

Bridgeton Landfill, LLC

Monthly Data Submittals

December 2019

Required by Section IX.f of Final Consent Judgement, Case No. 13SL-
CC01088-01
Effective June 29, 2018

Contents:

Commentary on Data

Attachment A	Daily Flare Monitoring Data
• A-1	Flow Data Table
• A-2	Flow Data Graphs
Attachment B	Well Condition/Status Update
Attachment C	Laboratory Data
• C-1	Lab Analyses Summary
• C-2	Lab Analyses Reports
Attachment D	Gas Wellfield Data
• D-1	Wellfield Data Table
• D-2	Maximum Wellhead Temperature Table
Attachment E	Settlement Front Map
Attachment F	Liquid Characterization Data and Discharge Log
Attachment G	Volumes of Leachate Processed
Attachment H	Slip Failure and Separation Assessment

Provided Separately:

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

January 20, 2020

Commentary on Data

January 20, 2020

The following observations and comments are offered during this time period:

Gas Volume

- As presented in Attachment B-1, the gas collection volumetric rate for this month averaged a total site flow of 1,043 SCFM, as normalized per the MDNR weekly flow and TRS sampling results.
- On October 8, 2019 all landfill gas from the North Quarry was directed to the FL-120 Flare (combined with the South Quarry Landfill Gas). Therefore, as of this date, there was no flare testing nor data from the Auxiliary Flare. For the December 2019 Monthly Report, this affected the Appendix A – Flare Data and Flare Graphs.

Gas Quality

- Attachments D and E present the monthly data related to gas quality as measured at the respective wellheads.
- Attachment E-1 presents vertical wells which exhibited oxygen levels at or greater than 5% during one (1) or more weekly monitoring events during this reporting period. These consisted of 24 GEW wells that are experiencing low or restricted flows, zero leachate collection sumps (LCS), and two (2) GIW wells that exhibit low gas flow due to the cooling loops that are installed in these wells. By the end of the month, 14 of the GEW wells and 2 of the GIW wells still exhibited oxygen levels at or greater than 5% at the wellhead. All of these wells are low-flow/vacuum sensitive wells with valves that are only slightly open. On-going tuning, maintenance, and pump operation are being performed to manage the oxygen content.
- Attachment E-2 presents gas temperatures as measured at the wellheads. Three (3) vertical wells (excluding GIW wells) increased by 30°F or more during this reporting period. Additionally, eight (8) vertical wells (excluding GIW wells) decreased by 30°F or more. All wells that exhibited changes greater than 30°F are within the historical gas temperature norms for these wells or within the range of temperatures of nearby vertical wells.
- All gas wells in the North Quarry exhibited a maximum wellhead temperature less than 145°F during this reporting period, with the exception of GEW-054 (146.3°F). Carbon monoxide (CO) results were non-detect (ND) for North Quarry wells, with the exception of GEW-053 (63 ppm), consistent with past events.
- Site personnel are performing a comprehensive wellfield investigation to optimize the landfill gas collection and control system (GCCS). Wells that have previously been decommissioned due to excessive moisture and/or dangerous conditions have been

reviewed and monitored to determine if the wells have obstructions that would prohibit pump installation and would therefore preclude leachate and landfill gas collection. Wells with no identified downhole integrity issues and which are no longer exhibiting excessive moisture and/or dangerous conditions have been brought back online. Wells with no identified downhole integrity issues but which still exhibit excessive moisture and/or dangerous conditions will remain decommissioned until conditions at the location improve. Wells with poor gas quality are planned to be decommissioned in the latter half of 2019. This investigation will continue through the remainder of the Fourth Quarter 2019, and wellfield expansion and abandonment activities will be reported in the quarterly Landfill Gas Corrective Action Update.

Settlement

- The South Quarry exhibited monthly maximum settlement up to 0.22 feet over 32 days during this reporting period (see Attachment E).

Bird Monitoring and Mitigation

- Bridgeton Landfill conducted bird monitoring during this reporting period in accordance with the Approved Bird Hazard Monitoring and Mitigation Plan, last updated in December 2016. Birds noted on-site are dispersed using pyrotechnics, a cap gun, vehicles, or on foot. Logs of bird population observations are provided to the Airport and the USDA APHIS Wildlife Services on a weekly basis.

Natural Gas Usage

- Natural gas was used as a supplemental fuel for the destruction of landfill gas in the previous month. The requirements for landfill gas destruction under 40 CFR 60 Subpart WWW were achieved by meeting the provisions of 40 CFR 60 Subpart A under §60.18 for non-assisted flares. A total of 259,100 cubic feet of supplemental fuel was used. 3,900 cubic feet of supplemental fuel was used between 12/2/19 and 12/3/19, 71,500 cubic feet of supplemental fuel was used between 12/9/19 and 12/11/19, 183,200 cubic feet of supplemental fuel was used between 12/13/19 and 12/19/19, and 500 cubic feet of supplemental fuel was used on 12/26/19.

ATTACHMENT A

DAILY FLARE MONITORING DATA

ATTACHMENT A-1

FLOW DATA TABLE

Daily Flare Monitoring Data - Bridgeton Landfill
December 2019

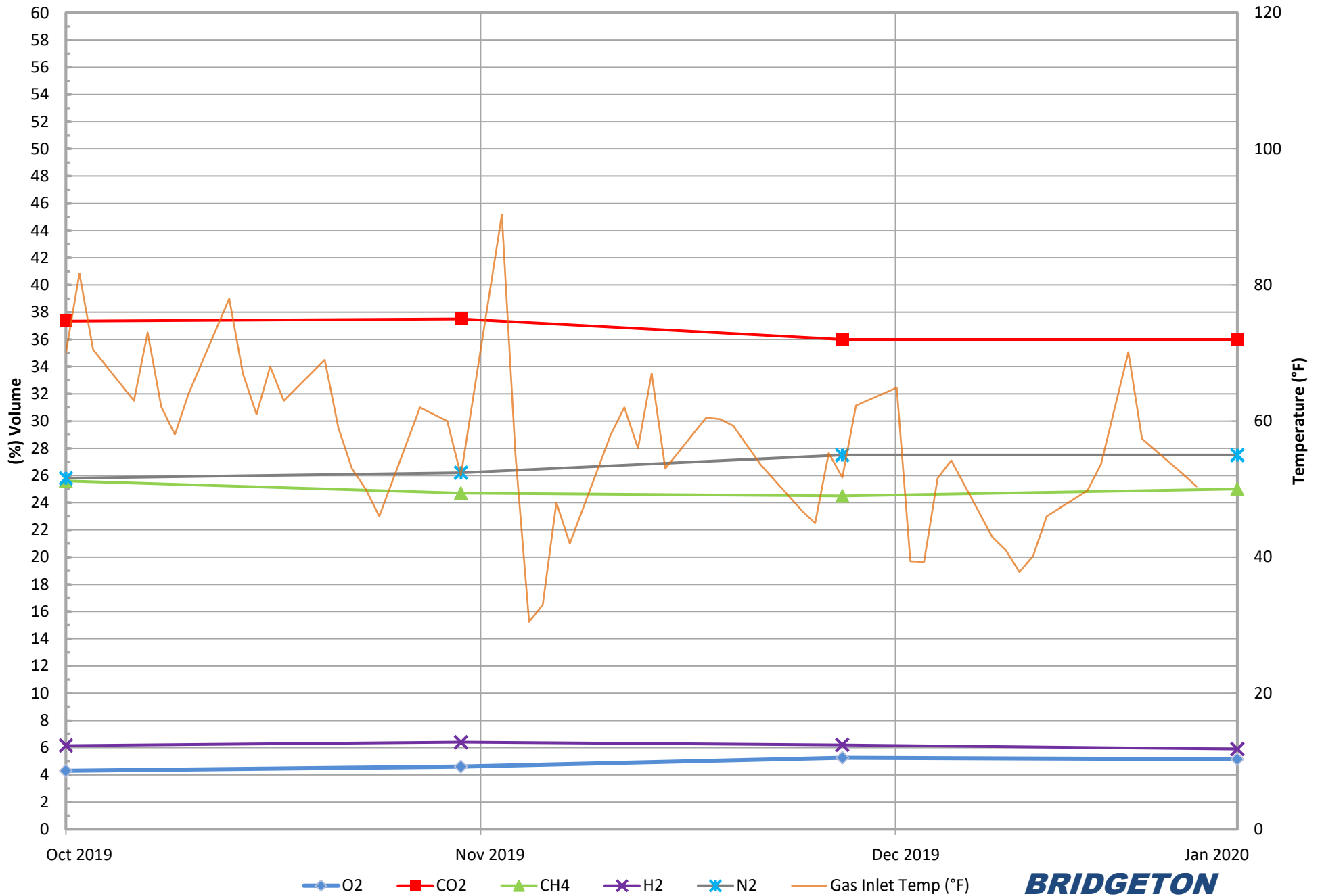
Date	Average Device Flow* (scfm)			Total Avg. Flow** (scfm)
	Utility Flare (FL-100)	Utility Flare (FL-120)	Utility Flare (FL-140)	
12/1/2019	0	1,063	0	1,063
12/2/2019	496	518	0	1,014
12/3/2019	453	444	23	919
12/4/2019	0	1,085	0	1,085
12/5/2019	0	1,076	0	1,076
12/6/2019	46	1,008	0	1,054
12/7/2019	0	1,064	0	1,064
12/8/2019	0	1,060	0	1,060
12/9/2019	0	1,046	0	1,046
12/10/2019	0	1,025	0	1,025
12/11/2019	0	1,048	0	1,048
12/12/2019	0	1,058	0	1,058
12/13/2019	0	1,060	0	1,060
12/14/2019	0	1,033	0	1,033
12/15/2019	0	1,022	0	1,022
12/16/2019	0	1,016	0	1,016
12/17/2019	0	1,017	0	1,017
12/18/2019	0	1,033	0	1,033
12/19/2019	0	1,044	0	1,044
12/20/2019	0	1,044	0	1,044
12/21/2019	0	1,046	0	1,046
12/22/2019	0	1,055	0	1,055
12/23/2019	0	1,072	0	1,072
12/24/2019	0	1,066	0	1,066
12/25/2019	0	1,073	0	1,073
12/26/2019	0	1,000	0	1,000
12/27/2019	0	1,057	0	1,057
12/28/2019	0	1,069	0	1,069
12/29/2019	0	1,050	0	1,050
12/30/2019	0	1,029	0	1,029
12/31/2019	0	1,022	0	1,022
AVERAGE	33	1,009	1	1,043

* Flows normalized to **Blower Outlet Flowmeter - EPA Method 2 measurement verified
 *** On 3/18/2016, the Bridgeton Landfill began separating the North Quarry gas to the Auxiliary Flare.
 On 10/8/19, the Bridgeton Landfill combined the North Quarry gas and the South Quarry Gas to the Main Flare

ATTACHMENT A-2

FLOW DATA GRAPHS

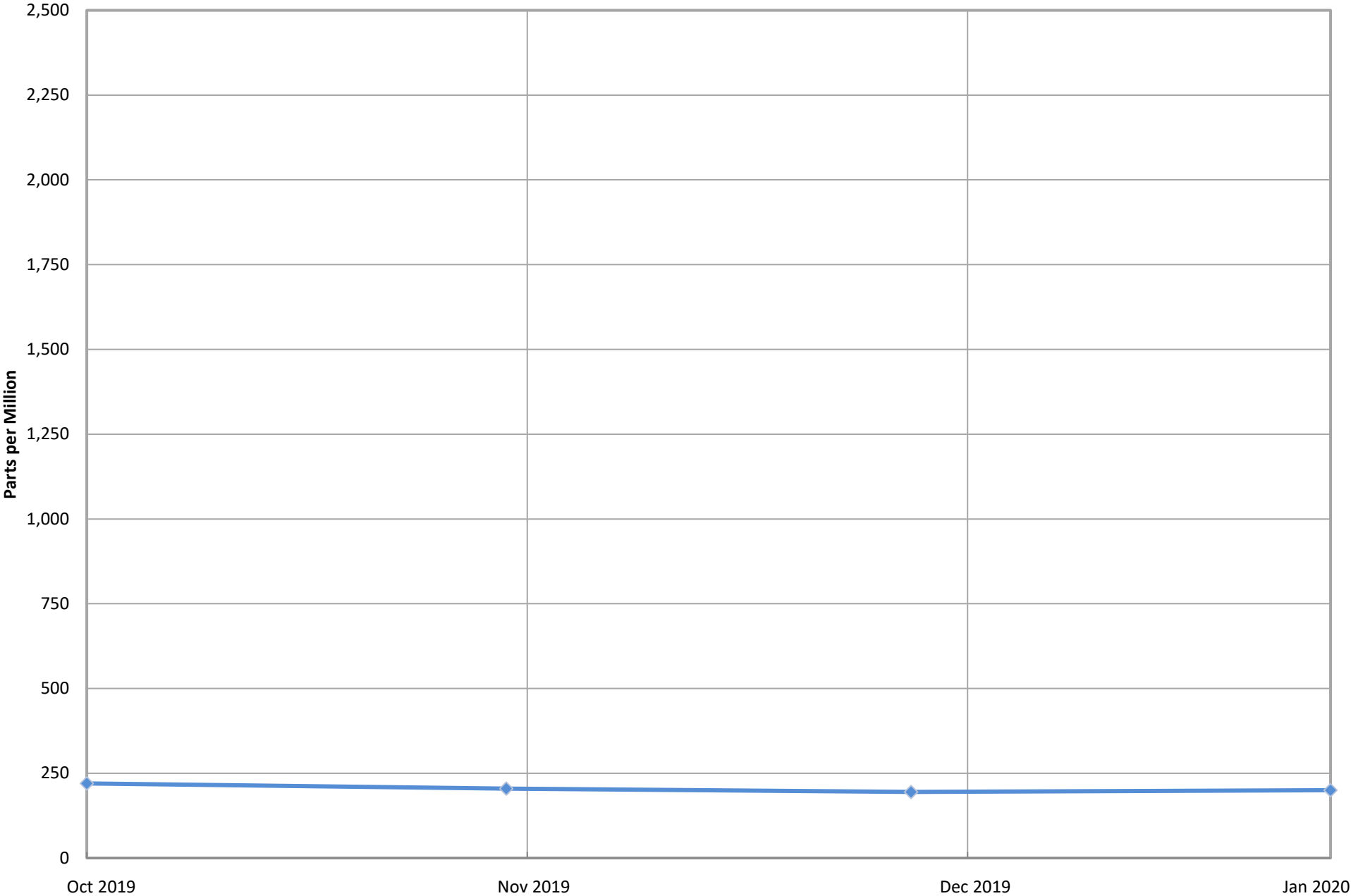
Combined Inlet Gas and Temperature*



**BRIDGETON
LANDFILL**

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

Combined Inlet Carbon Monoxide*

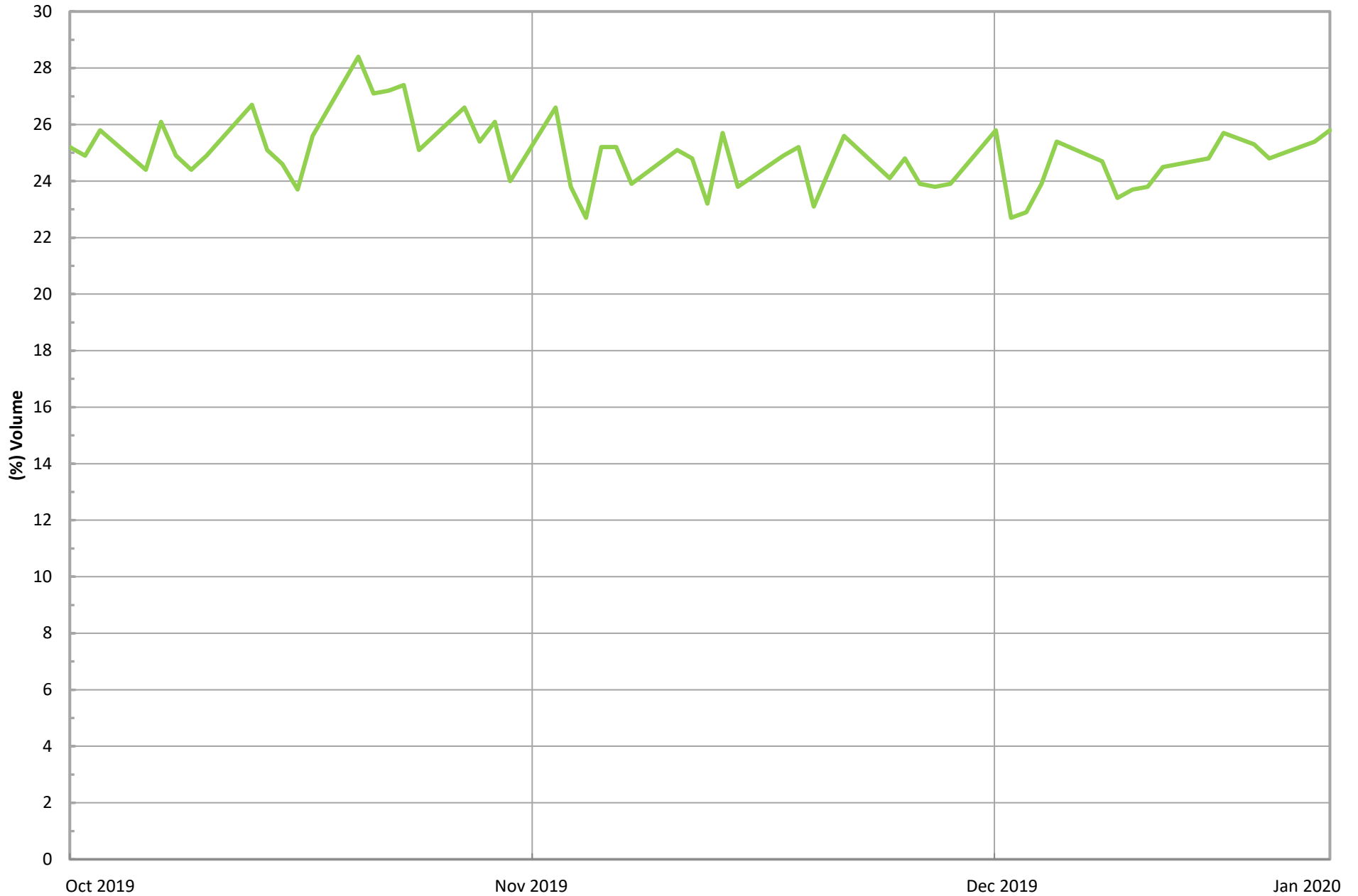


—◆— Inlet Carbon Monoxide*

*Data collected from Laboratory Reports.

**BRIDGETON
LANDFILL**

Combined Inlet Methane (Field Data)*

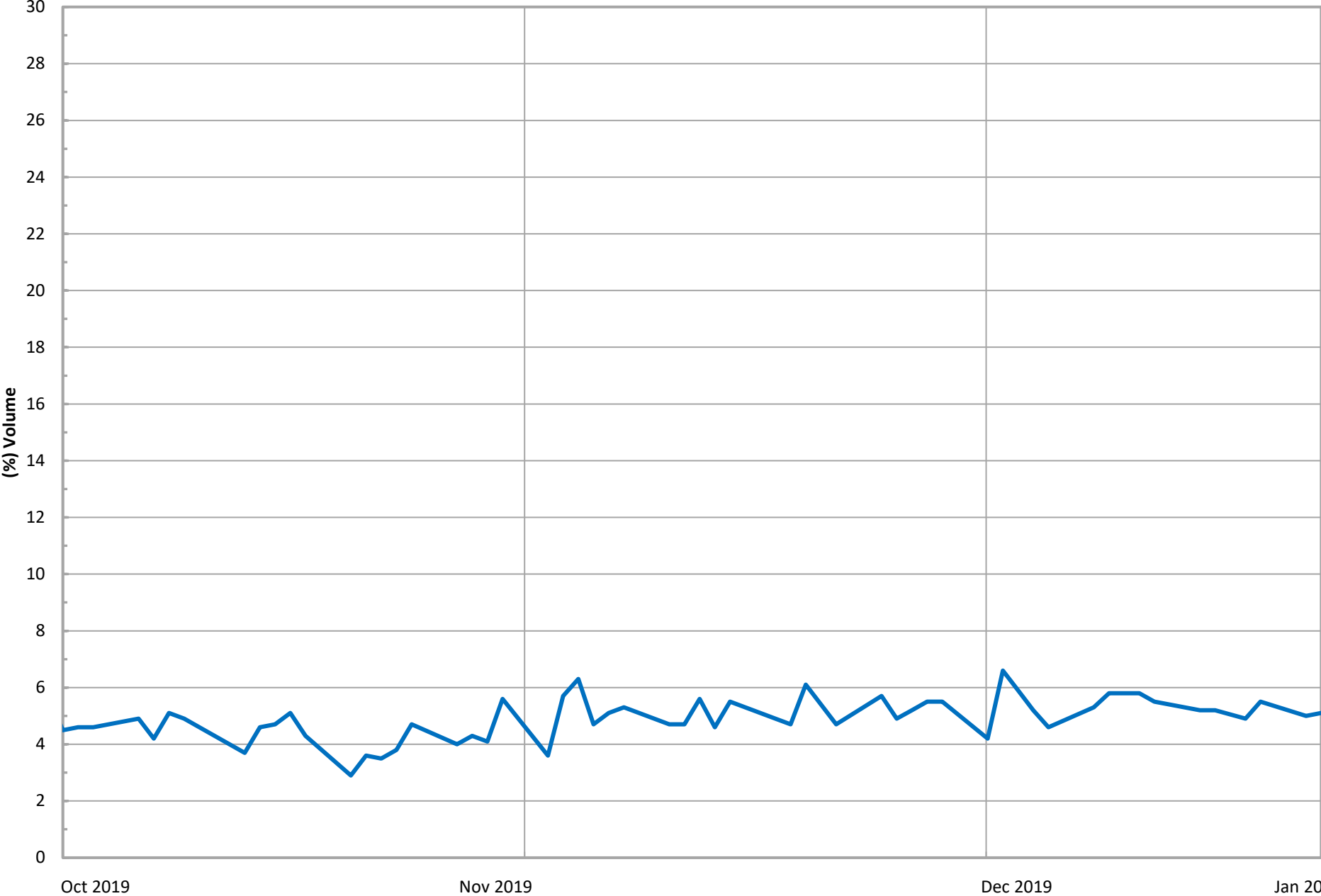


*Gas data collected from field monitoring data.

— Combined Inlet Methane (Field Data)*

**BRIDGETON
LANDFILL**

Combined Inlet Oxygen (Field Data)*

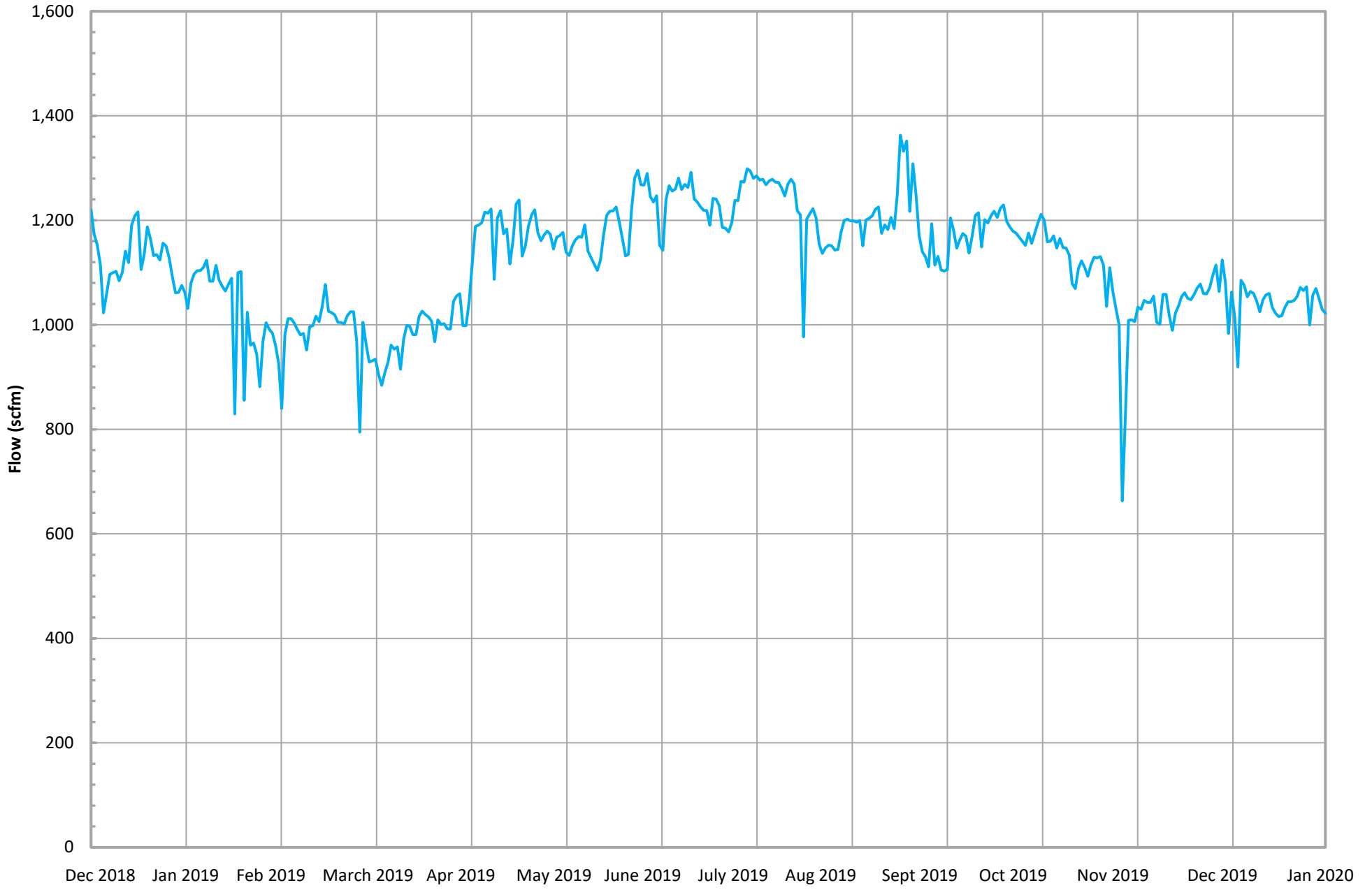


*Gas data collected from field monitoring data

— Combined Inlet Oxygen (Field Data)*

**BRIDGETON
LANDFILL**

Total Combined Flow (scfm)*



*Combined flow is based on tabulated flow data collected daily from FL-100, FL-120, FL-140, and the Auxillary Candlestick Flare. On 10/8/19, the Auxillary Candelstick Flare was redirected to the Main Flare.

— Total Combined Flow (scfm)*

BRIDGETON
LANDFILL

ATTACHMENT B

WELL CONDITON/STATUS REPORT

December 2019

ID	Well Condition	Comments
GEW-2	Operational	
GEW-2S	Operational	
GEW-3	Operational	
GEW-4	Operational	
GEW-5	Operational	
GEW-6	Operational	
GEW-7	Operational	
GEW-8	Operational	
GEW-9	Operational	
GEW-10	Operational	
GEW-13A	Operational	
GEW-15	Operational	
GEW-16R	Operational	
GEW-18B	Operational	
GEW-19A	Operational	
GEW-39	Operational	
GEW-40	Operational	
GEW-41R	Operational	
GEW-42R	Operational	
GEW-43R	Operational	
GEW-44	Operational	
GEW-45R	Operational	
GEW-46R	Operational	
GEW-47R	Operational	
GEW-48	Operational	
GEW-49	Operational	
GEW-50	Operational	
GEW-51	Operational	
GEW-52	Operational	
GEW-53	Operational	
GEW-54	Operational	
GEW-55	Operational	
GEW-56R	Operational	
GEW-57B	Operational	
GEW-58A	Operational	
GEW-59R	Operational	
GEW-67A	Operational	
GEW-68A	Operational	
GEW-78R	Operational	
GEW-82R	Operational	
GEW-86	Operational	
GEW-87	Operational	
GEW-88	Operational	
GEW-90	Operational	

December 2019

ID	Well Condition	Comments
GEW-91	Operational	
GEW-100	Operational	
GEW-101	Operational	
GEW-102	Operational	
GEW-104	Operational	
GEW-105	Operational	
GEW-106	Operational	
GEW-107	Operational	
GEW-108	Operational	
GEW-109	Operational	
GEW-110	Operational	
GEW-113	Operational	
GEW-116	Operational	
GEW-117	Operational	
GEW-118	Operational	
GEW-120	Operational	
GEW-121	Operational	
GEW-122	Operational	
GEW-123	Operational	
GEW-124	Operational	
GEW-125	Operational	
GEW-126	Operational	
GEW-127	Operational	
GEW-128	Non-Operational	Decommissioned
GEW-129	Operational	
GEW-130	Operational	
GEW-131	Operational	
GEW-132	Operational	
GEW-133	Operational	
GEW-134	Operational	
GEW-135	Operational	
GEW-137	Operational	
GEW-138	Operational	
GEW-139	Operational	
GEW-140	Operational	
GEW-144	Non-Operational	Decommissioned
GEW-145	Operational	
GEW-147	Operational	
GEW-148	Operational	
GEW-149	Operational	
GEW-150	Operational	
GEW-151	Operational	
GEW-152	Operational	
GEW-153	Operational	

December 2019

ID	Well Condition	Comments
GEW-154	Non-Operational	Decommissioned
GEW-155	Non-Operational	Decommissioned
GEW-156	Operational	
GEW-157	Operational	
GEW-158	Operational	
GEW-159	Operational	
GEW-160	Operational	
GEW-161	Operational	
GEW-162	Operational	
GEW-163	Operational	
GEW-164	Operational	
GEW-165	Operational	
GEW-166	Operational	
GEW-167	Operational	
GEW-168	Operational	
GEW-169	Operational	
GEW-170	Operational	
GEW-171	Operational	
GEW-172	Operational	
GEW-173	Non-Operational	Decommissioned
GEW-174	Operational	
GEW-175	Operational	
GEW-176	Operational	
GEW-177	Operational	
GEW-178	Operational	
GEW-179	Operational	
GEW-180	Operational	
GEW-181	Operational	
GEW-182	Non-Operational	Decommissioned
GEW-184	Non-Operational	Decommissioned
GEW-185	Operational	
GEW-186	Operational	
GEW-187	Operational	
GEW-188	Non-Operational	Decommissioned
GEW-217	Operational	
GEW-218	Operational	
GEW-219	Operational	
GEW-220	Operational	
GEW-221	Operational	
GEW-222	Operational	
GEW-223	Operational	
GEW-224	Operational	
GEW-225	Operational	
GEW-226	Operational	

December 2019		
ID	Well Condition	Comments
GEW-227	Operational	
GEW-228	Operational	
GEW-229	Operational	
GEW-230	Operational	
GEW-231	Operational	
GEW-232	Operational	
GEW-233	Operational	
GEW-234	Operational	
GEW-235	Operational	
GEW-236	Operational	
GEW-237	Operational	
GEW-238	Operational	
GEW-239	Operational	
GEW-240	Operational	
GIW-1	Operational	
GIW-2	Operational	
GIW-3	Operational	
GIW-4	Operational	
GIW-5	Operational	
GIW-6	Operational	
GIW-7	Operational	
GIW-8	Operational	
GIW-9	Operational	
GIW-10	Operational	
GIW-11	Operational	
GIW-12	Operational	
GIW-13	Operational	

