

Bridgeton Landfill, LLC

Monthly Data Submittals

February 2020

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

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Provided Separately:

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

March 20, 2020

Commentary on Data

March 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 1,058 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 February 2020 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 23 GEW wells that are experiencing low or restricted flows, one (1) leachate collection sump (LCS), and one (1) GIW well that exhibit low gas flow due to the cooling loops that are installed in these wells. By the end of the month, 4 of the GEW wells and one LCS 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 (65 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 2020. This investigation will continue through the remainder of the First Quarter 2020 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 0.43 feet over 33 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 72,400 cubic feet of supplemental fuel was used between 2/12/20 and 2/14/20 and a total of 52,200 cubic feet of supplemental fuel was used between 2/18/20 and 2/21/20. For the month of February, a total of 124,600 cubic feet of supplemental fuel was used.

ATTACHMENT A

DAILY FLARE MONITORING DATA

ATTACHMENT A-1

FLOW DATA TABLE

Daily Flare Monitoring Data - Bridgeton Landfill
February 2020

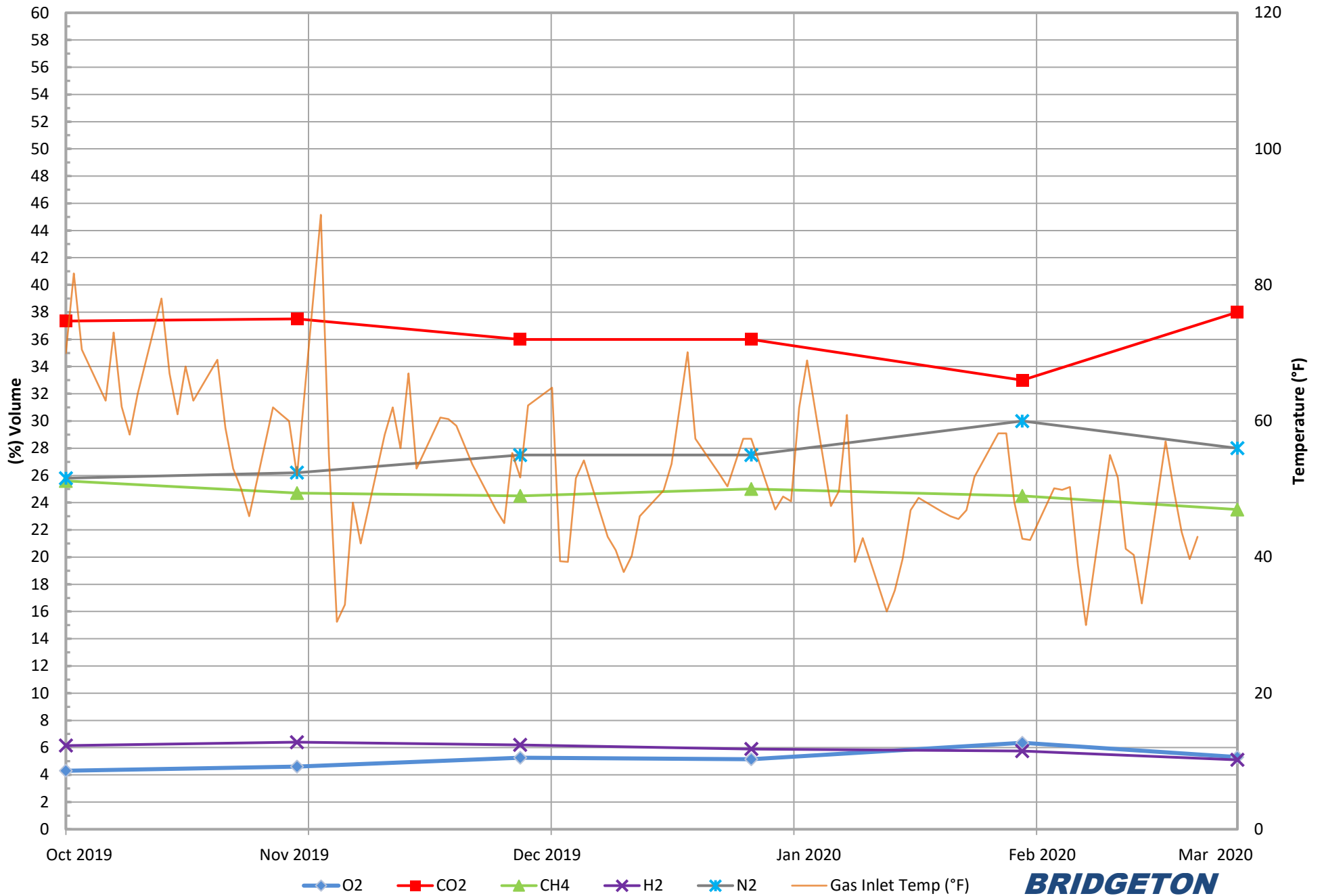
Date	Average Device Flow* (scfm)			Total Avg. Flow** (scfm)
	Utility Flare (FL-100)	Utility Flare (FL-120)	Utility Flare (FL-140)	
2/1/2020	0	1,057	0	1,057
2/2/2020	0	1,077	0	1,077
2/3/2020	0	1,084	0	1,084
2/4/2020	0	1,055	0	1,055
2/5/2020	0	1,055	0	1,055
2/6/2020	0	1,053	0	1,053
2/7/2020	0	1,041	0	1,042
2/8/2020	0	1,053	0	1,054
2/9/2020	0	1,072	0	1,072
2/10/2020	0	1,063	0	1,063
2/11/2020	0	1,061	0	1,061
2/12/2020	0	1,050	0	1,051
2/13/2020	0	989	0	990
2/14/2020	0	981	0	982
2/15/2020	0	1,032	0	1,032
2/16/2020	0	1,057	0	1,057
2/17/2020	0	1,070	0	1,070
2/18/2020	0	1,042	0	1,043
2/19/2020	0	1,049	0	1,049
2/20/2020	0	1,051	0	1,052
2/21/2020	0	1,074	0	1,074
2/22/2020	0	1,088	0	1,088
2/23/2020	0	1,095	0	1,095
2/24/2020	0	1,085	0	1,085
2/25/2020	0	1,064	0	1,064
2/26/2020	0	1,065	0	1,065
2/27/2020	0	1,070	0	1,071
2/28/2020	0	1,072	0	1,072
2/29/2020	0	1,087	0	1,087
AVERAGE	0	1,058	0	1,058

* 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

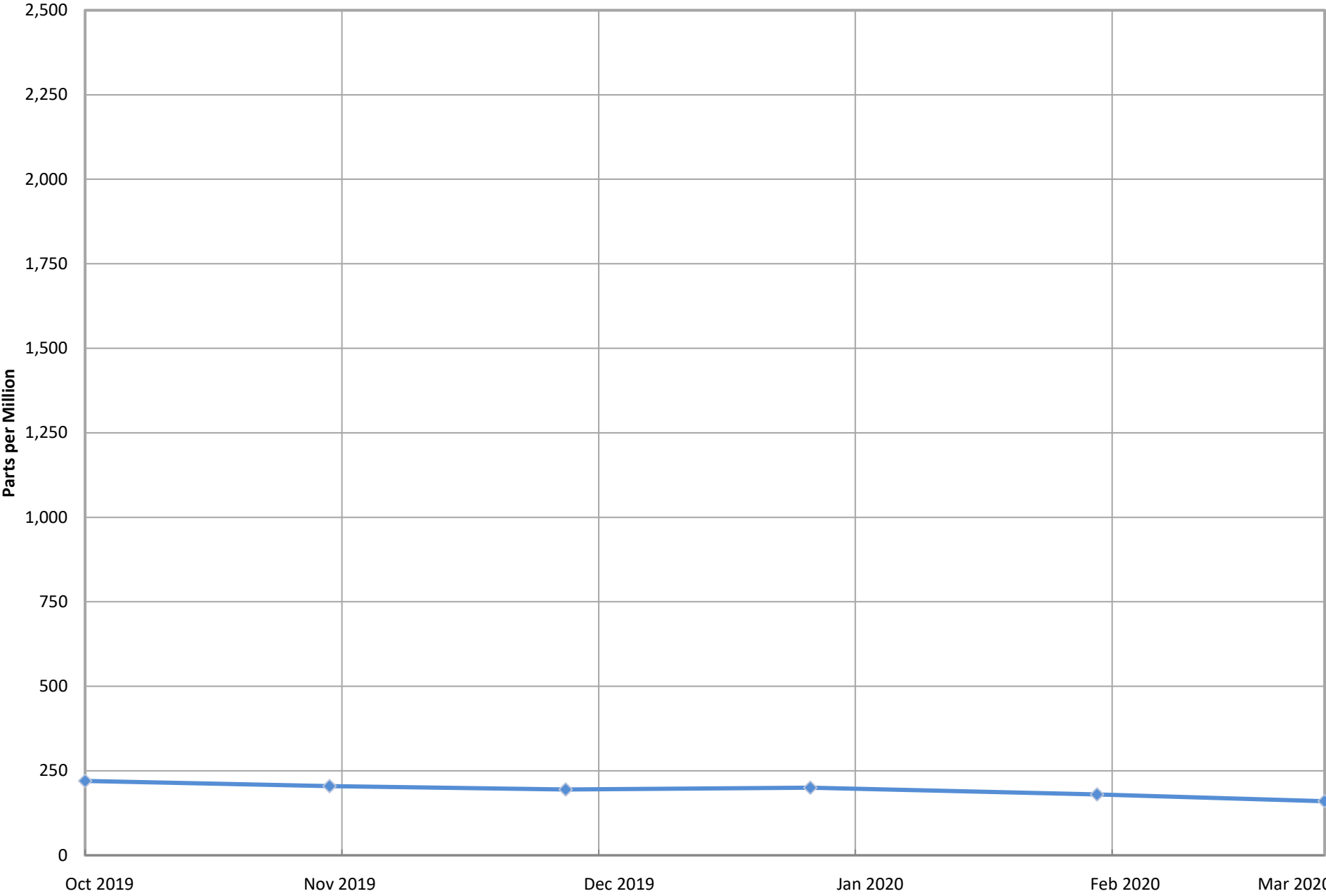
Combined Inlet Gas and Temperature*



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

Combined Inlet Carbon Monoxide*

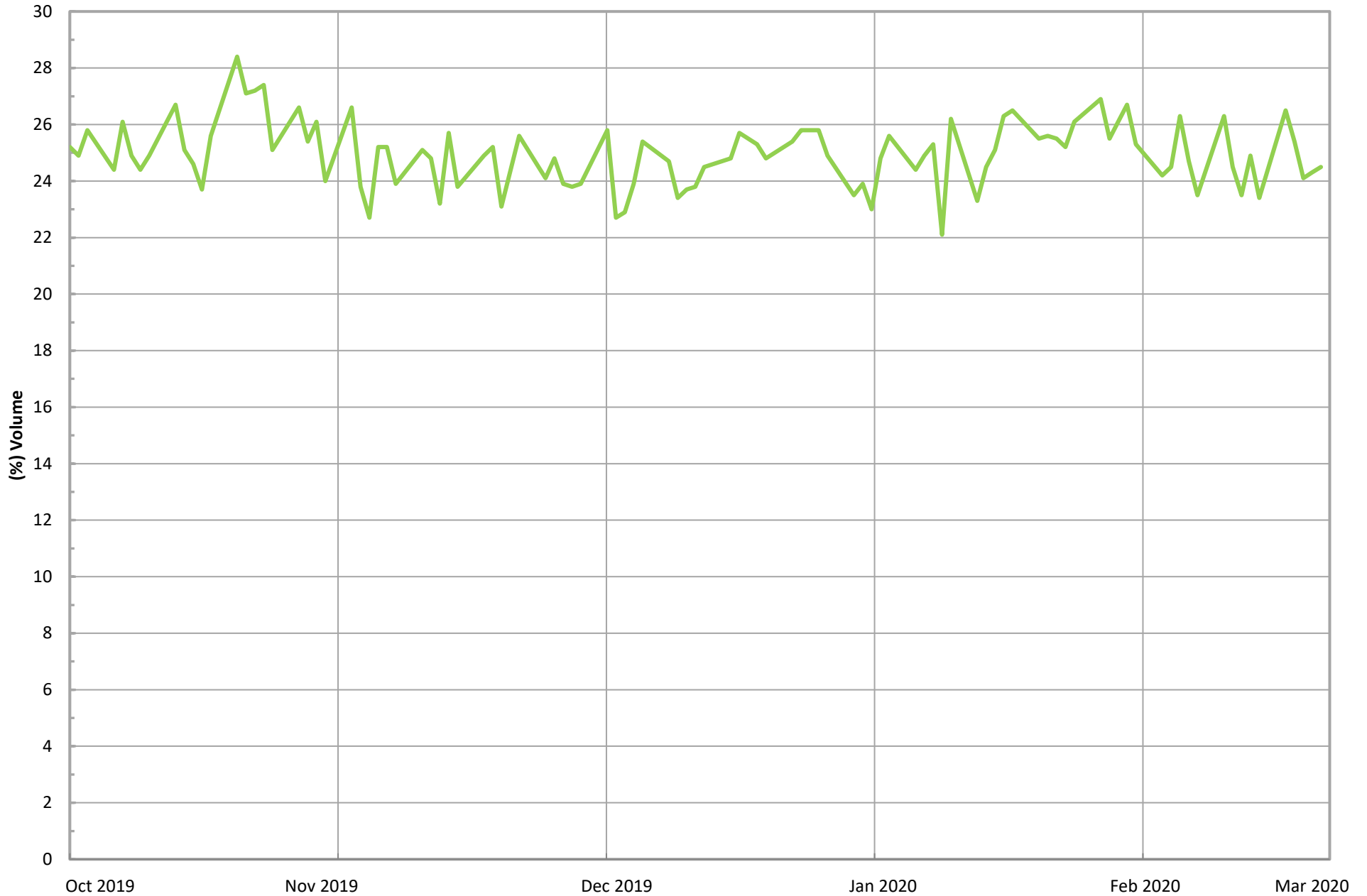


—◆— Inlet Carbon Monoxide*

*Data collected from Laboratory Reports.

