6	49				-2.8	-2.8	-17.61
SEW-017R	2/25/2015 15:18	0.4	17.0	16.0	66.6	80				-1.3	-1.3	-1.10
SEW-017R	2/25/2015 15:18	0.5	14.4	15.5	69.6	81				-1.3	-1.3	-1.10
SEW-031R	2/25/2015 14:54	0.5	76.8	0	22.7	193	193	230	228	-21.1	-20.9	-20.62
SEW-032R	2/25/2015 15:10	8.7	27.8	11.8	51.7	70	70	231	206	-13.0	-10.7	-12.90
SEW-032R	2/25/2015 15:11	9.4	24.2	12.0	54.4	70	70	194	198	-9.3	-9.5	-12.60
SEW-060R	2/25/2015 11:18	15.5	43.9	5.4	35.2	68				-0.2	-0.2	-21.04
SEW-060R	2/25/2015 11:18	16.0	42.0	5.4	36.6	68				-0.2	-0.2	-20.67
SEW-061R	2/25/2015 11:24	0.7	51.4	13.9	34.0	95				-21.4	-20.5	-22.08
SEW-061R	2/25/2015 11:24	0.1	35.2	14.7	50.0	49				-20.6	-20.8	-21.10
SEW-062R	2/25/2015 11:30	17.2	36.1	6.8	39.9	146				-0.2	-0.2	-22.51
SEW-062R	2/25/2015 11:31	16.3	37.1	6.7	39.9	146				-0.3	-0.2	-21.83
SEW-063	2/9/2015 9:32	0.9	57.9	0	41.2	188				-3.2	-3.6	-3.18
SEW-063	2/9/2015 9:32	0.8	63.8	0	35.4	189				-4.2	-3.3	-4.22
SEW-064	2/25/2015 14:50	3.8	37.0	10.5	48.7	107				-2.7	-2.7	-23.79
SEW-064	2/25/2015 14:51	4.4	33.5	10.5	51.6	107				-2.7	-2.7	-24.46
SEW-067	2/25/2015 11:01	2.2	47.6	9.1	41.1	111				-0.7	-0.5	-22.02
SEW-067	2/25/2015 11:01	2.1	41.6	9.4	46.9	111				-0.9	-0.6	-22.20
SEW-072R	2/25/2015 10:50	4.2	34.8	11.1	49.9	88				-2.9	-2.8	-16.39
SEW-072R	2/25/2015 10:51	5.2	29.5	11.7	53.6	89				-2.0	-1.9	-19.02
SEW-074	2/25/2015 15:01	6.0	27.2	10.1	56.7	91				-1.0	-1.0	-11.31
SEW-074	2/25/2015 15:01	6.2	25.0	10.0	58.8	92				-1.0	-1.0	-9.36
SEW-079R	2/25/2015 15:05	4.5	22.4	12.9	60.2	75				-1.5	-1.5	-18.29
SEW-079R	2/25/2015 15:06	4.5	20.2	12.7	62.6	74				-1.5	-1.5	-19.69
T-56	2/9/2015 11:29	20.8	32.5	4.5	42.2	42		26	32	-0.2	-0.2	-29.32
T-56	2/25/2015 14:05	38.7	33.4	1.1	26.8	46		29	29	-0.2	-0.2	-29.42





ATTACHMENT F-2

MAXIMUM TEMPERATURE SPREADSHEET




Wellfield Temperature - Bridgeton Landfill

Well Name	Maximum Initial Temperature From All Monthly Wellhead Readings (in °F)				Temp Trend ><30°F	Comments
	Nov	Dec	Jan	Feb		
GEW-001	--	--	--	--		
GEW-002	125	123.2	121.5	120.5		
GEW-003	118	115.5	109.5	72.9		Low Flow
GEW-004	119	116.3	115.5	103.9		
GEW-005	95	89.8	97	93.1		
GEW-006	87	81.7	88.9	88.6		
GEW-007	100	93.6	115.5	89.7		
GEW-008	116	115.3	116.5	115		
GEW-009	119	120.2	122.1	124		
GEW-010	72	85.9	84.3	91.3		
GEW-011	190	189	185.8	187.4		
GEW-013A	--	--	--	--		
GEW-014A	184	55	104.5	126.6		
GEW-015	197	198	--	--		
GEW-016R	200	200	196.6	196		
GEW-018B	--	--	--	--		
GEW-018R	198	191.9	181.4	--		
GEW-019A	--	--	--	--		
GEW-020A	56	37.6	55	63		
GEW-021A	54	53.6	89	103		
GEW-022R	--	178.2	185	188.3		
GEW-023A	174	167.5	153	108.6		Low Flow
GEW-024A	130	122.1	--	--		
GEW-025A	164	175.2	183	186.3		
GEW-026R	141	178.7	186	185.8		
GEW-027A	--	163.2	68	72		
GEW-028R	156	163.6	76	162.7		Flow Restored
GEW-029	183	187.9	191	192		
GEW-030R	--	--	--	--		
GEW-033R	--	48.4	60	--		
GEW-034	76	63.3	75	88		
GEW-034A	192	190.8	--	--		
GEW-035	180	126.9	132	129		
GEW-036	--	--	--	--		
GEW-037	106.1	74.8	44	54		
GEW-038	172	175	166.4	139.3		
GEW-039	135	141	138.1	137.5		
GEW-040	92	92	86.3	87		






Wellfield Temperature - Bridgeton Landfill

Well Name	Maximum Initial Temperature From All Monthly Wellhead Readings (in °F)				Temp Trend ><30°F	Comments
	Nov	Dec	Jan	Feb		
GEW-041R	108	106	100.8	104.3		
GEW-042R	128	125	125.4	51.9		Well Slots Submerged
GEW-043R	63	61.4	57.4	122.3		Flow Restored
GEW-044	52	44.8	89.2	88.6		
GEW-045R	94	86.1	61.4	41.7		
GEW-046R	67	102.6	94.5	79.3		
GEW-047R	110	105.6	115	111.3		
GEW-048	105	99.7	102.4	103.4		
GEW-049	96	40.7	104.7	107.2		
GEW-050	108	101.7	105.4	106.7		
GEW-051	120	114	120.2	120.4		
GEW-052	108	102.6	111.3	112.8		
GEW-053	135	135	136.2	136		
GEW-054	138	140	153.7	148.4		
GEW-055	127	124.1	123.4	122.6		
GEW-056R	160	166.4	156.6	167.3		
GEW-057B	191	192	184.6	181.9		
GEW-057R	194	196	192	186.8		
GEW-058	197	195	191.3	192.5		
GEW-058A	192.5	186	192	--		
GEW-059R	184	31	188.5	187.5		
GEW-061B	73	138	34.9	47.2		
GEW-065A	198	198	198	194.2		
GEW-066	--	200	195.4	196		
GEW-067A	--	187.9	189.6	192.3		
GEW-069R	--	30.5	90	49.6		Well Slots Submerged
GEW-070R	73	59.4	52.8	83.7		Flow Restored
GEW-071	200	197	--	200.2		
GEW-071B	--	--	--	--		
GEW-072RR	--	--	--	--		
GEW-073R	--	--	--	--		
GEW-075	64	48.9	50.3	66.2		
GEW-076R	--	--	--	--		
GEW-077	54	30.6	96	--		
GEW-078R	--	--	--	--		
GEW-080	198	196	199	196.6		
GEW-081	--	--	--	--		
GEW-082R	189	191.3	193	191.9		