ATTACHMENT C

LABORATORY DATA

ATTACHMENT C-1

LABORATORY ANALYSES SUMMARY

Laboratory Analysis - Bridgeton Landfill

Well Name	Date Sampled	Methane	CO ₂	O ₂ /Argon	Nitrogen	Hydrogen	Carbon Monoxide (ppm)	Comments
GEW-002	8/13/2019	54	41	ND	4.7	0.070	ND	
GEW-002	9/6/2019	54	40	ND	5.5	ND	ND	
GEW-002	10/9/2019	53	40	ND	6.5	0.13	ND	
GEW-002	11/19/2019	53	40	ND	5.2	ND	ND	
GEW-002	12/11/2019	52	39	ND	8.5	ND	ND	
GEW-02S	8/13/2019	56	34	ND	8.1	0.044	ND	
GEW-02S	9/5/2019	57	34	ND	8.3	ND	ND	
GEW-02S	10/25/2019	56	33	1.5	10	ND	ND	
GEW-02S	10/31/2019	54	32	1.9	12	0.054	ND	
GEW-02S	11/19/2019	59	34	ND	6.0	ND	ND	
GEW-02S	12/10/2019	53	33	1.5	13	ND	ND	
GEW-02S	12/23/2019	53	32	2.2	13	ND	ND	
GEW-003	8/13/2019	51	38	ND	9.5	0.051	ND	
GEW-003	9/6/2019	53	39	ND	6.7	ND	ND	
GEW-003	10/9/2019	50	39	ND	9.5	0.035	ND	
GEW-003	11/19/2019	51	42	ND	6.7	ND	ND	
GEW-003	12/11/2019	53	41	ND	5.1	ND	ND	
GEW-004	8/13/2019	55	40	ND	4.7	0.12	ND	
GEW-004	9/6/2019	53	38	1.7	7.5	ND	ND	
GEW-004	9/23/2019	54	39	ND	5.8	ND	ND	
GEW-004	10/16/2019	52	39	ND	7.7	0.096	ND	
GEW-004	11/19/2019	49	37	2.2	11	0.038	ND	
GEW-004	11/27/2019	55	40	ND	5.3	0.034	ND	
GEW-004	12/11/2019	54	40	ND	5.2	0.036	ND	
GEW-005	8/13/2019	43	28	5.9	23	ND	ND	See Note 3
GEW-005	8/28/2019	54	36	ND	8.8	ND	ND	
GEW-005	9/6/2019	56	37	ND	6.0	ND	ND	
GEW-005	10/16/2019	49	36	ND	14	ND	ND	
GEW-005	11/19/2019	54	37	ND	7.6	ND	ND	
GEW-005	12/11/2019	55	37	ND	7.7	ND	ND	
GEW-006	8/13/2019	54	36	1.9	8.2	ND	ND	
GEW-006	8/28/2019	57	38	ND	4.5	ND	ND	
GEW-006	9/6/2019	57	38	ND	4.6	ND	ND	
GEW-006	10/16/2019	51	37	ND	12	ND	ND	
GEW-006	11/19/2019	54	38	ND	7.3	ND	ND	
GEW-006	12/11/2019	55	37	ND	7.5	ND	ND	
GEW-007	8/12/2019	54	39	ND	5.6	0.073	ND	
GEW-007	9/4/2019	56	39	ND	3.7	ND	ND	
GEW-007	10/8/2019	54	40	ND	4.6	0.050	ND	
GEW-007	11/18/2019	56	40	ND	3.5	ND	ND	
GEW-007	12/9/2019	55	40	ND	3.6	ND	ND	
GEW-008	8/12/2019	45	37	3.7	13	1.0	ND	See Note 3
GEW-008	8/28/2019	52	42	ND	3.2	1.1	ND	
GEW-008	9/4/2019	53	41	ND	3.8	1.1	ND	
GEW-008	10/8/2019	52	42	ND	3.6	1.2	ND	
GEW-008	11/18/2019	53	43	ND	ND	1.4	ND	
GEW-008	12/9/2019	49	40	2.1	8.0	1.4	ND	
GEW-008	12/23/2019	52	42	ND	3.5	1.2	ND	
GEW-009	8/12/2019	53	42	ND	3.5	0.65	ND	
GEW-009	9/4/2019	52	40	ND	6.1	0.61	ND	
GEW-009	10/8/2019	50	40	ND	7.7	0.61	ND	
GEW-009	11/18/2019	50	41	ND	7.7	0.60	ND	
GEW-009	12/9/2009	50	41	ND	7.3	0.68	ND	
GEW-040	8/13/2019	59	35	ND	4.9	0.036	ND	
GEW-040	9/5/2019	53	33	1.8	12	ND	ND	

Laboratory Analysis - Bridgeton Landfill

Well Name	Date Sampled	Methane	CO ₂	O ₂ /Argon	Nitrogen	Hydrogen	Carbon Monoxide	Comments
							(ppm)	
(%)								
GEW-040	9/23/2019	55	35	ND	9.2	ND	ND	
GEW-040	10/9/2019	48	31	2.8	18	0.034	ND	
GEW-040	10/30/2019	50	33	ND	16	0.030	ND	See Note 3
GEW-040	11/18/2019	59	35	ND	5.4	ND	ND	
GEW-040	12/9/2019	58	35	ND	6.9	ND	ND	
GEW-041R	8/13/2019	55	37	ND	7.1	ND	ND	
GEW-041R	9/5/2019	56	36	ND	7.7	ND	ND	
GEW-041R	10/9/2019	49	35	ND	15	ND	ND	
GEW-041R	11/18/2019	53	35	ND	11	ND	ND	
GEW-041R	12/10/2019	53	35	ND	12	ND	ND	
GEW-042R	8/13/2019	56	39	ND	4.2	0.061	ND	
GEW-042R	9/5/2019	56	38	ND	5.2	ND	ND	
GEW-042R	10/9/2019	53	38	ND	8.3	0.045	ND	
GEW-042R	11/18/2019	54	37	ND	7.8	ND	ND	
GEW-042R	12/10/2019	53	36	1.5	9.1	ND	ND	
GEW-042R	12/23/2019	55	38	ND	5.4	ND	ND	
GEW-043R	8/13/2019	55	41	ND	3.7	0.19	ND	
GEW-043R	9/5/2019	55	40	ND	3.5	0.14	ND	
GEW-043R	10/9/2019	54	41	ND	4.0	ND	ND	
GEW-043R	11/18/2019	54	40	ND	4.2	0.13	ND	
GEW-043R	12/10/2019	55	40	ND	3.8	0.13	ND	
GEW-044	8/13/2019	54	37	ND	8.2	ND	ND	
GEW-044	9/5/2019	55	37	ND	7.4	ND	ND	
GEW-044	10/9/2019	48	37	ND	14	ND	ND	
GEW-044	11/18/2019	53	36	1.8	9.0	ND	ND	
GEW-044	11/27/2019	46	35	ND	19	ND	ND	
GEW-044	12/10/2019	45	34	ND	20	ND	ND	
GEW-045R	8/13/2019	56	39	ND	3.9	ND	ND	
GEW-045R	9/5/2019	57	38	ND	4.2	ND	ND	
GEW-045R	10/9/2019	56	39	ND	3.9	0.038	ND	
GEW-045R	11/18/2019	56	40	ND	3.9	ND	ND	
GEW-045R	12/10/2019	57	39	ND	3.3	ND	ND	
GEW-046R	8/13/2019	52	37	ND	9.8	0.087	ND	
GEW-046R	9/5/2019	55	37	ND	7.1	ND	ND	
GEW-046R	10/9/2019	54	38	ND	6.1	0.15	ND	
GEW-046R	11/18/2019	54	38	ND	6.0	ND	ND	
GEW-046R	12/10/2019	55	39	ND	4.8	0.047	ND	
GEW-047R	8/13/2019	53	40	ND	6.4	ND	ND	
GEW-047R	9/6/2019	53	39	ND	7.1	ND	ND	
GEW-047R	10/16/2019	47	39	ND	13	0.032	ND	
GEW-047R	11/19/2019	52	40	ND	7.4	ND	ND	
GEW-047R	12/11/2019	54	40	ND	5.7	ND	ND	
GEW-048	8/13/2019	55	38	ND	5.9	ND	ND	
GEW-048	9/6/2019	56	38	ND	5.4	ND	ND	
GEW-048	10/16/2019	51	38	ND	9.7	ND	ND	
GEW-048	11/19/2019	54	39	ND	6.3	ND	ND	
GEW-048	12/11/2019	56	38	ND	5.1	ND	ND	
GEW-049	8/13/2019	53	39	ND	7.2	ND	ND	
GEW-049	9/5/2019	53	38	ND	7.5	0.078	ND	
GEW-049	10/9/2019	53	40	ND	6.8	ND	ND	
GEW-049	11/18/2019	53	40	ND	5.8	0.033	ND	
GEW-049	12/10/2019	48	36	ND	15	ND	ND	
GEW-050	8/12/2019	56	38	ND	4.4	0.088	ND	
GEW-050	9/4/2019	55	37	ND	6.5	0.072	ND	
GEW-050	10/8/2019	51	36	1.6	11	0.097	ND	
GEW-050	10/30/2019	53	37	ND	8.6	0.034	ND	

Laboratory Analysis - Bridgeton Landfill

Well Name	Date Sampled	Methane	CO ₂	O ₂ /Argon	Nitrogen	Hydrogen	Carbon Monoxide (ppm)	Comments
GEW-050	11/18/2019	55	38	ND	6.0	ND	ND	
GEW-050	12/9/2019	55	38	ND	6.4	ND	ND	
GEW-051	8/12/2019	54	40	ND	3.9	1.1	ND	
GEW-051	9/4/2019	54	39	ND	4.4	1.1	ND	
GEW-051	10/8/2019	54	40	ND	3.4	1.2	ND	
GEW-051	11/18/2019	54	40	ND	3.8	1.0	ND	
GEW-051	12/9/2019	54	41	ND	ND	1.1	ND	
GEW-052	8/12/2019	53	38	ND	7.7	0.041	ND	
GEW-052	9/4/2019	52	37	ND	9.2	0.043	ND	
GEW-052	10/8/2019	52	39	ND	8.5	0.064	ND	
GEW-052	11/18/2019	49	38	ND	12	ND	ND	
GEW-052	12/9/2019	50	38	ND	11	ND	ND	
GEW-053	8/13/2019	49	41	ND	4.7	3.4	66	
GEW-053	9/5/2019	49	41	ND	4.3	4.4	66	
GEW-053	10/9/2019	49	41	ND	4.5	4.2	68	
GEW-053	11/18/2019	50	42	ND	3.3	3.6	66	
GEW-053	12/9/2019	50	43	ND	ND	3.9	63	
GEW-054	8/13/2019	50	41	ND	5.8	1.8	ND	
GEW-054	9/5/2019	52	41	ND	4.2	1.7	ND	
GEW-054	10/9/2019	51	41	ND	4.5	2.0	ND	
GEW-054	11/18/2019	48	39	2.3	8.8	1.7	ND	
GEW-054	11/27/2019	45	36	3.7	14	1.5	ND	See Note 3
GEW-054	12/9/2019	51	41	ND	4.9	1.7	ND	
GEW-055	8/13/2019	51	42	ND	4.3	1.5	ND	
GEW-055	9/5/2019	49	40	1.8	6.8	1.9	ND	
GEW-055	9/23/2019	52	42	ND	3.5	1.9	ND	
GEW-055	10/9/2019	49	40	1.9	6.9	1.9	ND	
GEW-055	10/30/2019	52	41	ND	4.6	1.3	ND	
GEW-055	11/18/2019	52	42	ND	3.7	1.4	ND	
GEW-055	12/9/2019	52	42	ND	3.7	1.4	ND	
Flare Station ²	8/9/2019	45.9	36.2	2.4	14.4	ND	ND	See Note 5
Flare Station ²	9/9/2019	49.2	36.7	2.1	11.7	0.32	ND	See Note 5
Flare Station ²	10/9/2019	25.6	37.4	4.3	25.8	6.2	220	See Note 9
Flare Station ²	11/7/2019	24.7	37.5	4.6	26.2	6.4	205	See Note 9
Flare Station ²	12/5/2019	24.5	36.0	5.3	27.5	6.2	195	See Note 9

Notes: (1) Based on the comparison of field to laboratory readings, oxygen to balance gas ratios, and historical concentrations, the sample was determined to be suspect due to oxygen introduction which likely occurred during sample collection or laboratory analytical methods. (2) MDNR also collected duplicate LFG samples at these locations during this sampling period. (3) Based on the oxygen verification readings taken with an Envision meter, it was determined there is a sample train leak. (4) Based on the oxygen verification readings taken with an Envision meter, it was determined that the readings are accurate. (5) Flare station gas concentration data is an average of NQ EP14 A (or 1) and NQ EP14 B (or 2), located in the North Quarry. (6) Flare station gas concentration data is an average of Outlets 1 and 2 (A & B) or SQ OU 1 and OU 2, located in the South Quarry. (7) Sample not reported by lab due to canister leak. (8) Invalid sample due to canister leak; resampled. (9) On 10/8/19 the North Quarry and South Quarry Flares were combined.

ND = Analyte not detected in sample.

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

Laboratory Analysis - Bridgeton Landfill

Well Name	Date Sampled	Methane	CO ₂	O ₂ /Argon	Nitrogen	Hydrogen	Carbon Monoxide (ppm)	Comments
GEW-010	8/12/2019	53	42	ND	ND	0.46	ND	
GEW-010	9/4/2019	53	41	ND	4.4	0.45	ND	
GEW-010	10/16/2019	54	42	ND	ND	0.46	ND	
GEW-010	11/13/2019	54	41	ND	3.1	0.34	ND	
GEW-010	12/5/2019	54	41	ND	3.6	0.18	ND	
GEW-013A	10/4/2019	5.8	62	ND	6.2	23	760	
GEW-015	10/7/2019	19	44	ND	11	24	720	
GEW-016R	10/7/2019	5.2	53	ND	5.2	34	1,000	
GEW-018B	10/9/2019	6.1	35	3.9	37	18	480	
GEW-019A	10/9/2019	0.66	55	4.5	16	22	1,000	
GEW-039	8/14/2019	26	34	2.3	37	ND	ND	
GEW-039	9/16/2019	34	37	ND	28	ND	ND	
GEW-039	10/16/2019	39	42	ND	17	ND	ND	
GEW-039	11/15/2019	45	41	ND	13	ND	ND	
GEW-039	12/9/2019	28	32	2.8	37	ND	ND	
GEW-056R	8/12/2019	43	40	ND	10	5.2	95	
GEW-056R	9/4/2019	44	39	ND	11	4.7	86	
GEW-056R	10/16/2019	45	40	ND	9.3	4.8	76	
GEW-056R	11/13/2019	46	42	ND	5.2	6.4	85	
GEW-056R	12/5/2019	41	40	ND	15	3.2	55	
GEW-057B	10/14/2019	3.7	44	3.8	14	34	660	
GEW-058A	10/4/2019	6.9	33	1.7	37	21	680	
GEW-059R	10/4/2019	21	42	ND	6.4	29	630	
GEW-067A	10/4/2019	4.5	37	6.3	22	29	390	See Note 4
GEW-068A	10/15/2019	11	50	2.1	7.7	28	1,000	
GEW-078R	10/7/2019	12	31	1.6	42	13	390	
GEW-082R	10/7/2019	9.4	38	ND	28	22	660	
GEW-086	10/7/2019	6.2	23	7.6	55	8.0	160	See Note 3
GEW-087	10/7/2019	11	44	3.0	26	15	420	
GEW-088	10/7/2019	1.9	34	3.2	35	25	700	
GEW-090	10/4/2019	1.4	33	7.6	27	29	530	See Note 3
GEW-091	8/12/2019	3.4	6.9	15	57	18	150	See Note 4
GEW-091	9/6/2019	64	13	3.3	19	ND	ND	
GEW-091	10/16/2019	6.6	50	ND	ND	39	260	
GEW-091	11/13/2019	2.8	49	2.2	8.3	36	310	
GEW-091	12/9/2019	3.0	51	ND	4.0	39	320	
GEW-100	10/15/2019	2.5	52	3.4	12	29	720	
GEW-101	10/15/2019	38	50	2.3	9.0	0.23	ND	
GEW-102	10/14/2019	25	48	ND	ND	22	150	
GEW-104	10/14/2019	21	45	ND	18	15	330	
GEW-105	10/14/2019	27	41	2.9	15	14	430	
GEW-106	10/14/2019	19	54	ND	4.2	21	450	
GEW-107	10/4/2019	18	49	1.9	6.8	23	860	
GEW-108	8/14/2019	22	47	ND	ND	26	640	
GEW-108	9/6/2019	32	44	1.7	6.4	15	340	
GEW-108	10/16/2019	36	44	1.9	12	6.2	140	
GEW-108	11/15/2019	31	42	2.4	12	13	290	
GEW-108	12/9/2019	24	50	ND	ND	22	490	
GEW-109	8/14/2019	46	44	ND	7.1	0.45	ND	
GEW-109	9/6/2019	43	39	ND	15	2.0	42	
GEW-109	10/16/2019	48	47	ND	3.7	0.31	ND	
GEW-109	11/15/2019	48	48	ND	ND	0.084	ND	
GEW-109	12/9/2019	39	39	2.1	19	0.77	ND	
GEW-110	8/12/2019	30	35	3.2	27	4.7	110	

Laboratory Analysis - Bridgeton Landfill

Well Name	Date Sampled	Methane	CO ₂	O ₂ /Argon	Nitrogen	Hydrogen	Carbon Monoxide	Comments
							(%)	
GEW-110	9/4/2019	27	30	3.1	37	2.3	51	
GEW-110	10/25/2019	31	36	3.9	23	6.7	140	
GEW-110	11/13/2019	32	49	ND	ND	16	290	
GEW-110	12/5/2019	31	35	3.5	26	3.5	74	
GEW-113	10/7/2019	11	56	ND	5.5	25	1,000	
GEW-116	10/7/2019	22	53	1.8	18	4.8	330	
GEW-117	10/9/2019	26	45	4.8	17	6.5	270	
GEW-118	10/9/2019	5.8	45	2.7	17	28	910	
GEW-120	10/9/2019	43	49	ND	3.9	3.1	ND	
GEW-121	10/9/2019	25	57	ND	3.6	13	410	
GEW-122	10/10/2019	36	38	ND	15	10.0	360	
GEW-123	10/10/2019	27	56	ND	13	3.6	360	
GEW-125	10/10/2019	35	57	ND	ND	3.8	200	
GEW-126	10/11/2019	19	49	1.8	15	16	930	
GEW-127	10/11/2019	6.6	36	7.3	37	13	880	See Note 4
GEW-129	10/15/2019	25	56	ND	8.4	8.2	640	
GEW-130	10/11/2019	23	44	ND	16	16	920	
GEW-131	10/11/2019	44	42	ND	3.0	11	540	
GEW-132	10/10/2019	17	32	3.2	36	12	520	
GEW-133	10/7/2019	6.7	48	ND	26	16	870	
GEW-134	10/7/2019	14	37	2.8	42	4.5	220	
GEW-135	10/7/2019	2.9	36	2.6	39	18	610	
GEW-137	10/7/2019	30	40	ND	28	0.053	ND	
GEW-138	10/7/2019	9.4	38	ND	29	22	660	
GEW-139	10/11/2019	15	50	ND	6.5	27	1,100	
GEW-140	10/11/2019	23	44	ND	13	19	420	
GEW-147	10/7/2019	16	46	ND	8.3	28	910	
GEW-148	10/7/2019	11	52	ND	4.2	31	1,500	
GEW-149	10/4/2019	11	31	ND	54	2.3	78	
GEW-150	10/14/2019	26	44	1.6	12	15	430	
GEW-151	10/4/2019	9.4	48	ND	4.6	35	810	
GEW-152	10/4/2019	18	48	ND	6.4	25	870	
GEW-153	10/4/2019	31	34	1.8	29	4.1	77	
GEW-155	10/7/2019	5.0	27	6.4	52	8.3	220	See Note 4
GEW-156	10/14/2019	29	44	ND	12	13	310	
GEW-157	10/14/2019	34	42	1.6	6.0	16	390	
GEW-158	10/14/2019	31	47	ND	3.5	17	440	
GEW-159	8/14/2019	46	42	ND	7.7	2.4	130	
GEW-159	9/6/2019	46	41	ND	10	1.9	120	
GEW-159	10/16/2019	45	41	ND	10	1.8	100	
GEW-159	11/15/2019	34	30	6.6	27	1.6	51	See Note 4
GEW-159	12/9/2019	29	32	5.6	31	1.5	36	See Note 4
GEW-160	8/12/2019	15	40	1.7	18	24	760	
GEW-160	9/4/2019	2.9	16	14	55	12	600	See Note 4
GEW-160	10/16/2019	12	27	8.7	36	17	400	See Note 4
GEW-160	11/13/2019	14	27	8.1	34	16	400	See Note 4
GEW-160	12/9/2019	15	31	5.8	34	14	310	See Note 4
GEW-161	8/12/2019	6.1	48	1.7	15	28	1,100	
GEW-161	9/4/2019	1.0	53	ND	4.3	39	1,800	
GEW-161	10/16/2019	1.3	54	ND	ND	41	1,600	
GEW-161	11/13/2019	1.9	53	ND	ND	41	1,400	
GEW-161	12/5/2019	1.8	51	1.6	5.9	39	1,300	
GEW-162	8/12/2019	11	58	ND	17	13	520	
GEW-162	9/4/2019	12	57	ND	17	12	530	
GEW-162	10/16/2019	14	63	ND	8.6	14	510	
GEW-162	11/13/2019	15	62	ND	10	12	480	

Laboratory Analysis - Bridgeton Landfill

Well Name	Date Sampled	Methane	CO ₂	O ₂ /Argon	Nitrogen	Hydrogen	Carbon Monoxide	Comments
							(%)	
GEW-162	12/5/2019	13	62	ND	12	12	500	
GEW-163	10/10/2019	24	50	1.6	17	7.1	190	
GEW-164	10/10/2019	33	51	ND	14	0.63	66	
GEW-165	10/10/2019	16	54	2.7	13	14	560	
GEW-166	10/10/2019	2.2	54	ND	3.6	38	2,400	
GEW-167	10/10/2019	4.6	46	1.8	9.9	37	1,700	
GEW-168	10/11/2019	31	51	ND	9.7	6.2	240	
GEW-169	10/11/2019	12	44	3.0	25	15	760	
GEW-170	10/15/2019	11	40	5.3	29	15	960	See Note 4
GEW-171	10/15/2019	11	38	7.4	29	14	640	See Note 4
GEW-172	10/15/2019	24	44	3.0	11	16	790	
GEW-174	10/11/2019	18	36	ND	33	12	300	
GEW-175	10/14/2019	20	42	4.7	23	9.2	220	
GEW-176	10/14/2019	23	26	8.7	42	0.73	ND	See Note 4
GEW-177	10/15/2019	9.7	53	ND	15	20	1,700	
GEW-178	10/14/2019	38	49	2.1	10	0.099	ND	
GEW-179	10/14/2019	32	63	ND	4.4	ND	ND	
GEW-180	10/15/2019	25	49	5.3	19	0.38	58	See Note 3
GEW-181	10/15/2019	27	67	ND	4.8	ND	ND	
GEW-185	10/10/2019	34	53	2.7	9.9	0.13	ND	
GEW-186	10/15/2019	20	29	8.2	39	3.2	210	See Note 4
GEW-187	8/14/2019	35	53	ND	ND	7.5	240	
GEW-187	9/6/2019	37	52	ND	3.4	5.6	220	
GEW-187	10/16/2019	35	50	2.2	7.9	4.5	170	
GEW-187	11/15/2019	38	53	ND	ND	4.8	170	
GEW-187	12/9/2019	38	54	ND	ND	4.1	140	
GEW-217	10/14/2019	11	52	ND	ND	32	770	
GEW-218	10/14/2019	20	39	2.2	26	13	380	
GEW-219	10/14/2019	4.6	22	11	51	11	350	See Note 4
GEW-220	10/15/2019	13	43	3.0	22	19	750	
GEW-221	10/15/2019	20	53	1.6	6.5	18	460	
GEW-222	10/15/2019	2.3	62	ND	3.3	30	1,600	
GEW-223	10/15/2019	17	61	ND	ND	17	1,100	
GEW-224	10/15/2019	15	60	ND	ND	20	1,500	
GEW-225	10/15/2019	26	47	ND	3.8	22	890	
GEW-226	10/11/2019	8.6	39	2.8	27	22	1,100	
GEW-227	10/7/2019	5.0	27	6.3	52	8.5	220	See Note 4
GEW-228	10/7/2019	1.5	46	1.6	5.8	43	670	
GEW-229	10/7/2019	1.6	11	12	75	0.28	54	See Note 4
GEW-230	10/7/2019	2.3	18	11	62	7.2	180	See Note 4
GEW-231	10/15/2019	9.8	23	12	51	3.1	260	See Note 4
GEW-232	10/4/2019	28	54	1.6	9.0	6.8	240	
GEW-233	10/2/2019	8.1	44	1.7	29	16	440	
GEW-234	10/15/2019	6.0	33	4.6	37	19	1,000	
GEW-235	10/2/2019	11	49	3.6	13	21	430	
GEW-236	10/2/2019	9.7	41	1.8	23	22	240	
GEW-237	10/2/2019	29	40	2.9	24	3.9	150	
GEW-238	10/2/2019	7.5	59	ND	5.1	26	920	
GEW-239	10/2/2019	1.1	51	ND	4.5	40	1,300	
GEW-240	10/2/2019	11	49	ND	12	25	1,000	
GIW-01	8/12/2019	17	54	ND	9.8	17	650	
GIW-01	9/4/2019	15	48	3.1	19	15	600	
GIW-01	10/16/2019	9.9	50	3.7	15	20	720	
GIW-01	11/13/2019	13	57	1.8	7.2	21	750	
GIW-01	12/9/2019	12	58	2.0	7.7	20	660	
GIW-02	8/12/2019	2.9	25	5.7	59	7.6	430	See Note 4
GIW-02	9/5/2019	1.1	16	11	67	4.6	310	See Note 4

Laboratory Analysis - Bridgeton Landfill

Well Name	Date Sampled	Methane	CO ₂	O ₂ /Argon	Nitrogen	Hydrogen	Carbon Monoxide	Comments
							(%)	
GIW-02	10/16/2019	3.6	23	7.5	62	4.2	270	See Note 4
GIW-02	11/13/2019	3.6	29	5.5	53	8.7	440	See Note 4
GIW-02	12/9/2019	1.7	32	7.2	48	11	560	See Note 4
GIW-03	8/12/2019	13	36	3.6	35	11	440	
GIW-03	9/5/2019	15	38	2.3	33	11	450	
GIW-03	10/16/2019	16	43	ND	26	14	480	
GIW-03	11/14/2019	18	43	1.6	24	12	410	
GIW-03	12/9/2019	17	45	ND	23	12	400	
GIW-04	8/13/2019	14	44	2.3	15	24	730	
GIW-04	9/5/2019	9.8	38	4.0	21	27	700	
GIW-04	10/16/2019	12	45	2.5	14	26	690	
GIW-04	11/14/2019	14	50	ND	3.8	31	1,000	
GIW-04	12/9/2019	14	48	1.7	11	25	780	
GIW-05	8/13/2019	0.47	2.4	21	75	1.5	ND	See Note 4
GIW-05	9/5/2019	0.47	8.0	18	67	7.0	95	See Note 4
GIW-05	10/16/2019	14	29	7.2	38	12	140	See Note 4
GIW-05	11/14/2019	0.16	0.86	21	78	ND	ND	See Note 4
GIW-05	12/9/2019	0.26	0.52	22	77	0.22	ND	See Note 4
GIW-06	8/13/2019	37	41	ND	17	4.1	51	
GIW-06	9/5/2019	34	39	2.2	20	4.8	44	
GIW-06	10/16/2019	39	42	ND	13	4.1	42	
GIW-06	11/15/2019	40	42	ND	13	3.3	34	
GIW-06	12/9/2019	29	36	1.6	30	3.4	37	
GIW-07	8/13/2019	50	46	ND	3.4	0.19	35	
GIW-07	9/5/2019	51	44	ND	4.4	0.097	ND	
GIW-07	10/16/2019	50	44	ND	4.9	0.11	ND	
GIW-07	11/15/2019	48	42	1.8	7.7	ND	ND	
GIW-07	12/9/2019	49	41	1.9	7.2	ND	ND	
GIW-08	8/13/2019	50	45	ND	4.5	0.038	ND	
GIW-08	9/6/2019	45	39	2.9	13	ND	ND	
GIW-08	10/16/2019	51	44	ND	4.4	ND	ND	
GIW-08	11/15/2019	50	43	ND	6.1	ND	ND	
GIW-08	12/9/2019	47	43	ND	8.9	ND	ND	
GIW-09	8/13/2019	22	38	ND	28	9.7	110	
GIW-09	9/6/2019	20	39	ND	29	10	100	
GIW-09	10/16/2019	25	41	ND	22	11	120	
GIW-09	11/15/2019	24	37	1.9	29	7.6	85	
GIW-09	12/9/2019	14	32	2.2	42	8.6	78	
GIW-10	8/14/2019	22	31	2.1	37	8.5	160	
GIW-10	9/6/2019	21	32	ND	34	11	190	
GIW-10	10/16/2019	23	32	ND	33	9.9	160	
GIW-10	11/15/2019	26	32	ND	32	8.1	150	
GIW-10	12/9/2019	17	31	ND	42	8.6	180	
GIW-11	8/14/2019	18	31	2.8	45	3.5	110	
GIW-11	9/6/2019	21	32	2.1	42	3.1	110	
GIW-11	10/16/2019	21	33	1.9	40	3.9	150	
GIW-11	11/15/2019	23	32	2.0	39	3.3	220	
GIW-11	12/9/2019	19	31	2.1	44	3.3	260	
GIW-12	8/14/2019	26	34	3.0	33	3.4	140	
GIW-12	9/6/2019	28	34	2.3	32	3.6	150	
GIW-12	10/16/2019	29	35	2.3	29	4.5	170	
GIW-12	11/15/2019	32	35	2.6	25	4.9	150	
GIW-12	12/9/2019	28	33	3.3	32	3.4	130	
GIW-13	8/14/2019	31	45	ND	12	10	220	
GIW-13	9/6/2019	32	43	ND	13	10	200	
GIW-13	10/16/2019	34	44	ND	10	10	200	
GIW-13	11/15/2019	34	47	ND	5.8	12	210	
GIW-13	12/9/2019	31	49	ND	7.1	12	190	

Laboratory Analysis - Bridgeton Landfill

Well Name	Date Sampled	Methane	CO ₂	O ₂ /Argon	Nitrogen	Hydrogen	Carbon Monoxide	Comments
							(ppm)	
				(%)				
Flare Station ²	8/9/2019	17.6	40.5	4.6	27.9	8.2	330	See Note 6
Flare Station ²	9/9/2019	17.4	37.4	5.5	30.7	7.9	290	See Note 6
Flare Station ²	9/13/2019	17.4	37.2	5.6	30.5	8.1	290	See Note 6

Notes: (1) Based on the comparison of field to laboratory readings, oxygen to balance gas ratios, and historical concentrations, the sample was determined to be suspect due to oxygen introduction which likely occurred during sample collection or laboratory analytical methods. (2) MDNR also collected duplicate LFG samples at these locations during this sampling period. (3) Based on the oxygen verification readings taken with an Envision meter, it was determined there is a sample train leak. (4) Based on the oxygen verification readings taken with an Envision meter, it was determined that the readings are accurate. (5) Flare station gas concentration data is an average of NQ EP14 A (or 1) and NQ EP14 B (or 2), located in the North Quarry. (6) Flare station gas concentration data is an average of Outlets 1 and 2 (A & B) or SQ OU 1 and OU 2, located in the South Quarry. (7) Sample not reported by lab due to canister leak. (8) Invalid sample due to canister leak; resampled.

ND = Analyte not detected in sample.

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

ATTACHMENT C-2

LABORATORY ANALYSES REPORTS



December 23, 2019

Republic Services
ATTN: Mike Lambrich
13570 St. Charles Rock Rd.
Bridgeton, MO 63044



LA Cert #04140
EPA Methods TO3, TO14A, TO15, 25C/3C,
RSK-175

TX Cert T104704450-14-6
EPA Methods TO14A, TO15

UT Cert CA0133332015-3
EPA Methods TO3, TO14A, TO15, RSK-175

LABORATORY TEST RESULTS

Project Reference: Bridgeton Landfill
Lab Number: K121301-01/50

Enclosed are results for sample(s) received 12/13/19 by Air Technology Laboratories. Samples were received intact. Analyses were performed according to specifications on the chain of custody provided with the sample(s).

Report Narrative:

- Unless otherwise noted in the report, sample analyses were performed within method performance criteria and meet all requirements of the TNI Standards.
- The enclosed results relate only to the sample(s).

Preliminary results were e-mailed to Mike Lambrich and Erin Fanning; Michele Clark, Dustin Thoenen and Don Murphy, Weaver Consultants Group; and Jan Feezor, Feezor Engineering on 12/20/19.

ATL appreciates the opportunity to provide testing services to your company. If you have any questions regarding these results, please call me at (626) 964-4032.

Sincerely,

A handwritten signature in blue ink, appearing to read "Mark Johnson".

Mark Johnson
Operations Manager
MJohnson@AirTechLabs.com

Enclosures

Note: The cover letter is an integral part of this analytical report.