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Combined Inlet Methane (Field Data)*

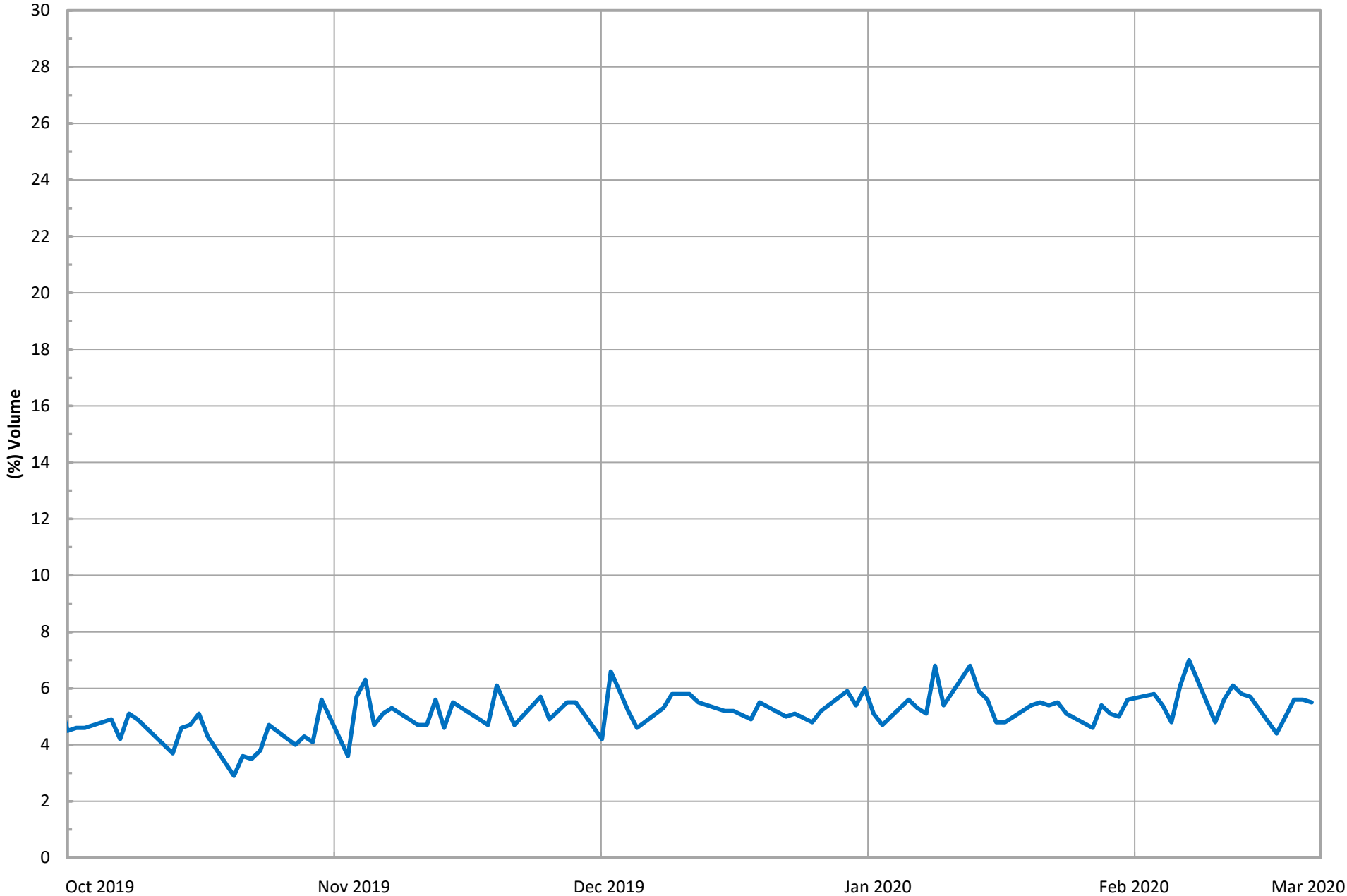


*Gas data collected from field monitoring data.

— Combined Inlet Methane (Field Data)*

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Combined Inlet Oxygen (Field Data)*

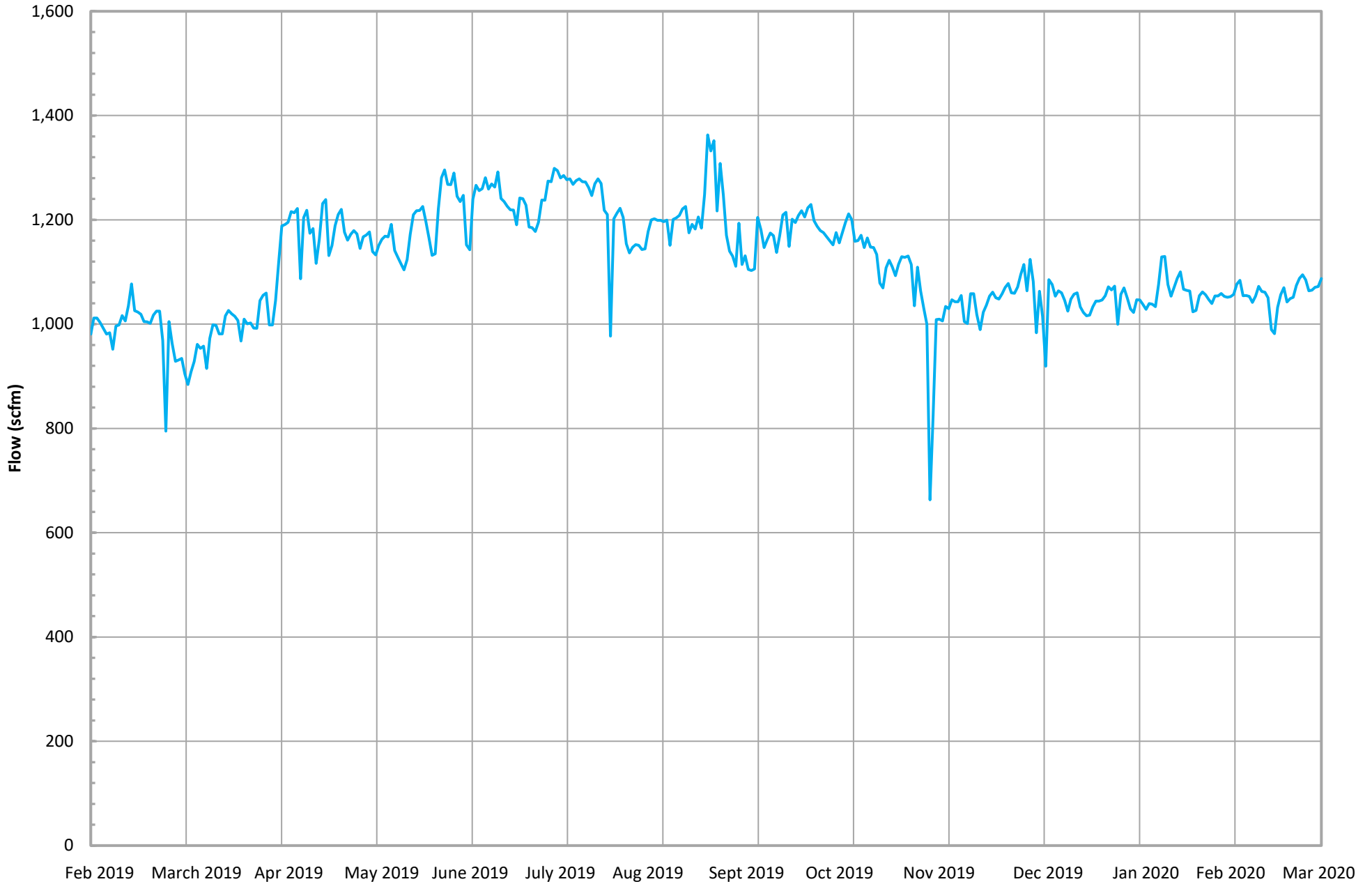


*Gas data collected from field monitoring data

— Combined Inlet Oxygen (Field Data)*

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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)*

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ATTACHMENT B

WELL CONDITON/STATUS REPORT

February 2020

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	

February 2020

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	

February 2020

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	Non-Operational	Decommissioned
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	

February 2020		
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	Comments
							(ppm)	
North Quarry								
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-002	1/16/2020	53	38	ND	7.9	ND	ND	
GEW-002	2/17/2020	50	36	ND	14	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-02S	1/15/2020	60	34	ND	5.3	ND	ND	
GEW-02S	2/17/2020	58	33	1.6	7.5	ND	ND	
GEW-02S	2/27/2020	57	33	ND	8.5	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-003	1/16/2020	55	40	ND	4.9	ND	ND	
GEW-003	2/18/2020	52	38	ND	8.5	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-004	1/16/2020	52	38	ND	9.7	0.049	ND	
GEW-004	2/18/2020	53	38	ND	9.0	0.037	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-005	1/16/2020	48	34	ND	17	ND	ND	
GEW-005	2/18/2020	47	33	ND	19	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-006	1/16/2020	54	36	ND	9.1	ND	ND	
GEW-006	2/18/2020	53	35	ND	11	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-007	1/15/2020	56	39	ND	4.5	ND	ND	
GEW-007	2/17/2020	55	40	ND	4.3	ND	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-008	1/15/2020	54	41	ND	3.1	1.1	48	
GEW-008	1/31/2020	54	41	ND	3.4	1.2	ND	
GEW-008	2/17/2020	54	41	ND	2.8	1.3	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-009	1/15/2020	50	39	ND	9.3	0.63	ND	
GEW-009	2/17/2020	52	40	ND	6.7	0.77	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	

Laboratory Analysis - Bridgeton Landfill

Well Name	Date Sampled	Methane	CO ₂	O ₂ /Argon	Nitrogen	Hydrogen	Carbon Monoxide	Comments
		(%)						
GEW-040	1/15/2020	61	34	ND	4.7	ND	ND	
GEW-040	2/17/2020	57	32	ND	10.0	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-041R	1/15/2020	49	32	1.7	17	ND	ND	
GEW-041R	1/31/2020	54	33	ND	12	ND	ND	
GEW-041R	2/17/2020	53	33	ND	12	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-042R	1/15/2020	53	36	ND	9.0	ND	ND	
GEW-042R	2/17/2020	56	37	ND	6.5	ND	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-043R	1/15/2020	55	40	ND	4.9	ND	ND	
GEW-043R	2/17/2020	55	39	ND	5.6	0.12	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-044	1/15/2020	44	32	ND	23	ND	ND	
GEW-044	2/17/2020	46	31	ND	21	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-045R	1/15/2020	56	38	ND	4.8	ND	ND	
GEW-045R	2/17/2020	55	37	ND	6.8	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-046R	1/15/2020	54	37	ND	8.2	ND	ND	
GEW-046R	2/17/2020	52	37	ND	9.9	0.054	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-047R	1/16/2020	49	37	ND	14	ND	ND	
GEW-047R	2/18/2020	45	33	2.5	20	ND	ND	See Note 3
GEW-047R	2/27/2020	49	36	ND	13	0.035	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-048	1/16/2020	55	38	ND	6.4	ND	ND	
GEW-048	2/18/2020	54	37	ND	8.2	ND	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-049	1/15/2020	50	35	ND	14	ND	ND	
GEW-049	2/17/2020	53	37	ND	8.7	ND	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	
GEW-050	11/18/2019	55	38	ND	6.0	ND	ND	
GEW-050	12/9/2019	55	38	ND	6.4	ND	ND	