Wellfield Temperature - Bridgeton Landfill

Well Name	Maximum Initial Temperature From All Monthly Wellhead Readings (in °F)				Temp Trend ><30°F	Comments
	Nov	Dec	Jan	Feb		
GEW-083	65	31	40.9	46.9		
GEW-084	150	91	75.4	75.5		
GEW-085	--	--	--	--		
GEW-086	176	70	44.8	70.7		
GEW-088	--	--	--	--		
GEW-089	--	33.4	36	48.4		
GEW-090	195	--	203	193.1		
GEW-091	--	--	--	--		
GEW-100	--	--	--	--		
GEW-101	62	60.7	58	105		Flow Restored
GEW-102	64	44.9	58	--		
GEW-103	52	38.4	--	58		
GEW-104	100	78	59.1	74.9		
GEW-105	60	40.9	57.9	58		
GEW-106	--	--	--	--		
GEW-107	78	41.2	59	67		
GEW-108	--	--	--	--		
GEW-109	111	135.3	183.5	181.4		
GEW-110	62	157.5	63.5	175.7		Flow Restored
GEW-112	--	37	--	--		
GEW-113	--	--	--	--		
GEW-116	--	38.7	72	63.3		
GEW-117	51	35.7	49	--		
GEW-118	--	--	--	--		
GEW-120	--	48.5	--	196.6		
GEW-121	--	183.7	196.6	193.1		
GEW-122	--	191.9	194.8	192.5		
GEW-123	--	95.2	169.7	183.5		
GEW-124	--	--	51.2	52.5		
GEW-125	--	--	96.4	65.4		Well Slots Submerged
GEW-126	--	--	--	--		
GEW-127	--	--	80.7	52.8		
GEW-128	--	--	183.5	183		
GEW-129	--	--	--	--		
GEW-130	--	--	--	--		
GEW-131	--	161.4	156.2	152.5		
GEW-132	--	--	186.3	190.2		
GEW-133	--	--	57.3	40.7		

Wellfield Temperature - Bridgeton Landfill

Well Name	Maximum Initial Temperature From All Monthly Wellhead Readings (in °F)				Temp Trend ><30°F	Comments
	Nov	Dec	Jan	Feb		
GEW-134	--	--	59.1	42.4		
GEW-135	--	--	61.6	40.2		
GEW-136	--	196	139.3	140		
GEW-137	--	37.6	41.4	38.4		
GEW-138	--	50.1	169.7	143.3		
GEW-139	--	197.3	194.8	193.8		
GEW-140	--	--	184.6	186.9		
GEW-141	--	--	73.8	70.5		
GEW-142	--	--	84.7	178.7		Flow Restored
GEW-143	--	--	190.2	191.9		
GEW-144	--	--	73.4	76		
GEW-145	--	--	69.2	63.7		
GEW-146	--	40.7	53.7	97.1		Flow Restored
GEW-147	--	--	202.1	194.2		
GEW-148	--	159.2	43.8	--		
GEW-149	--	72.6	43.2	183.1		Flow Restored
GEW-150	--	--	176.7	177.2		
GEW-151	--	39.1	46.2	39.2		
GEW-152	--	167.3	192.5	194.8		
GEW-153	--	94	45.5	146.3		Flow Restored
GEW-154	--	74.8	162.7	176.8		
GEW-155	--	--	158.8	173.2		
GEW-156	--	--	145.5	176.3		Flow Increased
GIW-01	199	195	189.7	195.4		
GIW-02	177.2	56	54.5	43.8		
GIW-03	71	54	62.2	77.4		
GIW-04	71	54	58.8	56.3		
GIW-05	78	52	53.4	42.1		
GIW-06	69	54	56.4	44.5		
GIW-07	74	56	64.6	42.8		
GIW-08	81	73.9	56.9	57.9		
GIW-09	195	192	190.8	188		
GIW-10	71	55	61.6	52.5		
GIW-11	139.3	163.4	149.3	168.8		
GIW-12	176	174	165.9	168.3		
GIW-13	171	167.7	151.7	135		
LCS-1D	--	--	--	--		
LCS-2D	100	--	--	--		

Wellfield Temperature - Bridgeton Landfill

Well Name	Maximum Initial Temperature From All Monthly Wellhead Readings (in °F)				Temp Trend ><30°F	Comments
	Nov	Dec	Jan	Feb		
LCS-3C	50	180.8	150.6	--		
LCS-4B	--	--	--	--		
LCS-5A	95.2	97.9	98.3	98.3		
LCS-6B	48.2	46.7	57.9	47.9		
PGW-60	45.2	59.5	93.4	42.5		Low Flow
SEW-012A	80.2	65.9	53.1	48.6		
SEW-017R	--	133	153.5	80.6		Low Flow
SEW-031R	--	--	--	193		
SEW-032R	46.2	40.9	61.3	70		
SEW-060R	127.4	131	63.3	67.8		
SEW-061R	41.7	161	33.6	95		Flow Increased
SEW-062R	169.2	165	146.6	146.2		
SEW-063	191.3	192	187.6	188.5		
SEW-064	148.1	134.6	122.8	107		
SEW-067	104	--	120.2	110.6		
SEW-072R	93.2	90	88.4	89.3		
SEW-074	91.8	91.5	84	91.7		
SEW-079R	42.7	30.4	79.3	74.5		
T-56	51.5	49	44.6	46.3		

-- = Indicates no data available.

ATTACHMENT F-3

LAB ANALYSES SPREADSHEET

Laboratory Analysis - Bridgeton Landfill

Well Name	Date Sampled	Methane	CO ₂	O ₂ /Argon	Nitrogen	Hydrogen	Carbon Monoxide
		(%)					(ppm)
North Quarry							
GEW-002	11/11/2014	41	33	1.4	24	0.07	280
GEW-002	1/20/2015	54	39	ND	5.7	0.058	ND
GEW-003	11/11/2014	22	28	1.5	49	0.062	ND
GEW-003	1/20/2015	48	37	ND	15	0.055	ND
GEW-004	11/11/2014	9.3	20	2.7	68	ND	130
GEW-004	1/20/2015	51	38	ND	9.5	0.11	ND
GEW-005	11/11/2014	25	29	ND	46	ND	ND
GEW-005	1/27/2015	35	ND	0.046	48	15	ND
GEW-006	11/11/2014	35	34	ND	30	ND	ND
GEW-006	1/20/2015	51	38	ND	10	ND	ND
GEW-007	11/12/2014	52	43	ND	3.9	ND	ND
GEW-007	1/20/2015	55	42	ND	ND	ND	ND
GEW-008	11/12/2014	47	44	ND	4.8	3.1	39
GEW-008	12/9/2014	49	45	ND	3.9	1.7	38
GEW-008	1/19/2015	50	45	ND	ND	2.6	ND
GEW-008	2/24/2015	47	42	2	7.2	2.6	30
GEW-009	11/12/2014	47	43	ND	8.6	0.5	ND
GEW-009	12/9/2014	49	42	ND	7	0.77	ND
GEW-009	1/19/2015	51	43	ND	3.9	0.81	ND
GEW-009	2/24/2015	45	38	1.8	14	0.99	ND
GEW-040	11/7/2014	53	43	ND	3.2	ND	ND
GEW-040	12/9/2014	50	42	1.7	6.1	ND	ND
GEW-040	1/16/2015	52	43	ND	3.4	ND	ND
GEW-040	2/13/2015	50	40	ND	7.4	ND	ND
GEW-041R	11/7/2014	49	37	ND	12	ND	ND
GEW-041R	1/16/2015	55	40	ND	3.8	ND	ND
GEW-041R	2/13/2015	53	39	ND	7.7	ND	ND
GEW-042R	11/7/2014	52	37	1.6	9.7	ND	ND
GEW-042R	1/20/2015	57	40	ND	2.8	0.031	ND
GEW-043R	11/7/2014	54	41	ND	4.3	0.49	ND
GEW-043R	1/16/2015	52	40	ND	5.8	0.435	ND
GEW-043R	2/13/2015	56	42	ND	ND	0.380	ND
GEW-044R	11/11/2014	34	32	ND	33	ND	ND
GEW-044R	1/27/2015	30	ND	ND	38	31	ND
GEW-045R	11/11/2014	33	28	4.0	35	ND	ND
GEW-045R	1/20/2015	57	37	ND	5.6	ND	ND
GEW-046R	11/11/2014	48	35	ND	16	0.057	ND
GEW-046R	1/27/2015	35	ND	0.1	41	23	ND
GEW-047R	11/11/2014	22	28	2.1	48	ND	ND
GEW-047R	1/27/2015	35	ND	0.1	44	20	ND
GEW-048	11/11/2014	47	38	ND	14	0.028	ND
GEW-048	1/20/2015	55	39	ND	5.6	0.043	ND
GEW-049	11/11/2014	19	26	2.6	53	ND	ND
GEW-049	1/27/2015	29	ND	ND	32	37	ND