AIT TECHNOLOGY
Laboratories, Inc.
18501 E. Gale Ave., Suite 130
City of Industry, CA 91748
Ph: 626-964-4032
Fx: 626-964-5832

Project No.: _____
Project Name: Bridgeton Landfill
Report To: Mike Lambrich
Company: Republic Services
Street: 13570 St. Charles Rock Rd.
City/State/Zip: Bridgeton, MO 63044
Phone & Fax: 314-683-3921
e-mail: Mlambrich@republicservices.com

LAB USE ONLY	Cannister ID	Sample Start	Sample End	SAMPLE IDENTIFICATION	SAMPLE DATE	SAMPLE TIME	CONTAINER QTY/TPE	MATRIX	PRESERVA-TION	CHAIN OF CUSTODY RECORD						
										TURNAROUND TIME	DELIVERABLES	PAGE:	1 OF 6			
K121301-01 -02 -03 -04 -05 -06 -07 -08 -09 -10	5927	-20.4	-5	GEW 10	12/5/2019	9:14	C	LFG	NA	X	EDD <input checked="" type="checkbox"/>	Sealed <input type="checkbox"/>	Yes <input type="checkbox"/>	No <input type="checkbox"/>		
	6160	-20.6	-5	GEW 56R	12/5/2019	9:25	C	LFG	NA	X	EDF <input type="checkbox"/>	Intact <input type="checkbox"/>	Yes <input type="checkbox"/>	No <input type="checkbox"/>		
	5839	-20.3	-5	GEW 110	12/5/2019	9:37	C	LFG	NA	X	Level 3 <input type="checkbox"/>	Chilled <input type="checkbox"/>	Yes <input type="checkbox"/>	No <input type="checkbox"/>		
	A7794	-20.2	-5	GEW 162	12/5/2019	9:48	C	LFG	NA	X	Level 4 <input type="checkbox"/>	Chilled <input type="checkbox"/>	Yes <input type="checkbox"/>	No <input type="checkbox"/>		
	A7782	-20.4	-5	GEW 161	12/5/2019	10:21	C	LFG	NA	X						
	5904	-20.6	-5	GEW 160	12/9/2019	10:53	C	LFG	NA	NA	X					
	A7671	-20.6	-5	GEW 91	12/9/2019	11:02	C	LFG	NA	NA	X					
	A8072	-20.8	-5	GIW 1	12/9/2019	11:13	C	LFG	NA	NA	X					
	A7780	-20.4	-5	GIW 2	12/9/2019	11:22	C	LFG	NA	NA	X					
	A7769	-20.4	-5	GIW 3	12/9/2019	11:31	C	LFG	NA	NA	X					

D1946 + CO, H2

LAB USE ONLY

LABORATORY TO PERFORM WORK:		COMPANY:	
Authorization to Perform Work: Dave Penoyer	Company: Republic Services	DATE/TIME	DATE/TIME
SAMPLED BY: Andy Guthrie	Company: Hunt Vac Services	12/5/19	12/19/19
RELINQUISHED BY: Andy Guthrie	RECEIVED BY:	DATE/TIME	DATE/TIME
RELINQUISHED BY: Andy Guthrie	RECEIVED BY:	DATE/TIME	DATE/TIME
RELINQUISHED BY: Andy Guthrie	RECEIVED BY: Louise Johnston	DATE/TIME	DATE/TIME
RELINQUISHED BY: Andy Guthrie	RECEIVED BY: UPS Courier	DATE/TIME	DATE/TIME
METHOD OF TRANSPORT (circle one): Walk-In <input type="checkbox"/> FedEx <input type="checkbox"/> UPS <input checked="" type="checkbox"/> Courier <input type="checkbox"/> ATL <input type="checkbox"/> Other <input type="checkbox"/>			

COMMENTS:

DISTRIBUTION: White & Yellow - Lab Copies / Pink - Customer Copy

Preservation: H=HCl N=None / Container: B=Bag C=Can V=VOA O=Other

Rev. 03 - 5/7/09

AIMTECHNOLOGY
Laboratories, Inc.
18501 E. Gale Ave., Suite 130
City of Industry, CA 91748
Ph: 626-964-4032
Fx: 626-964-5832

CHAIN OF CUSTODY RECORD
PAGE: 2 OF 6
Condition upon receipt:
Sealed Yes No
Intact Yes No
Chilled _____ deg C

TURNAROUND TIME
Standard 48 hours
Same Day 72 hours
24 hours 96 hours
Other: 8 Day

DELIVERABLES
EDD
EDF
Level 3
Level 4


ANALYSIS REQUEST
P.O. No.: PO7112802
Bill to: Republic Services
Attn: Mike Lambrich
13570 St. Charles Rock Rd.
Bridgeton, MO 63044

LAB USE ONLY	Cannister ID	Cannister Pressure ("hg)		SAMPLE IDENTIFICATION	SAMPLE DATE	SAMPLE TIME	CONTAINER QTY/TYPE	MATRIX	PRESERVATION	EDD	EDF	Level 3	Level 4	
		Sample Start	Sample End											
K121301-11	3833	-20.4	-5	GIW 4	12/9/2019	11:40	C	LFG	NA	X				4.5
-12	6151	-20.4	-5	GIW 5	12/9/2019	13:43	C	LFG	NA	X				4
-13	5815	-20.6	-5	GIW 6	12/9/2019	13:54	C	LFG	NA	X				4.5
-14	6135	-20	-5	GIW 7	12/9/2019	14:02	C	LFG	NA	X				4.5
-15	A7805	-20.7	-5	GIW 8	12/9/2019	14:10	C	LFG	NA	X				4
-16	A7663	-20.8	-5	GIW 9	12/9/2019	14:20	C	LFG	NA	X				4
-17	A8079	-20.7	-5	GIW 10	12/9/2019	14:29	C	LFG	NA	X				4
-18	6144	-20.7	-5	GIW 11	12/9/2019	14:38	C	LFG	NA	X				4
-19	A7747	-20.8	-5	GIW 12	12/9/2019	14:47	C	LFG	NA	X				4
-20	3441	-20.5	-5	GIW 13	12/9/2019	14:56	C	LFG	NA	X				4

BILLING
P.O. No.: PO7112802
Bill to: Republic Services
Attn: Mike Lambrich
13570 St. Charles Rock Rd.
Bridgeton, MO 63044

COMMENTS
AUTHORIZATION TO PERFORM WORK: Dave Penoyer
COMPANY: Republic Services
SAMPLED BY: Andy Guthrie
DATE/TIME: 12/9/19
RELINQUISHED BY: [Signature]
DATE/TIME: 12/11/19
RECEIVED BY: [Signature]
DATE/TIME: 12/12/19 9:30
METHOD OF TRANSPORT (circle one): Walk-In UPS Courier ATL Other _____

CHAIN OF CUSTODY RECORD																				
TURNAROUND TIME			DELIVERABLES			PAGE: 3 OF 6		Condition upon receipt:												
Standard	<input type="checkbox"/>	48 hours	<input checked="" type="checkbox"/>	EDD	<input checked="" type="checkbox"/>	Sealed	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Chilled _____ deg C											
Same Day	<input type="checkbox"/>	72 hours	<input type="checkbox"/>	EDF	<input type="checkbox"/>	Intact	Yes <input type="checkbox"/>	No <input type="checkbox"/>												
24 hours	<input type="checkbox"/>	96 hours	<input type="checkbox"/>	Level 3	<input type="checkbox"/>															
Other:	<u>5 Day</u>		<input type="checkbox"/>	Level 4	<input type="checkbox"/>															
Project No.: _____			Project Name: Bridgeton Landfill			BILLING		ANALYSIS REQUEST												
Report To: Mike Lambrich			Company: Republic Services			P.O. No.: PO7112802														
Street: 13570 St. Charles Rock Rd.			City/State/Zip: Bridgeton, MO 63044			Bill to: Republic Services														
Phone & Fax: 314-683-3921			e-mail: Mlambrich@republicservices.com			Attn: Mike Lambrich														
			Cannister Pressure (\"ng)			13570 St. Charles Rock Rd.														
						Bridgeton, MO 63044														
LAB USE ONLY		Cannister ID	Sample Start	Sample End	SAMPLE IDENTIFICATION	DATE	SAMPLE TIME	CONTAINER QTY/TYP	MATRIX	PRESERVA-TION										
																				Sample Pressure (\"ng)
		A7748	-20.7	-5	GEW 159	12/9/2019	15:05	C	LFG	NA	X									4
		A7662	-20.8	-5	GEW 108	12/9/2019	15:14	C	LFG	NA	X									4
		5929	-20.5	-5	GEW 187	12/9/2019	15:24	C	LFG	NA	X									4
		6131	-20.8	-5	GEW 109	12/9/2019	15:34	C	LFG	NA	X									4
		6152	-20.5	-5	GEW 39	12/9/2019	15:43	C	LFG	NA	X									4
AUTHORIZATION TO PERFORM WORK: Dave Penoyer										COMMENTS										
SAMPLED BY: Andy Guthrie										COMPANY: Republic Services										
RELINQUISHED BY: <i>Andy Guthrie</i>										COMPANY: Hunt Vac Services										
RELINQUISHED BY: _____										RECEIVED BY: _____										
RELINQUISHED BY: _____										RECEIVED BY: _____										
RELINQUISHED BY: _____										RECEIVED BY: _____										
METHOD OF TRANSPORT (circle one): Walk-In <input type="checkbox"/> FedEx <input type="checkbox"/> UPS <input type="checkbox"/> Courier <input type="checkbox"/> ATLI <input type="checkbox"/> Other _____										DATE/TIME: 12/9/19										
DISTRIBUTION: White & Yellow - Lab Copies / Pink - Customer Copy										DATE/TIME: 12/9/19										
DATE/TIME: 12/9/19										DATE/TIME: 12/9/19 9:30										



18501 E. Gale Ave., Suite 130
City of Industry, CA 91748
Ph: 626-964-4032
FX: 626-964-5832

CHAIN OF CUSTODY RECORD

PAGE: 4 OF 6

Condition upon receipt:
Sealed Yes No
Intact Yes No
Chilled _____ deg C

TURNAROUND TIME

Standard 48 hours
Same Day 72 hours
24 hours 96 hours
Other: 5 Day

DELIVERABLES

EDD
EDF
Level 3
Level 4

BILLING

P.O. No.: PO7112802
Bill to: Republic Services
Attn: Mike Lambrich
13570 St. Charles Rock Rd.
Bridgeton, MO 63044

ANALYSIS REQUEST

D1946 + CO, H2

LAB USE ONLY	Cannister Pressure (”hg)			SAMPLE IDENTIFICATION	SAMPLE DATE	SAMPLE TIME	CONTAINER QTY/TYP	MATRIX	PRESERVA-TION				
	Cannister ID	Sample Start	Sample End										
K121301 -26	5903	-20.3	-5	GEW 50	12/9/2019	10:11	C	LFG	NA	X			4
-27	5813	-20	-5	GEW 52	12/9/2019	10:21	C	LFG	NA	X			4
-28	5274	-21	-5	GEW 7	12/9/2019	10:34	C	LFG	NA	X			4
-29	4648	-19.8	-5	GEW 8	12/9/2019	10:44	C	LFG	NA	X			4
-30	5840	-20.7	-5	GEW 9	12/9/2019	10:53	C	LFG	NA	X			4
-31	4657	-20.8	-5	GEW 51	12/9/2019	11:06	C	LFG	NA	X			4
-32	A8080	-20.8	-5	GEW 53	12/9/2019	11:21	C	LFG	NA	X			4
-33	5837	-20.3	-5	GEW 54	12/9/2019	14:01	C	LFG	NA	X			4.9
-34	5928	-20.5	-5	GEW 55	12/9/2019	14:15	C	LFG	NA	X			4
-35	5835	-20.6	-5	GEW 40	12/9/2019	14:27	C	LFG	NA	X			4

LAB USE ONLY

COMMENTS

12/13/19 @ 9:52
12/12/19

AUTHORIZATION TO PERFORM WORK:
SAMPLED BY: Anthony Kimutis
RELINQUISHED BY: *Anthony Kimutis*

COMPANY: Republic Services

DATE/TIME: 12/9/19

METHOD OF TRANSPORT (circle one): Walk-In UPS Courier ATLI Other _____

RECEIVED BY: *Sheela* DATE/TIME: 12/11/19

RECEIVED BY: _____ DATE/TIME: _____

RECEIVED BY: _____ DATE/TIME: _____

DISTRIBUTION: White & Yellow - Lab Copies / Pink - Customer Copy

Preservation: H=HCl N=None / Container: B=Bag C=Can V=VOA O=Other Rev. 03 - 5/7/09



18501 E. Gale Ave., Suite 130
City of Industry, CA 91748
Ph: 626-964-4032
FX: 626-964-5832

CHAIN OF CUSTODY RECORD

TURNAROUND TIME
 Standard
 Same Day
 24 hours
 48 hours
 72 hours
 96 hours
 Other: 5 Day

DELIVERABLES
 EDD
 EDF
 Level 3
 Level 4

Condition upon receipt:
 Sealed Yes No
 Intact Yes No
 Chilled _____ deg C

PAGE: 5 OF 6

Project No.: _____
Project Name: Bridgeton Landfill
Report To: Mike Lambrich
Company: Republic Services
Street: 13570 St. Charles Rock Rd.
City/State/Zip: Bridgeton, MO 63044
Phone & Fax: 314-683-3921
e-mail: Mlambrich@republicservices.com

BILLING
P.O. No.: PO7112802
Bill to: Republic Services
 Attn: Mike Lambrich
 13570 St. Charles Rock Rd.
 Bridgeton, MO 63044

LAB USE ONLY	Cannister ID	Cannister Pressure ("hg)		SAMPLE IDENTIFICATION	SAMPLE DATE	SAMPLE TIME	CONTAINER QTY/TYP	MATRIX	PRESERVATION	ANALYSIS REQUEST	
		Sample Start	Sample End								
K121301 -36	A8056	-22.1	-5	GEW 41R	12/10/2019	9:59	C	LFG	NA	X	2
-37	6154	-21.8	-5	GEW 42R	12/10/2019	10:11	C	LFG	NA	X	2
-38	5817	-22	-5	GEW 43R	12/10/2019	10:31	C	LFG	NA	X	3
-39	A7751	-22.2	-5	GEW 44	12/10/2019	10:43	C	LFG	NA	X	2
-40	A8073	-21.8	-5	GEW 49	12/10/2019	11:06	C	LFG	NA	X	3
-41	6149	-21.9	-5	GEW 45R	12/10/2019	11:32	C	LFG	NA	X	3
-42	3837	-21.9	-5	GEW 46R	12/10/2019	11:44	C	LFG	NA	X	3
-43	5834	-22.1	-5	GEW 2S	12/10/2019	13:39	C	LFG	NA	X	3
-44	A8078	-22.2	-5	GEW 2	12/11/2019	8:35	C	LFG	NA	X	2
-45	A7776	-22.1	-5	GEW 3	12/11/2019	8:47	C	LFG	NA	X	2

AUTHORIZATION TO PERFORM WORK: Dave Penoyer
 COMPANY: Republic Services

SAMPLED BY: Anthony Kimutis
 DATE/TIME: 12/10/19 12:14/19

RELINQUISHED BY: [Signature] DATE/TIME: 12/11/19
 RECEIVED BY: [Signature] DATE/TIME: 12/13/19 @ 9:52

RELINQUISHED BY: [Signature] DATE/TIME: 12/13/19 @ 9:30
 RECEIVED BY: [Signature] DATE/TIME: 12/13/19

METHOD OF TRANSPORT (circle one): Walk-in UPS Courier ATLI Other

CHAIN OF CUSTODY RECORD		PAGE: 6 OF 6
18501 E. Gale Ave., Suite 130 City of Industry, CA 91748 Ph: 626-964-4032 FX: 626-964-5832		Condition upon receipt: Sealed Yes <input type="checkbox"/> No <input type="checkbox"/> Intact Yes <input type="checkbox"/> No <input type="checkbox"/> Chilled _____ deg C
Project No.: Project Name: Bridgeton Landfill Report To: Mike Lambrich Company: Republic Services Street: 13570 St. Charles Rock Rd. City/State/Zip: Bridgeton, MO 63044 Phone & Fax: 314-683-3921 e-mail: mlambrich@republicservices.com		Turnaround Time: Standard <input type="checkbox"/> 48 hours <input type="checkbox"/> Same Day <input type="checkbox"/> 72 hours <input type="checkbox"/> 24 hours <input type="checkbox"/> 96 hours <input type="checkbox"/> Other: <u>5 Day</u>
P.O. No.: PO7112802 Bill to: Republic Services Attn: Mike Lambrich 13570 St. Charles Rock Rd. Bridgeton, MO 63044		Deliverables: EDD <input checked="" type="checkbox"/> EDF <input type="checkbox"/> Level 3 <input type="checkbox"/> Level 4 <input type="checkbox"/>
BILLING		ANALYSIS REQUEST
SAMPLE IDENTIFICATION Cannister Pressure ("hg) Cannister ID Sample Start Sample End GEW GEW 4 GEW 47R GEW 5 GEW 48 GEW 6		Matrix Container Qty Sample Time Date LFG NA X D1946 + CO, H2
LAB USE ONLY K121301 -46 ↓ -47 -48 -49 -50		2.9 3 3 3 3
AUTHORIZATION TO PERFORM WORK: Dave Penoyer COMPANY: Republic Services		COMMENTS
SAMPLED BY: Anthony Kimutis DATE/TIME: 12/11/19 RELINQUISHED BY: <u>Asst JLS</u> DATE/TIME: 12/11/19 RELINQUISHED BY: <u>FEBO</u> DATE/TIME: 12/11/19 RELINQUISHED BY: <u>FEBO</u> DATE/TIME: 12/11/19 9:30		RECEIVED BY: Republic Services DATE/TIME: 12/11/19 RECEIVED BY: UPS Courier ATLI DATE/TIME: 12/11/19 9:30
METHOD OF TRANSPORT (circle one): Walk-In <input type="checkbox"/> FedEx <input checked="" type="checkbox"/> UPS <input type="checkbox"/> Courier <input type="checkbox"/> ATLI <input type="checkbox"/> Other <input type="checkbox"/>		DISTRIBUTION: White & Yellow - Lab Copies / Pink - Customer Copy

Client: Republic Services
 Attn: Mike Lambrich
 Project Name: Bridgeton Landfill
 Project No.: NA
 Date Received: 12/13/19
 Matrix: Air
 Reporting Units: % v/v

ASTM D1946


Lab No.:	K121301-01	K121301-02	K121301-03	K121301-04				
Client Sample I.D.:	GEW 10	GEW 56R	GEW 110	GEW 162				
Date/Time Sampled:	12/5/19 9:14	12/5/19 9:25	12/5/19 9:37	12/5/19 9:48				
Date/Time Analyzed:	12/17/19 16:57	12/17/19 17:12	12/17/19 17:26	12/17/19 17:41				
QC Batch No.:	191217GC8A2	191217GC8A2	191217GC8A2	191217GC8A2				
Analyst Initials:	CM	CM	CM	CM				
Dilution Factor:	3.0	3.0	3.0	3.0				
ANALYTE	Result % v/v	RL % v/v	Result % v/v	RL % v/v	Result % v/v	RL % v/v	Result % v/v	RL % v/v
Hydrogen	0.18 d	0.030	3.2 d	0.030	3.5 d	0.030	12	3.0
Carbon Dioxide	41	0.030	40	0.030	35	0.030	62	0.030
Oxygen/Argon	ND	1.5	ND	1.5	3.5	1.5	ND	1.5
Nitrogen	3.6	3.0	15	3.0	26	3.0	12	3.0
Methane	54	0.0030	41	0.0030	31	0.0030	13	0.0030
Carbon Monoxide	ND	0.0030	0.0055	0.0030	0.0074	0.0030	0.050	0.0030

Results normalized including non-methane hydrocarbons

ND = Not Detected (below RL)

RL = Reporting Limit

d = Analyzed by secondary analysis, batch number 191219GC8A1

Reviewed/Approved By: 
 Mark Johnson
 Operations Manager

Date 12/20/19

The cover letter is an integral part of this analytical report



Client: Republic Services
Attn: Mike Lambrich
Project Name: Bridgeton Landfill
Project No.: NA
Date Received: 12/13/19
Matrix: Air
Reporting Units: % v/v

ASTM D1946

Lab No.:	K121301-05	K121301-06	K121301-07	K121301-08				
Client Sample I.D.:	GEW 161	GEW 160	GEW 91	GIW 1				
Date/Time Sampled:	12/5/19 10:21	12/9/19 10:53	12/9/19 11:02	12/9/19 11:13				
Date/Time Analyzed:	12/17/19 17:55	12/17/19 18:10	12/17/19 18:24	12/17/19 18:39				
QC Batch No.:	191217GC8A2	191217GC8A2	191217GC8A2	191217GC8A2				
Analyst Initials:	CM	CM	CM	CM				
Dilution Factor:	3.0	3.0	3.0	3.0				
ANALYTE	Result % v/v	RL % v/v	Result % v/v	RL % v/v	Result % v/v	RL % v/v	Result % v/v	RL % v/v
Hydrogen	39	3.0	14	3.0	39	3.0	20	3.0
Carbon Dioxide	51	0.030	31	0.030	51	0.030	58	0.030
Oxygen/Argon	1.6	1.5	5.8	1.5	ND	1.5	2.0	1.5
Nitrogen	5.9	3.0	34	3.0	4.0	3.0	7.7	3.0
Methane	1.8	0.0030	15	0.0030	3.0	0.0030	12	0.0030
Carbon Monoxide	0.13	0.0030	0.031	0.0030	0.032	0.0030	0.066	0.0030

Results normalized including non-methane hydrocarbons

ND = Not Detected (below RL)

RL = Reporting Limit

Reviewed/Approved By: Mark Johnson
 Mark Johnson
 Operations Manager

Date 12/20/19

The cover letter is an integral part of this analytical report



Client: Republic Services
Attn: Mike Lambrich
Project Name: Bridgeton Landfill
Project No.: NA
Date Received: 12/13/19
Matrix: Air
Reporting Units: % v/v

ASTM D1946

Lab No.:	K121301-09	K121301-10	K121301-11	K121301-12				
Client Sample I.D.:	GIW 2	GIW 3	GIW 4	GIW 5				
Date/Time Sampled:	12/9/19 11:22	12/9/19 11:31	12/9/19 11:40	12/9/19 13:43				
Date/Time Analyzed:	12/17/19 18:53	12/17/19 19:08	12/17/19 19:23	12/17/19 19:37				
QC Batch No.:	191217GC8A2	191217GC8A2	191217GC8A2	191217GC8A2				
Analyst Initials:	CM	CM	CM	CM				
Dilution Factor:	3.0	3.0	3.1	3.0				
ANALYTE	Result	RL	Result	RL	Result	RL	Result	RL
	% v/v	% v/v	% v/v	% v/v	% v/v	% v/v	% v/v	% v/v
Hydrogen	11	3.0	12	3.0	25	3.1	0.22 d	0.030
Carbon Dioxide	32	0.030	45	0.030	48	0.031	0.52	0.030
Oxygen/Argon	7.2	1.5	ND	1.5	1.7	1.5	22	1.5
Nitrogen	48	3.0	23	3.0	11	3.1	77	3.0
Methane	1.7	0.0030	17	0.0030	14	0.0031	0.26	0.0030
Carbon Monoxide	0.056	0.0030	0.040	0.0030	0.078	0.0031	ND	0.0030

Results normalized including non-methane hydrocarbons

ND = Not Detected (below RL)

RL = Reporting Limit

d = Analyzed by secondary analysis, batch number 191219GC8A1

Reviewed/Approved By: Mark Johnson
 Operations Manager

Date 12/20/19

The cover letter is an integral part of this analytical report



Client: Republic Services
Attn: Mike Lambrich
Project Name: Bridgeton Landfill
Project No.: NA
Date Received: 12/13/19
Matrix: Air
Reporting Units: % v/v

ASTM D1946

Lab No.:	K121301-13		K121301-14		K121301-15		K121301-16	
Client Sample I.D.:	GIW 6		GIW 7		GIW 8		GIW 9	
Date/Time Sampled:	12/9/19 13:54		12/9/19 14:02		12/9/19 14:10		12/9/19 14:20	
Date/Time Analyzed:	12/17/19 19:52		12/17/19 20:06		12/17/19 20:21		12/17/19 20:35	
QC Batch No.:	191217GC8A2		191217GC8A2		191217GC8A2		191217GC8A2	
Analyst Initials:	CM		CM		CM		CM	
Dilution Factor:	3.1		3.1		3.1		3.0	
ANALYTE	Result % v/v	RL % v/v	Result % v/v	RL % v/v	Result % v/v	RL % v/v	Result % v/v	RL % v/v
Hydrogen	3.4 d	0.031	ND d	0.031	ND d	0.031	8.6	3.0
Carbon Dioxide	36	0.031	41	0.031	43	0.031	32	0.030
Oxygen/Argon	1.6	1.5	1.9	1.5	ND	1.5	2.2	1.5
Nitrogen	30	3.1	7.2	3.1	8.9	3.1	42	3.0
Methane	29	0.0031	49	0.0031	47	0.0031	14	0.0030
Carbon Monoxide	0.0037	0.0031	ND	0.0031	ND	0.0031	0.0078	0.0030

Results normalized including non-methane hydrocarbons

ND = Not Detected (below RL)

RL = Reporting Limit

d = Analyzed by secondary analysis, batch number 191219GC8A1

Reviewed/Approved By: Mark Johnson
 Mark Johnson
 Operations Manager

Date 12/20/19

The cover letter is an integral part of this analytical report



Client: Republic Services
Attn: Mike Lambrich
Project Name: Bridgeton Landfill
Project No.: NA
Date Received: 12/13/19
Matrix: Air
Reporting Units: % v/v

ASTM D1946

Lab No.:	K121301-17	K121301-18	K121301-19	K121301-20				
Client Sample I.D.:	GIW 10	GIW 11	GIW 12	GIW 13				
Date/Time Sampled:	12/9/19 14:29	12/9/19 14:38	12/9/19 14:47	12/9/19 14:56				
Date/Time Analyzed:	12/17/19 20:50	12/17/19 21:04	12/17/19 21:19	12/17/19 21:33				
QC Batch No.:	191217GC8A2	191217GC8A2	191217GC8A2	191217GC8A2				
Analyst Initials:	CM	CM	CM	CM				
Dilution Factor:	3.0	3.0	3.0	3.0				
ANALYTE	Result	RL	Result	RL	Result	RL	Result	RL
	% v/v	% v/v	% v/v	% v/v	% v/v	% v/v	% v/v	% v/v
Hydrogen	8.6	3.0	3.3 d	0.030	3.4 d	0.030	12	3.0
Carbon Dioxide	31	0.030	31	0.030	33	0.030	49	0.030
Oxygen/Argon	ND	1.5	2.1	1.5	3.3	1.5	ND	1.5
Nitrogen	42	3.0	44	3.0	32	3.0	7.1	3.0
Methane	17	0.0030	19	0.0030	28	0.0030	31	0.0030
Carbon Monoxide	0.018	0.0030	0.026	0.0030	0.013	0.0030	0.019	0.0030

Results normalized including non-methane hydrocarbons

ND = Not Detected (below RL)

RL = Reporting Limit

d = Analyzed by secondary analysis, batch number 191219GC8A1

Reviewed/Approved By: Mark Johnson
 Operations Manager

Date 12/20/19

The cover letter is an integral part of this analytical report



Client: Republic Services
Attn: Mike Lambrich
Project Name: Bridgeton Landfill
Project No.: NA
Date Received: 12/13/19
Matrix: Air
Reporting Units: % v/v

ASTM D1946

Lab No.:	K121301-21	K121301-22	K121301-23	K121301-24				
Client Sample I.D.:	GEW 159	GEW 108	GEW 187	GEW 109				
Date/Time Sampled:	12/9/19 15:05	12/9/19 15:14	12/9/19 15:24	12/9/19 15:34				
Date/Time Analyzed:	12/18/19 0:28	12/18/19 0:43	12/18/19 0:57	12/18/19 1:12				
QC Batch No.:	191217GC8A3	191217GC8A3	191217GC8A3	191217GC8A3				
Analyst Initials:	CM	CM	CM	CM				
Dilution Factor:	3.0	3.0	3.0	3.0				
ANALYTE	Result % v/v	RL % v/v	Result % v/v	RL % v/v	Result % v/v	RL % v/v	Result % v/v	RL % v/v
Hydrogen	1.5 d	0.030	22	3.0	4.1 d	0.030	0.77 d	0.030
Carbon Dioxide	32	0.030	50	0.030	54	0.030	39	0.030
Oxygen/Argon	5.6	1.5	ND	1.5	ND	1.5	2.1	1.5
Nitrogen	31	3.0	ND	3.0	ND	3.0	19	3.0
Methane	29	0.0030	24	0.0030	38	0.0030	39	0.0030
Carbon Monoxide	0.0036	0.0030	0.049	0.0030	0.014	0.0030	ND	0.0030

Results normalized including non-methane hydrocarbons

ND = Not Detected (below RL)

RL = Reporting Limit

d = Analyzed by secondary analysis, batch number 191220GC8A2

Reviewed/Approved By: Mark Johnson
 Mark Johnson
 Operations Manager

Date 12/20/19

The cover letter is an integral part of this analytical report



Client: Republic Services
Attn: Mike Lambrich
Project Name: Bridgeton Landfill
Project No.: NA
Date Received: 12/13/19
Matrix: Air
Reporting Units: % v/v

ASTM D1946

Lab No.:	K121301-25	K121301-26	K121301-27	K121301-28				
Client Sample I.D.:	GEW 39	GEW 50	GEW 52	GEW 7				
Date/Time Sampled:	12/9/19 15:43	12/9/19 10:11	12/9/19 10:21	12/9/19 10:34				
Date/Time Analyzed:	12/18/19 8:58	12/18/19 9:13	12/18/19 9:28	12/18/19 9:42				
QC Batch No.:	191217GC8A3	191217GC8A3	191217GC8A3	191217GC8A3				
Analyst Initials:	CM	CM	CM	CM				
Dilution Factor:	3.0	3.0	3.0	3.0				
ANALYTE	Result % v/v	RL % v/v	Result % v/v	RL % v/v	Result % v/v	RL % v/v	Result % v/v	RL % v/v
Hydrogen	ND d	0.030	ND d	0.030	ND d	0.030	ND d	0.030
Carbon Dioxide	32	0.030	38	0.030	38	0.030	40	0.030
Oxygen/Argon	2.8	1.5	ND	1.5	ND	1.5	ND	1.5
Nitrogen	37	3.0	6.4	3.0	11	3.0	3.6	3.0
Methane	28	0.0030	55	0.0030	50	0.0030	55	0.0030
Carbon Monoxide	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030

Results normalized including non-methane hydrocarbons

ND = Not Detected (below RL)

RL = Reporting Limit

d = Analyzed by secondary analysis, batch number 191219GC8A1

Reviewed/Approved By: Mark Johnson
 Mark Johnson
 Operations Manager

Date 12/20/19

The cover letter is an integral part of this analytical report



Client: Republic Services
 Attn: Mike Lambrich
 Project Name: Bridgeton Landfill
 Project No.: NA
 Date Received: 12/13/19
 Matrix: Air
 Reporting Units: % v/v

ASTM D1946

Lab No.:	K121301-29	K121301-30	K121301-31	K121301-32				
Client Sample I.D.:	GEW 8	GEW 9	GEW 51	GEW 53				
Date/Time Sampled:	12/9/19 10:44	12/9/19 10:53	12/9/19 11:06	12/9/19 11:21				
Date/Time Analyzed:	12/18/19 10:11	12/18/19 10:26	12/18/19 10:40	12/18/19 10:55				
QC Batch No.:	191217GC8A3	191217GC8A3	191217GC8A3	191217GC8A3				
Analyst Initials:	CM	CM	CM	CM				
Dilution Factor:	3.0	3.0	3.0	3.0				
ANALYTE	Result	RL	Result	RL	Result	RL	Result	RL
	% v/v	% v/v	% v/v	% v/v	% v/v	% v/v	% v/v	% v/v
Hydrogen	1.4 d	0.030	0.68 d	0.030	1.1 d	0.030	3.9 d	0.030
Carbon Dioxide	40	0.030	41	0.030	41	0.030	43	0.030
Oxygen/Argon	2.1	1.5	ND	1.5	ND	1.5	ND	1.5
Nitrogen	8.0	3.0	7.3	3.0	ND	3.0	ND	3.0
Methane	49	0.0030	50	0.0030	54	0.0030	50	0.0030
Carbon Monoxide	ND	0.0030	ND	0.0030	ND	0.0030	0.0063	0.0030

Results normalized including non-methane hydrocarbons

ND = Not Detected (below RL)

RL = Reporting Limit

d = Analyzed by secondary analysis, batch number 191219GC8A1

Reviewed/Approved By: Mark Johnson
 Mark Johnson
 Operations Manager

Date 12/20/19

The cover letter is an integral part of this analytical report



Client: Republic Services
Attn: Mike Lambrich
Project Name: Bridgeton Landfill
Project No.: NA
Date Received: 12/13/19
Matrix: Air
Reporting Units: % v/v

ASTM D1946

Lab No.:	K121301-33	K121301-34	K121301-35	K121301-36				
Client Sample I.D.:	GEW 54	GEW 55	GEW 40	GEW 41R				
Date/Time Sampled:	12/9/19 14:01	12/9/19 14:15	12/9/19 14:27	12/10/19 9:59				
Date/Time Analyzed:	12/18/19 11:09	12/18/19 11:24	12/18/19 11:38	12/18/19 12:52				
QC Batch No.:	191217GC8A3	191217GC8A3	191217GC8A3	191217GC8A3				
Analyst Initials:	CM	CM	CM	CM				
Dilution Factor:	3.1	3.0	3.0	2.7				
ANALYTE	Result % v/v	RL % v/v	Result % v/v	RL % v/v	Result % v/v	RL % v/v	Result % v/v	RL % v/v
Hydrogen	1.7 d	0.031	1.4 d	0.030	ND d	0.030	ND d	0.027
Carbon Dioxide	41	0.031	42	0.030	35	0.030	35	0.027
Oxygen/Argon	ND	1.5	ND	1.5	ND	1.5	ND	1.3
Nitrogen	4.9	3.1	3.7	3.0	6.9	3.0	12	2.7
Methane	51	0.0031	52	0.0030	58	0.0030	53	0.0027
Carbon Monoxide	ND	0.0031	ND	0.0030	ND	0.0030	ND	0.0027