Laboratory Analysis - Bridgeton Landfill

Well Name	Date Sampled	Methane	CO ₂	O ₂ /Argon	Nitrogen	Hydrogen	Carbon Monoxide	Comments
		(%)						
GEW-050	1/15/2020	52	36	ND	11	0.44	ND	
GEW-050	2/17/2020	54	36	ND	9.5	ND	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-051	1/15/2020	51	37	2.4	9.4	0.71	30	
GEW-051	1/31/2020	55	40	ND	4.1	0.88	ND	
GEW-051	2/17/2020	54	39	ND	5.0	0.85	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-052	1/15/2020	54	39	1.6	6.0	ND	ND	
GEW-052	1/31/2020	54	38	ND	6.3	ND	ND	
GEW-052	2/17/2020	51	37	ND	11	ND	ND	
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-053	1/15/2020	50	41	ND	4.7	3.3	66	
GEW-053	2/17/2020	50	41	ND	4.3	3.7	65	
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-054	1/15/2020	53	42	ND	ND	1.6	ND	
GEW-054	2/17/2020	53	41	ND	3.3	1.7	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	
GEW-055	1/15/2020	52	41	ND	4.6	1.2	ND	
GEW-055	2/17/2020	52	40	ND	5.5	1.4	ND	
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
Flare Station ²	1/3/2020	25.0	36.0	5.2	27.5	5.9	200	See Note 9
Flare Station ²	2/6/2020	24.5	33.0	6.4	30.0	5.8	180	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	Comments
		(%)					(ppm)	
South Quarry								
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-010	1/3/2020	54	40	ND	5.0	0.14	ND	
GEW-010	2/13/2020	56	41	ND	ND	0.13	ND	
GEW-013A	10/4/2019	5.8	62	ND	6.2	23	760	
GEW-013A	1/16/2020	9.5	61	ND	ND	25	860	
GEW-015	10/7/2019	19	44	ND	11	24	720	
GEW-015	1/16/2020	26	46	ND	8.4	18	610	
GEW-016R	10/7/2019	5.2	53	ND	5.2	34	1,000	
GEW-016R	1/16/2020	9.2	54	ND	8.1	27	880	
GEW-018B	10/9/2019	6.1	35	3.9	37	18	480	
GEW-018B	1/21/2020	7.1	33	4.4	37	18	670	
GEW-019A	10/9/2019	0.66	55	4.5	16	22	1,000	
GEW-019A	1/21/2020	1.8	57	3.7	12	25	1,200	
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-039	1/14/2020	30	31	2.7	36	ND	ND	
GEW-039	2/17/2020	36	32	2.2	29	ND	ND	
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-056R	1/3/2020	44	39	ND	13	3.3	73	
GEW-056R	2/12/2020	46	42	ND	4.8	6.1	90	
GEW-057B	10/14/2019	3.7	44	3.8	14	34	660	
GEW-057B	1/13/2020	5.2	52	ND	2.8	38	870	
GEW-058A	10/4/2019	6.9	33	1.7	37	21	680	
GEW-058A	1/10/2020	0.52	38	3.9	23	34	1,500	
GEW-059R	10/4/2019	21	42	ND	6.4	29	630	
GEW-059R	1/9/2020	20	38	ND	19	22	640	
GEW-067A	10/4/2019	4.5	37	6.3	22	29	390	See Note 4
GEW-067A	1/16/2020	7.8	54	ND	4.2	33	670	
GEW-068A	10/15/2019	11	50	2.1	7.7	28	1,000	
GEW-068A	1/14/2020	1.0	54	ND	ND	38	1,400	
GEW-078R	10/7/2019	12	31	1.6	42	13	390	
GEW-078R	1/20/2020	8.0	25	1.9	53	12	470	
GEW-082R	10/7/2019	9.4	38	ND	28	22	660	
GEW-082R	1/20/2020	7.6	32	1.4	39	20	680	
GEW-086	10/7/2019	6.2	23	7.6	55	8.0	160	See Note 3
GEW-086	1/16/2020	7.1	23	9.5	48	12	300	See Note 4
GEW-087	10/7/2019	11	44	3.0	26	15	420	
GEW-087	1/16/2020	10	38	5.6	32	13	360	See Note 4
GEW-088	10/7/2019	1.9	34	3.2	35	25	700	
GEW-088	1/16/2020	1.9	40	3.3	19	35	1,100	
GEW-090	10/4/2019	1.4	33	7.6	27	29	530	See Note 3
GEW-090	1/16/2020	18	37	ND	26	17	420	
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-091	1/3/2020	2.8	53	ND	3.8	37	400	
GEW-091	2/17/2020	3.6	51	ND	ND	41	390	
GEW-100	10/15/2019	2.5	52	3.4	12	29	720	

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Well Name	Date Sampled	Methane	CO ₂	O ₂ /Argon	Nitrogen	Hydrogen	Carbon Monoxide	Comments
		(%)						
GEW-100	1/14/2020	9.7	51	2.9	9.9	26	740	
GEW-101	10/15/2019	38	50	2.3	9.0	0.23	ND	
GEW-101	1/14/2020	47	49	ND	3.0	ND	ND	
GEW-102	10/14/2019	25	48	ND	ND	22	150	
GEW-102	1/13/2020	21	36	6.0	20	16	110	See Note 4
GEW-104	10/14/2019	21	45	ND	18	15	330	
GEW-104	1/13/2020	22	38	ND	28	10	270	
GEW-105	10/14/2019	27	41	2.9	15	14	430	
GEW-105	1/10/2020	35	44	ND	6.1	14	440	
GEW-106	10/14/2019	19	54	ND	4.2	21	450	
GEW-106	1/10/2020	14	46	ND	18	20	620	
GEW-107	10/4/2019	18	49	1.9	6.8	23	860	
GEW-107	1/9/2020	19	49	2.5	8.6	21	770	
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-108	1/14/2020	33	46	ND	3.8	16	380	
GEW-108	2/17/2020	35	41	2.0	6.7	15	310	
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-109	1/14/2020	39	37	2.4	21	0.89	ND	
GEW-109	2/17/2020	43	42	3.2	11	ND	ND	
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-110	1/3/2020	26	36	6.2	22	8.8	190	See Note 4
GEW-110	2/13/2020	26	33	7.5	26	8.1	140	See Note 4
GEW-113	10/7/2019	11	56	ND	5.5	25	1,000	
GEW-113	1/16/2020	10	54	1.7	13	21	910	
GEW-116	10/7/2019	22	53	1.8	18	4.8	330	
GEW-116	1/21/2020	18	43	4.7	28	5.7	430	
GEW-117	10/9/2019	26	45	4.8	17	6.5	270	
GEW-117	1/21/2020	44	45	2.2	7.8	0.61	66	
GEW-118	10/9/2019	5.8	45	2.7	17	28	910	
GEW-118	1/21/2020	3.1	41	ND	29	26	1,300	
GEW-120	10/9/2019	43	49	ND	3.9	3.1	ND	
GEW-120	1/21/2020	35	35	3.5	26	0.12	52	
GEW-121	10/9/2019	25	57	ND	3.6	13	410	
GEW-121	1/21/2020	29	46	ND	17	6.5	240	
GEW-122	10/10/2019	36	38	ND	15	10.0	360	
GEW-122	1/20/2020	32	33	ND	26	7.4	330	
GEW-123	10/10/2019	27	56	ND	13	3.6	360	
GEW-123	1/21/2020	26	51	ND	17	4.0	590	
GEW-124	1/20/2020	41	32	6.2	21	ND	ND	See Note 3
GEW-125	10/10/2019	35	57	ND	ND	3.8	200	
GEW-125	1/10/2020	35	61	ND	ND	1.1	170	
GEW-126	10/11/2019	19	49	1.8	15	16	930	
GEW-126	1/15/2020	16	45	1.8	24	14	1,000	
GEW-127	10/11/2019	6.6	36	7.3	37	13	880	See Note 4
GEW-127	1/13/2020	13	56	ND	6.2	23	1,800	
GEW-129	10/15/2019	25	56	ND	8.4	8.2	640	
GEW-129	1/13/2020	32	52	ND	11	3.8	410	
GEW-130	10/11/2019	23	44	ND	16	16	920	
GEW-130	1/10/2020	21	43	ND	17	17	1,200	

Laboratory Analysis - Bridgeton Landfill

Well Name	Date Sampled	Methane	CO ₂	O ₂ /Argon	Nitrogen	Hydrogen	Carbon Monoxide	Comments
		(%)						
GEW-131	10/11/2019	44	42	ND	3.0	11	540	
GEW-131	1/10/2020	44	42	ND	ND	11	540	
GEW-132	10/10/2019	17	32	3.2	36	12	520	
GEW-132	1/21/2020	11	24	4.0	52	8.7	430	
GEW-133	10/7/2019	6.7	48	ND	26	16	870	
GEW-133	1/21/2020	13	31	2.1	51	2.1	540	
GEW-134	10/7/2019	14	37	2.8	42	4.5	220	
GEW-134	1/21/2020	5.9	28	4.3	55	6.4	250	
GEW-135	10/7/2019	2.9	36	2.6	39	18	610	
GEW-135	1/20/2020	2.4	31	4.6	48	14	560	
GEW-137	10/7/2019	30	40	ND	28	0.053	ND	
GEW-137	1/20/2020	38	40	ND	21	ND	ND	
GEW-138	10/7/2019	9.4	38	ND	29	22	660	
GEW-138	1/20/2020	7.9	16	6.2	66	3.7	220	See Note 4
GEW-139	10/11/2019	15	50	ND	6.5	27	1,100	
GEW-139	1/14/2020	5.5	53	ND	3.5	36	1,900	
GEW-140	10/11/2019	23	44	ND	13	19	420	
GEW-140	1/14/2020	23	38	ND	23	15	380	
GEW-145	1/13/2020	23	48	ND	3.5	24	400	
GEW-147	10/7/2019	16	46	ND	8.3	28	910	
GEW-147	1/16/2020	17	40	4.2	23	15	480	
GEW-148	10/7/2019	11	52	ND	4.2	31	1,500	
GEW-148	1/16/2020	16	52	ND	ND	27	1,400	
GEW-149	10/4/2019	11	31	ND	54	2.3	78	
GEW-149	1/16/2020	7.0	19	2.2	71	0.81	61	
GEW-150	10/14/2019	26	44	1.6	12	15	430	
GEW-150	1/10/2020	32	45	ND	5.2	15	490	
GEW-151	10/4/2019	9.4	48	ND	4.6	35	810	
GEW-151	1/16/2020	6.1	29	5.3	41	18	500	See Note 4
GEW-152	10/4/2019	18	48	ND	6.4	25	870	
GEW-152	1/13/2020	19	48	ND	10	22	760	
GEW-153	10/4/2019	31	34	1.8	29	4.1	77	
GEW-153	1/9/2020	26	28	2.1	41	2.7	120	
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-156	1/9/2020	22	31	6.7	31	9.3	250	See Note 3
GEW-157	10/14/2019	34	42	1.6	6.0	16	390	
GEW-157	1/10/2020	21	28	9.0	31	10	240	See Note 3
GEW-158	10/14/2019	31	47	ND	3.5	17	440	
GEW-158	1/10/2020	23	44	ND	17	15	440	
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-159	1/20/2020	2.0	5.6	19	71	3.1	240	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-160	1/3/2020	17	39	2.4	22	18	570	
GEW-160	2/17/2020	24	39	ND	19	17	400	
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-161	1/3/2020	2.1	51	2.6	9.2	35	1,300	
GEW-161	2/13/2020	5.4	54	ND	3.6	36	1,300	
GEW-162	10/16/2019	14	63	ND	8.6	14	510	
GEW-162	11/13/2019	15	62	ND	10	12	480	

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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-162	1/3/2020	15	64	ND	6.6	13	620	
GEW-162	2/13/2020	14	65	ND	6.0	15	650	
GEW-163	10/10/2019	24	50	1.6	17	7.1	190	
GEW-163	1/21/2020	30	55	ND	6.1	7.6	210	
GEW-164	10/10/2019	33	51	ND	14	0.63	66	
GEW-164	1/20/2020	28	44	1.7	26	0.40	140	
GEW-165	10/10/2019	16	54	2.7	13	14	560	
GEW-165	1/20/2020	12	31	9.0	40	6.7	320	See Note 4
GEW-166	10/10/2019	2.2	54	ND	3.6	38	2,400	
GEW-166	1/20/2020	5.5	55	ND	ND	36	2,500	
GEW-167	10/10/2019	4.6	46	1.8	9.9	37	1,700	
GEW-167	1/20/2020	11	43	ND	12	32	1,600	
GEW-168	10/11/2019	31	51	ND	9.7	6.2	240	
GEW-168	1/10/2020	30	51	ND	14	3.9	230	
GEW-169	10/11/2019	12	44	3.0	25	15	760	
GEW-169	1/13/2020	9.4	42	4.4	28	16	860	
GEW-170	10/15/2019	11	40	5.3	29	15	960	See Note 4
GEW-170	1/13/2020	12	38	6.1	29	15	1,000	See Note 4
GEW-171	10/15/2019	11	38	7.4	29	14	640	See Note 4
GEW-171	1/14/2020	43	32	4.7	16	3.7	150	
GEW-172	10/15/2019	24	44	3.0	11	16	790	
GEW-172	1/14/2020	18	43	3.5	14	21	1,100	
GEW-174	10/11/2019	18	36	ND	33	12	300	
GEW-174	1/13/2020	13	36	2.1	34	15	490	
GEW-175	10/14/2019	20	42	4.7	23	9.2	220	
GEW-175	1/10/2020	25	33	5.5	33	3.4	150	See Note 4
GEW-176	10/14/2019	23	26	8.7	42	0.73	ND	See Note 4
GEW-176	1/10/2020	40	33	3.6	22	1.2	ND	
GEW-177	10/15/2019	9.7	53	ND	15	20	1,700	
GEW-177	1/13/2020	11	46	1.8	23	17	1,600	
GEW-178	10/14/2019	38	49	2.1	10	0.099	ND	
GEW-178	1/13/2020	24	26	7.2	43	0.035	ND	See Note 4
GEW-179	10/14/2019	32	63	ND	4.4	ND	ND	
GEW-179	1/13/2020	42	55	ND	ND	ND	ND	
GEW-180	10/15/2019	25	49	5.3	19	0.38	58	See Note 3
GEW-180	1/14/2020	32	60	1.7	6.0	0.19	110	
GEW-181	10/15/2019	27	67	ND	4.8	ND	ND	
GEW-181	1/15/2020	25	71	ND	ND	ND	ND	
GEW-185	10/10/2019	34	53	2.7	9.9	0.13	ND	
GEW-185	1/21/2020	35	47	ND	16	ND	ND	
GEW-186	10/15/2019	20	29	8.2	39	3.2	210	See Note 4
GEW-186	1/13/2020	21	25	9.8	43	1.2	110	See Note 4
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-187	1/14/2020	40	53	ND	ND	3.3	130	
GEW-187	2/17/2020	18	23	13	44	0.92	51	See Note 3
GEW-217	10/14/2019	11	52	ND	ND	32	770	
GEW-217	1/13/2020	25	47	ND	2.9	23	480	
GEW-218	10/14/2019	20	39	2.2	26	13	380	
GEW-218	1/13/2020	16	33	4.9	37	9.1	330	
GEW-219	10/14/2019	4.6	22	11	51	11	350	See Note 4
GEW-219	1/13/2020	3.5	19	13	51	13	450	See Note 4
GEW-220	10/15/2019	13	43	3.0	22	19	750	
GEW-220	1/13/2020	26	46	2.0	14	12	560	
GEW-221	10/15/2019	20	53	1.6	6.5	18	460	