Laboratory Analysis - Bridgeton Landfill

Well Name	Date Sampled	Methane	CO ₂	O ₂ /Argon	Nitrogen	Hydrogen	Carbon Monoxide
		(%)					(ppm)
GEW-050	11/12/2014	47	39	ND	13	0.065	ND
GEW-050	1/20/2015	54	42	ND	3.1	0.052	ND
GEW-051	11/11/2014	51	41	ND	5.8	1.1	ND
GEW-051	1/20/2015	52	40	ND	6.3	0.92	ND
GEW-052	11/12/2014	46	38	ND	16	ND	ND
GEW-052	1/20/2015	51	39	ND	10	ND	ND
GEW-053	11/12/2014	49	43	ND	3.7	3.6	53
GEW-053	1/16/2015	48	42	ND	3.6	5	41
GEW-054	11/7/2014	50	40	ND	5.7	3.6	ND
GEW-054	1/16/2015	50	42	ND	ND	5.3	ND
GEW-054	2/26/2015	51	41	ND	ND	4.5	ND
GEW-055	11/11/2014	51	42	ND	3.6	3.2	34
GEW-055	12/9/2014	49	40	1.3	5	3.7	46
GEW-055	1/16/2015	50	42	ND	4.3	3	ND
GEW-055	2/24/2015	50	41	ND	5.3	2.2	ND

Laboratory Analysis - Bridgeton Landfill

Well Name	Date Sampled	Methane	CO ₂	O ₂ /Argon	Nitrogen	Hydrogen	Carbon Monoxide
		(%)					(ppm)
South Quarry							
GEW-010	11/7/2014	52	36	2.3	8.8	0	ND
GEW-010	12/8/201	43	34	4.5	18	0.6	56
GEW-010	1/19/2015	52	36	2.4	8.8	0.4	ND
GEW-010	2/24/2015	36	40	3.4	19	1.3	110
GEW-011	11/7/2014	1.9	63	ND	3.1	30	2,900
GEW-011	1/20/2015	1.2	55	2.4	8.6	32	2,600
GEW-014A	11/6/2014	0.23	58	ND	3	35	4,200
GEW-015	11/6/2014	0.15	57	ND	3.1	37	3,000
GEW-016R	11/6/2014	0.42	58	ND	ND	37	3,000
GEW-016R	1/20/2015	0.47	55	ND	3.4	38	2,500
GEW-018R	11/6/2014	0.22	59	ND	ND	35	3,500
GEW-020A	11/6/2014	3.6	43	8.4	32	12	2,300
GEW-020A	1/20/2015	0.53	51	6.6	24	17	3,000
GEW-021A	11/6/2014	0.3	51	5.2	19	23	3,800
GEW-022R	1/20/2015	0.46	63	ND	3.7	30	3,900
GEW-022R	1/20/2015	2.8	67	ND	ND	27	3,900
GEW-023A	11/6/2014	1.3	61	ND	3.2	32	4,100
GEW-023A	1/20/2015	0.13	64	ND	3	31	4,200
GEW-024A	11/6/2014	1.4	31	12.0	47	8.4	1,400
GEW-025A	11/6/2014	0.6	63	ND	ND	31	4,200
GEW-025A	1/20/2015	0.18	63	ND	ND	34	4,600
GEW-026R	11/6/2014	0.32	69	ND	5	22	5,700
GEW-026R	1/20/2015	0.4	70	ND	ND	25	5,300
GEW-027A	1/20/2015	0.1	58	2.0	7	32	2,800
GEW-028R	11/6/2014	1.3	61	ND	3.3	32	4,600
GEW-028R	1/20/2015	0.5	53	2.0	7	36	4,600
GEW-029	11/6/2014	0.55	50	3.1	11	33	3,000
GEW-029	1/20/2015	0.13	56	ND	ND	40	3,300
GEW-033R	1/20/2015	12	55	ND	ND	30	1,800
GEW-034	11/7/2014	8.2	55	2.2	12	22	1,900
GEW-034	1/20/2015	6.8	61	ND	4.2	26	1,700
GEW-034A	11/7/2014	0.47	54	3.3	12	30	3,300
GEW-035	11/7/2014	0.82	55	3.2	12	28	3,100
GEW-035	1/20/2015	3.2	43	6.3	23	24	2,200
GEW-038	11/7/2014	0.21	55	1.4	4.9	37	3,800
GEW-038	12/8/201	0.2	50	2.8	10	35	3,600
GEW-038	1/19/2015	0.17	38	7.3	26	28	2,700
GEW-038	2/24/2015	0.18	47	4.7	17	31	2,800
GEW-039	11/7/2014	31	56	ND	ND	9	600
GEW-039	12/8/201	30	56	ND	ND	9	590
GEW-039	1/19/2015	29	56	ND	ND	11	500
GEW-039	2/24/2015	33	50	ND	9.3	6.2	250
GEW-056R	11/7/2014	17	53	1.9	17	10	770
GEW-056R	12/8/2014	17	54	ND	14	13	930
GEW-056R	1/19/2015	19	50	1.6	19	11	570

Laboratory Analysis - Bridgeton Landfill

Well Name	Date Sampled	Methane	CO ₂	O ₂ /Argon	Nitrogen	Hydrogen	Carbon Monoxide
		(%)					(ppm)
GEW-056R	2/24/2015	13	35	2.7	41	8.6	480
GEW-057B	11/5/2014	0.42	57	ND	3.2	37	3,100
GEW-057R	11/5/2014	0.35	43	6.3	23	26	2,400
GEW-057R	1/20/2015	0.46	54	1.6	5.7	37	2,700
GEW-058	11/5/2014	0.7	55	1.9	7	33	3,200
GEW-058	1/20/2015	0.42	48	3.3	12	36	2,600
GEW-059R	11/5/2014	1.3	54	1.7	6	36	1,700
GEW-061B	11/5/2014	0.0042	0.78	21.0	77	0.12	39
GEW-065A	11/5/2014	0.33	59	ND	ND	36	3,700
GEW-065A	1/20/2015	0.37	59	ND	ND	37	3,600
GEW-070R	11/5/2014	0.66	46	4.9	18	29	2,300
GEW-071	11/5/2014	0.85	57	ND	ND	36	2,900
GEW-075	11/6/2014	0.62	7.8	15.0	77	0.1	ND
GEW-077	11/6/2014	0.0068	0.66	22.0	78	0.15	64
GEW-077	1/21/2015	0.33	57	3.6	13	26	5,700
GEW-080	11/6/2014	0.19	62	ND	3.2	32	5,500
GEW-080	1/21/2015	0.22	64	ND	ND	32	5,800
GEW-082R	11/6/2014	0.79	58	ND	ND	36	3,000
GEW-082R	1/21/2015	0.75	57	ND	ND	40	2,700
GEW-083	11/5/2014	0.0032	1	21.0	77	0.46	90
GEW-084	11/5/2014	1.6	64	ND	4.4	26	4,000
GEW-086	11/5/2014	0.33	60	ND	ND	33	4,300
GEW-090	11/7/2014	0.79	55	ND	4	37	3,100
GEW-090	1/21/2015	0.41	55	ND	ND	42	3,000
GEW-101	11/7/2014	1.3	64	2.9	11	20	3,600
GEW-101	1/21/2015	0.36	27	14.0	49	9.3	1,400
GEW-102	11/7/2014	0.51	39	7.3	26	25	1,900
GEW-102	1/21/2015	0.71	61	ND	ND	35	2,600
GEW-103	11/7/2014	0.0098	0.88	21.0	77	0.27	49
GEW-104	11/5/2014	0.41	51	4.2	15	27	2,500
GEW-105	11/7/2014	9	56	5.0	18	11	1,100
GEW-107	11/7/2014	0.15	3.8	20.0	75	0.47	110
GEW-107	1/20/2015	0.33	58	ND	3	37	3,600
GEW-109	11/7/2014	1.4	57	ND	4.1	35	2,400
GEW-109	12/8/2014	1.4	56	ND	3.4	37	2,400
GEW-109	1/19/2015	1.1	53	1.8	6.2	37	2,200
GEW-109	2/24/2015	1.6	54	2.2	7.7	34	210
GEW-110	11/7/2014	0.56	4.1	20.0	72	3	260
GEW-110	12/8/2014	1.9	27	11.0	40	20	2,200
GEW-110	2/26/2015	19	51	2.4	8.8	18	1,300
GEW-116	11/6/2014	1.9	8.3	19.0	69	1.7	280
GEW-116	1/21/2015	5.9	73	3.2	11	5.8	420
GEW-117	1/21/2015	48	50	ND	ND	0.048	39
GIW-01	11/12/2014	1.1	63	ND	4.6	29	3,500
GIW-01	12/9/2014	1.2	62	1.6	5.7	28	3,700
GIW-01	1/21/2015	0.93	61	1.5	5.5	30	3,500