Results normalized including non-methane hydrocarbons

ND = Not Detected (below RL)

RL = Reporting Limit

d = Analyzed by secondary analysis, batch number 191219GC8A1, 191219GC8A2

Reviewed/Approved By: Mark Johnson
 Mark Johnson
 Operations Manager

Date 12/20/19

The cover letter is an integral part of this analytical report



Client: Republic Services
Attn: Mike Lambrich
Project Name: Bridgeton Landfill
Project No.: NA
Date Received: 12/13/19
Matrix: Air
Reporting Units: % v/v

ASTM D1946

Lab No.:	K121301-37	K121301-38	K121301-39	K121301-40				
Client Sample I.D.:	GEW 42R	GEW 43R	GEW 44	GEW 49				
Date/Time Sampled:	12/10/19 10:11	12/10/19 10:31	12/10/19 10:43	12/10/19 11:06				
Date/Time Analyzed:	12/18/19 12:07	12/18/19 12:22	12/18/19 12:37	12/18/19 20:21				
QC Batch No.:	191217GC8A3	191217GC8A3	191217GC8A3	191218GC8A1				
Analyst Initials:	CM	CM	CM	CM				
Dilution Factor:	2.7	2.8	2.7	2.8				
ANALYTE	Result % v/v	RL % v/v	Result % v/v	RL % v/v	Result % v/v	RL % v/v	Result % v/v	RL % v/v
Hydrogen	ND d	0.027	0.13 d	0.028	ND d	0.027	ND d	0.028
Carbon Dioxide	36	0.027	40	0.028	34	0.027	36	0.028
Oxygen/Argon	1.5	1.3	ND	1.4	ND	1.3	ND	1.4
Nitrogen	9.1	2.7	3.8	2.8	20	2.7	15	2.8
Methane	53	0.0027	55	0.0028	45	0.0027	48	0.0028
Carbon Monoxide	ND	0.0027	ND	0.0028	ND	0.0027	ND	0.0028

Results normalized including non-methane hydrocarbons

ND = Not Detected (below RL)

RL = Reporting Limit

d = Analyzed by secondary analysis, batch number, 191219GC8A2

Reviewed/Approved By: Mark Johnson
 Mark Johnson
 Operations Manager

Date 12/20/19

The cover letter is an integral part of this analytical report



Client: Republic Services
Attn: Mike Lambrich
Project Name: Bridgeton Landfill
Project No.: NA
Date Received: 12/13/19
Matrix: Air
Reporting Units: % v/v

ASTM D1946


Lab No.:	K121301-41	K121301-42	K121301-43	K121301-44				
Client Sample I.D.:	GEW 45R	GEW 46R	GEW 2S	GEW 2				
Date/Time Sampled:	12/10/19 11:32	12/10/19 11:44	12/10/19 13:39	12/11/19 8:35				
Date/Time Analyzed:	12/18/19 20:35	12/18/19 20:50	12/18/19 21:04	12/18/19 21:19				
QC Batch No.:	191218GC8A1	191218GC8A1	191218GC8A1	191218GC8A1				
Analyst Initials:	CM	CM	CM	CM				
Dilution Factor:	2.8	2.8	2.8	2.7				
ANALYTE	Result % v/v	RL % v/v	Result % v/v	RL % v/v	Result % v/v	RL % v/v	Result % v/v	RL % v/v
Hydrogen	ND d	0.028	0.047 d	0.028	ND d	0.028	ND d	0.027
Carbon Dioxide	39	0.028	39	0.028	33	0.028	39	0.027
Oxygen/Argon	ND	1.4	ND	1.4	1.5	1.4	ND	1.3
Nitrogen	3.3	2.8	4.8	2.8	13	2.8	8.5	2.7
Methane	57	0.0028	55	0.0028	53	0.0028	52	0.0027
Carbon Monoxide	ND	0.0028	ND	0.0028	ND	0.0028	ND	0.0027

Results normalized including non-methane hydrocarbons

ND = Not Detected (below RL)

RL = Reporting Limit

d = Analyzed by secondary analysis, batch number 191219GC8A2

Reviewed/Approved By: 
 Mark Johnson
 Operations Manager

Date 12/20/19

The cover letter is an integral part of this analytical report



Client: Republic Services
 Attn: Mike Lambrich
 Project Name: Bridgeton Landfill
 Project No.: NA
 Date Received: 12/13/19
 Matrix: Air
 Reporting Units: % v/v

ASTM D1946

Lab No.:	K121301-45	K121301-46	K121301-47	K121301-48				
Client Sample I.D.:	GEW 3	GEW 4	GEW 47R	GEW 5				
Date/Time Sampled:	12/11/19 8:47	12/11/19 9:01	12/11/19 9:16	12/11/19 9:56				
Date/Time Analyzed:	12/18/19 21:33	12/18/19 21:48	12/18/19 22:02	12/18/19 22:17				
QC Batch No.:	191218GC8A1	191218GC8A1	191218GC8A1	191218GC8A1				
Analyst Initials:	CM	CM	CM	CM				
Dilution Factor:	2.7	2.7	2.8	2.8				
ANALYTE	Result % v/v	RL % v/v	Result % v/v	RL % v/v	Result % v/v	RL % v/v	Result % v/v	RL % v/v
Hydrogen	ND d	0.027	0.036 d	0.027	ND d	0.028	ND d	0.028
Carbon Dioxide	41	0.027	40	0.027	40	0.028	37	0.028
Oxygen/Argon	ND	1.3	ND	1.4	ND	1.4	ND	1.4
Nitrogen	5.1	2.7	5.2	2.7	5.7	2.8	7.7	2.8
Methane	53	0.0027	54	0.0027	54	0.0028	55	0.0028
Carbon Monoxide	ND	0.0027	ND	0.0027	ND	0.0028	ND	0.0028

Results normalized including non-methane hydrocarbons

ND = Not Detected (below RL)

RL = Reporting Limit

d = Analyzed by secondary analysis, batch number 191219GC8A2

Reviewed/Approved By: Mark Johnson
 Operations Manager

Date 12/20/19

The cover letter is an integral part of this analytical report



Client: Republic Services
Attn: Mike Lambrich
Project Name: Bridgeton Landfill
Project No.: NA
Date Received: 12/13/19
Matrix: Air
Reporting Units: % v/v

ASTM D1946

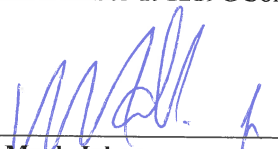
Lab No.:	K121301-49		K121301-50					
Client Sample I.D.:	GEW 48		GEW 6					
Date/Time Sampled:	12/11/19 10:08		12/11/19 10:22					
Date/Time Analyzed:	12/18/19 22:32		12/18/19 22:46					
QC Batch No.:	191218GC8A1		191218GC8A1					
Analyst Initials:	CM		CM					
Dilution Factor:	2.8		2.8					
ANALYTE	Result % v/v	RL % v/v	Result % v/v	RL % v/v				
Hydrogen	ND d	0.028	ND d	0.028				
Carbon Dioxide	38	0.028	37	0.028				
Oxygen/Argon	ND	1.4	ND	1.4				
Nitrogen	5.1	2.8	7.5	2.8				
Methane	56	0.0028	55	0.0028				
Carbon Monoxide	ND	0.0028	ND	0.0028				

Results normalized including non-methane hydrocarbons

ND = Not Detected (below RL)

RL = Reporting Limit

d = Analyzed by secondary analysis, batch number 191219GC8A2

Reviewed/Approved By: 
 Mark Johnson
 Operations Manager

Date: 12/20/19

The cover letter is an integral part of this analytical report



QC Batch No: 191217GC8A3

Matrix: Air

Reporting Units: % v/v

ASTM D1946
LABORATORY CONTROL SAMPLE SUMMARY

Lab No.:	METHOD BLANK	LCS		LCSD		Limits					
Date Analyzed:	12/17/19 23:30	12/17/19 23:59		12/18/19 0:13							
Analyst Initials:	CM	CM		CM							
Dilution Factor:	1.0	1.0		1.0							
ANALYTE	Result	RL	SPIKE	Result	% Rec.	Result	% Rec.	RPD	Low	High	Max.
	% v/v	% v/v	AMT. % v/v	% v/v		% v/v		%	%Rec	%Rec	RPD
Hydrogen	ND	1.0	5.0	5.40	108	5.43	109	0.6	70	130	30
Carbon Dioxide	ND	0.010	10	10.1	100	10.0	100	0.1	70	130	30
Oxygen/Argon	ND	0.50	15	15.9	107	15.9	107	0.0	70	130	30
Nitrogen	ND	1.0	70	73.0	104	73.1	104	0.0	70	130	30
Methane	ND	0.0010	0.10	0.102	102	0.102	102	0.1	70	130	30
Carbon Monoxide	ND	0.0010	0.10	0.103	103	0.103	103	0.3	70	130	30

ND = Not Detected (below RL)

RL = Reporting Limit

Reviewed/Approved By: Mark Johnson
Operations Manager

Date: 12/20/19

The cover letter is an integral part of this analytical report




QC Batch No: 191218GC8A1
 Matrix: Air
 Reporting Units: % v/v

**ASTM D1946
 LABORATORY CONTROL SAMPLE SUMMARY**

Lab No.:	METHOD BLANK				LCS		LCSD					
Date Analyzed:	12/18/19 14:34				12/18/19 13:51		12/18/19 14:05					
Analyst Initials:	CM				CM		CM					
Dilution Factor:	1.0				1.0		1.0		Limits			
ANALYTE	Result % v/v	RL % v/v	SPIKE AMT. % v/v	Result % v/v	% Rec.	Result % v/v	% Rec.	RPD %	Low %Rec	High %Rec	Max. RPD	
Hydrogen	ND	1.0	5.0	5.22	104	5.25	105	0.7	70	130	30	
Carbon Dioxide	ND	0.010	10	9.99	100	10.0	100	0.2	70	130	30	
Oxygen/Argon	ND	0.50	15	15.9	107	16.0	108	0.3	70	130	30	
Nitrogen	ND	1.0	70	73.3	105	73.5	105	0.3	70	130	30	
Methane	ND	0.0010	0.10	0.102	102	0.101	101	0.4	70	130	30	
Carbon Monoxide	ND	0.0010	0.10	0.103	103	0.103	103	0.2	70	130	30	

ND = Not Detected (below RL)
 RL = Reporting Limit

Reviewed/Approved By: 
Mark Johnson
Operations Manager

Date 12/20/19

The cover letter is an integral part of this analytical report



QC Batch No: 191219GC8A1
 Matrix: Air
 Reporting Units: % v/v

**ASTM D1946 Low Level Hydrogen
 LABORATORY CONTROL SAMPLE SUMMARY**

Lab No.:	METHOD BLANK			LCS	LCSD						
Date Analyzed:	12/19/19 9:14			12/19/19 9:19	12/19/19 9:24						
Analyst Initials:	CM			CM	CM						
Dilution Factor:	1.0			1.0	1.0						
								Limits			
ANALYTE	Result % v/v	RL % v/v	SPIKE AMT. % v/v	Result % v/v	% Rec.	Result % v/v	% Rec.	RPD %	Low %Rec	High %Rec	Max. RPD
Hydrogen	ND	0.010	1.0	0.920	92	0.924	92	0.5	70	130	30

ND = Not Detected (below RL)
 RL = Reporting Limit

Reviewed/Approved By: _____

Mark Johnson
 Mark Johnson
 Operations Manager

Date _____

12/20/19

The cover letter is an integral part of this analytical report



QC Batch No: 191219GC8A2
 Matrix: Air
 Reporting Units: % v/v

**ASTM D1946 Low Level Hydrogen
 LABORATORY CONTROL SAMPLE SUMMARY**

Lab No.:	METHOD BLANK			LCS		LCSD					
Date Analyzed:	12/19/19 11:25			12/19/19 11:30		12/19/19 11:35					
Analyst Initials:	CM			CM		CM					
Dilution Factor:	1.0			1.0		1.0					
								Limits			
ANALYTE	Result % v/v	RL % v/v	SPIKE AMT. % v/v	Result % v/v	% Rec.	Result % v/v	% Rec.	RPD %	Low %Rec	High %Rec	Max. RPD
Hydrogen	ND	0.010	1.0	0.929	93	0.928	93	0.1	70	130	30

ND = Not Detected (below RL)

RL = Reporting Limit

Reviewed/Approved By: _____

mpall
 Mark Johnson
 Operations Manager

Date _____

12/20/19

The cover letter is an integral part of this analytical report




QC Batch No: 191220GC8A2
 Matrix: Air
 Reporting Units: % v/v

**ASTM D1946 Low Level Hydrogen
 LABORATORY CONTROL SAMPLE SUMMARY**

Lab No.:	METHOD BLANK			LCS		LCSD					
Date Analyzed:	12/20/19 10:45			12/20/19 10:50		12/20/19 10:54					
Analyst Initials:	CM			CM		CM					
Dilution Factor:	1.0			1.0		1.0					
								Limits			
ANALYTE	Result % v/v	RL % v/v	SPIKE AMT. % v/v	Result % v/v	% Rec.	Result % v/v	% Rec.	RPD %	Low %Rec	High %Rec	Max. RPD
Hydrogen	ND	0.010	1.0	0.942	94	0.942	94	0.0	70	130	30

ND = Not Detected (below RL)
 RL = Reporting Limit

Reviewed/Approved By: 
 Mark Johnson
 Operations Manager

Date 12/20/19

The cover letter is an integral part of this analytical report





AIMTECHNOLOGY
Laboratories, Inc.

18501 E. Gale Ave., Suite
130
City of Industry, CA 91748
Ph: 626-964-4032
FX: 626-964-5832

CHAIN OF CUSTODY RECORD

TURNAROUND TIME	DELIVERABLES	PAGE:	1	OF	1
Standard <input type="checkbox"/>	EDD <input checked="" type="checkbox"/>	Condition upon receipt:			
Same Day <input type="checkbox"/>	EDF <input type="checkbox"/>	Sealed Yes <input type="checkbox"/> No <input type="checkbox"/>			
24 hours <input checked="" type="checkbox"/>	Level 3 <input type="checkbox"/>	Intact Yes <input type="checkbox"/> No <input type="checkbox"/>			
Other: 5 Day	Level 4 <input type="checkbox"/>	Chilled _____ deg C			

LAB USE ONLY	SAMPLE IDENTIFICATION				SAMPLE DATE	SAMPLE TIME	CONTAINER QTY/TYPE	MATRIX	PRESERVATION	ANALYSIS REQUEST				
	Cannister ID	Sample Start	Sample End	Cannister Pressure ("hg)										
K122601-81	5936	-21.3	-5	GEW 8	12/23/2019	9:55	C	LFG	NA	X				4
-82	A7761	-21.5	-5	GEW 42R	12/23/2019	10:39	C	LFG	NA	X				4
-83	3838	-21.1	-5	GEW 2S	12/23/2019	11:19	C	LFG	NA	X				4


BILLING P.O. No.: PO7112802 Bill to: Republic Services Attn: Mike Lambrich 13570 St. Charles Rock Rd. Bridgeton, MO 63044	
COMMENTS AUTHORIZATION TO PERFORM WORK: Dave Penoyer COMPANY: Republic Services SAMPLED BY: Anthony Kimutis RELINQUISHED BY: [Signature] DATE/TIME: 12/23/19 RELINQUISHED BY: [Signature] DATE/TIME: 12/26/19 RELINQUISHED BY: [Signature] DATE/TIME: 1/2/20 RECEIVED BY: [Signature] DATE/TIME: 12/23/19 RECEIVED BY: [Signature] DATE/TIME: 12/26/19 RECEIVED BY: [Signature] DATE/TIME: 1/2/20	
METHOD OF TRANSPORT (circle one): Walk-In FedEx UPS Courier ATLI Other:	

Client: Republic Services
Attn: Mike Lambrich
Project Name: Bridgeton Landfill
Project No.: NA
Date Received: 12/26/19
Matrix: Air
Reporting Units: % v/v

ASTM D1946

Lab No.:	K122601-01	K122601-02	K122601-03					
Client Sample I.D.:	GEW 8	GEW 42R	GEW 2S					
Date/Time Sampled:	12/23/19 9:55	12/23/19 10:39	12/23/19 11:19					
Date/Time Analyzed:	12/26/19 15:20	12/26/19 15:34	12/26/19 15:49					
QC Batch No.:	191226GC8A1	191226GC8A1	191226GC8A1					
Analyst Initials:	AS	AS	AS					
Dilution Factor:	3.0	3.0	3.0					
ANALYTE	Result % v/v	RL % v/v	Result % v/v	RL % v/v	Result % v/v	RL % v/v		
Hydrogen	1.2 d	0.030	ND d	0.030	ND d	0.030		
Carbon Dioxide	42	0.030	38	0.030	32	0.030		
Oxygen/Argon	ND	1.5	ND	1.5	2.2	1.5		
Nitrogen	3.5	3.0	5.4	3.0	13	3.0		
Methane	52	0.0030	55	0.0030	53	0.0030		
Carbon Monoxide	ND	0.0030	ND	0.0030	ND	0.0030		

Results normalized including non-methane hydrocarbons
 ND = Not Detected (below RL)
 RL = Reporting Limit
 d = Analyzed by secondary analysis, batch 191227GC8A2

Reviewed/Approved By: 
 Mark Johnson
 Operations Manager

Date 12-27-19

The cover letter is an integral part of this analytical report




QC Batch No: 191226GC8A1
 Matrix: Air
 Reporting Units: % v/v

**ASTM D1946
 LABORATORY CONTROL SAMPLE SUMMARY**

Lab No.:	METHOD BLANK			LCS		LCSD					
Date Analyzed:	12/26/19 10:57			12/26/19 9:51		12/26/19 10:05					
Analyst Initials:	AS			AS		AS					
Dilution Factor:	1.0			1.0		1.0		Limits			
ANALYTE	Result % v/v	RL % v/v	SPIKE AMT. % v/v	Result % v/v	% Rec.	Result % v/v	% Rec.	RPD %	Low %Rec	High %Rec	Max. RPD
Hydrogen	ND	1.0	5.0	4.16	83	4.18	84	0.4	70	130	30
Carbon Dioxide	ND	0.010	10	9.35	93	9.29	93	0.7	70	130	30
Oxygen/Argon	ND	0.50	15	16.1	108	16.0	108	0.5	70	130	30
Nitrogen	ND	1.0	70	72.4	103	72.1	103	0.4	70	130	30
Methane	ND	0.0010	0.10	0.104	104	0.103	103	0.9	70	130	30
Carbon Monoxide	ND	0.0010	0.10	0.0979	98	0.0973	97	0.6	70	130	30

ND = Not Detected (below RL)
 RL = Reporting Limit

Reviewed/Approved By: 
 Mark Johnson
 Operations Manager

Date 12-27-19

The cover letter is an integral part of this analytical report

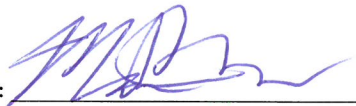


QC Batch No: 191227GC8A2
 Matrix: Air
 Reporting Units: % v/v

**ASTM D1946 Low Level Hydrogen
 LABORATORY CONTROL SAMPLE SUMMARY**

Lab No.:	METHOD BLANK			LCS		LCSD					
Date Analyzed:	12/27/19 9:09			12/27/19 8:55		12/27/19 9:00					
Analyst Initials:	CM			CM		CM					
Dilution Factor:	1.0			1.0		1.0		Limits			
ANALYTE	Result % v/v	RL % v/v	SPIKE AMT. % v/v	Result % v/v	% Rec.	Result % v/v	% Rec.	RPD %	Low %Rec	High %Rec	Max. RPD
Hydrogen	ND	0.010	1.0	0.848	85	0.873	87	2.9	70	130	30

ND = Not Detected (below RL)
 RL = Reporting Limit

Reviewed/Approved By: 
 Mark Johnson
 Operations Manager

Date 12-27-19

The cover letter is an integral part of this analytical report

ATTACHMENT D

GAS WELLFIELD DATA

ATTACHMENT D-1

WELLFIELD DATA TABLE

December 2019 Wellfield Monitoring Data - Bridgeton Landfill

Well Name	Date Sampled	Methane	CO ₂	O ₂	Balance Gas	Init Temp	Adj Temp	Init Flow	Adj Flow	Init Static Press	Adj Static Press	System Pressure
		(% vol)				°F		scfm		H ₂ O		
GEW-002	12/6/2019 10:24:44 AM	55.3	40.2	0.0	4.5	110.0	109.9	12.36	12.36	-0.96	-0.96	-13.90
GEW-002	12/11/2019 8:32:02 AM	55.5	40.6	0.0	3.9	110.2	110.2	18.88	18.69	-0.69	-0.66	-13.82
GEW-002	12/11/2019 8:39:08 AM	54.8	39.8	0.0	5.4	109.8	109.9	13.76	21.25	-0.65	-0.67	-13.90
GEW-002	12/17/2019 11:30:32 AM	54.3	40.5	0.0	5.2	111.0	111.2	7.13	14.27	-0.55	-0.55	-13.94
GEW-002	12/23/2019 11:25:24 AM	53.7	42.2	0.0	4.1	112.2	112.2	39.76	36.63	-0.68	-0.68	-13.10
GEW-003	12/6/2019 10:39:43 AM	51.9	40.0	0.0	8.1	100.9	101.1	3.85	7.20	-0.72	-0.74	-13.31
GEW-003	12/11/2019 8:43:42 AM	54.8	40.7	0.0	4.5	93.1	93.4	9.05	5.17	-0.23	-0.25	-13.44
GEW-003	12/11/2019 8:50:39 AM	54.6	41.0	0.0	4.4	92.6	92.9	29.29	28.38	-0.20	-0.22	-13.82
GEW-003	12/18/2019 9:00:26 AM	55.8	42.8	0.0	1.4	51.3	51.8	9.03	9.18	-0.60	-0.62	-13.35
GEW-003	12/23/2019 11:32:59 AM	53.1	43.8	0.0	3.1	113.4	113.7	23.18	24.10	-0.02	-0.02	-13.48
GEW-004	12/6/2019 10:27:40 AM	55.2	40.0	0.0	4.8	104.6	104.5	13.55	11.50	-0.89	-0.88	-13.98
GEW-004	12/6/2019 10:29:35 AM	55.1	40.9	0.0	4.0	102.1	101.4	10.16	4.70	-0.85	-0.83	-13.52
GEW-004	12/11/2019 8:57:42 AM	54.7	41.4	0.0	3.9	97.9	98.4	15.92	8.63	-0.17	-0.19	-13.52
GEW-004	12/11/2019 9:05:04 AM	55.4	39.4	0.0	5.2	98.4	97.2	7.22	10.93	-0.19	-0.16	-13.18
GEW-004	12/17/2019 11:34:43 AM	55.1	41.1	0.0	3.8	102.5	102.3	7.48	8.14	0.09	0.07	-12.72
GEW-004	12/17/2019 11:36:13 AM	55.4	41.1	0.0	3.5	105.4	105.7	20.31	19.38	0.03	0.03	-13.61
GEW-004	12/18/2019 9:04:17 AM	55.6	41.5	0.0	2.9	104.5	104.5	30.80	30.80	-0.65	-0.65	-13.31
GEW-004	12/23/2019 11:37:06 AM	54.6	42.8	0.0	2.6	110.5	110.5	11.79	8.59	0.15	0.16	-13.23
GEW-004	12/23/2019 11:38:30 AM	54.9	42.3	0.0	2.8	111.0	111.0	11.77	8.10	0.16	0.14	-13.27
GEW-004	12/26/2019 7:48:48 AM	56.4	39.6	0.0	4.0	109.0	109.0	37.52	38.10	-0.65	-0.65	-13.82
GEW-005	12/6/2019 10:44:36 AM	53.2	39.2	0.0	7.6	72.3	70.7	13.68	15.55	-0.50	-0.46	-13.52
GEW-005	12/11/2019 9:52:58 AM	55.0	39.1	0.0	5.9	75.3	75.5	16.86	16.07	-0.26	-0.27	-13.98
GEW-005	12/11/2019 9:59:29 AM	55.8	37.0	0.0	7.2	75.7	75.6	7.37	7.37	-0.26	-0.26	-13.52
GEW-005	12/17/2019 2:07:08 PM	57.5	37.5	0.0	5.0	76.6	76.4	7.88	2.79	0.13	0.13	-12.93
GEW-005	12/17/2019 2:08:27 PM	57.1	37.8	0.0	5.1	77.1	77.3	9.24	7.88	0.12	0.12	-13.56
GEW-005	12/18/2019 9:15:22 AM	55.1	39.2	0.0	5.7	74.3	74.2	21.36	21.36	-0.42	-0.42	-13.61
GEW-005	12/23/2019 11:50:06 AM	55.8	41.6	0.0	2.6	84.0	84.0	28.10	27.41	0.34	0.35	-13.10
GEW-005	12/23/2019 11:51:37 AM	56.1	40.5	0.0	3.4	84.4	84.4	26.11	26.11	0.34	0.34	-13.06
GEW-005	12/26/2019 7:55:44 AM	55.0	38.0	0.0	7.0	80.5	80.4	7.84	7.84	-0.37	-0.37	-13.73
GEW-006	12/6/2019 10:49:58 AM	55.4	39.3	0.0	5.3	77.9	77.7	30.80	30.80	-0.72	-0.72	-14.24
GEW-006	12/11/2019 10:18:25 AM	55.9	38.2	0.0	5.9	79.2	79.4	11.77	11.77	-0.64	-0.64	-13.44
GEW-006	12/11/2019 10:24:23 AM	56.3	37.1	0.0	6.6	79.6	79.5	33.63	34.20	-0.61	-0.58	-13.61
GEW-006	12/17/2019 2:15:48 PM	57.4	38.2	0.0	4.4	81.7	81.7	33.84	34.39	-0.02	-0.02	-13.52
GEW-006	12/17/2019 2:17:12 PM	57.3	38.1	0.0	4.6	82.1	82.1	13.00	9.60	-0.05	-0.05	-13.56
GEW-006	12/23/2019 1:50:49 PM	58.6	37.6	0.0	3.8	84.9	84.9	14.96	15.70	0.18	0.18	-13.77
GEW-006	12/23/2019 1:52:05 PM	58.2	37.5	0.0	4.3	85.1	85.1	15.45	14.43	0.13	0.12	-13.73
GEW-006	12/26/2019 8:03:32 AM	55.7	38.5	0.0	5.8	82.3	82.1	25.95	23.31	-0.64	-0.64	-13.61
GEW-007	12/5/2019 10:28:32 AM	56.6	40.0	0.0	3.4	90.8	90.8	16.70	16.47	-6.09	-6.09	-13.35
GEW-007	12/9/2019 10:31:07 AM	56.6	40.6	0.0	2.8	89.3	89.4	7.18	6.64	-5.79	-6.09	-13.44
GEW-007	12/9/2019 10:36:45 AM	57.1	40.4	0.0	2.5	89.6	89.6	10.14	7.67	-6.09	-6.09	-13.73

December 2019 Wellfield Monitoring Data - Bridgeton Landfill

Well Name	Date Sampled	Methane	CO ₂	O ₂	Balance Gas	Init Temp	Adj Temp	Init Flow	Adj Flow	Init Static Press	Adj Static Press	System Pressure
		(% vol)				°F		scfm		H ₂ O		
GEW-007	12/18/2019 9:43:50 AM	57.9	40.0	0.0	2.1	87.7	87.7	6.48	5.22	-6.43	-6.43	-13.82
GEW-007	12/23/2019 9:48:02 AM	56.6	40.7	0.0	2.7	90.1	89.9	10.84	10.83	-6.26	-6.34	-13.82
GEW-008	12/5/2019 10:32:00 AM	54.0	41.7	0.0	4.3	112.1	112.0	23.00	23.32	-0.81	-0.81	-13.73
GEW-008	12/9/2019 10:40:58 AM	53.5	43.2	0.0	3.3	111.2	111.0	35.85	36.15	-0.78	-0.76	-13.82
GEW-008	12/9/2019 10:46:22 AM	54.0	42.8	0.0	3.2	111.0	111.3	27.62	27.62	-0.79	-0.79	-13.73
GEW-008	12/18/2019 9:49:54 AM	55.3	40.2	0.0	4.5	109.7	109.7	38.09	37.80	-1.21	-1.22	-14.03
GEW-008	12/23/2019 9:52:11 AM	53.8	43.2	0.0	3.0	111.8	111.8	35.62	36.22	-0.91	-0.91	-13.48
GEW-008	12/23/2019 9:57:47 AM	54.3	42.8	0.0	2.9	112.0	112.2	13.46	13.98	-0.97	-0.98	-13.65
GEW-009	12/5/2019 10:35:18 AM	49.7	40.8	0.0	9.5	120.3	120.7	28.84	28.84	-0.17	-0.17	-13.90
GEW-009	12/5/2019 10:37:23 AM	49.7	40.6	0.0	9.7	120.2	120.2	17.15	17.96	-0.12	-0.12	-13.56
GEW-009	12/9/2019 10:50:14 AM	50.7	41.7	0.0	7.6	121.3	121.6	8.03	5.98	-0.10	-0.09	-13.90
GEW-009	12/9/2019 10:56:48 AM	51.3	41.1	0.0	7.6	121.2	120.6	6.56	9.27	-0.03	-0.04	-13.52
GEW-009	12/18/2019 9:54:34 AM	49.5	40.1	0.0	10.4	117.9	118.0	3.50	3.50	-0.33	-0.34	-13.82
GEW-009	12/18/2019 9:56:06 AM	49.4	39.6	0.0	11.0	117.4	116.3	6.41	7.91	-0.32	-0.32	-13.86
GEW-009	12/23/2019 10:01:15 AM	51.6	42.1	0.0	6.3	120.5	120.5	7.08	5.99	-0.11	-0.11	-14.03
GEW-010	12/5/2019 9:03:29 AM	56.8	40.7	0.0	2.5	80.1	80.5	2.44	1.41	-6.37	-6.37	-19.83
GEW-010	12/5/2019 9:17:11 AM	56.3	41.4	0.0	2.3	82.3	82.2	1.81	1.40	-6.71	-6.71	-19.41
GEW-010	12/9/2019 10:37:41 AM	55.0	42.8	0.0	2.2	77.9	78.4	3.18	2.48	-6.04	-6.04	-19.32
GEW-010	12/19/2019 8:08:49 AM	56.1	41.4	0.0	2.5	65.1	64.9	0.84	1.45	-6.71	-6.71	-20.08
GEW-010	12/26/2019 2:21:11 PM	56.6	41.2	0.0	2.2	92.9	92.9	2.26	2.77	-5.75	-5.79	-18.07
GEW-013A	12/2/2019 2:25:53 PM	7.5	64.7	0.0	27.8	193.6	193.6	24.11	25.01	-11.69	-11.69	-18.44
GEW-013A	12/2/2019 2:27:14 PM	6.7	64.4	0.0	28.9	193.6	193.6	27.43	24.46	-11.69	-11.69	-18.10
GEW-013A	12/16/2019 8:46:51 AM	10.8	59.0	0.0	30.2	192.3	192.3	33.94	32.92	-10.76	-10.76	-19.92
GEW-013A	12/16/2019 8:47:45 AM	10.1	58.9	0.0	31.0	192.3	192.3	33.99	32.86	-10.76	-10.76	-19.58
GEW-015	12/9/2019 8:35:58 AM	21.0	49.2	0.0	29.8	95.3	95.4	3.50	3.84	-2.49	-2.49	-18.82
GEW-015	12/20/2019 10:07:36 AM	24.4	46.6	0.0	29.0	90.3	90.3	3.75	4.38	-3.00	-2.99	-19.75
GEW-016R	12/9/2019 8:25:51 AM	4.5	54.2	0.0	41.3	166.7	167.1	7.85	8.04	-2.26	-2.27	-18.65
GEW-016R	12/9/2019 8:26:48 AM	4.5	55.6	0.0	39.9	167.1	167.1	8.22	8.52	-2.27	-2.26	-18.82
GEW-016R	12/17/2019 1:54:20 PM	7.8	55.4	0.0	36.8	169.5	169.0	9.57	9.52	-2.64	-2.66	-18.27
GEW-016R	12/17/2019 1:55:18 PM	7.7	55.5	0.0	36.8	169.2	168.1	9.15	9.20	-2.69	-2.69	-18.27
GEW-018B	12/9/2019 9:37:15 AM	1.9	57.4	0.0	40.7	202.4	202.3	17.81	17.89	-2.08	-2.07	-19.53
GEW-018B	12/9/2019 9:38:35 AM	1.8	58.0	0.0	40.2	202.3	202.3	17.15	16.98	-2.36	-2.36	-18.48
GEW-018B	12/17/2019 2:39:10 PM	9.5	43.0	3.6	43.9	173.1	172.1	12.42	12.42	-12.41	-12.41	-17.76
GEW-018B	12/17/2019 2:40:39 PM	9.6	42.8	3.6	44.0	173.6	171.6	13.03	12.64	-12.41	-12.41	-18.60
GEW-019A	12/11/2019 10:14:50 AM	0.8	54.1	4.6	40.5	42.5	42.7	3.39	4.80	-17.90	-17.90	-19.03
GEW-019A	12/18/2019 10:24:20 AM	0.8	60.8	4.2	34.2	40.9	40.9	3.03	3.68	-18.60	-18.60	-20.09
GEW-039	12/5/2019 2:35:23 PM	33.0	34.8	0.4	31.8	105.5	105.6	10.76	10.24	-0.21	-0.21	-18.94
GEW-039	12/9/2019 3:40:29 PM	29.9	33.7	1.7	34.7	103.0	103.0	12.70	12.70	-0.22	-0.22	-19.41
GEW-039	12/9/2019 3:46:09 PM	29.3	32.8	1.8	36.1	102.8	103.0	12.11	10.14	-0.19	-0.20	-19.28
GEW-039	12/19/2019 10:42:52 AM	29.0	32.9	2.1	36.0	104.0	104.0	11.62	11.93	-0.14	-0.15	-19.24