Laboratory Analysis - Bridgeton Landfill

Well Name	Date Sampled	Methane	CO ₂	O ₂ /Argon	Nitrogen	Hydrogen	Carbon Monoxide	Comments
		(%)						
GEW-221	1/14/2020	25	45	ND	21	7.3	150	
GEW-222	10/15/2019	2.3	62	ND	3.3	30	1,600	
GEW-222	1/14/2020	31	45	ND	8.7	14	390	
GEW-223	10/15/2019	17	61	ND	ND	17	1,100	
GEW-223	1/14/2020	25	58	ND	3.2	13	790	
GEW-224	10/15/2019	15	60	ND	ND	20	1,500	
GEW-224	1/13/2020	25	58	ND	ND	14	1,100	
GEW-225	10/15/2019	26	47	ND	3.8	22	890	
GEW-225	1/14/2020	9.1	53	ND	4.1	32	2,700	
GEW-226	10/11/2019	8.6	39	2.8	27	22	1,100	
GEW-226	1/14/2020	9.0	37	ND	32	20	1,100	
GEW-227	10/7/2019	5.0	27	6.3	52	8.5	220	See Note 4
GEW-227	1/20/2020	1.8	36	5.4	32	25	570	See Note 4
GEW-228	10/7/2019	1.5	46	1.6	5.8	43	670	
GEW-228	1/20/2020	6.8	33	3.6	26	30	490	
GEW-229	10/7/2019	1.6	11	12	75	0.28	54	See Note 4
GEW-229	1/20/2020	2.0	11	11	75	0.86	30	See Note 4
GEW-230	10/7/2019	2.3	18	11	62	7.2	180	See Note 4
GEW-230	1/16/2020	0.57	9.4	15	72	3.2	200	See Note 4
GEW-231	10/15/2019	9.8	23	12	51	3.1	260	See Note 4
GEW-231	1/13/2020	11	23	13	51	2.7	260	See Note 4
GEW-232	10/4/2019	28	54	1.6	9.0	6.8	240	
GEW-232	1/16/2020	18	48	2.9	14	16	720	
GEW-233	10/2/2019	8.1	44	1.7	29	16	440	
GEW-233	1/21/2020	6.9	40	ND	35	16	510	
GEW-234	10/15/2019	6.0	33	4.6	37	19	1,000	
GEW-234	1/16/2020	3.4	31	4.7	43	17	810	
GEW-235	10/2/2019	11	49	3.6	13	21	430	
GEW-235	1/21/2020	24	49	ND	9.6	16	440	
GEW-236	10/2/2019	9.7	41	1.8	23	22	240	
GEW-236	1/20/2020	2.8	38	4.1	17	37	470	
GEW-237	10/2/2019	29	40	2.9	24	3.9	150	
GEW-237	1/10/2020	24	34	5.9	32	4.2	150	See Note 4
GEW-238	10/2/2019	7.5	59	ND	5.1	26	920	
GEW-238	1/16/2020	13	54	ND	14	18	730	
GEW-239	10/2/2019	1.1	51	ND	4.5	40	1,300	
GEW-239	1/16/2020	0.78	34	7.3	29	29	950	See Note 4
GEW-240	10/2/2019	11	49	ND	12	25	1,000	
GEW-240	1/14/2020	8.5	23	5.6	52	10	460	See Note 4
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-01	1/3/2020	12	53	3.6	13	18	790	
GIW-01	2/17/2020	19	51	3.2	11	16	550	
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-02	1/15/2020	3.8	57	2.2	17	19	1,100	
GIW-02	2/17/2020	6.1	53	ND	22	17	870	
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-03	1/15/2020	19	45	ND	22	13	470	
GIW-03	2/17/2020	20	45	1.8	19	13	490	
GIW-04	10/16/2019	12	45	2.5	14	26	690	

Laboratory Analysis - Bridgeton Landfill

Well Name	Date Sampled	Methane	CO ₂	O ₂ /Argon	Nitrogen	Hydrogen	Carbon Monoxide	Comments
		(%)						
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-04	1/15/2020	13	49	ND	8.4	28	1,000	
GIW-04	2/17/2020	17	46	1.7	7.1	27	930	
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-05	1/15/2020	0.12	1.0	23	76	ND	ND	See Note 4
GIW-05	2/17/2020	0.32	1.5	23	76	0.065	ND	See Note 4
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-06	1/15/2020	34	39	ND	21	3.9	45	
GIW-06	2/17/2020	38	38	ND	17	5.9	45	
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-07	1/15/2020	54	42	ND	3.5	ND	ND	
GIW-07	2/17/2020	54	42	ND	3.2	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-08	1/15/2020	48	43	ND	8.8	ND	ND	
GIW-08	2/17/2020	52	43	ND	4.3	ND	ND	
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-09	1/15/2020	21	35	1.6	35	7.8	86	
GIW-09	2/17/2020	26	39	3.3	17	15	200	
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-10	1/15/2020	21	30	ND	39	8.4	210	
GIW-10	2/17/2020	27	32	1.6	30	8.6	150	
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-11	1/15/2020	22	29	2.5	43	2.9	310	
GIW-11	2/17/2020	27	33	1.5	35	3.4	230	
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-12	1/15/2020	30	32	3.2	30	3.6	170	
GIW-12	2/17/2020	32	34	2.6	28	4.6	180	
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	
GIW-13	1/15/2020	41	45	ND	4.0	9.0	140	
GIW-13	2/17/2020	43	44	ND	4.1	7.8	100	

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



February 27, 2020

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: L021907-01/49

Enclosed are results for sample(s) received 02/19/20 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, Erin Fanning and Anthony Kimutis; Michele Clark, Dustin Thoenen and Don Murphy, Weaver Consultants Group; and Jan Feezor, Feezor Engineering on 2/26/20.

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 that appears to read "M. Johnson".

Mark Johnson
Operations Manager
MJohnson@AirTechLabs.com

Enclosures

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



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 6
Standard <input type="checkbox"/>	48 hours <input type="checkbox"/>	EDD <input checked="" type="checkbox"/>	Condition upon receipt: Sealed Yes <input type="checkbox"/> No <input type="checkbox"/> Intact 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"/>	
24 hours <input type="checkbox"/>	96 hours <input type="checkbox"/>	Level 3 <input type="checkbox"/>	
Other: <u>5 Day</u>		Level 4 <input type="checkbox"/>	

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	ANALYSIS REQUEST
P.O. No.: PO7112802	D1946 + CO, H2
Bill to: Republic Services	
Attn: Mike Lambrich	
13570 St. Charles Rock Rd.	
Bridgeton, MO 63044	

LAB USE ONLY	Cannister Pressure ("hg)			SAMPLE IDENTIFICATION	SAMPLE DATE	SAMPLE TIME	CONTAINER QTY/TPE	MATRIX	PRESERVATION	D1946 + CO, H2	ANALYSIS REQUEST				
	Cannister ID	Sample Start	Sample End												
L021907-01	A8079	-21.5	-5	GEW 50	2/17/2020	8:18	C	LFG	NA	X					3.5
-02	3130	-21.2	-5	GEW 52	2/17/2020	8:27	C	LFG	NA	X					3
-03	A7645	-21.3	-5	GEW 7	2/17/2020	8:39	C	LFG	NA	X					3
-04	A8098	-21	-5	GEW 8	2/17/2020	8:49	C	LFG	NA	X					3
-05	A7818	-21.2	-5	GEW 9	2/17/2020	8:58	C	LFG	NA	X					4
-06	4648	-21.1	-5	GEW 51	2/17/2020	9:10	C	LFG	NA	X					3.5
-07	4657	-21	-5	GEW 53	2/17/2020	9:21	C	LFG	NA	X					3.5
-08	5930	-21.3	-5	GEW 54	2/17/2020	9:31	C	LFG	NA	X					3
-09	A7747	-21.2	-5	GEW 55	2/17/2020	9:41	C	LFG	NA	X					3.5
-10	A7802	-21.2	-5	GEW 40	2/17/2020	9:49	C	LFG	NA	X					3.5

AUTHORIZATION TO PERFORM WORK: Dave Penoyer **COMPANY:** Republic Services

SAMPLED BY: Anthony Kimutis **COMPANY:** Republic Services **DATE/TIME:** 2/17/2020

RELINQUISHED BY: [Signature] DATE/TIME: 2/18/2020	RECEIVED BY: [Signature] DATE/TIME: 2/19/20
RELINQUISHED BY: [Signature] DATE/TIME: 2/19/20	RECEIVED BY: [Signature] DATE/TIME: 2/19/20 0945
RELINQUISHED BY: _____ DATE/TIME: _____	RECEIVED BY: _____ DATE/TIME: _____

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

COMMENTS



AirTECHNOLOGY
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: 2 OF 6
Standard <input type="checkbox"/>	48 hours <input type="checkbox"/>	EDD <input checked="" type="checkbox"/>	Condition upon receipt: Sealed Yes <input type="checkbox"/> No <input type="checkbox"/> Intact 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"/>	
24 hours <input type="checkbox"/>	96 hours <input type="checkbox"/>	Level 3 <input type="checkbox"/>	
Other: 5 Day		Level 4 <input type="checkbox"/>	

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 Pressure ("hg)			SAMPLE IDENTIFICATION	SAMPLE DATE	SAMPLE TIME	CONTAINER QTY/TYPE	MATRIX	PRESERVATION	D1946 + CO, H2	ANALYSIS REQUEST				
	Cannister ID	Sample Start	Sample End												
L021907-11	A7795	-21	-5	GEW 41R	2/17/2020	9:58	C	LFG	NA	X					3.5
-12	A8056	-21.1	-5	GEW 42R	2/17/2020	10:33	C	LFG	NA	X					3
-13	A7671	-21.1	-5	GEW 43R	2/17/2020	10:45	C	LFG	NA	X					3.5
-14	3159	-20.8	-5	GEW 44	2/17/2020	10:55	C	LFG	NA	X					4
-15	4644	-20.9	-5	GEW 49	2/17/2020	11:05	C	LFG	NA	X					4
-16	A7761	-21.1	-5	GEW 45R	2/17/2020	11:16	C	LFG	NA	X					4
-17	3826	-21.1	-5	GEW 46R	2/17/2020	11:35	C	LFG	NA	X					3.5
-18	A8096	-21.3	-5	GEW 2	2/17/2020	11:43	C	LFG	NA	X					3.5
-19	A8085	-21.2	-5	GEW 2S	2/17/2020	11:53	C	LFG	NA	X					4
-20	5274	-21.7	-5	GEW 3	2/18/2020	8:37	C	LFG	NA	X					3

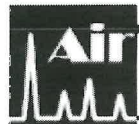
AUTHORIZATION TO PERFORM WORK: Dave Penoyer COMPANY: Republic Services

SAMPLED BY: Anthony Kimutis COMPANY: Republic Services DATE/TIME: 2/17/2020 - 2/18/2020

RELINQUISHED BY: <i>Ant Kim</i> DATE/TIME: 2/18/2020	RECEIVED BY: _____ DATE/TIME: _____
RELINQUISHED BY: <i>Ferr ex</i> DATE/TIME: 2/19/20	RECEIVED BY: <i>JMF</i> DATE/TIME: 2/19/20 0945
RELINQUISHED BY: _____ DATE/TIME: _____	RECEIVED BY: _____ DATE/TIME: _____

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

COMMENTS



AirTECHNOLOGY
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: 5 OF 6

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

- EDD
EDF
Level 3
Level 4

Condition upon receipt:
Sealed Yes No
Intact Yes No
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

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/TPE	MATRIX	PRESERVATION	D1946 + CO, H2	ANALYSIS REQUEST					
	Cannister ID	Sample Start	Sample End													
L021907-30	A7654	-21	-5	GIW 4	2/17/2020	8:51	C	LFG	NA	X						3
-31	5936	-21	-5	GIW 5	2/17/2020	9:00	C	LFG	NA	X						3.5
-38	5268	-20.9	-5	GIW 6	2/17/2020	9:14	C	LFG	NA	X						3.5
-39	A7781	-21.3	-5	GIW 7	2/17/2020	9:22	C	LFG	NA	X						3
-40	A7798	-21.3	-5	GIW 8	2/17/2020	9:31	C	LFG	NA	X						4
-41	5313	-19.4	-5	GIW 9	2/17/2020	9:40	C	LFG	NA	X						3.5
-42	A8095	-20.8	-5	GIW 10	2/17/2020	10:13	C	LFG	NA	X						3.5
-43	A8055	-21.1	-5	GIW 11	2/17/2020	10:22	C	LFG	NA	X						3.5
-44	6138	-20.8	-5	GIW 12	2/17/2020	10:31	C	LFG	NA	X						4
-45	5901	-21.2	-5	GIW 13	2/17/2020	10:40	C	LFG	NA	X						4

AUTHORIZATION TO PERFORM WORK: Dave Penoyer COMPANY: Republic Services
SAMPLED BY: Andy Guthrie COMPANY: Hunt Vac Services DATE/TIME: 2/17/2020
RELINQUISHED BY: [Signature] DATE/TIME: 2/18/2020 **RECEIVED BY:** [Signature] DATE/TIME: [Signature]
RELINQUISHED BY: [Signature] DATE/TIME: 2/19/2020 **RECEIVED BY:** [Signature] DATE/TIME: 2/19/2020 0945
RELINQUISHED BY: [Signature] DATE/TIME: [Signature] **RECEIVED BY:** [Signature] DATE/TIME: [Signature]

COMMENTS



AirTECHNOLOGY
Laboratories, Inc.