Laboratory Analysis - Bridgeton Landfill

Well Name	Date Sampled	Methane	CO ₂	O ₂ /Argon	Nitrogen	Hydrogen	Carbon Monoxide
		(%)					(ppm)
GIW-01	2/13/2015	2.3	64	1.5	5.6	26	2,700
GIW-02	11/12/2014	1.6	62	ND	4.1	30	3,800
GIW-02	12/9/2014	1.9	63	ND	2.7	31	4,000
GIW-02	1/21/2015	1.3	58	ND	ND	37	4,200
GIW-02	2/11/2015	0.9	58	3.8	14	24	2,400
GIW-03	11/12/2014	0.31	60	ND	ND	36	3,800
GIW-03	12/9/2014	0.32	52	3.3	12	32	3,500
GIW-03	1/21/2015	0.25	47	5.5	20	27	2,800
GIW-03	2/10/2015	0.34	60	ND	5	32	3,300
GIW-04	11/12/2014	0.42	62	ND	4.4	31	4,700
GIW-04	12/9/2014	0.48	59	1.6	5.5	33	4,800
GIW-04	1/21/2015	0.35	58	1.6	5.7	34	3,600
GIW-04	2/10/2015	0.36	57	3.0	11	28	2,800
GIW-05	12/9/2014	0.58	63	ND	ND	34	4,000
GIW-05	1/21/2015	0.54	61	ND	ND	34	3,600
GIW-05	2/11/2015	0.45	59	2.4	8.7	29	2,800
GIW-06	11/12/2014	0.73	64	ND	4	29	2,600
GIW-06	12/9/2014	0.8	65	ND	ND	30	2,600
GIW-06	1/21/2015	0.93	64	ND	ND	31	2,200
GIW-06	2/11/2015	0.64	58	2.7	9.7	29	2,000
GIW-07	11/12/2014	17	36	6.5	24	16	1,400
GIW-07	12/9/2014	25	47	2.2	7.9	17	1,600
GIW-07	1/21/2015	27	50	2.1	7.5	13	1,100
GIW-07	2/11/2015	20	56	2.7	9.7	11	970
GIW-08	11/12/2014	22	63	ND	3.5	10	1,100
GIW-08	12/9/2014	17	66	ND	2.9	13	2,000
GIW-08	1/21/2015	1.1	30	12.0	45	10	1,300
GIW-08	2/11/2015	22	64	ND	4.9	7.2	1,300
GIW-09	11/12/2014	0.59	65	ND	3.3	29	4,300
GIW-09	12/9/2014	0.69	66	ND	2.8	28	4,200
GIW-09	1/21/2015	0.5	67	ND	3	27	3,900
GIW-09	2/11/2015	0.66	68	ND	3.5	26	3,400
GIW-10	11/12/2014	0.23	59	ND	ND	38	4,400
GIW-10	12/9/2014	0.33	65	1.4	5.2	27	6,800
GIW-10	1/21/2015	0.36	53	3.4	12	30	5,600
GIW-10	2/10/2015	0.24	53	3.6	13	30	3,900
GIW-11	11/12/2014	1.7	63	ND	ND	33	3,500
GIW-11	12/9/2014	1.8	61	1.4	5	30	3,500
GIW-11	1/21/2015	1.5	60	ND	4.1	32	3,300
GIW-11	2/11/2015	1.9	55	3.8	15	24	2,400
GIW-12	11/12/2014	2.2	55	2.5	9.4	30	2,600
GIW-12	12/9/2014	2.5	58	1.6	6	31	2,900
GIW-12	1/21/2015	2.5	54	2.9	11	29	2,400
GIW-12	2/11/2015	3.4	31	8.4	44	13	1,100
GIW-13	11/12/2014	2.4	61	ND	3.3	32	2,700
GIW-13	12/9/2014	2.6	62	ND	2.7	32	2,900

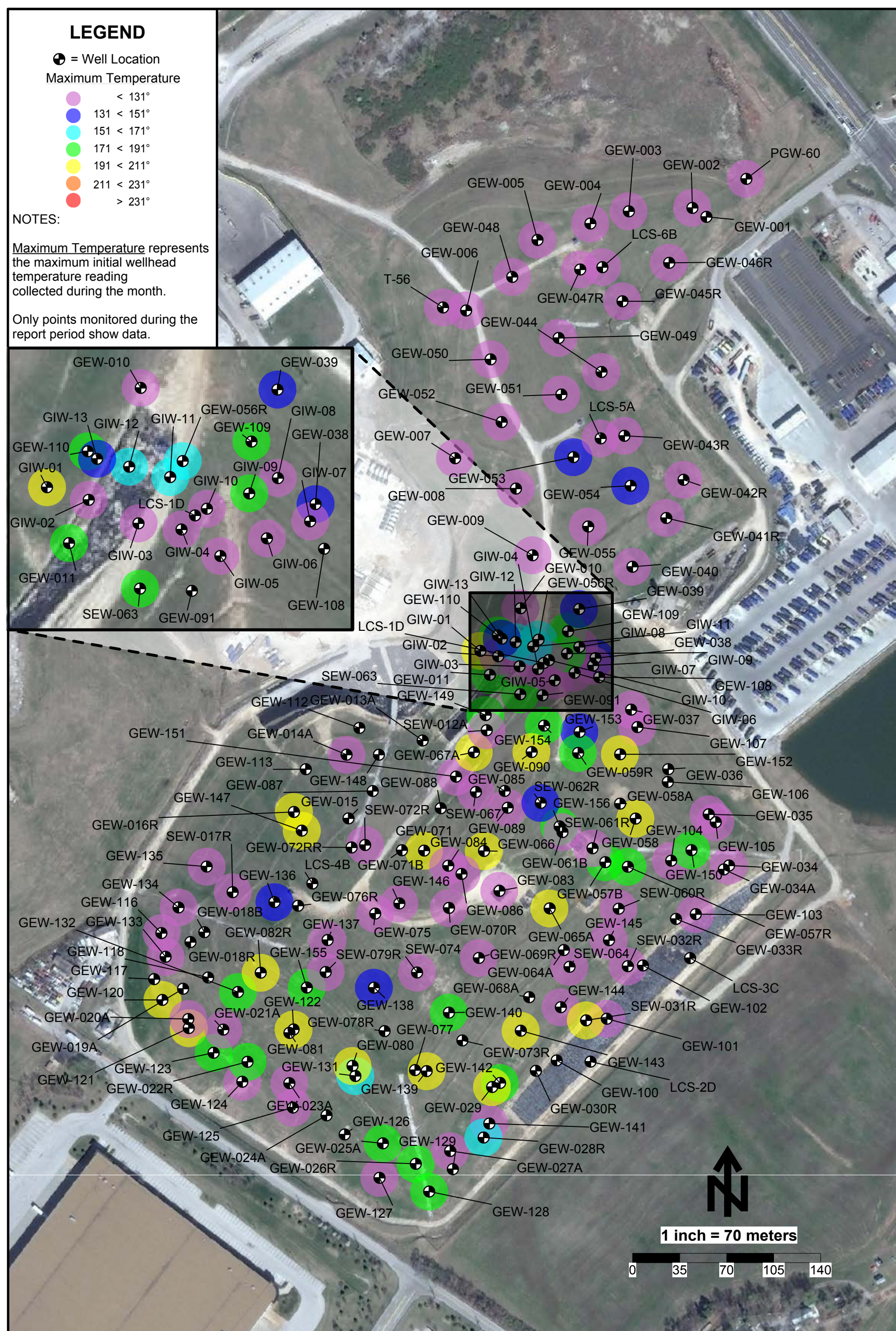
Laboratory Analysis - Bridgeton Landfill