December 2019 Wellfield Monitoring Data - Bridgeton Landfill

Well Name	Date Sampled	Methane	CO ₂	O ₂	Balance Gas	Init Temp	Adj Temp	Init Flow	Adj Flow	Init Static Press	Adj Static Press	System Pressure
		(% vol)				°F		scfm		H ₂ O		
GEW-039	12/26/2019 3:36:26 PM	29.5	33.8	1.3	35.4	106.3	106.5	12.12	10.49	-0.21	-0.21	-19.59
GEW-040	12/6/2019 9:29:28 AM	49.3	33.6	0.0	17.1	46.0	46.0	8.10	8.10	-0.69	-0.70	-13.14
GEW-040	12/6/2019 9:30:48 AM	48.4	34.2	0.0	17.4	44.9	45.0	8.12	7.59	-0.31	-0.30	-13.27
GEW-040	12/9/2019 2:23:04 PM	58.2	35.6	0.0	6.2	54.7	54.7	9.85	8.53	-0.26	-0.24	-12.97
GEW-040	12/9/2019 2:30:17 PM	59.2	34.7	0.0	6.1	54.7	54.7	11.37	11.37	-0.29	-0.29	-13.02
GEW-040	12/17/2019 10:04:37 AM	61.6	38.1	0.0	0.3	34.0	34.0	7.68	6.29	-0.18	-0.17	-11.88
GEW-040	12/17/2019 10:06:00 AM	61.8	36.7	0.0	1.5	33.9	33.9	13.37	13.35	-0.42	-0.44	-12.38
GEW-040	12/23/2019 10:26:22 AM	56.3	37.9	0.0	5.8	49.1	49.0	15.05	14.95	-0.45	-0.44	-12.97
GEW-041R	12/6/2019 9:33:44 AM	52.6	35.7	0.0	11.7	76.4	76.6	2.41	5.63	-0.40	-0.40	-13.48
GEW-041R	12/6/2019 9:35:54 AM	52.3	36.2	0.0	11.5	74.7	74.1	5.88	11.42	-0.35	-0.35	-13.40
GEW-041R	12/10/2019 9:55:26 AM	56.1	34.8	0.0	9.1	56.0	56.3	4.01	0.90	-0.28	-0.25	-13.48
GEW-041R	12/10/2019 10:03:14 AM	55.3	34.8	0.0	9.9	56.1	56.2	6.35	2.84	-0.22	-0.22	-13.52
GEW-041R	12/17/2019 10:09:42 AM	55.9	35.7	0.0	8.4	58.3	59.0	4.91	6.34	-0.11	-0.12	-12.85
GEW-041R	12/23/2019 10:29:36 AM	55.3	37.1	0.0	7.6	73.0	73.0	10.07	8.84	-0.09	-0.09	-13.02
GEW-042R	12/6/2019 9:38:17 AM	56.9	38.2	0.0	4.9	100.6	100.6	15.76	15.76	-3.33	-3.33	-13.52
GEW-042R	12/10/2019 10:07:31 AM	57.6	37.6	0.0	4.8	99.6	99.1	23.13	24.96	-3.06	-3.07	-11.75
GEW-042R	12/10/2019 10:15:03 AM	56.9	37.8	0.0	5.3	98.7	98.7	5.78	5.72	-2.98	-3.00	-10.78
GEW-042R	12/17/2019 10:14:42 AM	57.5	38.7	0.0	3.8	97.4	97.7	12.66	12.85	-2.31	-2.32	-8.72
GEW-042R	12/23/2019 10:35:44 AM	56.9	40.1	0.1	2.9	103.0	103.0	38.17	37.40	-3.03	-3.04	-12.89
GEW-042R	12/23/2019 10:43:55 AM	57.0	39.9	0.0	3.1	102.9	103.0	12.37	11.45	-3.00	-2.99	-11.33
GEW-043R	12/6/2019 9:41:02 AM	57.2	40.3	0.0	2.5	114.0	114.0	6.81	8.89	-1.72	-1.76	-13.56
GEW-043R	12/10/2019 10:27:22 AM	56.5	40.7	0.0	2.8	114.0	113.9	25.45	25.17	-1.54	-1.53	-14.24
GEW-043R	12/10/2019 10:34:57 AM	56.4	40.1	0.0	3.5	114.4	114.3	29.34	29.42	-1.45	-1.43	-13.73
GEW-043R	12/17/2019 10:54:07 AM	56.5	41.0	0.0	2.5	114.1	114.3	7.60	11.40	-1.03	-1.03	-13.06
GEW-043R	12/23/2019 10:54:41 AM	55.4	42.5	0.0	2.1	115.8	115.8	21.79	22.28	-1.04	-1.06	-13.61
GEW-044	12/6/2019 9:43:54 AM	46.0	37.0	0.0	17.0	56.7	58.5	4.99	2.69	-0.74	-0.76	-13.14
GEW-044	12/6/2019 9:46:05 AM	45.5	36.3	0.0	18.2	59.2	59.2	2.96	1.67	-0.72	-0.72	-13.14
GEW-044	12/10/2019 10:39:41 AM	46.5	35.6	0.0	17.9	46.1	46.2	1.57	0.91	-0.35	-0.34	-13.48
GEW-044	12/10/2019 10:48:24 AM	46.3	34.8	0.0	18.9	41.2	41.5	8.15	5.35	-0.16	-0.16	-13.14
GEW-044	12/17/2019 10:59:37 AM	49.7	37.7	0.0	12.6	41.8	49.6	2.23	1.70	-0.05	-0.05	-13.23
GEW-044	12/23/2019 10:57:41 AM	48.4	38.5	0.0	13.1	67.9	67.9	9.50	9.50	-0.18	-0.18	-13.18
GEW-044	12/23/2019 10:59:52 AM	49.1	37.2	0.0	13.7	69.1	68.8	8.30	8.30	-0.07	-0.08	-12.93
GEW-045R	12/6/2019 10:02:38 AM	58.3	39.9	0.0	1.8	83.2	82.8	6.74	6.82	-4.13	-4.13	-13.48
GEW-045R	12/10/2019 11:28:53 AM	58.4	39.2	0.0	2.4	86.3	85.8	7.26	7.10	-3.95	-3.96	-13.48
GEW-045R	12/10/2019 11:36:25 AM	58.0	38.8	0.0	3.2	86.8	85.4	7.13	4.49	-3.82	-3.83	-13.14
GEW-045R	12/17/2019 11:17:18 AM	57.8	40.1	0.0	2.1	86.3	85.9	6.70	2.74	-3.69	-3.73	-12.85
GEW-045R	12/23/2019 11:08:35 AM	57.1	40.8	0.0	2.1	91.0	91.0	8.16	8.16	-4.09	-4.09	-12.93
GEW-046R	12/6/2019 10:06:03 AM	56.7	40.3	0.0	3.0	75.9	76.6	10.42	13.21	-0.49	-0.49	-13.48
GEW-046R	12/10/2019 11:40:20 AM	56.5	40.0	0.0	3.5	79.8	80.0	6.77	6.83	-0.24	-0.24	-13.23
GEW-046R	12/10/2019 11:47:07 AM	57.2	38.9	0.0	3.9	80.3	80.0	2.77	4.81	-0.18	-0.15	-13.48

December 2019 Wellfield Monitoring Data - Bridgeton Landfill

Well Name	Date Sampled	Methane	CO ₂	O ₂	Balance Gas	Init Temp	Adj Temp	Init Flow	Adj Flow	Init Static Press	Adj Static Press	System Pressure
		(% vol)				°F		scfm		H ₂ O		
GEW-046R	12/17/2019 11:20:57 AM	56.6	40.1	0.0	3.3	79.8	80.5	7.73	7.73	-0.10	-0.14	-13.48
GEW-046R	12/23/2019 11:11:55 AM	55.9	40.8	0.0	3.3	88.7	88.9	11.68	10.30	-0.09	-0.08	-12.93
GEW-047R	12/6/2019 10:35:16 AM	52.8	41.1	0.0	6.1	88.9	88.4	9.59	4.39	-0.59	-0.55	-13.48
GEW-047R	12/11/2019 9:12:25 AM	54.4	40.7	0.0	4.9	90.8	90.8	4.80	3.79	-0.14	-0.14	-13.40
GEW-047R	12/11/2019 9:19:28 AM	55.0	39.9	0.0	5.1	91.0	91.0	36.25	35.93	-0.10	-0.12	-13.48
GEW-047R	12/17/2019 1:57:38 PM	56.5	39.3	0.0	4.2	95.8	95.8	7.74	6.12	0.06	0.06	-13.31
GEW-047R	12/17/2019 2:00:31 PM	55.3	39.8	0.0	4.9	95.8	95.8	18.84	18.92	0.06	0.05	-12.97
GEW-047R	12/18/2019 9:08:52 AM	55.4	40.3	0.0	4.3	90.7	90.8	27.01	27.01	-0.49	-0.49	-13.40
GEW-047R	12/23/2019 11:45:15 AM	54.1	43.4	0.0	2.5	102.1	102.1	20.01	21.45	0.32	0.32	-12.93
GEW-047R	12/23/2019 11:46:33 AM	54.2	43.3	0.0	2.5	103.8	103.8	17.20	16.09	0.28	0.28	-12.89
GEW-047R	12/26/2019 7:51:11 AM	54.7	39.5	0.0	5.8	100.6	100.6	6.09	6.67	-0.46	-0.46	-13.61
GEW-048	12/6/2019 10:47:09 AM	57.3	39.0	0.0	3.7	92.8	92.8	7.75	3.87	-0.85	-0.87	-13.69
GEW-048	12/11/2019 10:04:22 AM	57.7	38.1	0.0	4.2	94.1	93.9	21.38	23.55	-0.54	-0.56	-14.15
GEW-048	12/11/2019 10:10:50 AM	57.6	37.7	0.0	4.7	93.6	93.5	35.81	35.61	-0.56	-0.53	-14.03
GEW-048	12/17/2019 2:12:32 PM	57.2	38.6	0.0	4.2	95.0	95.0	25.83	26.12	-0.14	-0.15	-13.69
GEW-048	12/23/2019 11:53:30 AM	56.4	40.4	0.0	3.2	96.7	96.7	9.48	12.23	0.12	0.10	-13.61
GEW-048	12/23/2019 11:54:49 AM	56.4	41.1	0.0	2.5	97.0	97.0	15.22	12.53	0.05	0.06	-13.77
GEW-048	12/26/2019 7:58:50 AM	57.0	39.0	0.0	4.0	95.3	95.3	14.46	14.72	-0.70	-0.72	-14.28
GEW-049	12/6/2019 9:49:17 AM	47.2	36.5	0.0	16.3	82.6	83.2	2.76	0.62	-0.76	-0.77	-13.40
GEW-049	12/6/2019 9:50:28 AM	47.0	37.2	0.0	15.8	79.8	79.6	5.54	2.77	-0.74	-0.74	-13.14
GEW-049	12/10/2019 11:02:39 AM	50.0	37.2	0.0	12.8	63.9	63.7	5.35	5.35	-0.05	-0.05	-13.48
GEW-049	12/10/2019 11:10:05 AM	50.1	37.3	0.0	12.6	63.0	62.8	15.54	15.44	-0.06	-0.06	-13.48
GEW-049	12/17/2019 11:05:57 AM	52.6	37.9	0.0	9.5	60.4	60.9	16.25	15.99	-0.04	-0.03	-12.85
GEW-049	12/23/2019 11:02:51 AM	53.4	39.4	0.0	7.2	79.1	79.4	29.15	27.92	-0.01	-0.01	-13.10
GEW-050	12/5/2019 10:22:43 AM	56.8	37.5	0.0	5.7	100.6	100.6	21.78	20.56	-0.37	-0.35	-9.06
GEW-050	12/9/2019 10:08:11 AM	57.1	38.8	0.0	4.1	99.8	99.9	13.35	11.24	-0.27	-0.29	-8.97
GEW-050	12/9/2019 10:14:33 AM	57.2	38.8	0.0	4.0	99.6	99.6	13.63	12.79	-0.29	-0.24	-10.74
GEW-050	12/17/2019 9:21:33 AM	56.5	37.5	0.0	6.0	97.0	96.8	8.64	12.51	-0.47	-0.48	-6.07
GEW-050	12/23/2019 9:41:09 AM	55.9	37.8	0.0	6.3	100.5	100.4	10.89	10.89	-0.39	-0.39	-5.81
GEW-051	12/5/2019 10:42:20 AM	54.9	41.7	0.0	3.4	114.8	114.5	15.92	17.64	-0.14	-0.17	-13.48
GEW-051	12/9/2019 11:02:41 AM	54.8	42.1	0.0	3.1	113.0	113.0	7.62	7.13	0.04	0.03	-13.06
GEW-051	12/9/2019 11:09:38 AM	55.1	41.7	0.0	3.2	114.0	114.1	9.48	9.37	0.03	0.03	-11.96
GEW-051	12/10/2019 10:56:18 AM	57.4	39.9	0.0	2.7	111.5	111.2	7.13	5.39	-0.55	-0.53	-12.09
GEW-051	12/17/2019 9:30:29 AM	56.7	40.8	0.0	2.5	109.0	109.7	9.89	9.06	-0.50	-0.49	-13.06
GEW-051	12/23/2019 10:05:43 AM	54.9	42.6	0.0	2.5	120.2	120.3	8.46	11.35	-0.70	-0.70	-13.23
GEW-052	12/5/2019 10:25:32 AM	49.5	36.9	0.0	13.6	105.5	105.5	33.00	33.11	-0.07	-0.08	-13.48
GEW-052	12/9/2019 10:18:10 AM	51.1	39.1	0.0	9.8	105.7	105.7	26.85	26.71	-0.04	-0.03	-14.07
GEW-052	12/9/2019 10:23:54 AM	51.2	39.0	0.0	9.8	105.1	105.3	26.31	25.84	-0.04	-0.03	-13.48
GEW-052	12/17/2019 9:24:54 AM	47.6	36.3	0.0	16.1	100.0	99.8	23.92	23.92	-0.14	-0.15	-13.35
GEW-052	12/17/2019 9:26:34 AM	46.7	37.5	0.0	15.8	98.4	97.8	4.81	4.88	-0.09	-0.09	-13.35

December 2019 Wellfield Monitoring Data - Bridgeton Landfill

Well Name	Date Sampled	Methane	CO ₂	O ₂	Balance Gas	Init Temp	Adj Temp	Init Flow	Adj Flow	Init Static Press	Adj Static Press	System Pressure
		(% vol)				°F		scfm		H ₂ O		
GEW-052	12/23/2019 9:43:53 AM	47.5	37.2	0.0	15.3	102.3	102.5	25.38	25.08	-0.02	-0.02	-13.86
GEW-053	12/5/2019 10:49:30 AM	51.1	42.3	0.0	6.6	138.0	138.3	16.26	16.04	-0.17	-0.16	-13.23
GEW-053	12/5/2019 10:50:29 AM	50.7	43.0	0.0	6.3	139.0	138.6	15.81	16.87	-0.16	-0.16	-13.14
GEW-053	12/9/2019 11:17:48 AM	50.7	42.4	0.0	6.9	140.6	141.2	24.42	24.42	-0.02	-0.02	-13.10
GEW-053	12/9/2019 11:24:03 AM	50.7	42.8	0.0	6.5	141.2	140.9	22.48	22.79	-0.02	-0.02	-13.61
GEW-053	12/17/2019 9:41:54 AM	52.3	41.7	0.0	6.0	139.9	140.2	29.13	28.70	-0.52	-0.56	-13.31
GEW-053	12/17/2019 9:43:30 AM	51.6	43.2	0.0	5.2	140.2	140.6	16.71	15.74	-0.54	-0.55	-12.38
GEW-053	12/23/2019 10:11:27 AM	50.8	43.0	0.0	6.2	142.2	142.3	33.95	33.84	-0.39	-0.38	-13.48
GEW-053	12/23/2019 10:12:40 AM	50.5	43.7	0.0	5.8	141.9	141.5	25.74	26.54	-0.39	-0.38	-13.44
GEW-054	12/5/2019 10:53:40 AM	52.7	43.2	0.0	4.1	145.7	145.7	61.25	63.30	-4.13	-4.13	-13.14
GEW-054	12/5/2019 10:55:21 AM	52.7	43.1	0.0	4.2	145.7	145.6	65.87	67.78	-4.39	-4.45	-12.72
GEW-054	12/9/2019 1:58:23 PM	53.7	42.1	0.0	4.2	145.6	145.6	53.84	65.93	-4.48	-4.68	-13.18
GEW-054	12/9/2019 2:04:19 PM	53.6	41.7	0.0	4.7	145.6	145.6	55.97	55.97	-4.57	-4.57	-13.48
GEW-054	12/17/2019 9:53:31 AM	53.5	42.8	0.0	3.7	145.9	145.9	48.74	51.55	-4.24	-4.29	-13.14
GEW-054	12/17/2019 9:54:44 AM	53.4	43.1	0.0	3.5	145.9	145.9	63.01	60.42	-4.58	-4.40	-13.73
GEW-054	12/23/2019 10:15:50 AM	52.7	43.6	0.0	3.7	146.3	146.3	49.20	50.82	-4.29	-4.18	-13.98
GEW-054	12/23/2019 10:16:58 AM	52.6	43.8	0.0	3.6	146.3	146.3	63.38	63.38	-4.44	-4.44	-13.77
GEW-055	12/5/2019 11:02:27 AM	53.0	43.0	0.0	4.0	127.5	127.5	7.84	5.90	-0.58	-0.59	-12.64
GEW-055	12/9/2019 2:12:13 PM	53.4	41.0	0.0	5.6	122.1	121.8	7.53	9.78	-1.01	-0.99	-13.31
GEW-055	12/9/2019 2:18:07 PM	53.7	41.4	0.0	4.9	121.5	121.8	5.95	4.07	-1.04	-1.06	-13.02
GEW-055	12/17/2019 10:00:40 AM	53.7	42.1	0.0	4.2	119.9	119.5	9.51	5.88	-0.77	-0.77	-12.26
GEW-055	12/23/2019 10:23:17 AM	53.2	42.7	0.0	4.1	128.9	128.8	7.52	6.79	-0.79	-0.77	-12.97
GEW-056R	12/5/2019 9:22:16 AM	42.1	40.1	0.0	17.8	88.2	88.2	2.15	2.15	-0.54	-0.54	-19.58
GEW-056R	12/5/2019 9:28:02 AM	42.2	39.8	0.0	18.0	88.9	89.1	2.43	2.15	-0.55	-0.55	-19.20
GEW-056R	12/9/2019 10:33:49 AM	45.1	42.3	0.0	12.6	80.3	80.3	2.15	2.15	-0.44	-0.44	-18.99
GEW-056R	12/19/2019 8:04:32 AM	44.3	39.3	0.0	16.4	65.0	65.1	3.70	3.28	-0.48	-0.48	-20.13
GEW-056R	12/26/2019 2:37:18 PM	41.4	40.0	0.0	18.6	95.3	95.5	3.02	2.55	-0.41	-0.40	-18.32
GEW-057B	12/3/2019 2:23:23 PM	5.9	53.7	0.0	40.4	169.9	169.0	5.91	4.29	-17.22	-17.22	-18.27
GEW-057B	12/3/2019 2:24:45 PM	5.7	54.7	0.0	39.6	170.5	164.3	3.18	5.98	-17.22	-17.22	-17.46
GEW-057B	12/17/2019 8:51:03 AM	5.8	54.3	0.0	39.9	156.9	159.4	5.81	1.52	-18.49	-18.49	-19.28
GEW-057B	12/17/2019 8:52:46 AM	5.5	56.2	0.0	38.3	157.3	159.2	4.63	4.63	-18.28	-18.28	-18.52
GEW-058A	12/3/2019 9:03:02 AM	0.7	44.2	1.9	53.2	48.8	48.8	1.75	2.14	-0.59	-0.59	-18.10
GEW-058A	12/19/2019 2:18:16 PM	0.9	49.0	0.8	49.3	55.4	90.3	2.27	2.09	-0.39	-0.39	-17.97
GEW-059R	12/3/2019 8:28:59 AM	23.3	39.8	0.0	36.9	101.3	101.3	6.61	6.45	-7.89	-7.89	-18.27
GEW-059R	12/19/2019 1:58:42 PM	20.9	41.0	0.0	38.1	121.8	121.9	6.15	6.60	-8.10	-8.10	-18.31
GEW-067A	12/2/2019 1:44:00 PM	11.0	53.4	0.1	35.5	195.0	193.0	10.44	10.44	-10.68	-10.68	-18.18
GEW-067A	12/2/2019 1:45:45 PM	10.6	51.3	0.0	38.1	195.0	195.0	10.26	8.65	-11.10	-11.10	-17.76
GEW-067A	12/16/2019 9:02:41 AM	17.4	47.2	0.6	34.8	92.7	94.3	1.52	3.09	-19.25	-19.25	-19.96
GEW-068A	12/6/2019 2:17:03 PM	11.2	51.8	0.0	37.0	195.7	195.7	55.59	55.53	-6.29	-6.29	-19.45
GEW-068A	12/6/2019 2:17:59 PM	10.9	52.5	0.0	36.6	195.7	195.7	55.86	55.32	-6.25	-6.25	-20.13

December 2019 Wellfield Monitoring Data - Bridgeton Landfill

Well Name	Date Sampled	Methane	CO ₂	O ₂	Balance Gas	Init Temp	Adj Temp	Init Flow	Adj Flow	Init Static Press	Adj Static Press	System Pressure
		(% vol)				°F		scfm		H ₂ O		
GEW-068A	12/17/2019 11:45:01 AM	10.4	53.9	0.0	35.7	196.5	196.6	55.50	55.09	-4.84	-4.83	-17.55
GEW-068A	12/17/2019 11:46:22 AM	9.8	53.0	0.0	37.2	196.4	196.5	55.33	55.30	-4.81	-4.80	-17.29
GEW-078R	12/10/2019 9:01:09 AM	11.0	28.6	0.0	60.4	145.9	145.9	15.73	15.57	-11.82	-11.82	-20.17
GEW-078R	12/10/2019 9:02:13 AM	10.7	29.5	0.0	59.8	146.3	146.3	15.59	15.20	-11.82	-11.82	-20.04
GEW-078R	12/18/2019 8:31:15 AM	10.6	29.3	0.0	60.1	147.5	146.3	16.29	16.30	-12.16	-12.16	-19.96
GEW-078R	12/18/2019 8:32:07 AM	10.3	29.2	0.0	60.5	147.3	147.3	16.11	15.79	-12.16	-12.16	-19.75
GEW-082R	12/11/2019 9:54:52 AM	12.4	35.8	0.1	51.7	172.1	172.6	2.96	3.41	-4.64	-4.63	-19.41
GEW-082R	12/11/2019 9:55:59 AM	11.9	36.2	0.0	51.9	172.1	171.6	2.61	2.96	-4.62	-4.62	-19.45
GEW-082R	12/18/2019 8:42:30 AM	11.8	37.0	0.0	51.2	171.0	168.1	2.48	2.67	-4.47	-4.47	-20.00
GEW-082R	12/18/2019 8:43:43 AM	11.5	37.7	0.0	50.8	171.0	170.5	2.05	1.50	-4.54	-4.56	-20.21
GEW-086	12/2/2019 2:01:17 PM	10.1	22.5	9.8	57.6	124.7	124.0	12.08	12.09	-0.82	-0.82	-18.56
GEW-086	12/2/2019 2:06:45 PM	10.1	21.7	10.3	57.9	135.3	134.4	10.93	11.05	-0.97	-0.99	-18.35
GEW-086	12/12/2019 2:30:54 PM	13.4	35.5	4.1	47.0	182.7	182.5	15.48	15.51	-0.10	-0.10	-18.69
GEW-086	12/12/2019 2:33:32 PM	12.4	38.1	3.6	45.9	180.9	181.1	13.82	13.68	-0.04	-0.04	-18.31
GEW-086	12/13/2019 1:47:17 PM	13.4	27.6	5.8	53.2	164.8	165.2	15.93	15.24	-0.28	-0.28	-18.05
GEW-086	12/13/2019 3:26:29 PM	12.4	26.7	7.8	53.1	157.3	156.9	16.78	14.97	-0.37	-0.36	-18.60
GEW-086	12/13/2019 3:50:26 PM	12.8	25.3	8.2	53.7	154.9	154.4	16.11	15.18	-0.19	-0.19	-18.52
GEW-086	12/16/2019 9:10:52 AM	4.2	53.2	0.0	42.6	187.0	186.9	14.85	13.82	0.08	0.08	-19.87
GEW-086	12/16/2019 9:12:52 AM	4.2	55.0	0.0	40.8	188.9	190.2	16.01	15.90	-0.01	-0.02	-19.83
GEW-087	12/6/2019 3:04:12 PM	12.4	43.8	4.6	39.2	187.6	187.6	10.91	10.53	-6.42	-6.42	-19.07
GEW-087	12/6/2019 3:05:18 PM	12.6	44.4	4.5	38.5	187.6	187.0	9.18	10.18	-6.42	-6.42	-19.45
GEW-087	12/17/2019 1:40:58 PM	13.5	41.5	4.3	40.7	182.7	182.7	8.47	7.04	-7.68	-7.68	-18.39
GEW-087	12/17/2019 1:42:32 PM	14.2	42.8	4.0	39.0	182.7	182.7	8.22	7.13	-6.33	-6.33	-18.27
GEW-088	12/2/2019 1:53:38 PM	1.9	43.6	2.4	52.1	180.9	178.6	77.85	72.95	-1.39	-1.39	-18.18
GEW-088	12/2/2019 1:55:07 PM	1.8	43.1	2.5	52.6	180.9	179.7	76.89	76.83	-1.37	-1.38	-18.10
GEW-088	12/16/2019 9:06:05 AM	2.2	39.3	3.6	54.9	179.8	179.2	92.18	92.21	-1.72	-1.72	-19.92
GEW-088	12/16/2019 9:07:04 AM	1.8	40.5	3.7	54.0	180.3	180.3	92.34	91.74	-1.73	-1.72	-19.79
GEW-090	12/2/2019 2:50:23 PM	13.6	48.3	0.9	37.2	194.3	194.3	2.70	2.86	-4.44	-4.46	-18.01
GEW-090	12/2/2019 2:51:25 PM	13.5	45.7	0.9	39.9	194.3	194.3	1.35	1.91	-4.53	-4.53	-17.89
GEW-090	12/16/2019 9:30:03 AM	20.8	43.9	0.0	35.3	168.5	167.1	7.30	8.94	-17.94	-17.94	-20.04
GEW-090	12/16/2019 9:31:18 AM	21.4	43.0	0.0	35.6	168.5	168.1	9.10	9.16	-17.86	-17.86	-19.96
GEW-091	12/5/2019 10:31:58 AM	3.4	54.8	0.6	41.2	192.9	192.7	5.60	9.04	-11.10	-11.10	-18.77
GEW-091	12/5/2019 10:33:25 AM	3.1	53.6	0.6	42.7	192.9	191.6	15.57	13.41	-11.10	-11.10	-18.73
GEW-091	12/9/2019 10:59:12 AM	4.2	52.6	0.4	42.8	190.9	190.9	9.00	9.00	-14.10	-14.10	-19.15
GEW-091	12/9/2019 11:05:11 AM	4.5	54.3	0.0	41.2	190.3	190.2	8.09	8.25	-14.06	-14.06	-18.99
GEW-091	12/19/2019 8:27:39 AM	3.4	52.8	0.4	43.4	193.4	192.3	17.70	17.82	-11.78	-11.78	-20.00
GEW-091	12/19/2019 8:29:03 AM	3.2	50.5	0.4	45.9	193.6	193.5	16.96	16.98	-12.11	-12.11	-19.75
GEW-091	12/26/2019 3:04:53 PM	2.7	59.2	0.0	38.1	191.6	191.6	22.44	22.61	-10.99	-11.08	-18.41
GEW-091	12/26/2019 3:06:01 PM	2.8	60.7	0.0	36.5	192.1	191.8	22.34	22.34	-11.08	-11.08	-18.66
GEW-100	12/6/2019 2:11:23 PM	11.1	56.0	0.0	32.9	48.2	48.2	4.92	5.99	-19.25	-19.25	-20.13