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CHAIN OF CUSTODY RECORD

TURNAROUND TIME

DELIVERABLES

PAGE: 6 OF 6

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

EDD
EDF
Level 3
Level 4

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

BILLING

ANALYSIS REQUEST

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

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

LAB USE ONLY	Cannister Pressure ("hg)			SAMPLE IDENTIFICATION	SAMPLE DATE	SAMPLE TIME	CONTAINER QTY/TYPE	MATRIX	PRESERVATION	D1946 + CO, H2	ANALYSIS REQUEST						
	Cannister ID	Sample Start	Sample End														
L021907-46	5271	-20.1	-5	GEW 108	2/17/2020	10:50	C	LFG	NA	X							4
↓ -47	A8082	-20.9	-5	GEW 187	2/17/2020	11:00	C	LFG	NA	X							4
↓ -48	A7815	-20.7	-5	GEW 109	2/17/2020	11:16	C	LFG	NA	X							3.5
↓ -49	6146	-21	-5	GEW 39	2/17/2020	11:36	C	LFG	NA	X							4

AUTHORIZATION TO PERFORM WORK: Dave Penoyer COMPANY: Republic Services
SAMPLED BY: Andy Guthrie COMPANY: Hunt Vac Services DATE/TIME: 2/17/2020
RELINQUISHED BY: [Signature] DATE/TIME: 2/18/2020 **RECEIVED BY:** [Signature] DATE/TIME: [Signature]
RELINQUISHED BY: [Signature] DATE/TIME: 2/19/20 **RECEIVED BY:** [Signature] DATE/TIME: 2/19/20
RELINQUISHED BY: [Signature] DATE/TIME: [Signature] **RECEIVED BY:** [Signature] DATE/TIME: [Signature]

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

COMMENTS

Client: Republic Services
Attn: Mike Lambrich
Project Name: Bridgeton Landfill
Project No.: NA
Date Received: 02/19/20
Matrix: Air
Reporting Units: % v/v

ASTM D1946

Lab No.:	L021907-01	L021907-02	L021907-03	L021907-04				
Client Sample I.D.:	GEW 50	GEW 52	GEW 7	GEW 8				
Date/Time Sampled:	2/17/20 8:18	2/17/20 8:27	2/17/20 8:39	2/17/20 8:49				
Date/Time Analyzed:	2/24/20 10:37	2/24/20 10:52	2/24/20 11:06	2/24/20 11:21				
QC Batch No.:	200224GC8A1	200224GC8A1	200224GC8A1	200224GC8A1				
Analyst Initials:	CM	CM	CM	CM				
Dilution Factor:	2.9	2.8	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	0.029	ND d	0.028	ND d	0.028	1.3 d	0.028
Carbon Dioxide	36	0.029	37	0.028	40	0.028	41	0.028
Oxygen/Argon	ND	1.4	ND	1.4	ND	1.4	ND	1.4
Nitrogen	9.5	2.9	11	2.8	4.3	2.8	2.8	2.8
Methane	54	0.0029	51	0.0028	55	0.0028	54	0.0028
Carbon Monoxide	ND	0.0029	ND	0.0028	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 200225GC8A2

Reviewed/Approved By: Mark Johnson
 Operations Manager

Date: 2/26/20

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: 02/19/20
Matrix: Air
Reporting Units: % v/v

ASTM D1946

Lab No.:	L021907-09	L021907-10	L021907-11	L021907-12				
Client Sample I.D.:	GEW 55	GEW 40	GEW 41R	GEW 42R				
Date/Time Sampled:	2/17/20 9:41	2/17/20 9:49	2/17/20 9:58	2/17/20 10:33				
Date/Time Analyzed:	2/24/20 12:33	2/24/20 12:48	2/24/20 13:02	2/24/20 13:17				
QC Batch No.:	200224GC8A1	200224GC8A1	200224GC8A1	200224GC8A1				
Analyst Initials:	CM	CM	CM	CM				
Dilution Factor:	2.9	2.9	2.9	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	1.4 d	0.029	ND d	0.029	ND d	0.029	ND d	0.028
Carbon Dioxide	40	0.029	32	0.029	33	0.029	37	0.028
Oxygen/Argon	ND	1.4	ND	1.4	ND	1.4	ND	1.4
Nitrogen	5.5	2.9	10.0	2.9	12	2.9	6.5	2.8
Methane	52	0.0029	57	0.0029	53	0.0029	56	0.0028
Carbon Monoxide	ND	0.0029	ND	0.0029	ND	0.0029	ND	0.0028

Results normalized including non-methane hydrocarbons

ND = Not Detected (below RL)

RL = Reporting Limit

d = Analyzed by secondary analysis, batch number 200225GC8A2

Reviewed/Approved By: Mark Johnson
 Mark Johnson
 Operations Manager

Date 2/26/20

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: 02/19/20
Matrix: Air
Reporting Units: % v/v

ASTM D1946

Lab No.:	L021907-13	L021907-14	L021907-15	L021907-16				
Client Sample I.D.:	GEW 43R	GEW 44	GEW 49	GEW 45R				
Date/Time Sampled:	2/17/20 10:45	2/17/20 10:55	2/17/20 11:05	2/17/20 11:16				
Date/Time Analyzed:	2/24/20 13:32	2/24/20 13:46	2/24/20 14:01	2/24/20 14:16				
QC Batch No.:	200224GC8A1	200224GC8A1	200224GC8A1	200224GC8A1				
Analyst Initials:	CM	CM	CM	CM				
Dilution Factor:	2.9	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	0.12 d	0.029	ND d	0.030	ND d	0.030	ND d	0.030
Carbon Dioxide	39	0.029	31	0.030	37	0.030	37	0.030
Oxygen/Argon	ND	1.4	ND	1.5	ND	1.5	ND	1.5
Nitrogen	5.6	2.9	21	3.0	8.7	3.0	6.8	3.0
Methane	55	0.0029	46	0.0030	53	0.0030	55	0.0030
Carbon Monoxide	ND	0.0029	ND	0.0030	ND	0.0030	ND	0.0030

Results normalized including non-methane hydrocarbons

ND = Not Detected (below RL)

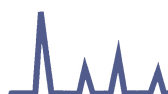
RL = Reporting Limit

d = Analyzed by secondary analysis, batch number 200225GC8A2

Reviewed/Approved By: Mark Johnson
 Mark Johnson
 Operations Manager

Date 2/26/20

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: 02/19/20
Matrix: Air
Reporting Units: % v/v

ASTM D1946

Lab No.:	L021907-17	L021907-18	L021907-19	L021907-20				
Client Sample I.D.:	GEW 46R	GEW 2	GEW 2S	GEW 3				
Date/Time Sampled:	2/17/20 11:35	2/17/20 11:43	2/17/20 11:53	2/18/20 8:37				
Date/Time Analyzed:	2/24/20 14:30	2/24/20 14:45	2/24/20 14:59	2/24/20 15:14				
QC Batch No.:	200224GC8A1	200224GC8A1	200224GC8A1	200224GC8A1				
Analyst Initials:	CM	CM	CM	CM				
Dilution Factor:	2.9	2.9	3.0	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	0.054 d	0.029	ND d	0.029	ND d	0.030	ND d	0.028
Carbon Dioxide	37	0.029	36	0.029	33	0.030	38	0.028
Oxygen/Argon	ND	1.4	ND	1.4	1.6	1.5	ND	1.4
Nitrogen	9.9	2.9	14	2.9	7.5	3.0	8.5	2.8
Methane	52	0.0029	50	0.0029	58	0.0030	52	0.0028
Carbon Monoxide	ND	0.0029	ND	0.0029	ND	0.0030	ND	0.0028

Results normalized including non-methane hydrocarbons

ND = Not Detected (below RL)

RL = Reporting Limit

d = Analyzed by secondary analysis, batch number 200225GC8A2

Reviewed/Approved By: Mark Johnson
 Mark Johnson
 Operations Manager

Date: 2/26/20

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: 02/19/20
Matrix: Air
Reporting Units: % v/v

ASTM D1946

Lab No.:	L021907-21	L021907-22	L021907-23	L021907-24				
Client Sample I.D.:	GEW 4	GEW 47R	GEW 5	GEW 48				
Date/Time Sampled:	2/18/20 8:47	2/18/20 8:58	2/18/20 9:13	2/18/20 9:23				
Date/Time Analyzed:	2/24/20 17:11	2/24/20 17:25	2/24/20 17:40	2/24/20 17:54				
QC Batch No.:	200224GC8A2	200224GC8A2	200224GC8A2	200224GC8A2				
Analyst Initials:	CM	CM	CM	CM				
Dilution Factor:	2.8	2.8	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	0.037 d	0.028	ND d	0.028	ND d	0.028	ND d	0.028
Carbon Dioxide	38	0.028	33	0.028	33	0.028	37	0.028
Oxygen/Argon	ND	1.4	2.5	1.4	ND	1.4	ND	1.4
Nitrogen	9.0	2.8	20	2.8	19	2.8	8.2	2.8
Methane	53	0.0028	45	0.0028	47	0.0028	54	0.0028
Carbon Monoxide	ND	0.0028	ND	0.0028	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 200225GC8A3

Reviewed/Approved By: Mark Johnson
 Mark Johnson
 Operations Manager

Date: 2/26/20

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Client: Republic Services
 Attn: Mike Lambrich
 Project Name: Bridgeton Landfill
 Project No.: NA
 Date Received: 02/19/20
 Matrix: Air
 Reporting Units: % v/v

ASTM D1946

Lab No.:	L021907-25	L021907-26	L021907-27	L021907-28				
Client Sample I.D.:	GEW 6	GEW 56R	GEW 10	GEW 110				
Date/Time Sampled:	2/18/20 9:37	2/12/20 14:33	2/13/20 8:48	2/13/20 9:01				
Date/Time Analyzed:	2/24/20 18:09	2/24/20 18:23	2/24/20 18:38	2/24/20 18:52				
QC Batch No.:	200224GC8A2	200224GC8A2	200224GC8A2	200224GC8A2				
Analyst Initials:	CM	CM	CM	CM				
Dilution Factor:	2.8	2.8	2.7	2.5				
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	6.1	2.8	0.13 d	0.027	8.1	2.5
Carbon Dioxide	35	0.028	42	0.028	41	0.027	33	0.025
Oxygen/Argon	ND	1.4	ND	1.4	ND	1.3	7.5	1.3
Nitrogen	11	2.8	4.8	2.8	ND	2.7	26	2.5
Methane	53	0.0028	46	0.0028	56	0.0027	26	0.0025
Carbon Monoxide	ND	0.0028	0.0090	0.0028	ND	0.0027	0.014	0.0025

Results normalized including non-methane hydrocarbons

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Reviewed/Approved By: Mark Johnson
 Operations Manager

Date 2/26/20

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: 02/19/20
Matrix: Air
Reporting Units: % v/v

ASTM D1946

Lab No.:	L021907-29	L021907-30	L021907-31	L021907-32				
Client Sample I.D.:	GEW 162	GEW 161	GEW 160	GEW 91				
Date/Time Sampled:	2/13/20 10:09	2/13/20 10:28	2/17/20 8:03	2/17/20 8:13				
Date/Time Analyzed:	2/24/20 19:07	2/24/20 19:22	2/24/20 19:36	2/24/20 19:51				
QC Batch No.:	200224GC8A2	200224GC8A2	200224GC8A2	200224GC8A2				
Analyst Initials:	CM	CM	CM	CM				
Dilution Factor:	2.7	2.5	2.9	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	15	2.7	36	2.5	17	2.9	41	2.8
Carbon Dioxide	65	0.027	54	0.025	39	0.029	51	0.028
Oxygen/Argon	ND	1.3	ND	1.3	ND	1.4	ND	1.4
Nitrogen	6.0	2.7	3.6	2.5	19	2.9	ND	2.8
Methane	14	0.0027	5.4	0.0025	24	0.0029	3.6	0.0028
Carbon Monoxide	0.065	0.0027	0.13	0.0025	0.040	0.0029	0.039	0.0028

Results normalized including non-methane hydrocarbons

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RL = Reporting Limit

Reviewed/Approved By: Mark Johnson
 Mark Johnson
 Operations Manager

Date: 2/20/20

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: 02/19/20
Matrix: Air
Reporting Units: % v/v