Well Name	Date Sampled	Methane	CO ₂	O ₂ /Argon	Nitrogen	Hydrogen	Carbon Monoxide
		(%)					(ppm)
GIW-13	1/21/2015	1.8	61	ND	3.7	32	2,700
GIW-13	2/11/2015	3.7	63	ND	4.7	27	2,200
INLET	11/20/2014	7.4	32	10.0	39	11	1,200
INLET	12/9/2014	6.5	27	12.0	46	8.3	1,000
INLET	1/21/2015	8.3	33	9.8	38	11	1,200
INLET	2/10/2015	5.4	24	13.0	50	7.6	790

ND = Analyte not detected in sample.

ATTACHMENT G

WELLHEAD TEMPERATURE MAPS



Initial Temperature Maximums - February 2015 - Bridgeton Landfill

ATTACHMENT H

SUMMARY OF ODOR COMPLAINTS

FEBRUARY 1, 2015 – FEBRUARY 28, 2015 / MDNR ODOR COMPLAINTS

Name: Debbie Neuman

Message: Odor logged February 1, 2015, at 8:15 am, strength of 10

Follow-up: The following odor concern has been investigated by Bridgeton Landfill staff. Multiple concerns within the succession of 7 concerns filed within 12 minutes have times and dates that coincide with Bridgeton Landfill odor self-inspections. Those self-inspections observed no odor related to the Bridgeton Landfill, wind vectors placing the concern location upwind of the Bridgeton Landfill, or, sometimes, both. The generation of these concerns is not believed to be associated with a Bridgeton Landfill originating odor.

Name: Robert Miller

Message: Odor logged February 1, 2015, at 10:30 am, strength of 6

Follow-up: The following concern has been investigated by Bridgeton Landfill staff. No odor related to the Bridgeton Landfill was observed off-site during site self-monitoring events. At the time cited, winds were on variable direction and very low (<4.0 mph) velocity. Given the distance from the site to this location, the low wind velocities, and variability in wind direction it is unlikely that this was a Bridgeton Landfill odor.

Name: Meagan Beckermann

Message: Odor logged February 1, 2015, at 3:00 pm, strength of 6

Follow-up: The following concern has been investigated by Bridgeton Landfill staff. This concern filing is 24 days after the cited date of this observation. On the date of this concern no odor related to the Bridgeton Landfill was observed in odor self-inspection rounds. This is not believed to have been a Bridgeton Landfill odor.

Name: Dawn Chapman

Message: Odor logged February 1, 2015, at 3:07 pm, strength of 8

Follow-up: The following concern has been investigated by Bridgeton Landfill staff. At the time of this concern winds were transitioning from a southwest to a due west vector, placing this location outside the downwind path of the Bridgeton Landfill. This was not believed to have been a Bridgeton Landfill odor.

Name: Sharon Bishop

Message: Odor logged February 1, 2015, at 4:44 pm, strength of 10

Follow-up: The following concern has been investigated by Bridgeton Landfill staff. While neither odor self-inspection performed observed odor originating from Bridgeton Landfill, this concern was submitted at a time when winds were of a northwest origin, placing this location downwind of the Bridgeton Landfill. As a result, there is potential for this to have been a Bridgeton Landfill odor.

Name: Debbie Neuman

Message: Odor logged February 2, 2015, at 5:45 pm, strength of 10

Follow-up: The following concern has been investigated by Bridgeton Landfill staff. No odor was observed during daily inspections on this date. Winds were of a consistently west by northwest origin throughout the day, placing the location of this concern more in the upwind direction than the downwind direction of the Bridgeton Landfill. No technical difficulties with the potential to have created this odor were observed on this day or the day following. This is not believed to have been a Bridgeton Landfill related odor.

Name: Debbie Neuman

Message: Odor logged February 3, 2015, at 5:30 pm, strength of 10

Follow-up: The following concern has been investigated by Bridgeton Landfill staff. An odor self-inspection was performed less than an hour before this concern and no odor related to the Bridgeton Landfill was observed. Winds were of a consistently southern origin throughout this day, placing this location directly upwind of the Bridgeton Landfill. This is not believed to be a Bridgeton Landfill odor.

Name: Robbin Dailey

Message: Odor logged February 4, 2015, at 9:32 am, strength of 9

Follow-up: The following concern has been investigated by Bridgeton Landfill staff. Within 15 minutes of receipt on-site investigation was performed and no odor related to the Bridgeton Landfill was observed. A very faint earthy odor consistent with the biomass used in the treatment process was observed at a nearby location however. This was well below the <2 D/T Nasal Ranger value and could not be detected at any other locations in the area. There is some potential that this odor concern was related to this observed odor.

Name: Dawn Chapman

Message: Odor logged February 4, 2015, at 2:13 pm, strength of 7

Follow-up: The following concern has been investigated by Bridgeton Landfill staff. Odor self-inspections performed prior to and after this concern in multiple wind conditions, including the conditions at the time of this concern, did not observe Bridgeton Landfill related odor in the vicinity of this concern. This is not believed to have been a Bridgeton Landfill odor.

Name: Charles Commuso

Message: Odor logged February 4, 2015, at 2:28 pm, strength not reported

Follow-up: The following odor concern has been investigated by Bridgeton Landfill staff. As no time of day was given the exact source of this odor is unlikely to be identified. The concern indicates the same odor detectable at the intersection of 70 and 270 was detectable at the residence. The residence this claim originated from is well to the southwest of the Bridgeton landfill and winds were of a persistent north, northwest, and southwest vector throughout the day this location was generally upwind of the Bridgeton Landfill. Another known odor source, located to the northwest of the residence location and the highway intersection, has had observed odors this week and would be directly upwind of these concern locations.

Name: Kathy Bell

Message: Odor logged February 4, 2015, at 4:03 pm, strength of 8

Follow-up: The following concern has been investigated immediately on receipt by Bridgeton Landfill staff. No odor related to the Bridgeton Landfill was observed at this or any of a multitude of nearby locations that were checked.