December 2019 Wellfield Monitoring Data - Bridgeton Landfill

Well Name	Date Sampled	Methane	CO ₂	O ₂	Balance Gas	Init Temp	Adj Temp	Init Flow	Adj Flow	Init Static Press	Adj Static Press	System Pressure
		(% vol)				°F		scfm		H ₂ O		
GEW-100	12/23/2019 10:56:51 AM	17.4	54.8	0.5	27.3	76.6	76.5	5.30	2.77	-15.45	-15.45	-19.28
GEW-101	12/6/2019 1:54:59 PM	33.3	47.8	2.9	16.0	59.4	59.4	2.81	3.06	-0.19	-0.18	-20.51
GEW-101	12/23/2019 11:04:44 AM	36.1	50.5	2.0	11.4	67.7	67.7	2.39	2.39	-0.07	-0.07	-19.66
GEW-102	12/3/2019 10:55:35 AM	24.7	42.4	4.5	28.4	48.2	48.2	2.38	2.38	-16.46	-16.46	-16.91
GEW-102	12/20/2019 8:28:55 AM	23.5	39.3	4.7	32.5	40.8	40.8	1.53	1.43	-10.43	-10.43	-18.90
GEW-104	12/3/2019 2:15:31 PM	26.9	41.6	0.0	31.5	137.1	137.1	8.80	9.31	-15.53	-15.53	-18.60
GEW-104	12/3/2019 2:16:31 PM	26.7	41.3	0.0	32.0	137.6	137.1	3.66	5.03	-15.53	-15.53	-18.60
GEW-104	12/17/2019 8:46:46 AM	26.0	38.2	0.0	35.8	53.4	53.5	5.92	4.60	-17.90	-17.90	-19.62
GEW-105	12/3/2019 9:33:27 AM	33.6	47.4	0.0	19.0	132.0	131.7	5.23	2.96	-7.34	-7.34	-15.90
GEW-105	12/3/2019 9:34:52 AM	33.3	48.1	0.0	18.6	131.7	132.3	3.79	3.79	-7.68	-7.68	-10.27
GEW-105	12/17/2019 9:03:17 AM	34.2	47.9	0.0	17.9	131.5	131.4	7.14	5.19	-7.30	-7.30	-19.15
GEW-105	12/17/2019 9:04:22 AM	34.2	47.3	0.0	18.5	132.3	131.6	4.95	3.71	-7.26	-7.26	-18.94
GEW-106	12/3/2019 9:07:43 AM	15.6	51.4	0.0	33.0	169.5	167.6	2.18	1.38	-11.06	-11.06	-18.14
GEW-106	12/3/2019 9:08:55 AM	16.3	51.1	0.0	32.6	168.7	168.1	0.98	3.09	-11.06	-11.06	-18.27
GEW-106	12/17/2019 8:57:49 AM	15.6	49.3	0.0	35.1	169.0	169.0	2.68	3.85	-11.14	-11.14	-19.62
GEW-106	12/17/2019 8:58:50 AM	15.9	48.7	0.0	35.4	169.5	169.3	1.53	1.17	-11.14	-11.14	-19.53
GEW-107	12/3/2019 8:44:17 AM	18.9	53.8	0.2	27.1	123.7	123.9	10.51	10.20	-2.57	-2.58	-18.27
GEW-107	12/19/2019 2:58:51 PM	21.0	52.4	0.3	26.3	145.6	145.6	6.24	3.17	-2.58	-2.57	-17.63
GEW-107	12/19/2019 2:59:43 PM	20.9	53.7	0.3	25.1	146.2	145.9	3.84	3.84	-2.57	-2.56	-17.97
GEW-108	12/5/2019 2:23:02 PM	39.8	47.6	0.0	12.6	144.1	144.1	1.01	0.86	-3.95	-3.95	-17.97
GEW-108	12/5/2019 2:24:09 PM	39.4	48.1	0.0	12.5	144.5	144.2	1.18	1.20	-3.97	-3.97	-18.56
GEW-108	12/9/2019 3:11:34 PM	26.5	50.7	0.0	22.8	175.8	175.8	9.35	12.14	-0.31	-0.34	-19.07
GEW-108	12/9/2019 3:17:24 PM	26.2	51.3	0.0	22.5	176.1	176.4	3.14	2.44	-0.18	-0.18	-19.20
GEW-108	12/19/2019 10:32:46 AM	30.1	48.1	0.0	21.8	170.5	171.0	1.58	1.58	-0.43	-0.45	-19.24
GEW-108	12/19/2019 10:33:35 AM	29.2	48.7	0.0	22.1	170.5	170.5	0.71	3.67	-0.40	-0.41	-19.53
GEW-108	12/26/2019 3:20:18 PM	27.4	52.0	0.0	20.6	182.1	182.5	3.95	2.79	0.01	0.01	-18.49
GEW-108	12/26/2019 3:21:54 PM	27.2	53.2	0.0	19.6	185.1	185.1	18.21	13.83	-0.93	-0.86	-18.66
GEW-109	12/5/2019 2:31:14 PM	40.6	40.7	0.8	17.9	103.0	102.5	5.55	5.62	-4.60	-4.60	-18.65
GEW-109	12/9/2019 3:31:10 PM	40.3	41.4	1.1	17.2	89.8	89.3	4.92	4.79	-5.66	-5.66	-19.15
GEW-109	12/9/2019 3:36:44 PM	40.6	39.4	1.3	18.7	89.3	89.2	4.37	3.57	-5.99	-5.99	-19.58
GEW-109	12/19/2019 10:39:38 AM	35.0	37.7	1.4	25.9	82.3	82.5	5.30	4.36	-6.71	-6.71	-19.20
GEW-109	12/26/2019 3:34:13 PM	39.6	39.4	0.9	20.1	104.3	104.0	2.72	5.97	-5.29	-5.33	-18.66
GEW-110	12/5/2019 9:34:11 AM	32.6	36.5	2.4	28.5	73.4	73.4	2.77	1.87	-0.50	-0.50	-19.70
GEW-110	12/5/2019 9:40:02 AM	33.1	36.6	2.0	28.3	73.7	73.8	5.34	4.65	-0.50	-0.50	-19.66
GEW-110	12/9/2019 10:40:20 AM	31.1	39.8	4.2	24.9	81.4	81.4	4.13	2.75	-0.42	-0.42	-19.03
GEW-110	12/19/2019 8:13:20 AM	30.7	37.5	4.4	27.4	60.2	60.2	2.84	2.27	-0.43	-0.43	-20.17
GEW-110	12/26/2019 2:26:49 PM	26.8	29.2	7.7	36.3	83.3	83.3	3.87	1.69	-0.44	-0.41	-18.58
GEW-110	12/26/2019 2:30:20 PM	32.4	32.9	4.9	29.8	94.6	85.4	1.17	1.35	-0.39	-0.35	-18.37
GEW-113	12/9/2019 8:39:36 AM	10.2	53.1	2.4	34.3	170.4	170.2	9.28	9.49	-1.38	-1.37	-19.03
GEW-113	12/9/2019 8:40:37 AM	9.9	52.2	2.4	35.5	170.0	170.0	9.55	9.44	-1.38	-1.37	-18.65

December 2019 Wellfield Monitoring Data - Bridgeton Landfill

Well Name	Date Sampled	Methane	CO ₂	O ₂	Balance Gas	Init Temp	Adj Temp	Init Flow	Adj Flow	Init Static Press	Adj Static Press	System Pressure
		(% vol)				°F		scfm		H ₂ O		
GEW-113	12/17/2019 2:03:03 PM	10.8	50.9	2.8	35.5	170.0	170.0	9.54	9.54	-1.44	-1.44	-18.01
GEW-113	12/17/2019 2:04:20 PM	10.8	52.1	2.8	34.3	170.0	169.8	9.80	9.75	-1.44	-1.43	-18.10
GEW-116	12/9/2019 9:42:30 AM	23.4	53.9	0.7	22.0	165.2	165.2	12.94	16.01	-1.29	-1.30	-16.58
GEW-116	12/9/2019 9:43:32 AM	23.9	53.8	0.7	21.6	165.2	165.2	13.59	13.74	-1.29	-1.29	-16.70
GEW-116	12/17/2019 2:33:43 PM	21.1	46.0	2.3	30.6	164.4	164.3	13.69	13.81	-1.81	-1.82	-10.19
GEW-116	12/17/2019 2:34:52 PM	21.0	46.0	2.3	30.7	164.3	164.3	13.77	13.09	-1.76	-1.76	-10.40
GEW-117	12/4/2019 8:50:38 AM	34.5	58.4	0.0	7.1	160.7	160.7	11.31	10.70	-16.03	-15.90	-20.30
GEW-117	12/4/2019 8:51:55 AM	33.8	58.5	0.0	7.7	160.2	160.7	11.15	11.48	-16.03	-15.98	-20.13
GEW-117	12/10/2019 3:08:18 PM	34.5	61.2	0.0	4.3	163.4	163.3	9.89	8.14	-14.88	-14.88	-18.45
GEW-117	12/10/2019 3:09:31 PM	34.1	61.5	0.0	4.4	163.8	163.4	10.08	10.08	-14.88	-14.88	-18.32
GEW-117	12/17/2019 10:14:58 AM	39.6	52.9	0.0	7.5	146.6	142.5	2.92	4.30	-16.55	-16.55	-19.70
GEW-117	12/17/2019 10:15:50 AM	39.3	52.0	0.0	8.7	146.2	146.1	0.67	3.94	-16.55	-16.55	-19.53
GEW-117	12/18/2019 10:28:04 AM	37.4	62.3	0.0	0.3	149.5	149.7	13.29	12.86	-16.91	-17.17	-19.76
GEW-117	12/18/2019 10:29:19 AM	38.0	59.2	0.0	2.8	149.3	149.5	9.13	9.13	-16.58	-16.58	-19.97
GEW-117	12/26/2019 8:14:18 AM	33.2	60.9	0.0	5.9	167.6	167.1	10.25	10.10	-15.01	-15.26	-19.67
GEW-117	12/26/2019 8:15:30 AM	33.4	60.8	0.0	5.8	167.4	167.1	10.06	8.59	-15.39	-15.31	-19.71
GEW-118	12/11/2019 10:04:19 AM	3.6	45.9	0.0	50.5	189.6	188.6	33.84	33.47	-6.42	-6.42	-19.62
GEW-118	12/11/2019 10:05:21 AM	3.2	47.8	0.0	49.0	192.3	192.3	35.16	35.27	-5.74	-5.74	-19.49
GEW-118	12/18/2019 8:53:21 AM	2.8	44.9	0.0	52.3	192.3	192.3	35.81	35.80	-6.08	-6.08	-19.92
GEW-118	12/18/2019 8:54:31 AM	2.6	46.0	0.0	51.4	193.6	193.5	36.24	36.78	-5.74	-5.74	-20.25
GEW-120	12/4/2019 8:44:25 AM	34.6	47.2	0.8	17.4	122.3	122.5	10.54	13.78	-4.81	-4.74	-20.22
GEW-120	12/10/2019 3:11:59 PM	34.0	48.5	1.1	16.4	117.9	117.7	9.82	15.46	-4.42	-4.42	-18.62
GEW-120	12/18/2019 10:33:22 AM	34.3	46.0	1.2	18.5	114.5	114.3	4.54	11.44	-4.15	-4.18	-19.76
GEW-120	12/26/2019 8:18:02 AM	39.7	50.3	0.2	9.8	117.6	117.5	11.15	12.40	-3.48	-3.50	-19.92
GEW-120	12/26/2019 8:19:23 AM	40.0	48.5	0.3	11.2	121.3	121.6	13.62	10.49	-5.07	-5.07	-19.59
GEW-121	12/11/2019 10:18:54 AM	24.9	52.7	0.0	22.4	139.9	139.9	3.62	4.55	-2.47	-2.49	-19.37
GEW-121	12/11/2019 10:19:46 AM	25.1	51.8	0.0	23.1	140.4	140.6	3.62	4.04	-2.47	-2.48	-19.07
GEW-121	12/17/2019 2:58:20 PM	27.4	51.2	0.0	21.4	150.2	149.5	4.76	4.66	-1.96	-1.97	-18.27
GEW-121	12/17/2019 2:59:17 PM	26.6	52.4	0.0	21.0	150.6	149.5	4.65	4.65	-1.97	-1.97	-18.56
GEW-122	12/11/2019 11:10:57 AM	35.6	35.3	0.0	29.1	97.4	97.2	13.37	13.30	-10.43	-10.43	-18.60
GEW-122	12/20/2019 10:40:19 AM	34.3	39.0	0.0	26.7	97.8	97.9	14.17	14.17	-10.68	-10.68	-18.94
GEW-123	12/11/2019 10:31:54 AM	26.0	51.6	0.0	22.4	65.1	65.2	2.39	2.92	-2.49	-2.49	-18.86
GEW-123	12/20/2019 10:29:51 AM	25.3	49.3	0.0	25.4	69.1	69.1	2.69	3.58	-2.69	-2.69	-18.94
GEW-124	12/11/2019 10:44:38 AM	7.1	9.6	18.6	64.7	60.3	60.7	3.59	1.69	-4.90	-4.89	-18.52
GEW-124	12/11/2019 10:46:31 AM	7.7	6.6	19.0	66.7	63.3	63.4	1.19	3.96	-3.97	-3.98	-18.90
GEW-124	12/17/2019 3:11:19 PM	11.8	11.8	17.1	59.3	54.2	54.4	2.58	2.58	-1.20	-1.21	-18.39
GEW-124	12/17/2019 3:12:22 PM	11.6	10.8	17.4	60.2	55.2	55.2	0.91	1.47	-1.20	-1.21	-18.56
GEW-125	12/4/2019 8:52:05 AM	34.0	57.1	0.0	8.9	55.5	55.5	4.73	4.57	-2.05	-2.05	-19.58
GEW-125	12/4/2019 8:53:34 AM	35.0	56.0	0.0	9.0	57.3	57.3	4.69	4.02	-4.42	-4.42	-19.70
GEW-125	12/20/2019 10:36:32 AM	42.2	54.2	0.0	3.6	57.2	57.2	4.42	4.42	-0.22	-0.22	-19.20

December 2019 Wellfield Monitoring Data - Bridgeton Landfill

Well Name	Date Sampled	Methane	CO ₂	O ₂	Balance Gas	Init Temp	Adj Temp	Init Flow	Adj Flow	Init Static Press	Adj Static Press	System Pressure
		(% vol)				°F		scfm		H ₂ O		
GEW-126	12/6/2019 10:09:15 AM	21.2	52.6	1.8	24.4	42.5	42.5	8.79	10.53	-15.49	-15.49	-20.59
GEW-126	12/23/2019 10:19:07 AM	29.6	58.6	0.0	11.8	55.3	61.6	14.93	9.57	-13.30	-13.30	-18.94
GEW-127	12/6/2019 9:53:31 AM	8.7	35.6	8.3	47.4	81.5	81.6	21.54	21.63	-0.54	-0.54	-20.85
GEW-127	12/6/2019 9:54:46 AM	8.5	35.2	8.3	48.0	80.5	80.5	21.17	21.01	-0.51	-0.51	-20.63
GEW-127	12/13/2019 1:46:01 PM	3.3	22.2	7.4	67.1	74.1	74.0	18.25	18.67	-0.34	-0.34	-18.37
GEW-127	12/13/2019 1:47:41 PM	3.2	22.8	7.4	66.6	72.2	72.1	28.55	28.78	-0.09	-0.09	-18.41
GEW-127	12/17/2019 10:41:19 AM	10.6	50.3	2.5	36.6	52.9	52.8	26.18	26.33	-0.03	-0.03	-19.07
GEW-129	12/6/2019 11:42:15 AM	27.9	50.0	0.5	21.6	121.1	121.3	21.37	21.74	-5.74	-5.74	-20.55
GEW-129	12/23/2019 10:32:12 AM	29.6	49.3	0.3	20.8	140.9	140.6	20.61	20.55	-4.62	-4.63	-18.73
GEW-129	12/23/2019 10:33:11 AM	28.3	50.3	0.3	21.1	140.7	140.9	21.01	21.26	-4.67	-4.68	-19.07
GEW-130	12/6/2019 10:12:53 AM	21.5	47.4	0.0	31.1	153.7	153.3	8.52	8.64	-17.22	-17.22	-20.80
GEW-130	12/6/2019 10:14:14 AM	21.4	46.9	0.0	31.7	153.8	153.3	8.50	8.35	-17.64	-17.64	-20.85
GEW-130	12/17/2019 11:12:21 AM	20.9	48.4	0.0	30.7	157.7	156.9	8.00	9.81	-15.53	-15.53	-18.99
GEW-130	12/17/2019 11:13:23 AM	21.0	47.3	0.0	31.7	157.3	158.1	7.51	8.23	-15.87	-15.87	-19.03
GEW-131	12/6/2019 10:18:28 AM	44.2	45.2	0.0	10.6	111.9	111.0	3.55	4.15	-11.82	-11.82	-20.63
GEW-131	12/23/2019 10:22:34 AM	43.1	45.2	0.0	11.7	129.4	129.4	4.67	4.79	-9.58	-9.58	-18.94
GEW-132	12/11/2019 10:00:28 AM	14.6	28.8	2.9	53.7	117.6	118.6	4.74	5.54	-1.59	-1.60	-18.99
GEW-132	12/20/2019 10:26:43 AM	15.0	31.1	2.2	51.7	127.3	127.2	4.52	4.77	-1.40	-1.40	-18.99
GEW-133	12/4/2019 8:54:31 AM	10.3	38.8	0.0	50.9	69.5	69.5	18.43	14.95	-5.07	-5.07	-20.09
GEW-133	12/10/2019 1:54:49 PM	9.1	40.7	0.0	50.2	123.9	123.9	16.77	11.29	-3.53	-3.52	-18.79
GEW-133	12/18/2019 10:21:16 AM	8.5	36.4	0.0	55.1	92.4	92.4	16.10	16.18	-4.61	-4.60	-19.08
GEW-133	12/26/2019 8:11:45 AM	9.5	43.7	0.0	46.8	128.9	128.9	14.80	14.01	-3.07	-3.04	-19.76
GEW-134	12/9/2019 9:32:37 AM	9.9	43.5	0.1	46.5	63.3	63.3	0.76	2.22	-0.16	-0.16	-18.69
GEW-134	12/18/2019 11:32:43 AM	9.0	39.5	2.4	49.1	73.2	73.2	2.98	3.62	-0.34	-0.33	-19.21
GEW-135	12/9/2019 9:08:47 AM	6.0	51.3	0.0	42.7	107.7	108.7	28.78	29.15	-1.24	-1.26	-16.24
GEW-135	12/18/2019 11:27:09 AM	3.6	52.3	0.9	43.2	109.0	109.0	32.19	28.83	-1.33	-1.46	-18.20
GEW-137	12/10/2019 8:50:10 AM	35.5	40.2	0.0	24.3	29.7	29.7	5.24	4.91	-0.58	-0.57	-19.96
GEW-137	12/20/2019 10:23:37 AM	36.1	43.1	0.0	20.8	65.1	65.1	2.88	2.62	-3.10	-3.10	-19.28
GEW-138	12/10/2019 8:55:37 AM	3.5	14.0	8.2	74.3	28.6	28.6	1.00	2.38	-0.01	-0.01	-19.62
GEW-138	12/10/2019 8:56:28 AM	3.5	13.9	8.2	74.4	28.4	28.3	2.08	1.63	-0.01	-0.01	-20.30
GEW-138	12/13/2019 2:25:18 PM	14.9	32.3	0.6	52.2	59.7	59.8	2.99	2.44	-0.07	-0.07	-18.87
GEW-138	12/18/2019 8:35:21 AM	5.7	16.3	5.9	72.1	34.2	34.4	2.45	2.45	-0.11	-0.11	-19.75
GEW-138	12/18/2019 8:36:53 AM	5.8	14.4	6.0	73.8	34.1	33.9	0.70	1.66	-0.10	-0.10	-19.92
GEW-139	12/6/2019 10:43:08 AM	5.7	56.6	0.1	37.6	139.6	134.7	3.14	2.59	-2.05	-2.06	-20.80
GEW-139	12/6/2019 10:44:28 AM	5.7	56.5	0.0	37.8	141.5	139.6	2.95	1.81	-2.14	-2.14	-20.63
GEW-139	12/17/2019 11:08:25 AM	4.9	55.1	0.2	39.8	126.7	127.2	1.33	2.53	-1.07	-1.07	-18.73
GEW-140	12/6/2019 10:38:30 AM	17.4	41.6	0.0	41.0	115.8	115.8	7.86	6.66	-5.74	-5.74	-20.97
GEW-140	12/23/2019 11:28:51 AM	21.0	40.6	0.1	38.3	137.1	136.8	12.75	13.74	-4.35	-4.36	-19.37
GEW-140	12/23/2019 11:29:46 AM	21.0	39.9	0.0	39.1	137.4	137.4	12.88	13.37	-4.36	-4.37	-19.07
GEW-145	12/3/2019 10:51:23 AM	21.7	49.8	0.0	28.5	49.4	49.4	4.43	4.26	-2.72	-2.71	-18.52

December 2019 Wellfield Monitoring Data - Bridgeton Landfill

Well Name	Date Sampled	Methane	CO ₂	O ₂	Balance Gas	Init Temp	Adj Temp	Init Flow	Adj Flow	Init Static Press	Adj Static Press	System Pressure
		(% vol)				°F		scfm		H ₂ O		
GEW-145	12/20/2019 8:35:55 AM	23.8	47.3	0.2	28.7	43.0	43.1	3.74	3.07	-5.32	-5.32	-20.08
GEW-147	12/9/2019 8:30:05 AM	15.5	43.1	3.5	37.9	141.5	141.5	23.09	23.05	-3.44	-3.44	-18.27
GEW-147	12/9/2019 8:32:18 AM	16.0	42.0	3.6	38.4	138.3	138.7	22.71	23.02	-3.08	-3.08	-18.69
GEW-147	12/17/2019 1:48:07 PM	14.9	39.2	4.6	41.3	150.8	150.5	85.31	81.22	-13.93	-13.93	-18.48
GEW-147	12/17/2019 1:50:40 PM	15.6	42.0	3.6	38.8	153.3	154.4	5.56	5.91	-1.65	-1.65	-18.31
GEW-148	12/6/2019 3:08:51 PM	17.3	53.9	0.0	28.8	151.3	151.0	4.96	9.25	-10.47	-10.47	-18.94
GEW-148	12/6/2019 3:09:55 PM	17.3	53.0	0.0	29.7	150.2	150.6	7.34	6.37	-10.47	-10.47	-18.65
GEW-148	12/17/2019 1:32:57 PM	21.7	52.0	0.0	26.3	116.0	117.6	4.67	7.20	-13.38	-13.38	-18.31
GEW-149	12/2/2019 11:01:26 AM	6.3	18.9	7.9	66.9	68.4	68.5	11.40	12.18	-0.62	-0.62	-18.90
GEW-149	12/2/2019 11:03:51 AM	6.4	18.6	7.9	67.1	68.7	68.6	11.70	10.95	-0.55	-0.55	-18.77
GEW-149	12/16/2019 9:35:00 AM	6.7	18.6	8.0	66.7	81.2	81.2	11.51	11.80	-0.65	-0.64	-20.08
GEW-149	12/16/2019 9:36:03 AM	6.7	18.1	8.0	67.2	76.9	76.8	6.53	7.23	-0.50	-0.51	-20.00
GEW-149	12/23/2019 2:45:08 PM	9.6	19.7	4.9	65.8	105.7	105.7	5.34	6.60	-0.29	-0.28	-18.91
GEW-150	12/3/2019 2:03:07 PM	32.6	46.4	0.3	20.7	154.4	147.0	4.58	6.72	-0.67	-0.68	-19.03
GEW-150	12/3/2019 2:04:18 PM	32.0	45.9	0.2	21.9	154.4	149.9	3.07	3.10	-0.67	-0.67	-18.94
GEW-150	12/17/2019 8:43:17 AM	31.9	45.2	0.7	22.2	116.9	116.9	3.52	2.77	-1.16	-1.15	-19.45
GEW-151	12/2/2019 1:49:31 PM	8.9	38.7	3.6	48.8	57.3	57.5	1.72	2.72	-0.52	-0.52	-17.84
GEW-151	12/19/2019 1:50:38 PM	9.9	36.5	4.5	49.1	87.0	87.5	0.77	2.69	-0.31	-0.30	-18.18
GEW-152	12/3/2019 8:48:36 AM	20.0	51.4	0.0	28.6	77.5	77.7	1.17	3.31	-1.59	-1.60	-18.27
GEW-152	12/19/2019 2:11:00 PM	20.1	48.8	0.1	31.0	94.1		1.64	NR	-1.94	NR	-17.72
GEW-153	12/3/2019 8:32:43 AM	27.3	29.9	0.0	42.8	82.1	82.1	1.63	3.82	-4.36	-4.36	-18.14
GEW-153	12/19/2019 2:00:57 PM	25.5	31.7	0.0	42.8	92.7	92.7	4.15	4.00	-4.66	-4.65	-18.48
GEW-156	12/3/2019 8:24:34 AM	32.5	42.0	0.0	25.5	86.5	86.5	3.19	3.74	-9.37	-9.37	-18.27
GEW-156	12/19/2019 2:55:04 PM	30.4	44.1	0.0	25.5	124.7	124.7	5.43	4.78	-9.16	-9.16	-18.05
GEW-157	12/3/2019 2:19:51 PM	35.2	45.6	0.0	19.2	72.8	72.7	4.50	5.57	-7.77	-7.77	-17.34
GEW-157	12/19/2019 2:51:47 PM	37.9	45.6	0.2	16.3	75.5	75.3	2.95	5.47	-9.16	-9.16	-17.46
GEW-158	12/3/2019 9:13:37 AM	25.0	48.1	0.0	26.9	75.7	75.7	4.84	2.35	-1.48	-1.48	-18.27
GEW-158	12/19/2019 2:24:40 PM	22.5	47.2	0.0	30.3	92.2	91.9	2.68	2.43	-1.47	-1.48	-17.93
GEW-159	12/5/2019 2:19:31 PM	30.4	34.2	3.6	31.8	102.1	101.9	7.51	6.91	-5.99	-5.99	-18.69
GEW-159	12/9/2019 3:02:28 PM	29.6	34.5	4.7	31.2	78.9	78.7	5.03	4.32	-5.07	-5.07	-18.99
GEW-159	12/9/2019 3:07:45 PM	30.6	32.6	4.7	32.1	80.3	80.3	5.75	6.30	-5.32	-5.32	-19.11
GEW-159	12/19/2019 10:29:54 AM	30.8	34.8	4.4	30.0	72.5	72.5	4.89	6.77	-4.88	-4.88	-19.28
GEW-159	12/26/2019 3:17:33 PM	31.8	35.3	4.5	28.4	96.1	96.2	6.18	7.57	-3.92	-3.92	-18.79
GEW-160	12/5/2019 10:28:19 AM	16.3	34.2	4.5	45.0	89.6	89.6	5.43	5.07	-9.84	-9.84	-18.65
GEW-160	12/9/2019 10:50:06 AM	15.7	33.9	5.3	45.1	72.6	72.7	3.95	2.49	-8.06	-8.06	-19.03
GEW-160	12/9/2019 10:55:51 AM	16.3	34.3	4.9	44.5	73.9	73.9	4.72	2.48	-8.06	-8.06	-19.24
GEW-160	12/19/2019 8:23:25 AM	14.9	33.3	5.1	46.7	65.8	66.0	10.40	10.40	-8.65	-8.65	-20.08
GEW-160	12/19/2019 8:24:27 AM	15.1	33.6	5.2	46.1	64.0	64.0	3.64	5.08	-7.77	-7.77	-20.21
GEW-160	12/26/2019 3:08:06 PM	15.4	35.3	4.9	44.4	92.8	92.9	4.22	1.13	-6.68	-6.68	-18.20
GEW-161	12/5/2019 10:08:17 AM	2.3	53.6	0.4	43.7	99.7	100.4	5.30	3.06	-3.33	-3.34	-18.94

December 2019 Wellfield Monitoring Data - Bridgeton Landfill

Well Name	Date Sampled	Methane	CO ₂	O ₂	Balance Gas	Init Temp	Adj Temp	Init Flow	Adj Flow	Init Static Press	Adj Static Press	System Pressure
		(% vol)				°F		scfm		H ₂ O		
GEW-161	12/5/2019 10:24:17 AM	2.3	54.2	0.0	43.5	104.5	104.8	3.23	3.41	-3.41	-3.40	-18.90
GEW-161	12/9/2019 10:46:29 AM	2.0	56.0	0.0	42.0	81.4	81.5	2.13	3.15	-2.48	-2.49	-18.99
GEW-161	12/19/2019 8:19:43 AM	4.3	53.3	0.0	42.4	65.1	65.2	1.88	1.46	-3.37	-3.38	-19.96
GEW-161	12/26/2019 2:57:35 PM	2.0	58.4	0.0	39.6	106.9	106.9	3.85	5.44	-2.79	-2.81	-18.24
GEW-162	12/5/2019 9:45:26 AM	14.1	60.3	0.0	25.6	69.3	69.0	2.97	2.92	-3.11	-3.11	-19.62
GEW-162	12/5/2019 9:51:40 AM	14.1	59.2	0.0	26.7	67.7	67.7	3.84	3.65	-3.16	-3.16	-18.99
GEW-162	12/9/2019 10:43:24 AM	15.6	62.2	0.0	22.2	60.6	60.6	4.72	4.24	-2.89	-2.90	-19.03
GEW-162	12/19/2019 8:16:44 AM	16.2	59.5	0.0	24.3	42.1	42.2	0.88	2.64	-3.03	-3.04	-20.30
GEW-162	12/26/2019 2:52:42 PM	14.4	68.2	0.0	17.4	80.6	80.6	5.21	4.03	-2.89	-2.85	-18.74
GEW-163	12/11/2019 10:27:08 AM	25.8	52.7	0.1	21.4	145.9	146.3	6.90	5.97	-5.40	-5.40	-18.90
GEW-163	12/11/2019 10:28:22 AM	26.0	52.5	0.1	21.4	146.3	146.0	1.54	0.77	-5.40	-5.40	-18.90
GEW-163	12/17/2019 3:03:21 PM	24.7	48.4	0.2	26.7	137.4	137.7	5.83	10.33	-5.36	-5.36	-18.35
GEW-163	12/17/2019 3:04:23 PM	24.6	48.6	0.2	26.6	137.7	137.7	2.98	4.59	-5.32	-5.32	-18.73
GEW-164	12/11/2019 10:37:10 AM	31.7	49.1	0.0	19.2	147.7	147.3	19.84	21.61	-0.65	-0.65	-17.93
GEW-164	12/11/2019 10:40:22 AM	32.5	48.0	0.0	19.5	148.0	148.4	26.70	25.88	-0.92	-0.92	-18.65
GEW-164	12/17/2019 3:07:31 PM	30.4	47.4	0.0	22.2	150.6	150.2	24.04	25.62	-0.89	-0.88	-17.34
GEW-164	12/17/2019 3:08:23 PM	30.6	47.3	0.0	22.1	150.6	150.6	27.85	22.76	-0.90	-0.90	-17.51
GEW-165	12/4/2019 8:57:15 AM	17.6	48.7	3.5	30.2	149.1	148.4	9.80	10.40	-0.39	-0.38	-19.66
GEW-165	12/4/2019 8:58:46 AM	17.1	49.2	3.5	30.2	148.4	148.4	13.45	13.22	-0.40	-0.40	-19.58
GEW-165	12/17/2019 10:21:39 AM	17.3	42.2	5.4	35.1	143.8	143.4	14.33	11.21	-0.40	-0.40	-19.24
GEW-165	12/17/2019 10:22:44 AM	16.9	42.6	5.4	35.1	143.1	142.9	5.46	5.21	-0.41	-0.42	-19.41
GEW-165	12/30/2019 10:45:01 AM	17.7	45.0	4.9	32.4	142.5	142.5	11.71	11.71	-0.37	-0.37	-19.88
GEW-165	12/30/2019 10:46:10 AM	17.4	46.1	4.8	31.7	142.5	142.9	11.16	9.33	-0.40	-0.43	-20.01
GEW-166	12/4/2019 8:46:30 AM	3.0	57.3	0.0	39.7	182.7	180.9	19.15	16.16	-3.11	-3.11	-19.53
GEW-166	12/4/2019 8:48:08 AM	2.7	58.8	0.0	38.5	184.5	183.9	28.16	23.79	-7.64	-7.64	-19.79
GEW-166	12/17/2019 10:27:10 AM	7.4	56.3	0.0	36.3	173.6	173.3	22.36	20.96	-10.81	-10.81	-19.28
GEW-166	12/17/2019 10:28:32 AM	7.4	56.4	0.0	36.2	173.6	173.1	20.84	23.56	-11.10	-11.10	-19.11
GEW-167	12/11/2019 11:13:46 AM	9.8	47.8	0.0	42.4	145.9	145.6	2.51	3.24	-7.09	-7.05	-19.07
GEW-167	12/11/2019 11:14:43 AM	9.4	48.8	0.0	41.8	145.9	145.9	3.07	1.02	-7.09	-7.09	-19.03
GEW-167	12/17/2019 3:19:57 PM	9.2	48.4	0.0	42.4	146.3	146.3	1.63	2.18	-6.37	-6.37	-18.65
GEW-167	12/17/2019 3:20:49 PM	9.0	48.5	0.0	42.5	145.9	145.6	2.62	2.19	-6.33	-6.33	-18.39
GEW-168	12/6/2019 10:03:57 AM	31.3	51.9	0.7	16.1	128.6	128.5	5.04	5.05	-3.76	-3.75	-20.38
GEW-168	12/23/2019 10:09:32 AM	31.3	52.3	0.4	16.0	133.5	133.5	4.34	5.61	-2.63	-2.63	-18.90
GEW-168	12/23/2019 10:10:32 AM	31.6	51.5	0.4	16.5	133.8	133.5	5.60	7.52	-2.63	-2.63	-18.82
GEW-169	12/6/2019 9:59:48 AM	9.7	45.3	3.5	41.5	91.7	91.5	10.51	7.18	-0.09	-0.09	-20.97
GEW-169	12/23/2019 10:06:21 AM	11.5	50.3	0.9	37.3	117.6	117.6	9.35	9.35	-0.03	-0.03	-18.99
GEW-170	12/6/2019 9:48:44 AM	12.5	40.0	5.7	41.8	124.2	123.9	8.49	8.87	-0.55	-0.55	-20.59
GEW-170	12/6/2019 9:49:57 AM	12.4	40.6	5.6	41.4	124.2	124.2	7.24	8.10	-0.58	-0.59	-20.55
GEW-170	12/13/2019 8:15:51 AM	10.0	53.6	1.6	34.8	129.0	128.9	5.11	6.76	-0.20	-0.20	-19.63
GEW-170	12/17/2019 10:44:57 AM	11.5	45.1	4.3	39.1	122.6	122.9	6.57	7.06	-0.30	-0.30	-18.90