ASTM D1946

Lab No.:	L021907-33	L021907-34	L021907-35	L021907-36				
Client Sample I.D.:	GIW 1	GIW 2	GIW 3	GIW 4				
Date/Time Sampled:	2/17/20 8:24	2/17/20 8:33	2/17/20 8:42	2/17/20 8:51				
Date/Time Analyzed:	2/24/20 20:05	2/24/20 20:20	2/24/20 20:34	2/24/20 20:49				
QC Batch No.:	200224GC8A2	200224GC8A2	200224GC8A2	200224GC8A2				
Analyst Initials:	CM	CM	CM	CM				
Dilution Factor:	2.9	2.8	2.9	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	16	2.9	17	2.8	13	2.9	27	2.8
Carbon Dioxide	51	0.029	53	0.028	45	0.029	46	0.028
Oxygen/Argon	3.2	1.4	ND	1.4	1.8	1.4	1.7	1.4
Nitrogen	11	2.9	22	2.8	19	2.9	7.1	2.8
Methane	19	0.0029	6.1	0.0028	20	0.0029	17	0.0028
Carbon Monoxide	0.055	0.0029	0.087	0.0028	0.049	0.0029	0.093	0.0028

Results normalized including non-methane hydrocarbons

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Reviewed/Approved By: Mark Johnson
 Mark Johnson
 Operations Manager

Date: 2/26/20

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Client: Republic Services
Attn: Mike Lambrich
Project Name: Bridgeton Landfill
Project No.: NA
Date Received: 02/19/20
Matrix: Air
Reporting Units: % v/v

ASTM D1946

Lab No.:	L021907-37	L021907-38	L021907-39	L021907-40				
Client Sample I.D.:	GIW 5	GIW 6	GIW 7	GIW 8				
Date/Time Sampled:	2/17/20 9:00	2/17/20 9:14	2/17/20 9:22	2/17/20 9:31				
Date/Time Analyzed:	2/24/20 21:04	2/24/20 21:18	2/24/20 21:33	2/24/20 21:47				
QC Batch No.:	200224GC8A2	200224GC8A2	200224GC8A2	200224GC8A2				
Analyst Initials:	CM	CM	CM	CM				
Dilution Factor:	2.9	2.9	2.8	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	0.065 d	0.029	5.9	2.9	ND d	0.028	ND d	0.030
Carbon Dioxide	1.5	0.029	38	0.029	42	0.028	43	0.030
Oxygen/Argon	23	1.4	ND	1.4	ND	1.4	ND	1.5
Nitrogen	76	2.9	17	2.9	3.2	2.8	4.3	3.0
Methane	0.32	0.0029	38	0.0029	54	0.0028	52	0.0030
Carbon Monoxide	ND	0.0029	0.0045	0.0029	ND	0.0028	ND	0.0030

Results normalized including non-methane hydrocarbons

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d = Analyzed by secondary analysis, batch number 200225GC8A3

Reviewed/Approved By: Mark Johnson
 Mark Johnson
 Operations Manager

Date: 2/20/20

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: 02/19/20
Matrix: Air
Reporting Units: % v/v

ASTM D1946

Lab No.:	L021907-41	L021907-42	L021907-43	L021907-44				
Client Sample I.D.:	GIW 9	GIW 10	GIW 11	GIW 12				
Date/Time Sampled:	2/17/20 9:40	2/17/20 10:13	2/17/20 10:22	2/17/20 10:31				
Date/Time Analyzed:	2/24/20 23:43	2/24/20 23:58	2/25/20 0:12	2/25/20 8:59				
QC Batch No.:	200225GC8A1	200225GC8A1	200225GC8A1	200225GC8A1				
Analyst Initials:	CM	CM	CM	CM				
Dilution Factor:	2.9	2.9	2.9	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	15	2.9	8.6	2.9	3.4 d	0.029	4.6 d	0.030
Carbon Dioxide	39	0.029	32	0.029	33	0.029	34	0.030
Oxygen/Argon	3.3	1.4	1.6	1.4	1.5	1.4	2.6	1.5
Nitrogen	17	2.9	30	2.9	35	2.9	28	3.0
Methane	26	0.0029	27	0.0029	27	0.0029	32	0.0030
Carbon Monoxide	0.020	0.0029	0.015	0.0029	0.023	0.0029	0.018	0.0030

Results normalized including non-methane hydrocarbons

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Reviewed/Approved By: Mark Johnson
 Mark Johnson
 Operations Manager

Date 2/26/20

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: 02/19/20
Matrix: Air
Reporting Units: % v/v

ASTM D1946

Lab No.:	L021907-45	L021907-46	L021907-47	L021907-48				
Client Sample I.D.:	GIW 13	GEW 108	GEW 187	GEW 109				
Date/Time Sampled:	2/17/20 10:40	2/17/20 10:50	2/17/20 11:00	2/17/20 11:16				
Date/Time Analyzed:	2/25/20 9:14	2/25/20 9:30	2/25/20 9:45	2/25/20 9:59				
QC Batch No.:	200225GC8A1	200225GC8A1	200225GC8A1	200225GC8A1				
Analyst Initials:	CM	CM	CM	CM				
Dilution Factor:	3.0	3.0	1.5	2.9				
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	7.8	3.0	15	3.0	0.92 d	0.015	ND d	0.029
Carbon Dioxide	44	0.030	41	0.030	23	0.015	42	0.029
Oxygen/Argon	ND	1.5	2.0	1.5	13	0.77	3.2	1.4
Nitrogen	4.1	3.0	6.7	3.0	44	1.5	11	2.9
Methane	43	0.0030	35	0.0030	18	0.0015	43	0.0029
Carbon Monoxide	0.010	0.0030	0.031	0.0030	0.0051	0.0015	ND	0.0029

Results normalized including non-methane hydrocarbons

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RL = Reporting Limit

d = Analyzed by secondary analysis, batch number 200225GC8A3

Reviewed/Approved By: Mark Johnson
 Mark Johnson
 Operations Manager

Date: 2/20/20

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: 02/19/20
Matrix: Air
Reporting Units: % v/v

ASTM D1946

Lab No.:	L021907-49						
Client Sample I.D.:	GEW 39						
Date/Time Sampled:	2/17/20 11:36						
Date/Time Analyzed:	2/25/20 10:14						
QC Batch No.:	200225GC8A1						
Analyst Initials:	CM						
Dilution Factor:	3.0						
ANALYTE	Result % v/v	RL % v/v					
Hydrogen	ND d	0.030					
Carbon Dioxide	32	0.030					
Oxygen/Argon	2.2	1.5					
Nitrogen	29	3.0					
Methane	36	0.0030					
Carbon Monoxide	ND	0.0030					

Results normalized including non-methane hydrocarbons

ND = Not Detected (below RL)

RL = Reporting Limit

d = Analyzed by secondary analysis, batch number 200225GC8A3

Reviewed/Approved By: Mark Johnson
 Mark Johnson
 Operations Manager

Date 2/26/20

The cover letter is an integral part of this analytical report




QC Batch No: 200224GC8A1
 Matrix: Air
 Reporting Units: % v/v

**ASTM D1946
LABORATORY CONTROL SAMPLE SUMMARY**

Lab No.:	METHOD BLANK			LCS		LCSD					
Date Analyzed:	2/24/20 9:47			2/24/20 10:05		2/24/20 10:22					
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	5.00	100	5.01	100	0.3	70	130	30
Carbon Dioxide	ND	0.010	10	9.20	92	9.17	92	0.3	70	130	30
Oxygen/Argon	ND	0.50	15	16.5	112	16.6	112	0.2	70	130	30
Nitrogen	ND	1.0	70	71.3	102	71.3	102	0.0	70	130	30
Methane	ND	0.0010	0.10	0.104	104	0.104	104	0.1	70	130	30
Carbon Monoxide	ND	0.0010	0.10	0.103	103	0.103	103	0.0	70	130	30

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

Reviewed/Approved By: 
 Mark Johnson
 Operations Manager

Date: 2/24/20

The cover letter is an integral part of this analytical report




QC Batch No: 200224GC8A2
Matrix: Air
Reporting Units: % v/v

**ASTM D1946
LABORATORY CONTROL SAMPLE SUMMARY**

Lab No.:	METHOD BLANK			LCS		LCSD					
Date Analyzed:	2/24/20 16:27			2/24/20 16:41		2/24/20 16:56					
Analyst Initials:	CM			CM		CM					
Dilution Factor:	1.0			1.0		1.0					
ANALYTE	Result % v/v	RL % v/v	SPIKE AMT. % v/v	Result % v/v	% Rec.	Result % v/v	% Rec.	RPD %	Limits		
									Low %Rec	High %Rec	Max. RPD
Hydrogen	ND	1.0	5.0	4.80	96	4.84	97	0.7	70	130	30
Carbon Dioxide	ND	0.010	10	9.07	91	9.07	90	0.0	70	130	30
Oxygen/Argon	ND	0.50	15	16.6	112	16.6	112	0.0	70	130	30
Nitrogen	ND	1.0	70	71.3	102	71.2	102	0.1	70	130	30
Methane	ND	0.0010	0.10	0.104	104	0.104	104	0.3	70	130	30
Carbon Monoxide	ND	0.0010	0.10	0.102	102	0.102	102	0.3	70	130	30

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

Reviewed/Approved By: 
Mark Johnson
Operations Manager

Date 2/25/20

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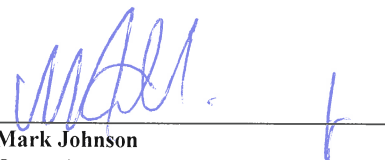


QC Batch No: 200225GC8A1
Matrix: Air
Reporting Units: % v/v

**ASTM D1946
LABORATORY CONTROL SAMPLE SUMMARY**

Lab No.:	METHOD BLANK			LCS		LCSD					
Date Analyzed:	2/24/20 23:00			2/25/20 8:15		2/25/20 8:29					
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	5.03	101	5.06	101	0.5	70	130	30
Carbon Dioxide	ND	0.010	10	9.03	90	8.96	89	0.7	70	130	30
Oxygen/Argon	ND	0.50	15	16.4	111	16.5	111	0.5	70	130	30
Nitrogen	ND	1.0	70	70.8	101	71.2	102	0.6	70	130	30
Methane	ND	0.0010	0.10	0.106	106	0.105	105	1.1	70	130	30
Carbon Monoxide	ND	0.0010	0.10	0.101	101	0.105	105	4.6	70	130	30

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

Reviewed/Approved By: 
Mark Johnson
Operations Manager

Date 2/26/20

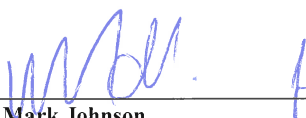
The cover letter is an integral part of this analytical report

QC Batch No: 200225GC8A2
 Matrix: Air
 Reporting Units: % v/v

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

Lab No.:	METHOD BLANK			LCS		LCSD					
Date Analyzed:	2/25/20 12:24			2/25/20 12:29		2/25/20 12:34					
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	0.855	86	0.858	86	0.3	70	130	30

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

Reviewed/Approved By: 
 Mark Johnson
 Operations Manager

Date 2/26/20

The cover letter is an integral part of this analytical report

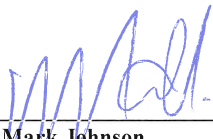


QC Batch No: 200225GC8A3
 Matrix: Air
 Reporting Units: % v/v

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

Lab No.:	METHOD BLANK			LCS			LCSD				
Date Analyzed:	2/25/20 14:23			2/25/20 14:28			2/25/20 14:33				
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	0.856	86	0.850	85	0.6	70	130	30

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

Reviewed/Approved By: _____

 Mark Johnson
 Operations Manager

Date 2/26/20

The cover letter is an integral part of this analytical report



March 3, 2020

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: L022801-01/02

Enclosed are results for sample(s) received 2/28/20 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, Erin Fanning and Anthony Kimutis; Michele Clark, Dustin Thoenen and Don Murphy, Weaver Consultants Group; and Jan Feezor, Feezor Engineering on 3/02/20.

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.