Name: Travis Huber

Message: Odor logged February 5, 2015, at 6:13 am, strength of 6

Follow-up: The following concern has been investigated by Bridgeton Landfill staff. At the time of this concern, winds were of a due north origin, the location of this concern is directly south of a known non-Bridgeton Landfill odor source that has had odor observed by Bridgeton Landfill staff at multiple times this week. This was not believed to have been a Bridgeton Landfill odor.

Name: Greg and Ellen Wortham

Message: Odor logged February 6, 2015, at 6:21 pm, strength of 6

Follow-up: The following concern has been investigated by Bridgeton Landfill. At the time of this concern and for the entire day prior winds were consistently of a southern origin, placing this location directly upwind of the Bridgeton Landfill. No odor -causing projects were occurring and no technical disruptions arose in the hours before, during, or after this concern. Odor self-inspections had observed odor to the south of the site unrelated to the Bridgeton Landfill, likely originating from another local source, within the same day and observed those odors again on the morning of 2/7/15. It is likely that this odor originated from that other nearby odor source.

Name: Bill Hendrickson

Message: Odor logged February 7, 2015, at 9:02 am, strength of 5

Follow-up: The following concern has been investigated immediately upon receipt by Bridgeton Landfill staff. No odor related to the Bridgeton Landfill was observed and winds were of a persistent southern origin placing this location directly upwind of the Bridgeton Landfill. At a second observation point located a short distance to the southwest of this concern, a faint odor similar to putrescible waste was observed. This odor was not similar to any identified Bridgeton Landfill odor and was not detectable at points closer to the Bridgeton Landfill. It was detectable at another location in the odor self-inspection, to the northwest close to the Earth City Expressway. This was not a Bridgeton Landfill odor.

Name: N/A

Message: Odor logged February 7, 2015, at 9:21 am, strength of 5

Follow-up: The following concern has been investigated immediately upon receipt by Bridgeton Landfill staff. No odor related to the Bridgeton Landfill was observed and winds were of a persistent southern origin placing this location directly upwind of the Bridgeton Landfill. At a second observation point located a short distance to the southwest of this concern, a faint odor similar to putrescible waste was observed. This odor was not similar to any identified Bridgeton Landfill odor and was not detectable at points closer to the Bridgeton Landfill. It was detectable at another location in the odor self-inspection, to the northwest close to the Earth City Expressway. This was not a Bridgeton Landfill odor.

Name: Debbie Neuman

Message: Odor logged February 7, 2015, at 11:29 am, strength of 9
Odor logged February 8, 2015, at 9:15 am, strength of 10
Odor logged February 9, 2015, at 8:20 am, strength of 10
Odor logged February 10, 2015, at 5:25 pm, strength of 10
Odor logged February 11, 2015, at 5:45 pm, strength of 10

Odor logged February 12, 2015, at 3:25 pm, strength of 8

Follow-up: The following group of concerns have been investigated by Bridgeton Landfill staff. This group of concerns, filed over the span of approximately 10 minutes by the same individual, include multiple instances directly overlapping with Bridgeton Landfill odor self-inspections with multiple points in close proximity to this concern location logged with no observable odor. Multiple instances also were from periods of strong western and southwestern winds (placing this location directly upwind of the Bridgeton Landfill). These concerns are not believed to be associated with Bridgeton Landfill odor.

Name: Greg and Ellen Wortham

Message: Odor logged February 8, 2015, at 7:35 pm, strength of 5

Follow-up: The following concern has been investigated by Bridgeton Landfill staff. At the time of this concern Bridgeton Landfill staff were concluding site inspections and no odor was observed in the proximity of this concern. There is potential this may have been related to the biomass odor observed the morning on 2/9/15, if so that odor has consistently been observed as a <2 Nasal Ranger D/T value.

Name: Bob Nowlin

Message: Odor logged February 8, 2015, at 8:00 pm, strength of 5

Follow-up: The following concern has been investigated by Bridgeton Landfill staff. At the time of this concern Bridgeton Landfill staff were concluding site inspections and no odor was observed in the proximity of this concern. There is potential this may have been related to the biomass odor observed the morning on 2/9/15, if so that odor has consistently been observed as a <2 Nasal Ranger D/T value.

Name: Connie Usry

Message: Odor logged February 09, 2015, at (N/A time) our front yard, strength of 8

Follow-up: The following concern was investigated immediately upon receipt by Bridgeton Landfill staff. No odor was observed at this location or any nearby location.

Name: Robbin Dailey

Message: Odor logged February 9, 2015, at 1:19 am, strength of 10

Follow-up: The following concern has been investigated by Bridgeton Landfill staff. Real-time investigation could not be performed because the concern was reported over 12 hours after the stated observation time. An inspection performed earlier that evening at approximately 9:00 PM did not observe odor related to the Bridgeton Landfill in the area of this concern. A weak earthy odor associated with the Bridgeton Landfill pretreatment plant was observed at points closer to the Bridgeton Landfill this morning. This odor was not detectable at a Nasal Ranger D/T values of 2, the lowest dilution factor for the Nasal Ranger system.

Name: N/A

Message: Odor logged February 9, 2015, at 5:50 am, strength of 7

Follow-up: The following odor concern has been investigated by Bridgeton Landfill staff. An odor self-inspection performed in close proximity to this location and approximately an hour after this concern was filed observed a very weak odor consistent with the biomass related to the Bridgeton Landfill pretreatment system. This odor was well below Nasal Ranger D/T <2 values.

Name: Traci Vette

Message: Odor logged February 9, 2015, at 7:29 am, strength of 6

Follow-up: The following concern has been investigated by Bridgeton Landfill staff. An odor self-inspection was performed at almost the exact time of this concern and no Bridgeton Landfill related odor was observed at the distance of this concern. Winds were of a north by northwest origin, placing this location directly downwind of another known odor source, which is the likely origin of this odor.

Name: James Usry

Message: Odor logged February 09, 2015, at 2:03 pm, strength of 8

Follow-up: The following concern was investigated immediately upon receipt by Bridgeton Landfill staff. No odor was observed at this location or any nearby location.

Name: Kathy Bell

Message: Odor logged February 09, 2015, at 8:09 pm, strength of 7

Follow-up: The following concern has been investigated by Bridgeton Landfill staff. An odor self-inspection was performed within an hour of the stated observation time and no odor related to the Bridgeton Landfill was observed at a monitoring point close to this location.

Name: Greg and Ellen Wortham

Message: Odor logged February 9, 2015, at 8:43 pm, strength of 7

Follow-up: The following concern has been investigated by Bridgeton Landfill staff. An odor self-inspection was performed within an hour of the stated observation time and no odor related to the Bridgeton Landfill was observed at a monitoring point close to this location.

Name: Kevin

Message: Odor logged February 11, 2015, at 6:15 am, strength of 8

Follow-up: The following concern has been investigated by Bridgeton Landfill staff. Winds were of a primarily western origin. Bridgeton Landfill staff observed an odor in close chronological and geographical proximity to this concern. The odor was distinctly sour decomposing trash odor and very strong; this was not an odor typical of the Bridgeton Landfill and was during wind conditions placing this location outside the downwind pathway of the Bridgeton Landfill. The odor in question was described as identical to the types of odors identified with the other odor source. This was not a Bridgeton Landfill odor.

Name: Bob Nowlin

Message: Odor logged February 11, 2015, at 4:01 pm, strength of 6

Follow-up: The following concern has been investigated by Bridgeton Landfill staff. The location cited is to the southwest of the site. Winds were of a consistent west northwest origin, placing this site outside of the downwind pathway of the Bridgeton Landfill. Other odor sources in the area with recent odor observations are located directly upwind of this concern. No technical difficulties with odor causing potential occurred before or during the time of this concern on this date.

Name: Meagan Beckermann

Message: Odor logged February 11, 2015, at 5:28 pm, strength of 7

Follow-up: The following concern has been investigated by Bridgeton Landfill staff. This concern filing is 14 days after the cited date of this observation. On the date of this concern no odor related to the Bridgeton Landfill was observed in odor self-inspection rounds. This is not believed to have been a Bridgeton Landfill odor.