December 2019 Wellfield Monitoring Data - Bridgeton Landfill

Well Name	Date Sampled	Methane	CO ₂	O ₂	Balance Gas	Init Temp	Adj Temp	Init Flow	Adj Flow	Init Static Press	Adj Static Press	System Pressure
		(% vol)				°F		scfm		H ₂ O		
GEW-171	12/6/2019 10:54:11 AM	19.4	52.2	1.9	26.5	43.4	43.4	4.11	4.29	-4.54	-4.52	-13.87
GEW-171	12/23/2019 11:24:25 AM	14.4	50.7	2.7	32.2	66.0	66.1	2.38	2.38	-2.89	-2.88	-10.82
GEW-172	12/6/2019 11:14:27 AM	19.5	45.6	1.8	33.1	147.1	146.3	3.43	2.42	-7.09	-7.09	-12.64
GEW-172	12/6/2019 11:15:33 AM	19.4	46.9	1.8	31.9	146.3	146.6	4.85	4.03	-7.09	-7.09	-13.95
GEW-172	12/17/2019 11:39:53 AM	18.7	47.5	1.7	32.1	145.9	146.3	1.64	3.82	-5.07	-5.07	-9.81
GEW-172	12/17/2019 11:40:54 AM	18.2	47.0	1.5	33.3	147.0	147.5	4.53	2.93	-5.07	-5.07	-10.02
GEW-174	12/6/2019 10:34:33 AM	15.7	37.8	0.0	46.5	121.0	121.5	17.57	13.05	-2.47	-2.46	-20.30
GEW-174	12/23/2019 11:17:46 AM	18.7	42.4	0.0	38.9	129.5	129.2	7.60	7.21	-1.42	-1.42	-17.04
GEW-175	12/3/2019 11:29:58 AM	25.1	37.9	3.4	33.6	145.6	145.4	34.07	33.07	-0.17	-0.17	-18.27
GEW-175	12/3/2019 11:31:06 AM	24.6	38.2	3.4	33.8	145.2	145.3	34.92	34.36	-0.17	-0.18	-18.39
GEW-175	12/17/2019 8:38:29 AM	23.8	36.0	4.4	35.8	143.6	144.2	36.15	33.68	-0.20	-0.21	-17.25
GEW-175	12/17/2019 8:39:20 AM	23.8	35.5	4.4	36.3	144.0	144.5	35.95	33.54	-0.20	-0.20	-17.59
GEW-176	12/3/2019 11:41:53 AM	29.8	32.5	4.2	33.5	51.6	51.6	3.90	4.09	-0.06	-0.06	-18.18
GEW-176	12/19/2019 2:38:22 PM	30.4	29.5	5.1	35.0	84.9	60.0	2.18	2.73	-0.11	-0.11	-17.93
GEW-176	12/19/2019 2:40:58 PM	30.4	29.6	5.0	35.0	61.8	102.1	0.90	2.58	-0.11	-0.11	-17.97
GEW-177	12/6/2019 11:46:01 AM	11.8	51.1	0.1	37.0	170.5	170.5	3.93	7.86	-18.24	-18.24	-20.55
GEW-177	12/6/2019 11:47:01 AM	10.8	50.5	0.1	38.6	170.5	170.5	13.98	8.06	-18.57	-18.57	-20.63
GEW-177	12/17/2019 10:57:21 AM	10.9	50.6	0.0	38.5	169.5	169.0	12.38	9.53	-16.88	-16.88	-19.11
GEW-177	12/17/2019 10:58:58 AM	10.8	50.5	0.0	38.7	169.5	170.0	8.96	7.19	-16.88	-16.88	-18.99
GEW-178	12/3/2019 11:21:22 AM	25.8	32.0	4.7	37.5	69.8	69.8	7.12	6.72	-1.03	-1.03	-18.52
GEW-178	12/20/2019 8:15:33 AM	24.2	26.5	6.3	43.0	74.3	74.5	9.83	11.45	-1.56	-1.57	-20.34
GEW-178	12/20/2019 8:16:57 AM	24.0	27.2	5.9	42.9	73.6	73.4	6.96	7.44	-1.01	-1.00	-20.51
GEW-179	12/3/2019 11:01:55 AM	39.1	54.9	0.0	6.0	64.7	64.7	1.70	4.49	-0.36	-0.36	-18.35
GEW-179	12/20/2019 8:32:03 AM	38.8	51.0	0.0	10.2	67.9	68.0	1.75	2.63	-0.46	-0.46	-19.96
GEW-180	12/6/2019 1:49:32 PM	30.5	53.2	0.5	15.8	81.4	81.5	11.72	12.20	-8.19	-8.19	-19.75
GEW-180	12/23/2019 2:17:18 PM	30.6	55.8	0.6	13.0	99.9	100.1	13.85	12.60	-6.88	-6.88	-18.27
GEW-181	12/6/2019 2:03:04 PM	28.7	61.1	0.0	10.2	79.6	79.6	12.37	10.70	-12.83	-12.83	-20.80
GEW-181	12/23/2019 2:13:30 PM	27.8	61.4	0.0	10.8	102.8	102.8	14.07	12.82	-9.84	-9.84	-18.48
GEW-185	12/4/2019 8:39:40 AM	30.8	47.5	0.0	21.7	115.1	115.0	12.92	10.14	-0.89	-0.85	-20.26
GEW-185	12/4/2019 8:41:21 AM	29.8	48.8	0.0	21.4	122.6	122.6	6.77	4.20	-1.73	-1.74	-20.47
GEW-185	12/10/2019 3:18:42 PM	28.7	45.9	0.8	24.6	126.4	126.3	6.09	5.70	-1.33	-1.33	-19.29
GEW-185	12/10/2019 3:20:26 PM	27.7	47.3	0.7	24.3	131.4	131.4	6.49	3.37	-2.05	-2.07	-19.04
GEW-185	12/10/2019 3:21:45 PM	27.4	47.4	0.7	24.5	132.3	132.3	6.90	8.11	-2.06	-2.05	-18.83
GEW-185	12/17/2019 2:52:45 PM	29.9	45.8	0.7	23.6	129.4	129.4	3.54	3.44	-1.44	-1.42	-18.65
GEW-186	12/6/2019 9:42:51 AM	16.3	18.8	11.9	53.0	68.8	68.8	3.95	2.38	-0.14	-0.14	-20.47
GEW-186	12/6/2019 9:44:40 AM	16.1	19.6	11.8	52.5	64.5	64.5	1.70	2.40	-0.10	-0.10	-20.55
GEW-186	12/13/2019 1:52:10 PM	40.6	48.6	0.3	10.5	82.4	82.4	3.87	3.09	-0.11	-0.12	-18.41
GEW-186	12/17/2019 10:47:54 AM	16.5	26.2	10.7	46.6	80.0	80.8	4.44	3.58	-0.12	-0.12	-18.99
GEW-186	12/17/2019 10:48:56 AM	17.2	25.1	10.8	46.9	80.5	80.5	3.77	2.96	-0.12	-0.12	-18.94
GEW-187	12/5/2019 2:27:28 PM	41.3	53.1	0.0	5.6	120.7	121.0	5.93	6.67	-1.98	-1.98	-17.93

December 2019 Wellfield Monitoring Data - Bridgeton Landfill

Well Name	Date Sampled	Methane	CO ₂	O ₂	Balance Gas	Init Temp	Adj Temp	Init Flow	Adj Flow	Init Static Press	Adj Static Press	System Pressure
		(% vol)				°F		scfm		H ₂ O		
GEW-187	12/9/2019 3:21:13 PM	39.0	53.8	0.0	7.2	113.4	113.7	6.65	5.24	-2.10	-2.10	-19.15
GEW-187	12/9/2019 3:26:39 PM	39.2	52.4	0.0	8.4	113.0	113.0	6.19	7.74	-2.10	-2.10	-19.53
GEW-187	12/19/2019 10:36:28 AM	40.0	52.4	0.0	7.6	108.7	109.0	6.93	7.60	-2.11	-2.11	-19.24
GEW-187	12/26/2019 3:24:09 PM	39.3	55.6	0.0	5.1	120.4	120.2	8.56	9.28	-2.05	-2.03	-18.79
GEW-217	12/3/2019 2:28:16 PM	14.9	51.6	0.0	33.5	93.0	93.1	10.32	7.58	-16.55	-16.55	-18.27
GEW-217	12/20/2019 8:42:34 AM	12.7	56.3	0.0	31.0	186.4	183.9	2.58	1.72	-5.02	-5.02	-18.31
GEW-217	12/20/2019 8:44:08 AM	12.2	56.6	0.0	31.2	185.1	185.7	1.31	2.39	-5.02	-5.02	-18.27
GEW-218	12/3/2019 10:38:53 AM	20.1	37.4	2.5	40.0	107.3	107.3	12.35	12.79	-0.89	-0.88	-18.22
GEW-218	12/20/2019 8:38:51 AM	16.3	36.4	3.9	43.4	109.7	110.2	12.73	12.67	-1.02	-1.01	-20.13
GEW-219	12/3/2019 2:36:17 PM	4.5	22.6	8.3	64.6	169.0	169.0	7.58	7.47	-0.13	-0.14	-18.14
GEW-219	12/3/2019 2:37:32 PM	4.4	22.6	8.4	64.6	166.6	165.2	1.74	3.49	-0.08	-0.09	-18.39
GEW-219	12/13/2019 2:02:48 PM	3.9	23.4	10.2	62.5	175.3	175.3	4.11	5.18	-0.05	-0.05	-18.37
GEW-219	12/13/2019 3:04:06 PM	3.5	37.5	5.3	53.7	147.7	148.0	3.30	4.89	-0.01	-0.01	-18.37
GEW-219	12/16/2019 9:33:54 AM	1.8	34.3	9.9	54.0	174.9	175.3	4.99	2.82	-0.01	-0.01	-20.22
GEW-219	12/16/2019 9:35:04 AM	1.8	33.5	10.0	54.7	174.7	176.0	3.99	3.45	-0.02	-0.02	-20.35
GEW-220	12/3/2019 10:44:41 AM	18.9	41.4	3.3	36.4	157.7	156.0	11.01	10.95	-1.17	-1.17	-17.76
GEW-220	12/3/2019 10:46:16 AM	18.5	41.8	3.3	36.4	158.1	157.9	10.94	10.95	-1.05	-1.06	-18.52
GEW-220	12/17/2019 9:21:53 AM	8.0	54.6	0.6	36.8	181.6	182.1	8.53	8.75	-0.27	-0.28	-19.41
GEW-220	12/17/2019 9:23:22 AM	7.8	53.8	0.5	37.9	181.9	181.5	9.21	9.18	-0.27	-0.28	-19.03
GEW-221	12/6/2019 2:21:39 PM	25.1	53.8	0.0	21.1	73.2	73.3	1.79	4.15	-5.74	-5.74	-20.00
GEW-221	12/23/2019 11:13:30 AM	22.0	52.3	0.2	25.5	96.2	96.3	3.37	3.18	-3.36	-3.36	-16.03
GEW-222	12/6/2019 10:49:03 AM	29.8	49.7	0.0	20.5	104.4	104.5	2.68	3.94	-8.53	-8.53	-20.80
GEW-222	12/23/2019 11:21:08 AM	38.3	44.3	0.0	17.4	104.8	104.8	5.26	3.10	-7.22	-7.22	-19.58
GEW-223	12/6/2019 11:10:48 AM	24.2	57.1	0.2	18.5	97.7	97.7	6.25	6.05	-2.66	-2.66	-19.41
GEW-223	12/23/2019 10:45:24 AM	22.7	59.0	0.0	18.3	129.4	129.7	4.39	1.66	-2.37	-2.37	-19.87
GEW-224	12/6/2019 11:24:33 AM	28.4	58.2	0.0	13.4	170.0	169.9	11.62	11.46	-13.17	-13.17	-18.10
GEW-224	12/6/2019 11:25:35 AM	27.8	58.5	0.0	13.7	169.8	170.0	11.87	10.26	-13.17	-13.17	-18.99
GEW-224	12/17/2019 11:03:07 AM	28.0	58.8	0.0	13.2	171.0	170.5	11.27	11.36	-11.48	-11.48	-15.77
GEW-224	12/17/2019 11:04:07 AM	28.5	57.1	0.0	14.4	170.5	171.0	10.93	10.02	-11.40	-11.40	-15.77
GEW-225	12/6/2019 11:21:06 AM	22.3	46.0	2.2	29.5	112.5	112.4	5.38	5.49	-9.12	-9.12	-21.10
GEW-225	12/27/2019 11:30:55 AM	0.4	58.7	0.4	40.5	123.3	126.4	4.02	4.03	-1.06	-1.05	-19.53
GEW-226	12/6/2019 10:23:33 AM	9.0	39.4	0.0	51.6	179.2	178.0	12.11	12.31	-1.75	-1.77	-20.93
GEW-226	12/6/2019 10:24:27 AM	8.5	39.9	0.0	51.6	179.2	178.2	12.11	12.94	-1.80	-1.80	-21.18
GEW-226	12/17/2019 11:29:12 AM	8.0	41.0	0.0	51.0	183.9	183.3	12.86	12.86	-1.16	-1.16	-19.32
GEW-226	12/17/2019 11:30:04 AM	7.6	41.3	0.0	51.1	183.9	183.9	12.49	12.14	-1.18	-1.18	-19.15
GEW-227	12/9/2019 9:12:31 AM	6.1	52.7	0.2	41.0	198.3	198.6	8.34	8.56	0.03	0.03	-19.03
GEW-227	12/9/2019 9:14:15 AM	6.1	53.2	0.2	40.5	198.6	198.7	11.23	11.19	-0.02	-0.02	-18.69
GEW-227	12/17/2019 2:25:56 PM	9.8	36.9	4.1	49.2	188.3	188.3	12.35	11.76	-0.46	-0.47	-17.97
GEW-227	12/17/2019 2:27:36 PM	9.1	37.5	4.0	49.4	188.3	188.3	16.36	15.62	-0.41	-0.40	-18.31
GEW-228	12/2/2019 9:47:39 AM	3.7	19.4	11.0	65.9	151.8	151.7	12.54	12.55	-0.49	-0.50	-19.11

December 2019 Wellfield Monitoring Data - Bridgeton Landfill

Well Name	Date Sampled	Methane	CO ₂	O ₂	Balance Gas	Init Temp	Adj Temp	Init Flow	Adj Flow	Init Static Press	Adj Static Press	System Pressure
		(% vol)				°F		scfm		H ₂ O		
GEW-228	12/2/2019 9:49:07 AM	3.7	19.5	11.1	65.7	152.5	152.6	10.78	9.78	-0.22	-0.22	-18.94
GEW-228	12/13/2019 8:56:10 AM	5.7	38.1	2.3	53.9	196.4	196.4	5.95	6.62	0.05	0.05	-19.59
GEW-228	12/13/2019 8:58:11 AM	5.2	40.7	2.3	51.8	197.2	197.2	8.01	8.13	-0.02	-0.02	-19.76
GEW-228	12/16/2019 8:32:19 AM	4.8	24.2	5.7	65.3	188.9	188.4	8.83	8.66	-0.07	-0.07	-19.53
GEW-228	12/16/2019 8:33:31 AM	4.6	23.3	5.7	66.4	188.9	188.9	10.51	10.28	-0.08	-0.07	-19.62
GEW-229	12/11/2019 11:20:10 AM	1.4	14.8	9.2	74.6	95.3	95.3	7.95	7.36	-0.01	-0.02	-18.65
GEW-229	12/11/2019 11:21:11 AM	1.4	13.5	9.4	75.7	95.2	95.0	7.18	8.43	-0.03	-0.03	-18.99
GEW-229	12/13/2019 9:03:47 AM	2.5	17.6	7.3	72.6	103.3	103.4	9.48	5.28	-0.04	-0.04	-19.84
GEW-229	12/13/2019 1:41:35 PM	7.8	21.1	4.5	66.6	102.5	102.4	3.90	3.90	-0.01	-0.01	-18.91
GEW-229	12/18/2019 8:16:44 AM	1.3	10.7	6.4	81.6	70.0	70.0	3.08	4.86	-0.05	-0.05	-19.20
GEW-229	12/18/2019 8:17:38 AM	1.2	12.2	6.3	80.3	70.0	70.1	3.89	4.24	-0.05	-0.06	-19.83
GEW-230	12/2/2019 1:38:07 PM	2.5	13.4	13.5	70.6	163.0	163.3	6.64	7.51	-0.04	-0.04	-18.05
GEW-230	12/2/2019 1:39:09 PM	2.3	13.7	13.5	70.5	163.3	162.9	6.63	5.82	-0.07	-0.07	-18.27
GEW-230	12/12/2019 11:10:19 AM	3.3	15.3	12.2	69.2	159.6	159.1	6.80	6.88	-0.08	-0.08	-19.07
GEW-230	12/12/2019 1:46:30 PM	6.0	21.6	8.5	63.9	156.0	155.8	6.62	6.24	-0.08	-0.08	-18.90
GEW-230	12/13/2019 8:58:19 AM	3.3	13.3	14.0	69.4	144.2	144.2	7.29	9.22	-0.14	-0.13	-19.58
GEW-230	12/13/2019 9:36:22 AM	3.4	13.8	12.4	70.4	149.1	148.7	7.30	10.57	-0.15	-0.15	-19.70
GEW-230	12/13/2019 3:03:02 PM	6.4	25.7	7.3	60.6	167.6	167.1	8.59	7.32	-0.08	-0.08	-18.27
GEW-230	12/16/2019 9:16:28 AM	1.1	15.2	13.2	70.5	159.4	159.0	7.05	7.34	-0.05	-0.05	-19.96
GEW-230	12/16/2019 9:17:18 AM	1.1	13.6	13.4	71.9	159.4	159.0	6.67	6.43	-0.06	-0.05	-20.00
GEW-231	12/6/2019 11:37:24 AM	10.7	26.6	11.0	51.7	118.9	119.4	6.16	6.44	-0.04	-0.04	-21.06
GEW-231	12/6/2019 11:38:13 AM	10.3	26.1	11.1	52.5	118.6	118.4	6.35	5.11	-0.05	-0.05	-20.80
GEW-231	12/17/2019 10:52:23 AM	10.2	25.4	11.6	52.8	108.2	108.5	5.92	6.32	-0.07	-0.07	-19.24
GEW-231	12/17/2019 10:53:31 AM	10.1	25.7	11.6	52.6	109.7	110.0	6.68	7.29	-0.07	-0.07	-19.20
GEW-232	12/6/2019 3:13:38 PM	30.1	53.6	0.7	15.6	79.8	79.9	3.23	2.51	-0.70	-0.70	-18.77
GEW-232	12/20/2019 10:04:15 AM	31.1	50.9	0.3	17.7	71.6	72.0	2.10	2.41	-0.65	-0.66	-19.41
GEW-233	12/9/2019 9:19:55 AM	0.8	44.6	2.4	52.2	54.7	54.6	1.97	1.67	-18.49	-18.49	-18.60
GEW-233	12/18/2019 11:29:21 AM	4.8	57.6	0.0	37.6	48.2	48.2	4.24	6.36	-2.62	-2.61	-19.59
GEW-234	12/11/2019 10:09:31 AM	8.5	33.6	3.7	54.2	190.2	190.2	12.57	12.49	-1.31	-1.32	-19.49
GEW-234	12/11/2019 10:10:28 AM	8.6	32.4	3.8	55.2	190.2	190.2	12.27	11.68	-1.28	-1.28	-19.66
GEW-234	12/18/2019 8:47:01 AM	5.5	29.6	7.5	57.4	191.7	191.3	10.56	11.04	-0.93	-0.93	-20.25
GEW-234	12/18/2019 8:49:45 AM	5.1	28.6	7.8	58.5	190.2	190.9	10.56	10.55	-0.91	-0.91	-20.08
GEW-235	12/11/2019 10:23:23 AM	22.0	51.6	0.0	26.4	123.7	124.0	3.03	4.28	-3.44	-3.45	-18.99
GEW-235	12/20/2019 10:32:35 AM	20.7	50.8	0.0	28.5	128.6	128.6	4.77	2.16	-3.44	-3.44	-19.03
GEW-236	12/10/2019 8:43:49 AM	3.0	22.8	11.0	63.2	195.0	195.0	5.98	6.14	-1.08	-1.09	-17.72
GEW-236	12/10/2019 8:46:16 AM	3.0	21.8	11.1	64.1	195.0	195.0	6.34	6.49	-0.98	-0.99	-16.58
GEW-236	12/12/2019 8:47:12 AM	2.1	21.3	11.2	65.4	195.7	195.7	18.76	18.76	-1.34	-1.32	-15.05
GEW-236	12/12/2019 10:35:00 AM	2.5	22.8	10.4	64.3	193.7	194.3	4.20	2.15	-0.13	-0.12	-19.37
GEW-236	12/12/2019 2:45:23 PM	2.6	51.3	0.0	46.1	201.6	201.7	3.94	3.84	-0.06	-0.06	-18.69
GEW-236	12/13/2019 8:31:42 AM	1.4	49.3	0.1	49.2	204.7	204.7	5.05	4.17	0.26	0.25	-18.56

December 2019 Wellfield Monitoring Data - Bridgeton Landfill

Well Name	Date Sampled	Methane	CO ₂	O ₂	Balance Gas	Init Temp	Adj Temp	Init Flow	Adj Flow	Init Static Press	Adj Static Press	System Pressure
		(% vol)				°F		scfm		H ₂ O		
GEW-236	12/13/2019 9:27:33 AM	1.5	52.2	0.0	46.3	204.7	204.7	4.49	3.96	0.11	0.11	-18.14
GEW-236	12/13/2019 3:16:41 PM	1.7	51.2	0.0	47.1	204.7	204.7	7.59	7.51	-0.10	-0.11	-17.89
GEW-236	12/18/2019 8:23:24 AM	2.9	35.6	5.7	55.8	202.5	202.7	5.18	5.29	-0.38	-0.39	-19.79
GEW-236	12/18/2019 8:25:29 AM	2.9	36.0	5.6	55.5	202.4	202.5	5.15	4.59	-0.31	-0.32	-19.53
GEW-237	12/3/2019 11:35:22 AM	24.7	38.1	3.7	33.5	143.6	143.5	18.35	18.35	-0.45	-0.45	-17.34
GEW-237	12/3/2019 11:38:22 AM	24.6	37.9	3.7	33.8	143.6	143.2	21.67	19.75	-1.35	-1.35	-18.10
GEW-237	12/12/2019 2:41:13 PM	23.5	38.1	4.3	34.1	146.6	146.6	22.44	21.27	-1.18	-1.21	-17.31
GEW-237	12/12/2019 2:46:00 PM	23.5	38.6	4.2	33.7	147.3	147.4	17.48	17.48	-0.43	-0.43	-18.74
GEW-237	12/17/2019 9:08:26 AM	22.5	35.6	5.6	36.3	142.5	142.5	18.92	18.63	-0.46	-0.46	-17.72
GEW-237	12/17/2019 9:09:52 AM	22.2	35.1	5.7	37.0	142.5	142.2	17.54	18.25	-0.40	-0.40	-18.14
GEW-237	12/23/2019 2:50:45 PM	23.1	38.8	4.3	33.8	148.0	148.1	18.83	14.19	-0.37	-0.38	-17.65
GEW-237	12/23/2019 2:52:00 PM	23.3	39.0	4.3	33.4	147.9	148.0	15.41	17.89	-0.37	-0.35	-17.86
GEW-237	12/30/2019 10:17:59 AM	28.5	36.9	4.0	30.6	144.9	144.9	15.10	18.99	-0.33	-0.28	-20.47
GEW-237	12/30/2019 10:19:05 AM	27.4	39.3	3.8	29.5	144.5	144.5	15.58	14.13	-0.33	-0.30	-20.60
GEW-238	12/9/2019 8:44:22 AM	5.3	64.5	0.0	30.2	200.8	200.1	10.10	10.57	0.03	0.03	-19.07
GEW-238	12/9/2019 8:45:53 AM	5.1	63.8	0.0	31.1	200.8	200.8	13.58	13.38	-0.11	-0.11	-18.86
GEW-238	12/17/2019 1:58:45 PM	13.7	60.5	0.0	25.8	187.6	187.0	12.38	12.97	-1.14	-1.14	-18.01
GEW-238	12/17/2019 1:59:49 PM	13.8	59.1	0.0	27.1	187.6	187.6	12.94	12.94	-1.12	-1.12	-18.31
GEW-239	12/2/2019 10:03:27 AM	0.1	8.7	17.9	73.3	84.6	84.9	2.15	2.44	-0.52	-0.52	-18.60
GEW-239	12/2/2019 10:04:20 AM	0.1	8.3	18.0	73.6	85.0	85.0	1.81	1.81	-0.58	-0.58	-18.69
GEW-239	12/11/2019 3:00:37 PM	0.1	6.0	17.5	76.4	106.0	106.2	0.25	1.14	-0.56	-0.56	-18.27
GEW-239	12/11/2019 3:08:57 PM	0.1	5.0	17.9	77.0	105.5	105.2	1.59	1.95	-0.54	-0.54	-18.31
GEW-239	12/11/2019 3:17:33 PM	0.1	5.8	17.7	76.4	107.5	107.4	1.94	2.73	-0.55	-0.55	-18.60
GEW-239	12/13/2019 2:37:59 PM	1.2	55.1	0.0	43.7	147.7	147.7	5.43	5.14	0.08	0.08	-18.27
GEW-239	12/13/2019 2:42:00 PM	1.2	57.0	0.0	41.8	184.5	185.4	2.79	2.59	-0.04	-0.04	-18.44
GEW-239	12/16/2019 9:24:16 AM	1.2	55.4	0.0	43.4	190.2	190.2	2.58	2.58	0.02	0.02	-19.96
GEW-239	12/16/2019 9:25:50 AM	1.2	56.1	0.0	42.7	192.3	192.3	1.38	1.95	-0.03	-0.03	-20.30
GEW-239	12/30/2019 10:24:11 AM	1.2	57.1	0.0	41.7	182.1	182.3	27.71	25.82	-1.00	-0.88	-20.18
GEW-239	12/30/2019 10:25:17 AM	1.1	58.9	0.0	40.0	182.1	181.5	27.87	22.57	-1.25	-0.91	-20.22
GEW-240	12/6/2019 10:29:02 AM	12.8	28.8	4.3	54.1	154.0	154.0	5.69	5.87	-1.98	-1.97	-20.59
GEW-240	12/6/2019 10:30:17 AM	13.1	28.0	4.3	54.6	150.2	150.2	4.12	5.35	-1.66	-1.66	-20.72
GEW-240	12/17/2019 11:50:17 AM	7.2	21.3	7.7	63.8	142.2	140.9	5.28	6.31	-0.50	-0.50	-18.82
GEW-240	12/17/2019 11:51:51 AM	7.5	19.1	7.9	65.5	139.0	138.7	3.25	4.52	-0.40	-0.41	-18.52
GEW-240	12/30/2019 10:35:45 AM	4.4	21.6	6.4	67.6	123.5	123.7	7.04	5.54	-0.21	-0.22	-20.09
GEW-240	12/30/2019 10:37:36 AM	4.5	20.8	6.5	68.2	107.8	108.0	5.23	1.12	-0.09	-0.08	-20.30
GEW-2S	12/6/2019 2:12:40 PM	61.7	30.0	1.3	7.0	52.9	52.8	13.53	8.46	-4.12	-4.09	-13.14
GEW-2S	12/10/2019 1:36:01 PM	53.0	34.9	0.9	11.2	53.7	53.7	10.99	8.03	-1.20	-1.11	-12.93
GEW-2S	12/10/2019 1:42:32 PM	55.6	35.1	0.1	9.2	54.2	54.2	7.51	11.70	-1.05	-1.20	-13.14
GEW-2S	12/17/2019 11:25:33 AM	58.4	36.3	0.0	5.3	52.6	52.6	7.53	2.85	-0.56	-0.53	-13.23
GEW-2S	12/17/2019 11:26:40 AM	58.6	35.9	0.0	5.5	53.1	53.1	17.53	11.01	-0.68	-0.70	-12.85

December 2019 Wellfield Monitoring Data - Bridgeton Landfill

Well Name	Date Sampled	Methane	CO ₂	O ₂	Balance Gas	Init Temp	Adj Temp	Init Flow	Adj Flow	Init Static Press	Adj Static Press	System Pressure
		(% vol)				°F		scfm		H ₂ O		
GEW-2S	12/23/2019 11:15:56 AM	56.9	37.9	0.0	5.2	65.8	65.9	10.88	13.47	-0.62	-0.76	-12.89
GEW-2S	12/23/2019 11:21:51 AM	58.2	36.2	0.0	5.6	66.1	66.1	6.88	10.88	-0.74	-0.72	-12.89
GIW-01	12/5/2019 10:51:42 AM	14.8	57.5	1.1	26.6	101.1	101.3	2.10	0.79	-0.27	-0.26	-18.52
GIW-01	12/9/2019 11:10:09 AM	15.2	62.0	0.3	22.5	89.1	83.4	2.41	2.12	-0.21	-0.21	-18.69
GIW-01	12/9/2019 11:15:49 AM	15.6	59.1	0.5	24.8	88.4	86.3	1.78	1.36	-0.21	-0.20	-18.27
GIW-01	12/19/2019 8:32:49 AM	14.3	59.9	0.0	25.8	66.8	66.9	3.69	1.89	-0.25	-0.25	-19.75
GIW-01	12/26/2019 2:45:49 PM	12.6	56.0	2.6	28.8	102.3	102.2	3.74	5.04	-0.30	-0.29	-18.96
GIW-02	12/5/2019 10:55:10 AM	2.9	24.7	6.9	65.5	68.7	68.8	2.53	1.88	-0.28	-0.28	-18.44
GIW-02	12/5/2019 10:56:01 AM	2.8	24.2	7.0	66.0	70.0	70.1	1.88	1.88	-0.28	-0.28	-18.44
GIW-02	12/9/2019 11:19:20 AM	2.9	35.9	6.0	55.2	57.5	57.5	2.55	1.89	-0.23	-0.22	-18.39
GIW-02	12/9/2019 11:24:40 AM	3.3	34.0	6.0	56.7	57.7	57.7	2.24	1.89	-0.22	-0.22	-18.52
GIW-02	12/19/2019 8:35:46 AM	5.0	55.1	1.5	38.4	43.1	43.1	2.94	2.34	-0.26	-0.26	-20.13
GIW-02	12/26/2019 2:48:33 PM	2.3	31.0	6.8	59.9	76.4	76.4	1.18	1.67	-0.28	-0.27	-18.49
GIW-02	12/26/2019 2:49:52 PM	2.2	30.4	6.9	60.5	77.5	77.5	1.18	1.67	-0.28	-0.28	-18.66
GIW-03	12/5/2019 10:59:21 AM	20.1	46.0	0.0	33.9	65.3	65.3	3.81	3.81	-8.06	-8.06	-18.44
GIW-03	12/9/2019 11:28:12 AM	22.1	46.6	0.1	31.2	57.7	57.8	1.85	2.20	-7.72	-7.72	-18.27
GIW-03	12/9/2019 11:33:48 AM	22.8	45.5	0.0	31.7	57.5	57.5	2.20	1.85	-7.72	-7.72	-18.35
GIW-03	12/19/2019 8:38:51 AM	17.8	48.3	0.0	33.9	42.5	42.5	0.87	1.50	-8.57	-8.57	-19.92
GIW-03	12/26/2019 2:55:15 PM	17.5	51.2	0.0	31.3	74.8	74.8	2.59	2.59	-8.71	-8.71	-18.87
GIW-04	12/5/2019 11:03:27 AM	16.2	46.9	1.7	35.2	69.9	70.0	5.58	3.81	-4.86	-4.86	-18.35
GIW-04	12/9/2019 11:37:33 AM	18.1	47.6	1.7	32.6	57.0	57.0	2.53	2.23	-4.25	-4.25	-18.60
GIW-04	12/9/2019 11:43:37 AM	19.0	50.9	0.5	29.6	57.0	57.0	2.23	2.23	-4.29	-4.29	-18.65
GIW-04	12/19/2019 8:41:35 AM	13.3	51.7	0.0	35.0	41.5	41.6	3.18	2.33	-3.78	-3.78	-20.04
GIW-04	12/26/2019 3:00:22 PM	16.3	54.2	0.5	29.0	79.8	79.8	3.66	4.01	-5.33	-5.33	-17.82
GIW-05	12/5/2019 11:07:36 AM	0.1	1.2	21.0	77.7	65.1	65.1	3.40	3.40	-3.36	-3.35	-18.60
GIW-05	12/5/2019 11:08:38 AM	0.4	0.8	20.8	78.0	65.7	65.7	5.19	5.19	-3.43	-3.42	-18.90
GIW-05	12/9/2019 1:40:12 PM	0.1	0.0	20.7	79.2	55.4	55.4	4.90	4.90	-3.29	-3.29	-18.86
GIW-05	12/9/2019 1:47:12 PM	0.6	0.2	20.3	78.9	55.1	55.1	4.90	4.90	-3.37	-3.37	-18.60
GIW-05	12/19/2019 8:46:38 AM	0.1	3.4	20.7	75.8	39.2	39.3	0.00	0.00	-3.26	-3.26	-19.87
GIW-05	12/19/2019 8:47:31 AM	0.3	2.5	20.4	76.8	39.8	39.8	0.00	0.00	-3.34	-3.34	-19.62
GIW-05	12/26/2019 3:11:13 PM	0.3	1.1	20.9	77.7	68.4	68.5	3.94	3.94	-2.58	-2.58	-18.20
GIW-05	12/26/2019 3:12:35 PM	0.7	0.9	20.4	78.0	69.7	69.8	7.88	7.37	-2.63	-2.63	-18.74
GIW-06	12/5/2019 11:12:31 AM	23.7	37.7	0.0	38.6	70.9	71.1	5.02	2.67	-17.52	-17.52	-17.97
GIW-06	12/9/2019 1:51:05 PM	31.2	36.2	0.2	32.4	55.4	55.5	3.88	2.85	-18.49	-18.49	-18.94
GIW-06	12/9/2019 1:56:38 PM	30.7	37.5	0.1	31.7	55.3	55.3	4.04	3.70	-18.49	-18.49	-18.94
GIW-06	12/19/2019 8:50:52 AM	29.1	35.7	1.1	34.1	38.1	38.2	3.94	4.47	-16.00	-16.00	-19.96
GIW-06	12/26/2019 3:15:28 PM	32.6	41.8	0.0	25.6	77.3	77.5	5.97	6.86	-17.89	-17.93	-18.49
GIW-07	12/5/2019 11:15:26 AM	50.4	42.0	0.9	6.7	73.6	73.6	3.98	3.80	-2.68	-2.67	-17.80
GIW-07	12/9/2019 1:59:54 PM	50.7	41.8	0.9	6.6	56.0	56.0	4.39	4.04	-2.14	-2.14	-18.94
GIW-07	12/9/2019 2:04:44 PM	53.4	42.8	0.3	3.5	55.8	55.8	4.04	4.56	-2.22	-2.21	-18.60