AIR 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

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	Sample Start	Sample End	SAMPLE IDENTIFICATION	SAMPLE DATE	SAMPLE TIME	CONTAINER QTY/TYPE	MATRIX	PRESERVATION	CHAIN OF CUSTODY RECORD							
										TURNAROUND TIME	DELIVERABLES	PAGE:	1 OF 1				
L022801-01	5903	-21.2	-5	GEW 47R	2/27/2020	10:48	C	LFG	NA	X							
L022801-02	5320	-21.2	-5	GEW 2S	2/27/2020	11:04	C	LFG	NA	X							

AUTHORIZATION TO PERFORM WORK: Dave Penoyer COMPANY: Republic Services

SAMPLED BY: Anthony Kimutis DATE/TIME: 2/27/2020

RELINQUISHED BY: [Signature] DATE/TIME: 2/27/2020 RECEIVED BY: Republic Services

RELINQUISHED BY: [Signature] DATE/TIME: 2/28/20 RECEIVED BY: [Signature] - 2/28/20 DATE/TIME: 2/28/20

RELINQUISHED BY: [Signature] DATE/TIME: RECEIVED BY: DATE/TIME:

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

COMMENTS:

Client: Republic Services
Attn: Mike Lambrich
Project Name: Bridgeton Landfill
Project No.: NA
Date Received: 02/28/20
Matrix: Air
Reporting Units: % v/v

ASTM D1946

Lab No.:	L022801-01	L022801-02						
Client Sample I.D.:	GEW 47R	GEW 2S						
Date/Time Sampled:	2/27/20 10:48	2/27/20 11:04						
Date/Time Analyzed:	2/28/20 14:33	2/28/20 14:48						
QC Batch No.:	200228GC8A1	200228GC8A1						
Analyst Initials:	CM	CM						
Dilution Factor:	2.8	2.8						
ANALYTE	Result % v/v	RL % v/v	Result % v/v	RL % v/v				
Hydrogen	0.035 d	0.028	ND d	0.028				
Carbon Dioxide	36	0.028	33	0.028				
Oxygen/Argon	ND	1.4	ND	1.4				
Nitrogen	13	2.8	8.5	2.8				
Methane	49	0.0028	57	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 200302GC8A1

Reviewed/Approved By: Mark Johnson Date 3/2/20
 Mark Johnson
 Operations Manager

The cover letter is an integral part of this analytical report



QC Batch No: 200228GC8A1
Matrix: Air
Reporting Units: % v/v

**ASTM D1946
LABORATORY CONTROL SAMPLE SUMMARY**

Lab No.:	METHOD BLANK			LCS		LCSD					
Date Analyzed:	2/28/20 8:54			2/28/20 9:24		2/28/20 9:38					
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	4.59	92	4.57	91	0.3	70	130	30
Carbon Dioxide	ND	0.010	10	8.88	89	8.88	89	0.1	70	130	30
Oxygen/Argon	ND	0.50	15	16.3	110	16.3	110	0.0	70	130	30
Nitrogen	ND	1.0	70	70.4	101	70.5	101	0.1	70	130	30
Methane	ND	0.0010	0.10	0.112	112	0.112	112	0.4	70	130	30
Carbon Monoxide	ND	0.0010	0.10	0.104	104	0.104	104	0.5	70	130	30

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

Reviewed/Approved By: _____
Mark Johnson
 Mark Johnson
 Operations Manager

Date 3/2/20

The cover letter is an integral part of this analytical report



QC Batch No: 200302GC8A1
Matrix: Air
Reporting Units: % v/v

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

Lab No.:	METHOD BLANK			LCS		LCSD					
Date Analyzed:	3/2/20 9:15			3/2/20 9:20		3/2/20 9:25					
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	0.814	81	0.813	81	0.1	70	130	30

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

Reviewed/Approved By: _____
Mark Johnson
Mark Johnson
Operations Manager

Date 3/2/20

The cover letter is an integral part of this analytical report

ATTACHMENT D

GAS WELLFIELD DATA

ATTACHMENT D-1

WELLFIELD DATA TABLE

February 2020 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	2/7/2020 9:27:29 AM	55.2	38.7	0.0	6.1	110.1	110.0	21.79	19.50	-1.40	-1.39	-13.98
GEW-002	2/14/2020 2:40:19 PM	50.3	38.7	0.0	11.0	93.1	94.0	48.99	51.00	-2.44	-2.50	-13.65
GEW-002	2/17/2020 11:40:32 AM	49.6	37.3	0.0	13.1	97.2	105.0	33.45	39.61	-2.42	-2.56	-14.14
GEW-002	2/17/2020 11:45:54 AM	50.0	36.2	0.0	13.8	92.4	92.4	18.38	18.38	-1.38	-1.38	-13.65
GEW-002	2/28/2020 8:27:08 AM	54.9	41.3	0.0	3.8	108.2	108.3	19.51	23.11	-0.35	-0.35	-14.21
GEW-003	2/7/2020 9:33:39 AM	54.7	41.3	0.0	4.0	105.5	105.7	4.41	4.19	-0.96	-0.99	-13.65
GEW-003	2/14/2020 3:08:00 PM	55.6	38.2	0.0	6.2	103.0	102.8	17.01	14.16	-0.17	-0.16	-13.40
GEW-003	2/18/2020 8:33:34 AM	54.8	38.7	0.0	6.5	102.1	102.1	11.53	12.45	-1.40	-1.42	-13.53
GEW-003	2/18/2020 8:39:59 AM	54.4	38.4	0.0	7.2	101.3	101.1	21.42	22.92	-1.20	-1.21	-13.34
GEW-003	2/28/2020 8:32:29 AM	53.1	41.3	0.0	5.6	101.4	101.3	5.44	5.44	-0.29	-0.29	-13.31
GEW-004	2/7/2020 9:37:21 AM	53.3	41.6	0.0	5.1	105.5	105.5	6.41	5.31	-0.96	-0.94	-13.73
GEW-004	2/14/2020 2:44:32 PM	53.1	37.2	0.0	9.7	105.5	105.0	3.89	11.22	-0.09	-0.10	-13.28
GEW-004	2/18/2020 8:43:43 AM	53.1	38.9	0.0	8.0	104.5	104.3	11.51	13.29	-1.20	-1.21	-13.83
GEW-004	2/18/2020 8:51:11 AM	53.0	38.8	0.0	8.2	103.0	102.5	8.59	12.74	-1.12	-1.16	-13.59
GEW-004	2/28/2020 8:35:16 AM	52.4	40.6	0.0	7.0	102.1	102.1	12.16	10.18	-0.27	-0.26	-13.53
GEW-005	2/7/2020 9:54:08 AM	48.7	38.7	0.0	12.6	70.7	70.9	13.15	13.50	-0.62	-0.61	-13.77
GEW-005	2/7/2020 9:55:38 AM	48.8	38.2	0.0	13.0	70.4	69.4	11.23	13.96	-0.59	-0.59	-13.35
GEW-005	2/14/2020 2:54:04 PM	54.1	38.8	0.0	7.1	65.1	64.9	12.62	12.62	0.26	0.26	-13.34
GEW-005	2/14/2020 2:56:25 PM	55.3	37.7	0.0	7.0	65.4	64.7	19.35	20.16	0.25	0.25	-13.28
GEW-005	2/17/2020 1:43:52 PM	55.9	39.4	0.0	4.7	84.4	84.5	27.83	25.53	-0.09	-0.08	-14.14
GEW-005	2/18/2020 9:10:29 AM	46.7	36.3	0.0	17.0	72.3	72.3	3.95	7.40	-0.93	-0.92	-13.40
GEW-005	2/18/2020 9:17:00 AM	47.9	34.0	0.0	18.1	72.0	71.7	10.08	7.91	-0.93	-0.93	-13.83
GEW-005	2/28/2020 8:44:43 AM	51.1	38.0	0.0	10.9	73.0	73.0	26.95	26.66	-0.09	-0.08	-13.44
GEW-006	2/7/2020 10:06:53 AM	55.2	38.7	0.0	6.1	77.8	77.8	14.28	13.45	-0.79	-0.80	-13.31
GEW-006	2/14/2020 3:02:28 PM	55.8	39.3	0.0	4.9	78.7	78.7	22.11	24.12	-0.05	-0.07	-13.77
GEW-006	2/18/2020 9:34:24 AM	53.7	36.4	0.0	9.9	75.9	75.9	15.99	15.75	-1.19	-1.20	-13.46
GEW-006	2/18/2020 9:40:36 AM	54.2	35.8	0.0	10.0	76.1	76.1	18.04	20.45	-1.19	-1.19	-13.53
GEW-006	2/28/2020 8:50:19 AM	54.4	38.3	0.0	7.3	77.0	76.9	30.99	31.24	-0.27	-0.29	-13.40
GEW-007	2/4/2020 2:12:48 PM	56.0	38.9	0.0	5.1	86.1	86.1	10.55	7.21	-6.22	-6.28	-13.83
GEW-007	2/14/2020 1:33:56 PM	57.1	37.9	0.0	5.0	87.5	87.5	18.69	15.18	-5.43	-5.43	-13.46
GEW-007	2/17/2020 8:35:29 AM	56.4	39.6	0.0	4.0	87.0	86.8	13.33	13.33	-6.28	-6.28	-13.71
GEW-007	2/17/2020 8:41:58 AM	56.8	39.6	0.0	3.6	86.9	87.0	12.76	11.54	-6.35	-6.35	-13.71
GEW-007	2/27/2020 2:23:20 PM	55.5	40.1	0.0	4.4	87.9	87.9	10.88	10.88	-5.41	-5.41	-13.57
GEW-008	2/4/2020 2:16:43 PM	53.5	40.3	0.0	6.2	108.4	108.1	26.65	25.53	-0.76	-0.74	-13.83
GEW-008	2/14/2020 1:37:20 PM	54.7	40.2	0.0	5.1	109.2	109.5	14.32	14.57	-0.47	-0.48	-13.95
GEW-008	2/17/2020 8:45:31 AM	54.4	40.6	0.0	5.0	109.4	109.5	21.28	21.28	-0.84	-0.85	-13.65
GEW-008	2/17/2020 8:51:37 AM	53.9	41.9	0.0	4.2	110.0	110.0	36.65	36.15	-0.85	-0.83	-13.28
GEW-008	2/27/2020 2:26:44 PM	53.5	41.6	0.0	4.9	109.2	109.5	15.04	13.23	-0.55	-0.57	-14.04
GEW-009	2/4/2020 2:20:16 PM	52.2	40.5	0.0	7.3	117.0	116.3	18.44	18.44	-0.06	-0.06	-13.83
GEW-009	2/14/2020 1:40:42 PM	54.3	40.6	0.0	5.1	120.7	120.2	31.81	31.72	0.11	0.12	-13.40
GEW-009	2/14/2020 1:42:08 PM	54.2	41.0	0.0	4.8	120.2	120.7	35.40	35.69	0.11	0.11	-13.28

February 2020 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-009	2/17/2020 8:55:18 AM	52.0	41.6	0.0	6.4	119.0	118.4	27.65	28.29	-0.09	-0.08	-13.59
GEW-009	2/17/2020 9:02:07 AM	51.9	41.6	0.0	6.5	118.9	118.7	8.06	9.68	-0.03	-0.03	-13.40
GEW-009	2/27/2020 2:30:30 PM	53.0	42.0	0.0	5.0	119.2	120.5	7.89	7.95	-0.02	-0.02	-12.97
GEW-009	2/27/2020 2:33:06 PM	53.1	41.9	0.0	5.0	120.7	119.4	7.97	8.54	-0.02	-0.05	-13.31
GEW-010	2/5/2020 8:46:14 AM	56.0	41.5	0.0	2.5	64.1	65.0	3.42	2.45	-5.95	-5.95	-19.58
GEW-010	2/13/2020 8:24:14 AM	57.3	40.8	0.0	1.9	51.7	51.7	93.12	93.12	-6.59	-6.59	-20.51
GEW-010	2/13/2020 8:45:28 AM	57.5	40.5	0.0	2.0	51.3	51.6	93.52	93.52	-6.80	-6.80	-20.76
GEW-010	2/13/2020 8:51:30 AM	56.5	40.9	0.0	2.6	51.0	51.0	89.97	89.91	-7.05	-7.05	-20.68
GEW-010	2/20/2020 8:36:10 AM	56.8	42.0	0.0	1.2	61.1	61.4	1.94	2.83	-6.29	-6.29	-20.13
GEW-010	2/26/2020 8:45:52 AM	57.5	38.6	0.0	3.9	61.8	61.9	4.15	2.07	-6.09	-6.09	-19.95
GEW-013A	2/3/2020 9:08:51 AM	10.5	61.6	0.0	27.9	191.6	191.6	38.17	38.28	-8.10	-8.10	-19.66
GEW-013A	2/3/2020 9:09:57 AM	10.6	61.5	0.0	27.9	191.6	191.6	38.52	38.58	-8.10	-8.10	-19.41
GEW-013A	2/17/2020 2:17:21 PM	11.0	60.6	0.0	28.4	192.3	192.3	40.10	39.88	-7.30	-7.30	-18.86
GEW-013A	2/17/2020 2:18:39 PM	10.9	60.8	0.0	28.3	192.3	192.3	39.73	39.60	-7.30	-7.30	-18.94
GEW-015	2/3/2020 1:47:00 PM	22.9	48.6	0.0	28.5	100.9	100.9	3.50	3.68	-2.74	-2.74	-18.27
GEW-015	2/24/2020 3:04:27 PM	21.4	48.0	0.0	30.6	84.2	84.2	4.54	4.54	-2.91	-2.90	-19.53
GEW-016R	2/3/2020 1:59:40 PM	9.5	56.2	0.0	34.3	164.7	164.3	9.32	9.32	-2.83	-2.84	-18.01
GEW-016R	2/3/2020 2:01:11 PM	9.5	56.2	0.0	34.3	165.2	164.3	8.89	9.60	-2.83	-2.83	-18.18
GEW-016R	2/17/2020 2:19:40 PM	7.5	51.9	0.0	40.6	168.0	167.6	11.22	8.92	-3.06	-3.05	-19.46
GEW-016R	2/17/2020 2:20:57 PM	7.2	55.5	0.0	37.3	168.1	167.6	9.41	2.01	-3.05	-3.05	-19.52
GEW-018B	2/7/2020 1:56:45 PM	8.2	36.4	3.3	52.1	154.8	154.5	12.14	11.85	-13.72	-13.72	-18.39
GEW-018B	2/7/2020 1:58:06 PM	8.0	38.0	3.0	51.0	155.2	155.5	12.01	11.72	-13.72	-13.72	-18.65
GEW-018B	2/20/2020 9:38:29 AM	6.1	39.1	2.9	51.9	182.7	182.7	14.44	14.44	-9.67	-9.67	-20.55
GEW-018B	2/20/2020 9:39:31 AM	6.2	38.5	2.7	52.6	182.7	182.7	14.16	14.06	-9.67	-9.67	-20.47
GEW-019A	2/7/2020 2:31:42 PM	2.1	56.0	4.7	37.2	43.4	43.4	4.32	2.40	-17.73	-17.73	-18.27
GEW-019A	2/24/2020 8:05:51 AM	0.8	59.8	2.6	36.8	45.3	45.3	5.52	4.53	-18.91	-18.91	-20.00
GEW-039	2/6/2020 3:18:53 PM	33.9	36.4	1.2	28.5	101.9	102.1	13.04	10.20	-0.14	-0.14	-19.92
GEW-039	2/14/2020 2:17:13 PM	35.5	34.7	0.7	29.1	104.7	104.8	26.18	26.46	-0.13	-0.13	-19.87
GEW-039	2/17/2020 11:33:30 AM	37.6	35.2	0.7	26.5	104.5	104.3	9.36	11.46	-0.15	-0.15	-20.89
GEW-039	2/17/2020 11:39:11 AM	37.5	34.6	0.8	27.1	103.8	103.8	14.04	12.38	-0.18	-0.17	-20.42
GEW-039	2/26/2020 10:48:25 AM	25.7	31.6	2.6	40.1	103.3	103.5	14.12	14.89	-0.15	-0.15	-20.84
GEW-040	2/6/2020 2:37:12 PM	56.8	36.9	0.0	6.3	36.0	36.0	9.67	9.67	-0.21	-0.21	-13.14
GEW-040	2/14/2020 2:07:02 PM	55.9	34.3	0.0	9.8	40.8	40.8	18.02	23.08	-0.32	-0.35	-13.28
GEW-040	2/17/2020 9:46:24 AM	55.8	36.3	0.0	7.9	43.8	43.7	8.14	7.61	-0.31	-0.30	-13.28
GEW-040	2/17/2020 9:52:34 AM	57.4	33.7	0.0	8.9	43.4	43.4	11.15	9.10	-0.33	-0.34	-13.22
GEW-040	2/27/2020 3:00:49 PM	52.9	35.3	0.0	11.8	47.0	47.0	7.58	8.10	-0.31	-0.32	-13.02
GEW-041R	2/6/2020 2:40:32 PM	56.0	35.4	0.0	8.6	49.1	49.3	14.01	14.01	-0.04	-0.04	-13.56
GEW-041R	2/14/2020 2:11:22 PM	54.7	33.9	0.0	11.4	51.6	52.8	12.00	12.02	-0.02	-0.02	-13.28
GEW-041R	2/17/2020 9:55:32 AM	54.7	34.8	0.0	10.5	53.1	53.2	9.46	8.56	-0.02	-0.03	-13.28
GEW-041R	2/17/2020 10:01:44 AM	54.3	34.6	0.0	11.1	53.7	53.7	10.67	9.46	-0.02	-0.02	-13.28
GEW-041R	2/27/2020 3:04:12 PM	53.5	35.0	0.0	11.5	55.4	56.2	7.38	7.38	-0.02	-0.02	-12.97