Name: Greg and Ellen Wortham

Message: Odor logged February 12, 2015, at 5:10 pm, strength of 7

Follow-up: Bridgeton Landfill staff were performing an odor self-inspection at the time of this concern. At the location cited no odor related to the Bridgeton Landfill could be detected. At a point closer to the Bridgeton Landfill a very faint, almost undetectable, earthy odor below D/T value of <2 was observed.

Name: Debbie Neumann

Message: Odor logged February 13, 2015, at 8:15 am, strength of 7

Follow-up: The following concern has been investigated by Bridgeton Landfill staff. An odor self-inspection performed shortly after the time cited in this concern did not observe any odor related to the Bridgeton Landfill. Winds were of a due south origin for the entirety of this morning, placing this location upwind of the Bridgeton Landfill. This is not believed to have been a Bridgeton Landfill odor.

Name: Greg and Ellen Wortham

Message: Odor logged February 14, 2015, at 6:00 pm, strength of 4

Follow-up: The following concern has been investigated by Bridgeton Landfill staff. At the time of this concern winds were of a due west origin placing this location directly upwind of the Bridgeton Landfill and downwind of another known local odor source. This is not believed to have been a Bridgeton Landfill odor.

Name: Briann McCormick

Message: Odor logged February 16, 2015, at 9:03 am, strength of 5

Follow-up: The following concern has been investigated by Bridgeton Landfill staff. The location of this concern was downwind of the Bridgeton Landfill at the time cited. No odor was observed in daily self-inspections. However, as no inspection was conducted within close proximity to this time and location this cannot be conclusively determined as unrelated to the Bridgeton Landfill. Therefore there is some potential that this is a Bridgeton Landfill related odor.

Name: Dawn Chapman

Message: Odor logged February 16, 2015, at 3:21 pm, strength of 5

Follow-up: The following concern cites a time of due north wind origins and is directly south of a known odor source of far closer proximity to the location than the Bridgeton Landfill. Bridgeton Landfill self-inspections did not observe odors off-site related to the Bridgeton Landfill on this date.

Name: Kathy Bell

Message: Odor logged February 16, 2015, at 4:04 pm, strength of 8

Follow-up: The following concern has been investigated by Bridgeton Landfill staff. The location of this concern was downwind of the Bridgeton Landfill at the time cited. No odor was observed in daily self-inspections. However, as no inspection was conducted within close proximity to this time and location this cannot be conclusively determined as unrelated to the Bridgeton Landfill. Therefore there is some potential that this is a Bridgeton Landfill related odor.

Name: Debbie Neumann

Message: Odor logged February 16, 2015, at 10:25 am, strength of 9
Odor logged February 17, 2015, at 8:30 am, strength of 10
Odor logged February 18, 2015, at 5:12 pm, strength of 10
Odor logged February 19, 2015, at 3:16 pm, strength of 10

Follow-up: The following concerns from the same location have been investigated by Bridgeton Landfill staff. These concerns overlap with multiple odor self-inspections when no odor related to the Bridgeton Landfill was observed as well as multiple instances in which this location was directly upwind of the Bridgeton Landfill. These are not Bridgeton Landfill odors.

Name: Gale Thackrey

Message: Odor logged February 18, 2015, at 6:47 am, strength of 7

Follow-up: The following concern was submitted during a period of strong western winds, placing it outside the downwind pathway of the Bridgeton Landfill. Odor self-inspections performed during the evening of 2-17-15 and morning of 2-18-15 did not observe any odor related to the Bridgeton Landfill in the proximity of this concern. This is not believed to have been a Bridgeton Landfill odor.

Name: Melvin Leib

Message: Odor logged February 18, 2015, at 7:16 am, strength of 9

Follow-up: The following concern was submitted during a period of strong western winds, placing it outside the downwind pathway of the Bridgeton Landfill. Odor self-inspections performed during the evening of 2-17-15 and morning of 2-18-15 did not observe any odor related to the Bridgeton Landfill in the proximity of this concern. This is not believed to have been a Bridgeton Landfill odor.

Name: Gale Thackrey

Message: Odor logged February 18, 2015, at 8:26 am, strength of 7

Follow-up: The following concern was submitted during a period of strong western winds, placing it outside the downwind pathway of the Bridgeton Landfill. Odor self-inspections performed during the evening of 2-17-15 and morning of 2-18-15 did not observe any odor related to the Bridgeton Landfill in the proximity of this concern. This is not believed to have been a Bridgeton Landfill odor.

Name: Gale Thackrey

Message: Odor logged February 18, 2015, at 9:15 am, strength of 7

Follow-up: The following concern was submitted during a period of strong western winds, placing it outside the downwind pathway of the Bridgeton Landfill. Odor self-inspections performed during the evening of 2-17-15 and morning of 2-18-15 did not observe any odor related to the Bridgeton Landfill in the proximity of this concern. This is not believed to have been a Bridgeton Landfill odor.

Name: Larry Temares, Jr.

Message: Odor logged February 18, 2015, at 6:36 pm, strength of 10

Follow-up: The following concern was investigated shortly after receipt by Bridgeton Landfill staff. Multiple points between the Bridgeton Landfill and this location were observed and no odor related to the Bridgeton Landfill was detected. Winds were of a west northwest origin, placing this location well south of the downwind pathway of the Bridgeton Landfill. This is not believed to have been a Bridgeton Landfill odor.

Name: Robbin Dailey

Message: Odor logged February 18, 2015, at 9:38 pm, strength of 9

Follow-up: The following concern has been investigated by Bridgeton Landfill staff. An odor self-inspection was performed in close proximity to this location shortly before the time cited in this concern. No odor related to the Bridgeton Landfill was observed. Winds were of a west to west by northwest origin throughout the day prior to and during the time of this concern, placing this location upwind of the Bridgeton Landfill. This is not believed to have been a Bridgeton Landfill odor.

Name: Barb Ray

Message: Odor logged February 19, 2015, at 7:55 am, strength of 9

Follow-up: The following odor concern has been investigated by Bridgeton Landfill staff. An odor self-inspection was performed within one hour of the time cited in this concern. No odor related to the Bridgeton Landfill was observed around the entirety of the site perimeter. A distinct odor of fresh garbage could be detected at the QuikTrip gas station located at the intersection of the St. Charles Rock Road and Boenker Lane, the source of which could not be conclusively determined. This was not a Bridgeton Landfill odor.

Name: Debbie Neuman

Message: Odor logged February 20, 2015, at 12:00 pm, strength of 8

Follow-up: The following concern has been investigated by Bridgeton Landfill staff. Odor self-inspections performed in the morning and afternoon on this date did not observe Bridgeton Landfill related odor anywhere off-site. Winds were of a south by southeast origin prior to and during the time of this concern, placing this location well outside the downwind pathway of the Bridgeton Landfill.

Name: Robbin Dailey

Message: Odor logged February 21, 2015, at 9:47 am, strength of 9

Follow-up: The following concern has been investigated by Bridgeton Landfill staff. Odor self-inspections performed on this date did not observe Bridgeton Landfill related odor off-site. Winds were of a west/northwest vector shortly before and during the time of this concern, placing this location upwind of the Bridgeton Landfill.

Name: Chuck Bell

Message: Odor logged February 21, 2015, at 10:19 am, strength of 6

Follow-up: The following concern has been investigated by Bridgeton Landfill staff. Odor self-inspections performed on this date did not observe Bridgeton Landfill related odor off-site. Winds were of a due west vector shortly before and during the time of this concern, placing this location upwind of the Bridgeton Landfill.