December 2019 Wellfield Monitoring Data - Bridgeton Landfill

Well Name	Date Sampled	Methane	CO ₂	O ₂	Balance Gas	Init Temp	Adj Temp	Init Flow	Adj Flow	Init Static Press	Adj Static Press	System Pressure
		(% vol)				°F		scfm		H ₂ O		
GIW-07	12/19/2019 8:53:18 AM	53.6	42.7	0.0	3.7	43.1	43.1	5.07	4.75	-2.06	-2.05	-19.62
GIW-07	12/26/2019 3:27:09 PM	52.6	46.7	0.0	0.7	75.8	75.9	4.25	4.41	-1.81	-1.81	-18.20
GIW-08	12/5/2019 11:17:56 AM	44.5	42.1	0.0	13.4	69.3	69.3	1.87	4.35	-2.82	-2.81	-17.97
GIW-08	12/9/2019 2:07:48 PM	48.2	42.9	0.0	8.9	56.0	56.0	2.96	2.73	-2.91	-2.91	-18.52
GIW-08	12/9/2019 2:13:03 PM	48.4	43.4	0.0	8.2	55.7	55.7	2.12	4.39	-2.98	-2.98	-18.69
GIW-08	12/19/2019 8:55:52 AM	46.7	41.9	0.0	11.4	43.9	44.1	3.17	1.96	-2.98	-2.98	-19.79
GIW-08	12/26/2019 3:29:33 PM	46.2	44.5	0.0	9.3	70.7	70.7	3.36	3.14	-2.71	-2.70	-18.11
GIW-09	12/5/2019 11:24:30 AM	10.8	33.2	1.7	54.3	69.3	69.4	2.52	2.52	-1.73	-1.72	-17.93
GIW-09	12/9/2019 2:17:09 PM	14.7	32.1	2.0	51.2	55.5	55.5	2.13	2.13	-1.87	-1.87	-18.94
GIW-09	12/9/2019 2:22:20 PM	15.8	34.2	0.8	49.2	55.5	55.5	2.45	2.74	-1.88	-1.86	-18.77
GIW-09	12/19/2019 8:58:14 AM	17.1	33.7	1.8	47.4	41.9	42.1	1.53	2.34	-1.76	-1.76	-19.87
GIW-09	12/26/2019 3:31:52 PM	17.3	36.8	0.9	45.0	72.3	72.3	3.14	3.36	-1.42	-1.43	-18.32
GIW-10	12/5/2019 2:05:01 PM	20.4	32.7	0.0	46.9	69.6	69.6	1.12	2.08	-3.89	-3.88	-18.69
GIW-10	12/9/2019 2:26:53 PM	18.0	33.2	0.0	48.8	55.5	55.5	1.24	2.08	-4.18	-4.18	-18.73
GIW-10	12/9/2019 2:31:40 PM	18.3	32.5	0.0	49.2	55.4	55.4	1.24	1.24	-4.30	-4.30	-19.03
GIW-10	12/19/2019 10:18:20 AM	18.1	31.7	0.0	50.2	48.8	49.0	3.78	3.36	-4.12	-4.12	-18.60
GIW-10	12/26/2019 2:42:13 PM	18.4	32.8	0.0	48.8	75.7	75.7	1.66	1.17	-3.94	-3.93	-18.49
GIW-11	12/5/2019 2:07:34 PM	21.6	32.6	0.7	45.1	69.6	69.8	2.02	2.80	-2.19	-2.20	-13.07
GIW-11	12/9/2019 2:35:14 PM	20.6	32.5	0.8	46.1	55.2	55.4	1.74	2.12	-2.35	-2.35	-13.19
GIW-11	12/9/2019 2:40:49 PM	20.7	31.8	0.9	46.6	55.2	55.2	4.03	2.71	-2.50	-2.51	-13.66
GIW-11	12/19/2019 10:21:04 AM	21.1	31.5	0.9	46.5	48.8	48.8	4.53	3.80	-2.38	-2.38	-14.29
GIW-11	12/26/2019 2:39:45 PM	20.5	32.8	0.6	46.1	77.3	77.5	7.14	4.98	-2.21	-2.24	-13.40
GIW-12	12/5/2019 2:10:17 PM	30.4	36.4	1.6	31.6	70.3	70.4	3.55	1.13	-0.31	-0.31	-16.62
GIW-12	12/9/2019 2:44:13 PM	29.1	34.9	2.3	33.7	54.9	55.0	2.14	2.75	-0.39	-0.39	-18.35
GIW-12	12/9/2019 2:49:47 PM	29.2	34.4	2.4	34.0	54.7	54.7	3.68	3.25	-0.40	-0.39	-16.87
GIW-12	12/19/2019 10:23:42 AM	29.5	34.4	2.1	34.0	48.9	49.0	3.39	1.96	-0.31	-0.31	-17.25
GIW-12	12/26/2019 2:34:55 PM	28.1	35.9	2.1	33.9	73.0	73.0	1.19	1.19	-0.33	-0.32	-17.82
GIW-13	12/5/2019 2:12:58 PM	34.3	48.0	0.0	17.7	69.4	69.4	1.64	1.64	-0.60	-0.59	-7.06
GIW-13	12/9/2019 2:53:03 PM	33.3	49.2	0.0	17.5	54.9	54.9	3.47	3.47	-0.84	-0.84	-8.12
GIW-13	12/9/2019 2:57:57 PM	33.0	48.5	0.0	18.5	54.7	54.7	3.88	3.25	-0.85	-0.85	-8.58
GIW-13	12/19/2019 10:26:16 AM	36.0	47.8	0.0	16.2	48.4	48.5	3.61	2.90	-0.72	-0.71	-8.84
GIW-13	12/26/2019 2:32:48 PM	34.7	48.0	0.0	17.3	72.2	72.3	3.36	3.15	-0.70	-0.70	-6.70
LCS-1D	12/2/2019 3:00:21 PM	56.0	40.4	0.4	3.2	55.5	55.4	2.98	2.62	-2.76	-2.75	-12.52
LCS-1D	12/19/2019 10:59:07 AM	53.0	36.7	1.6	8.7	54.2	53.9	3.74	3.93	-4.86	-4.85	-13.87
LCS-2D	12/6/2019 2:07:09 PM	55.1	42.1	0.0	2.8	48.2	48.2	2.55	1.37	-19.59	-19.59	-20.08
LCS-2D	12/23/2019 11:00:53 AM	49.8	42.7	0.9	6.6	66.8	67.6	3.23	2.71	-18.74	-18.74	-18.94
LCS-3D	12/3/2019 11:13:14 AM	28.7	62.1	0.0	9.2	138.0	138.3	17.53	14.70	-11.73	-11.73	-14.38
LCS-3D	12/3/2019 11:15:26 AM	28.6	62.3	0.0	9.1	138.1	138.3	14.27	14.52	-11.61	-11.61	-12.18
LCS-3D	12/17/2019 8:28:29 AM	30.3	59.2	0.0	10.5	140.1	140.2	7.03	2.15	-11.82	-11.82	-14.12
LCS-3D	12/17/2019 8:30:04 AM	30.4	59.5	0.0	10.1	140.6	140.6	17.05	14.72	-11.82	-11.82	-15.90

December 2019 Wellfield Monitoring Data - Bridgeton Landfill

Well Name	Date Sampled	Methane	CO ₂	O ₂	Balance Gas	Init Temp	Adj Temp	Init Flow	Adj Flow	Init Static Press	Adj Static Press	System Pressure
		(% vol)				°F		scfm		H ₂ O		
LCS-4B	12/10/2019 8:38:59 AM	15.6	61.9	0.1	22.4	26.9	26.9	5.87	6.25	-19.04	-19.00	-19.96
LCS-4B	12/20/2019 10:20:41 AM	17.0	59.2	0.2	23.6	52.5	52.6	3.92	3.35	-18.87	-18.87	-19.28
LCS-5A	12/5/2019 10:46:53 AM	56.5	41.8	0.0	1.7	83.4	83.5	18.10	18.12	-10.49	-10.15	-12.43
LCS-5A	12/9/2019 11:14:51 AM	56.7	42.3	0.0	1.0	78.4	78.5	7.70	15.66	-10.49	-10.15	-12.89
LCS-5A	12/17/2019 9:37:53 AM	58.3	40.9	0.0	0.8	75.9	75.7	20.66	16.65	-10.49	-10.49	-11.88
LCS-5A	12/23/2019 10:08:57 AM	56.5	42.6	0.0	0.9	83.5	83.2	14.52	13.75	-10.66	-10.70	-12.59
LCS-5B	12/5/2019 10:58:16 AM	54.5	42.5	0.0	3.0	133.8	133.4	11.30	17.95	-11.16	-11.21	-13.23
LCS-5B	12/5/2019 10:59:27 AM	54.4	42.4	0.0	3.2	132.9	132.9	19.12	16.57	-11.21	-11.08	-12.97
LCS-5B	12/9/2019 2:09:38 PM	55.3	40.5	0.0	4.2	125.3	125.8	7.90	13.69	-11.84	-11.50	-13.31
LCS-5B	12/17/2019 9:57:42 AM	55.1	42.6	0.0	2.3	122.9	123.4	16.06	11.22	-11.63	-11.50	-13.18
LCS-5B	12/23/2019 10:19:43 AM	54.5	43.4	0.0	2.1	135.5	134.9	16.06	16.06	-12.60	-12.60	-13.14
LCS-5B	12/23/2019 10:21:02 AM	54.8	43.0	0.0	2.2	135.0	135.2	17.89	22.27	-11.75	-11.33	-13.14
LCS-6B	12/6/2019 10:32:05 AM	55.9	41.0	0.0	3.1	47.6	47.6	8.36	8.36	-1.31	-1.32	-13.31
LCS-6B	12/11/2019 9:08:03 AM	56.2	41.0	0.0	2.8	45.5	45.7	6.65	7.87	-0.45	-0.46	-13.48
LCS-6B	12/17/2019 11:38:56 AM	55.1	41.1	0.0	3.8	50.0	50.2	14.45	14.75	-0.23	-0.22	-12.85
LCS-6B	12/23/2019 11:40:48 AM	55.1	43.2	0.0	1.7	65.6	66.1	2.87	6.41	0.68	0.68	-13.02
LCS-6B	12/23/2019 11:42:42 AM	54.7	43.9	0.0	1.4	68.2	68.3	4.93	2.85	-0.57	-0.58	-12.89
SEW-002	12/6/2019 11:50:36 AM	21.6	42.9	5.7	29.8	44.7	44.7	4.20	4.19	-0.16	-0.16	-20.59
SEW-002	12/6/2019 11:51:36 AM	21.9	42.4	5.7	30.0	44.9	44.9	4.19	2.97	-0.14	-0.14	-20.30
SEW-002	12/17/2019 11:16:15 AM	27.0	52.8	1.1	19.1	52.4	52.5	9.93	7.48	-0.06	-0.05	-18.39
SEW-003	12/6/2019 2:59:57 PM	2.1	31.8	7.8	58.3	62.8	62.9	8.81	8.97	-0.11	-0.11	-18.90
SEW-003	12/6/2019 3:00:49 PM	2.0	31.7	7.9	58.4	63.3	63.3	8.02	6.96	-0.09	-0.10	-18.90
SEW-003	12/17/2019 1:35:43 PM	2.4	36.4	6.6	54.6	65.1	65.2	7.44	9.02	-0.12	-0.11	-18.44
SEW-003	12/17/2019 1:37:04 PM	2.0	36.5	6.6	54.9	65.5	65.5	7.44	8.69	-0.12	-0.12	-18.56
T-56	12/6/2019 10:54:55 AM	44.2	37.9	0.4	17.5	50.7	50.7	15.64	12.44	-0.05	-0.05	-13.48
T-56	12/11/2019 10:26:32 AM	46.9	35.7	0.0	17.4	48.2	48.3	8.59	4.96	-0.03	-0.03	-13.40
T-56	12/17/2019 2:20:22 PM	49.1	35.8	0.0	15.1	46.9	47.0	10.72	13.10	-0.01	-0.01	-13.65
T-56	12/23/2019 1:54:03 PM	56.8	36.8	0.0	6.4	53.6	53.4	12.49	9.55	-0.03	-0.03	-13.86

ATTACHMENT D-2

MAXIMUM WELLHEAD TEMPERATURE TABLE

Wellfield Temperature - Bridgeton Landfill

Well Name					Temp Trend	Comments
	September 2019	October 2019	November 2019	December 2019	><30°F	
GEW-002	115.3	114.3	112.5	112.2		
GEW-003	120.0	117.3	111.7	113.7		
GEW-004	117.0	113.5	111.5	111.0		
GEW-005	94.8	89.3	84.0	84.4		
GEW-006	89.6	86.9	85.8	85.1		
GEW-007	102.5	95.8	91.4	90.8		
GEW-008	116.6	114.6	112.0	112.2		
GEW-009	124.7	123.4	121.8	121.6		
GEW-010	103.0	103.5	91.5	92.9		
GEW-013A	194.3	194.3	193.0	193.6		
GEW-015	128.4	135.3	102.8	95.4		
GEW-016R	174.3	172.6	171.0	169.5		
GEW-018B	203.2	190.2	195.6	202.4		
GEW-019A	87.0	89.4	63.3	42.7		
GEW-039	109.2	109.7	105.3	106.5		
GEW-040	108.7	85.9	58.7	54.7		
GEW-041R	107.5	100.2	89.6	76.6		
GEW-042R	110.8	107.8	103.9	103.0		
GEW-043R	119.4	118.4	116.6	115.8		
GEW-044	106.1	101.6	89.7	69.1		
GEW-045R	106.4	99.4	92.2	91.0		
GEW-046R	100.8	96.7	89.6	88.9		
GEW-047R	113.2	111.2	100.8	103.8		
GEW-048	101.3	99.1	97.9	97.0		
GEW-049	110.8	106.5	97.9	83.2		
GEW-050	107.7	105.0	100.8	100.6		
GEW-051	124.9	121.8	115.6	120.3		
GEW-052	114.5	111.7	106.7	105.7		
GEW-053	144.9	143.2	142.2	142.3		
GEW-054	147.0	147.0	146.6	146.3		
GEW-055	136.5	133.2	130.0	128.9		
GEW-056R	111.0	113.2	91.2	95.5		
GEW-057B	124.7	180.3	179.7	170.5		
GEW-058A	129.7	128.9	108.0	90.3		
GEW-059R	143.9	143.2	121.5	121.9		
GEW-067A	198.7	203.1	196.4	195.0		
GEW-068A	196.4	197.2	197.2	196.6		
GEW-078R	158.5	156.5	154.0	147.5		
GEW-082R	188.3	177.2	176.9	172.6		

Wellfield Temperature - Bridgeton Landfill

Well Name					Temp Trend	Comments
	September 2019	October 2019	November 2019	December 2019	><30°F	
GEW-086	187.0	182.7	184.5	190.2		
GEW-087	191.7	190.2	192.4	187.6		
GEW-088	182.7	181.5	187.6	180.9		
GEW-090	196.4	203.1	203.1	194.3		
GEW-091	101.8	118.1	194.3	193.6		
GEW-100	90.5	74.1	70.5	76.6		
GEW-101	97.2	65.9	79.9	67.7		
GEW-102	81.2	86.1	60.4	48.2		
GEW-104	180.3	179.7	151.3	137.6		
GEW-105	111.3	139.2	140.2	132.3		
GEW-106	167.0	170.6	171.6	169.5		
GEW-107	155.2	150.8	135.5	146.2		
GEW-108	183.4	176.9	174.2	185.1		
GEW-109	111.5	113.1	91.8	104.3		
GEW-110	114.5	116.0	94.1	94.6		
GEW-113	148.4	168.5	168.1	170.4		
GEW-116	173.6	169.5	169.3	165.2		
GEW-117	172.1	173.6	171.0	167.6		
GEW-118	196.4	194.3	202.3	193.6		
GEW-120	105.2	118.4	93.6	122.5		
GEW-121	167.6	156.5	152.1	150.6		
GEW-122	122.9	106.9	109.6	97.9		
GEW-123	135.3	90.1	90.6	69.1		
GEW-124	109.2	77.9	77.3	63.4		
GEW-125	99.9	78.8	78.6	57.3		
GEW-126	105.0	54.4	61.0	61.6		
GEW-127	145.9	129.2	108.3	81.6		
GEW-128	129.4	99.1	--	--		Temporarily decommissioned
GEW-129	144.6	139.3	134.4	140.9		
GEW-130	164.3	165.7	160.5	158.1		
GEW-131	144.5	122.5	126.0	129.4		
GEW-132	142.5	134.1	130.6	127.3		
GEW-133	156.9	162.9	141.5	128.9		
GEW-134	130.3	114.0	82.1	73.2		
GEW-135	138.0	133.2	111.0	109.0		
GEW-137	109.5	92.7	72.5	65.1		
GEW-138	108.7	85.6	63.5	59.8		
GEW-139	172.4	160.3	156.4	141.5		

Wellfield Temperature - Bridgeton Landfill

Well Name					Temp Trend	Comments
	September 2019	October 2019	November 2019	December 2019	><30°F	
GEW-140	190.9	130.4	172.6	137.4		
GEW-144	99.6	87.5	--	--		Temporarily decommissioned
GEW-145	84.9	90.6	49.6	49.4		
GEW-147	183.9	178.0	147.7	154.4		
GEW-148	157.6	153.3	148.9	151.3		
GEW-149	119.2	107.2	87.9	105.7		
GEW-150	180.3	183.3	186.4	154.4		
GEW-151	140.6	112.2	67.8	87.5		
GEW-152	128.6	133.4	97.7	94.1		
GEW-153	109.5	106.3	93.8	92.7		
GEW-154	--	--	--	--		Temporarily decommissioned
GEW-155	105.5	86.1	58.5	--		Temporarily decommissioned
GEW-156	117.3	126.4	92.2	124.7		
GEW-157	127.8	113.5	90.7	75.5		
GEW-158	126.4	109.3	100.1	92.2		
GEW-159	98.2	104.8	95.8	102.1		
GEW-160	98.4	94.2	96.3	92.9		
GEW-161	116.1	114.5	112.0	106.9		
GEW-162	110.2	111.9	75.9	80.6		
GEW-163	166.1	153.7	154.4	146.3		
GEW-164	149.9	148.4	146.0	150.6		
GEW-165	163.8	159.0	149.5	149.1		
GEW-166	184.5	175.8	182.1	184.5		
GEW-167	161.6	156.9	148.1	146.3		
GEW-168	148.0	136.5	133.5	133.8		
GEW-169	161.1	127.2	135.6	117.6		
GEW-170	162.0	156.9	135.8	129.0		
GEW-171	101.8	67.2	76.2	66.1		
GEW-172	170.5	164.3	157.3	147.5		
GEW-173	--	--	--	--		Temporarily decommissioned
GEW-174	141.2	130.3	129.8	129.5		
GEW-175	151.3	158.5	154.0	145.6		
GEW-176	102.5	80.0	64.7	102.1		
GEW-177	176.9	179.2	175.3	170.5		
GEW-178	91.5	92.4	77.8	74.5		
GEW-179	109.7	109.7	95.8	68.0		

Wellfield Temperature - Bridgeton Landfill

Well Name					Temp Trend	Comments
	September 2019	October 2019	November 2019	December 2019	><30°F	
GEW-180	114.0	94.8	98.4	100.1		
GEW-181	110.6	102.8	103.3	102.8		
GEW-182	128.4	98.4	--	--		Temporarily decommissioned
GEW-184	88.9	96.1	--	--		Temporarily decommissioned
GEW-185	117.4	118.9	121.0	132.3		
GEW-186	114.9	110.2	97.3	82.4		
GEW-187	140.9	139.3	117.1	121.0		
GEW-188	130.0	96.2	--	--		Temporarily decommissioned
GEW-217	128.0	119.4	95.7	186.4		
GEW-218	126.9	132.3	121.5	110.2		
GEW-219	188.9	183.3	172.1	176.0		
GEW-220	197.9	194.3	182.1	182.1		
GEW-221	119.4	108.0	100.5	96.3		
GEW-222	98.0	165.7	178.6	104.8		
GEW-223	166.1	155.6	162.0	129.7		
GEW-224	178.0	183.3	176.9	171.0		
GEW-225	187.0	180.9	185.1	126.4		
GEW-226	193.6	187.6	188.3	183.9		
GEW-227	194.3	177.0	202.3	198.7		
GEW-228	192.3	200.0	189.6	197.2		
GEW-229	138.0	112.2	104.5	103.4		
GEW-230	188.9	169.0	185.7	167.6		
GEW-231	148.4	135.3	129.3	119.4		
GEW-232	125.8	160.7	136.2	79.9		
GEW-233	139.0	175.4	150.6	54.7		
GEW-234	187.0	201.6	191.6	191.7		
GEW-235	137.7	139.3	143.2	128.6		
GEW-236	203.1	204.7	204.7	204.7		
GEW-237	146.6	164.0	161.1	148.1		
GEW-238	196.4	197.9	197.0	200.8		
GEW-239	204.7	205.4	185.1	192.3		
GEW-240	197.8	198.6	197.2	154.0		
GEW-2S	94.6	81.0	67.5	66.1		
GIW-01	156.5	154.4	107.7	102.3		
GIW-02	106.5	110.8	76.4	77.5		
GIW-03	86.6	102.3	70.6	74.8		
GIW-04	87.7	106.7	75.8	79.8		

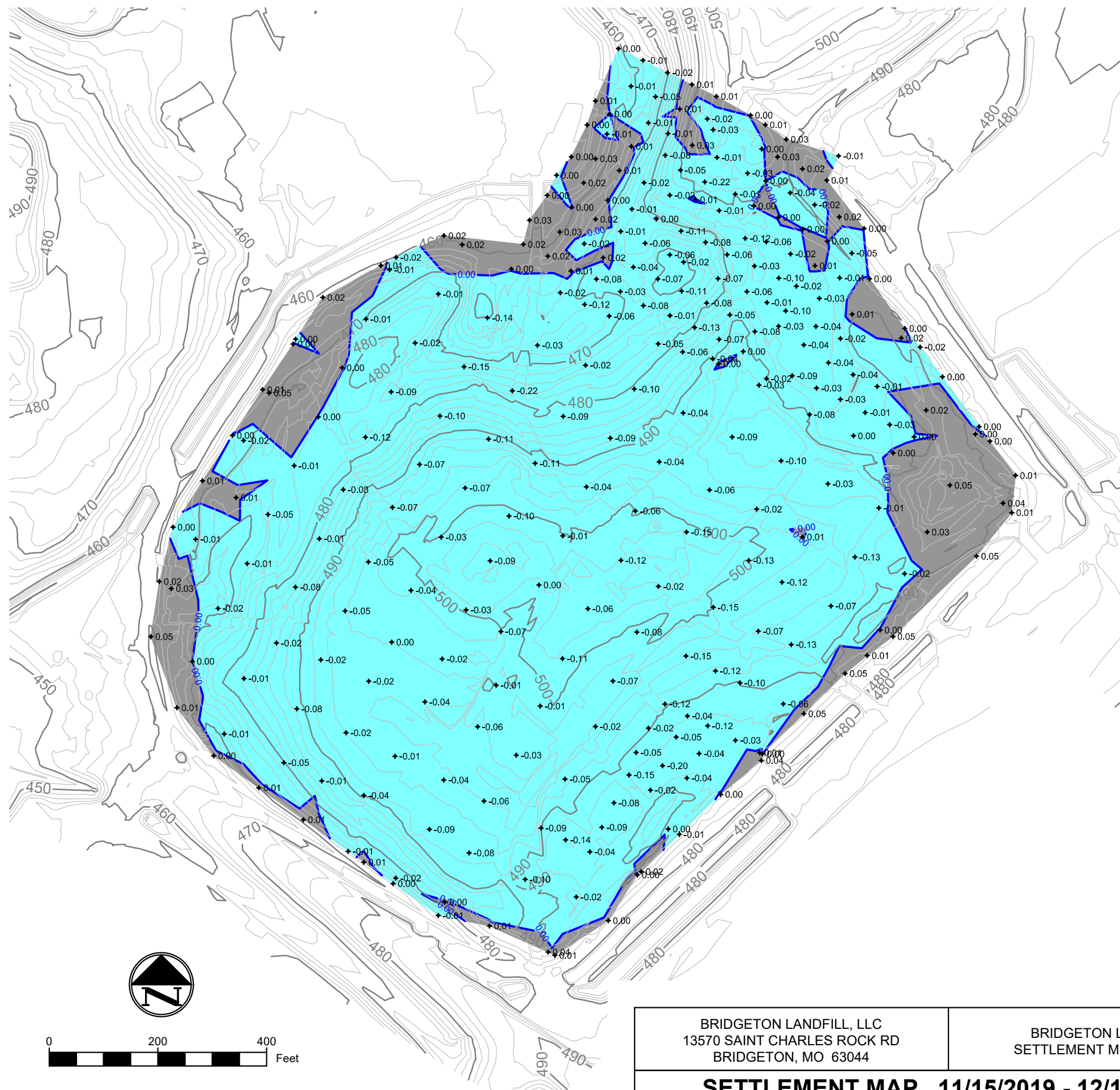
Wellfield Temperature - Bridgeton Landfill

Well Name					Temp Trend	Comments
	September 2019	October 2019	November 2019	December 2019	><30°F	
GIW-05	88.8	97.4	71.1	69.8		
GIW-06	88.2	104.6	75.9	77.5		
GIW-07	90.8	104.5	72.6	75.9		
GIW-08	90.0	105.0	68.5	70.7		
GIW-09	90.9	101.8	72.7	72.3		
GIW-10	92.7	103.6	75.5	75.7		
GIW-11	94.8	100.1	78.9	77.5		
GIW-12	90.3	97.5	75.0	73.0		
GIW-13	92.7	98.9	72.6	72.3		
LCS-1D	93.6	106.0	63.5	55.5		
LCS-2D	89.0	69.5	71.6	67.6		
LCS-3D	104.7	113.2	151.0	140.6		
LCS-4B	103.8	99.5	62.7	52.6		
LCS-5A	105.3	86.8	91.4	83.5		
LCS-5B	147.5	144.2	137.7	135.5		
LCS-6B	100.4	76.5	72.3	68.3		
SEW-002	112.5	100.1	59.2	52.5		
SEW-003	120.7	95.0	68.6	65.5		
T-56	83.5	70.6	58.9	53.6		

-- = Indicates no data available.

ATTACHMENT E

SETTLEMENT FRONT MAP



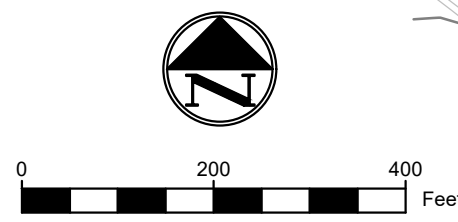
Thickness Map				
Range	Minimum Depth	Maximum Depth	2D Area (Sq. Ft.)	Color
1	-5.00	-4.00	0.00	Dark Blue
2	-4.00	-3.00	0.00	Medium Blue
3	-3.00	-2.00	0.00	Light Blue
4	-2.00	-1.00	0.00	Very Light Blue
5	-1.00	0.00	1,319,134.93	Cyan
6	0.00	1.00	218,693.45	Grey

LEGEND

- 12-12-2018 TOPOGRAPHY (2' CONTOUR)
 - 12-12-2018 TOPOGRAPHY (10' CONTOUR)
 - .25 MINOR ELEVATION CHANGE CONTOUR (0.25 FEET)
 - .50 MAJOR ELEVATION CHANGE CONTOUR (0.50 FEET)
 - 0.3 SPOT ELEVATION DIFFERENCE (11-15-2019 to 12-17-2019)
 - 12-2019 *SETTLEMENT FRONT CONTOUR FOR AREA WITH 1.44' PER 32 DAYS FOR CURRENT PERIOD OF DAYS
- *NONE FOR DECEMBER 2019

NOTES:

1. EXISTING CONTOURS DEVELOPED FROM SITE AERIAL TOPOGRAPHIC SURVEY BY COOPER AERIAL SURVEYS CO. ON DECEMBER 12, 2018.
2. FOR CLARITY, NOT ALL SITE FEATURES MAY BE SHOWN.
3. ELEVATION DIFFERENCE DETERMINED BY SUBTRACTING SPOT ELEVATIONS SURVEYED ON 11-15-19 FROM SPOT ELEVATIONS SURVEYED ON 12-17-19.
4. SURVEY POINTS WERE PERFORMED USING GPS METHODS.
5. SETTLEMENT RANGE SURFACE WAS GENERATED FROM THE SPOT ELEVATION DIFFERENCES.
6. ELEVATION DIFFERENCES THAT ARE SHOWN AS NEGATIVE INDICATE SPOTS OF SETTLEMENT.
7. ANY POINTS THAT ARE NOT A GROUND-TO-GROUND COMPARISON TO THE PREVIOUS MONTH'S POINTS, OR THAT WERE NOT SURVEYED IN THE SAME LOCATION AS THE PREVIOUS MONTH ARE NOT INCLUDED AND WERE NOT USED IN ANY SURFACE GENERATION.



BRIDGETON LANDFILL, LLC 13570 SAINT CHARLES ROCK RD BRIDGETON, MO 63044	BRIDGETON LANDFILL SETTLEMENT MONITORING	DECEMBER 2019 DESIGNED BY: IN APPROVED BY: DRF
SETTLEMENT MAP 11/15/2019 - 12/17/2019		DRAWING NO.: 001
PROJECT NUMBER: BT-145 FILE PATH: C:\Users\jml\Desktop\Feezor Engineering\Bridgeton\100-149BT-145 (Agreed Order Reporting)\Monthly Reports\12-2019 Report\Internal Draft Site Data\settlement\Settlement And Fill 12-17-2019.dwg		REVISION DATE

ATTACHMENT F

LIQUID CHARACTERIZATION DATA AND DISCHARGE LOG

Bridgeton Landfill - Leachate PreTreatment Plant

December 2019

Liquid Characterization Data

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

Hauled Disposal to MSD – Bissell Point

Date	Waste	Source	Transporter	Quantity
12/1/2019				0
12/2/2019				0
12/3/2019				0
12/4/2019				0
12/5/2019				0
12/6/2019				0
12/7/2019				0
12/8/2019				0
12/9/2019				0
12/10/2019				0
12/11/2019				0
12/12/2019				0
12/13/2019				0
12/14/2019				0
12/15/2019				0
12/16/2019	LPTP Activated Sludge/ Permeate	Tank 1 (T1)	MBI	0
12/17/2019				0
12/18/2019				0
12/19/2019				0
12/20/2019				0
12/21/2019				0
12/22/2019				0
12/23/2019				0
12/24/2019				0
12/25/2019				0
12/26/2019				0
12/27/2019				0
12/28/2019				0
12/29/2019				0
12/30/2019				0
12/31/2019				0
Total				0

Direct Discharge to MSD

Date	Waste	Source	Quantity (gal)
12/1/2019			233,792
12/2/2019			225,832
12/3/2019			233,128
12/4/2019			224,632
12/5/2019			193,008
12/6/2019			102,880
12/7/2019			105,280
12/8/2019			92,936
12/9/2019			93,744
12/10/2019			76,720
12/11/2019			85,104
12/12/2019			216,832
12/13/2019			271,384
12/14/2019			242,144
12/15/2019			103,680
12/16/2019	LPTP Permeate	Through Tank AST 97k (MSD Sampling Point 013)	143,232
12/17/2019			118,448
12/18/2019			124,600
12/19/2019			119,448
12/20/2019			125,784
12/21/2019			260,688
12/22/2019			243,728
12/23/2019			154,760
12/24/2019			118,184
12/25/2019			121,896
12/26/2019			119,768
12/27/2019			121,784
12/28/2019			164,064
12/29/2019			257,152
12/30/2019			253,392
12/31/2019			241,616
Total			5,189,640

ATTACHMENT G

VOLUMES OF LEACHATE PROCESSED

Bridgeton Landfill - Leachate Volumes
December 2019

Total volume of leachate from the individual leachate collection sumps during the month. Additional non-LCS leachate was collected and the total volume was 1,454,019 gallons. Therefore, the total leachate collected was 3,105,560 gallons.

ID	Volume
LCS -1D	0
LCS-2D	0
LCS-3D	30,114
LCS-4B	0
LCS-5A	1,574,144
LCS-5B	46,848
LCS-6B	435