Name: Greg and Ellen Wortham

Message: Odor logged February 21, 2015, at 1:45 pm, strength of 5

Follow-up: The following concern has been investigated by Bridgeton Landfill staff. Odor self-inspections performed on this date did not observe Bridgeton Landfill related odor off-site. Winds were of a due west vector shortly before and during the time of this concern, placing this location upwind of the Bridgeton Landfill.

Name: Kathy Bell

Message: Odor logged February 21, 2015, at 8:26 pm, strength of 5

Follow-up: The following concern has been investigated by Bridgeton Landfill staff. An odor self-inspection performed approximately 1.5 hours after the time of this concern did not observe any odor related to the Bridgeton Landfill. Winds were of a west/northwest vector throughout this afternoon and evening. No technical disruptions were observed on the Bridgeton Landfill at this time.

Name: Margie Menke

Message: Odor logged February 21, 2015, at 9:57 pm, strength of 8

Follow-up: The following concern has been investigated by Bridgeton Landfill staff. An odor self-inspection was performed within an hour of this concern and did not observe any odor related to the Bridgeton Landfill.

Name: Greg and Ellen Wortham

Message: Odor logged February 22, 2015, at 4:38 pm, strength of 8

Follow-up: The following concern has been investigated by Bridgeton Landfill staff. Odor self-inspections performed on this date at multiple locations in close proximity to this concern did not observe any odor related to the Bridgeton Landfill.

Name: Greg and Ellen Wortham

Message: Odor logged February 23, 2015, at 8:30 am, strength of 4

Follow-up: The following concern has been investigated by Bridgeton Landfill staff. An odor self-inspection was performed approximately half an hour prior to the time cited in this concern. No odor related to the Bridgeton Landfill was observed. This is not believed to have been a Bridgeton Landfill odor.

Name: Debbie Neuman

Message: Odor logged February 23, 2015, at 5:30 pm, strength of 9

Follow-up: The following odor concern has been investigated by Bridgeton Landfill staff. An odor self-inspection was performed approximately half an hour before the time given in this concern. No odor related to the Bridgeton Landfill was observed. No technical disruptions occurred on-site that could have potentially caused odor following that inspection, and no odor was detected during the evening self-inspection performed from approximately 9:40 PM - 10:40 PM that evening. This is not believed to have been a Bridgeton Landfill odor.

Name: Greg and Ellen Wortham

Message: Odor logged February 23, 2015, at 6:03 pm, strength of 7

Follow-up: The following concern has been investigated by Bridgeton Landfill staff. An odor self-inspection was performed approximately one hour prior to this concern with multiple observation points between the Bridgeton Landfill and this location, including an observation point in close proximity to this location. No odor related to the Bridgeton Landfill was observed. No technical difficulties were experienced from then until the next odor self-inspection performed starting at approximately 9:40 PM. No odor related to the Bridgeton Landfill as observed on that inspection either. This is not believed to have been related to a Bridgeton Landfill odor.

Name: Debbie Neuman

Message: Odor logged February 24, 2015, at 8:30 am, strength of 10

Follow-up: The following concern has been investigated by Bridgeton Landfill staff. An odor self-inspection was performed during the time cited in this concern, with multiple observation points between this location and the Bridgeton Landfill, including a location less than 1000' from this location. No odor related to the Bridgeton Landfill was observed. This was not a Bridgeton Landfill odor.

Name: Dawn Chapman

Message: Odor logged February 24, 2015, at 7:45 pm, strength of 5

Follow-up: The following concern has been investigated by Bridgeton Landfill staff. An odor self-inspection round performed approximately 1.5 hours after this concern time did not observe any odor related to the Bridgeton Landfill. At the time of this concern winds were of a west by southwest origin, and winds throughout the day had either been from the west, south, or some combination thereof. The Bridgeton Landfill is located almost due north of this concern location and therefore this location was well outside the downwind pathway of the Bridgeton Landfill at the time of this concern. This is not believed to have been a Bridgeton Landfill odor.

Name: Bob Nowlin

Message: Odor logged February 25, 2015, at 4:05 pm, strength of 7

Follow-up: The following concern has been investigated by Bridgeton Landfill staff. The concern was filed during an odor self-inspection round and was therefore investigated at the location immediately upon receipt. No odor related to the Bridgeton Landfill was observed.

Name: Rebecca Tobar

Message: Odor logged February 25, 2015, at 4:15 pm, strength of 6

Follow-up: The following concern has been investigated by Bridgeton Landfill staff. At the time cited in this concern, Bridgeton Landfill staff were performing an odor self-inspection with observation points within close proximity to this concern. No odor was detected related to the Bridgeton Landfill. This was not a Bridgeton Landfill related odor.

Name: Margie Menke

Message: Odor logged February 26, 2015, at 8:45 am, strength of 8

Follow-up: The following concern has been investigated by Bridgeton Landfill staff. An odor self-inspection was performed within 15 minutes of this concern being filed. No odor was observed at any point during this self-inspection, including multiple points in close proximity to this concern location. This is not believed to have been a Bridgeton Landfill odor.

Name: Larry Temares, Jr.

Message: Odor logged February 26, 2015, at 3:35 pm, strength of 7

Follow-up: The following concern was investigated immediately upon receipt by Bridgeton Landfill staff. No odor was detected at this location but a distinct yet brief and intermittent odor best described as septic was detected at the intersection of Boenker Lane and the St. Charles Rock Road. This odor was also detected at the intersection of Pennridge Drive and Hollenberg Drive. The source of this odor could not be identified but did not match any known Bridgeton Landfill odor and nothing similar could be observed on-site or in closer proximity to the Bridgeton Landfill.

ATTACHMENT I

LIQUID CHARACTERIZATION DATA

Liquid Characterization Data

Liquid characterization data is made available to MDNR on an ongoing basis. No additional leachate characterization data, beyond that produced for MSD, was collected during the prior month.

ATTACHMENT J

LIQUID TRANSPORT MANIFEST LOGS

Bridgeton Landfill - Leachate PreTreatment Plant

February 2015

Hauled Disposal to MSD – Bissell Point

Date	Waste	Source	Transporter	Quantity
2/1/2015				300,000
2/2/2015				300,000
2/3/2015				300,000
2/4/2015				300,000
2/5/2015				300,000
2/6/2015				300,000
2/7/2015				300,000
2/8/2015				300,000
2/9/2015				120,000
2/10/2015				0
2/11/2015				120,000
2/12/2015				240,000
2/13/2015				240,000
2/14/2015	LPTP			0
2/15/2015	Activated			0
2/16/2015	Sludge/	Tank 1 (T1)	MBI	232,500
2/17/2015	Permeate			300,000
2/18/2015				270,000
2/19/2015				270,000
2/20/2015				255,000
2/21/2015				240,000
2/22/2015				240,000
2/23/2015				240,000
2/24/2015				255,000
2/25/2015				255,000
2/26/2015				232,500
2/27/2015				255,000
2/28/2015				255,000

Total = 6,420,000

Direct Discharge to MSD – Missouri River Plant

Date	Waste	Source	Quantity (gal)
2/1/2015			0
2/2/2015			0
2/3/2015			0
2/4/2015			0
2/5/2015			0
2/6/2015			82,218
2/7/2015			137,709
2/8/2015			74,418
2/9/2015			99,379
2/10/2015			99,555
2/11/2015			102,643
2/12/2015			105,549
2/13/2015			152,379
2/14/2015		Through Tank	69,010
2/15/2015	LPTP	AST 97k (MSD	98,721
2/16/2015	Permeate	Sampling	0
2/17/2015		Point 013)	0
2/18/2015			0
2/19/2015			0
2/20/2015			0
2/21/2015			0
2/22/2015			0
2/23/2015			0
2/24/2015			0
2/25/2015			0
2/26/2015			0
2/27/2015			0
2/28/2015			0

Total = 1,021,581

*Red indicates a predicted amount.