February 2020 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-042R	2/6/2020 2:44:08 PM	57.7	38.2	0.0	4.1	94.6	94.8	6.66	6.08	-2.94	-2.96	-11.46
GEW-042R	2/14/2020 2:14:56 PM	55.4	37.4	0.0	7.2	98.9	98.7	23.13	23.13	-3.02	-3.02	-13.46
GEW-042R	2/17/2020 10:29:51 AM	57.3	37.2	0.0	5.5	99.0	99.4	10.86	9.40	-2.95	-2.95	-12.42
GEW-042R	2/17/2020 10:36:40 AM	56.3	38.1	0.0	5.6	99.6	99.4	40.68	40.50	-3.03	-3.02	-13.04
GEW-042R	2/27/2020 3:07:10 PM	55.9	38.0	0.0	6.1	99.9	99.9	9.76	11.49	-3.03	-3.03	-13.36
GEW-043R	2/6/2020 2:48:14 PM	56.5	38.9	0.0	4.6	113.0	113.5	12.62	12.62	-0.84	-0.84	-13.61
GEW-043R	2/14/2020 2:17:52 PM	55.3	38.3	0.0	6.4	114.0	113.9	39.08	33.49	-0.77	-0.71	-13.22
GEW-043R	2/17/2020 10:42:00 AM	54.9	39.7	0.0	5.4	113.7	113.6	29.37	29.49	-0.98	-0.98	-13.95
GEW-043R	2/17/2020 10:47:58 AM	55.2	38.6	0.0	6.2	114.0	114.1	38.34	37.77	-1.00	-0.98	-13.59
GEW-043R	2/27/2020 3:10:33 PM	54.7	40.0	0.0	5.3	113.7	113.2	13.97	13.97	-0.83	-0.83	-13.53
GEW-044	2/6/2020 2:53:14 PM	53.4	38.0	0.0	8.6	36.7	37.5	11.42	11.22	-0.05	-0.05	-13.52
GEW-044	2/14/2020 2:27:17 PM	47.9	33.9	0.0	18.2	52.3	52.5	6.79	7.36	-0.14	-0.14	-13.28
GEW-044	2/17/2020 10:51:53 AM	46.1	35.0	0.0	18.9	54.3	54.0	11.03	11.03	-0.19	-0.18	-13.04
GEW-044	2/17/2020 10:58:19 AM	47.0	33.8	0.0	19.2	51.8	51.8	9.90	9.90	-0.04	-0.04	-13.28
GEW-044	2/28/2020 1:23:43 PM	43.7	33.1	0.0	23.2	54.4	54.4	6.97	8.54	-0.02	-0.03	-13.06
GEW-045R	2/7/2020 9:10:55 AM	57.1	39.6	0.0	3.3	82.5	82.7	5.35	5.55	-3.98	-3.98	-13.40
GEW-045R	2/14/2020 2:34:35 PM	54.7	38.5	0.0	6.8	83.5	83.5	24.41	14.74	-2.93	-2.85	-13.22
GEW-045R	2/17/2020 11:12:44 AM	55.7	39.0	0.0	5.3	83.3	83.0	8.70	8.25	-3.22	-3.22	-13.28
GEW-045R	2/17/2020 11:18:56 AM	55.5	39.1	0.0	5.4	83.1	83.0	9.53	9.53	-3.27	-3.27	-13.22
GEW-045R	2/28/2020 8:21:37 AM	54.7	40.0	0.0	5.3	78.4	78.8	7.80	8.72	-3.37	-3.37	-13.27
GEW-046R	2/7/2020 9:15:13 AM	54.5	39.3	0.0	6.2	60.2	61.8	5.69	4.97	-0.34	-0.34	-13.44
GEW-046R	2/14/2020 2:37:28 PM	52.0	39.4	0.0	8.6	68.8	69.0	15.56	15.56	-0.06	-0.06	-13.16
GEW-046R	2/17/2020 11:32:26 AM	53.4	37.1	0.0	9.5	70.5	70.5	10.12	10.50	-0.05	-0.04	-13.34
GEW-046R	2/17/2020 11:37:30 AM	52.7	37.6	0.0	9.7	71.8	72.0	9.71	9.71	-0.06	-0.06	-13.28
GEW-046R	2/27/2020 10:55:08 AM	53.0	37.8	0.0	9.2	67.1	67.5	6.28	7.43	-0.07	-0.11	-12.85
GEW-047R	2/7/2020 9:45:01 AM	49.1	40.0	0.0	10.9	92.7	92.9	20.40	19.85	-0.65	-0.63	-13.69
GEW-047R	2/7/2020 9:46:17 AM	49.0	39.8	0.0	11.2	92.3	92.1	18.48	18.28	-0.64	-0.64	-13.40
GEW-047R	2/14/2020 2:48:38 PM	54.0	39.4	0.0	6.6	92.0	91.0	8.55	7.59	0.21	0.20	-13.28
GEW-047R	2/14/2020 2:50:02 PM	53.6	41.0	0.0	5.4	91.9	92.0	42.99	42.99	0.09	0.09	-13.34
GEW-047R	2/17/2020 1:39:12 PM	54.4	39.7	0.0	5.9	96.2	96.2	23.11	23.27	0.28	0.27	-13.22
GEW-047R	2/17/2020 1:40:35 PM	53.6	40.2	0.0	6.2	97.4	97.2	23.59	23.67	0.23	0.24	-13.59
GEW-047R	2/18/2020 8:55:03 AM	48.6	37.2	0.0	14.2	95.8	95.8	8.65	9.48	-0.95	-0.94	-13.59
GEW-047R	2/18/2020 9:02:19 AM	48.8	36.5	0.0	14.7	94.8	95.0	39.29	39.09	-1.02	-1.01	-13.46
GEW-047R	2/27/2020 10:45:17 AM	52.0	37.7	0.0	10.3	96.5	96.5	9.07	11.92	-0.12	-0.10	-13.23
GEW-047R	2/27/2020 10:51:30 AM	50.8	37.2	0.0	12.0	96.0	96.0	9.87	9.87	-0.07	-0.05	-13.19
GEW-048	2/7/2020 9:58:55 AM	55.5	39.3	0.0	5.2	93.2	93.0	6.24	5.87	-0.97	-0.96	-13.98
GEW-048	2/14/2020 2:59:07 PM	55.6	37.1	0.0	7.3	92.9	92.9	36.97	32.29	-0.14	-0.09	-13.89
GEW-048	2/18/2020 9:19:51 AM	54.9	37.7	0.0	7.4	91.7	91.6	15.99	12.26	-1.36	-1.37	-14.26
GEW-048	2/18/2020 9:26:00 AM	55.0	37.1	0.0	7.9	91.5	91.5	14.51	10.97	-1.37	-1.34	-14.32
GEW-048	2/28/2020 8:47:35 AM	54.5	38.4	0.0	7.1	92.4	92.2	15.27	14.52	-0.37	-0.39	-13.95
GEW-049	2/6/2020 2:56:37 PM	55.9	38.3	0.0	5.8	57.4	57.7	15.01	14.19	0.12	0.12	-13.44

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Well Name	Date Sampled	Methane	CO ₂	O ₂	Balance Gas	Init Temp	Adj Temp	Init Flow	Adj Flow	Init Static Press	Adj Static Press	System Pressure
		(% vol)				°F		scfm		H ₂ O		
GEW-049	2/6/2020 2:58:12 PM	55.0	40.4	0.0	4.6	60.0	59.7	10.96	9.87	0.13	0.09	-13.48
GEW-049	2/7/2020 8:56:58 AM	48.5	35.4	0.0	16.1	58.0	58.4	10.33	10.48	-0.39	-0.40	-13.23
GEW-049	2/7/2020 8:58:36 AM	47.4	36.4	0.0	16.2	59.0	59.1	15.09	15.02	-0.40	-0.40	-13.44
GEW-049	2/14/2020 2:30:13 PM	49.3	35.9	0.0	14.8	61.4	61.6	3.64	4.61	0.32	0.31	-13.22
GEW-049	2/14/2020 2:31:33 PM	49.0	36.6	0.0	14.4	61.8	61.8	18.27	19.95	0.24	0.18	-13.16
GEW-049	2/17/2020 11:01:44 AM	54.5	39.3	0.0	6.2	63.8	64.4	7.99	7.47	0.08	0.07	-13.22
GEW-049	2/17/2020 11:07:49 AM	54.9	38.8	0.0	6.3	65.9	65.8	7.97	10.16	0.11	0.11	-13.28
GEW-049	2/18/2020 1:46:24 PM	46.7	34.7	0.0	18.6	60.4	60.4	10.97	10.60	-0.18	-0.18	-13.16
GEW-049	2/18/2020 1:47:59 PM	46.4	34.7	0.0	18.9	60.2	60.2	19.00	17.23	-0.23	-0.21	-13.22
GEW-049	2/28/2020 7:58:30 AM	51.6	37.5	0.0	10.9	47.6	47.8	11.46	11.09	-0.07	-0.05	-13.27
GEW-050	2/4/2020 2:03:00 PM	52.9	35.5	0.0	11.6	95.9	95.9	14.75	13.42	-0.24	-0.22	-6.92
GEW-050	2/4/2020 2:04:40 PM	52.3	35.9	0.0	11.8	95.4	95.0	11.23	10.85	-0.26	-0.25	-6.49
GEW-050	2/13/2020 10:45:13 AM	48.1	32.9	0.0	19.0	86.5	86.3	11.37	22.41	-0.90	-0.96	-6.55
GEW-050	2/17/2020 8:14:56 AM	54.9	37.7	0.0	7.4	95.8	95.8	13.70	13.14	-0.20	-0.19	-7.10
GEW-050	2/17/2020 8:21:28 AM	54.9	37.1	0.0	8.0	95.0	95.3	11.63	10.26	-0.20	-0.20	-6.30
GEW-050	2/27/2020 2:16:13 PM	54.5	36.6	0.0	8.9	99.2	99.4	14.80	11.07	-0.05	-0.02	-10.63
GEW-051	2/4/2020 2:25:35 PM	54.1	39.4	0.0	6.5	113.7	114.0	9.34	13.74	-0.48	-0.44	-13.89
GEW-051	2/14/2020 1:47:15 PM	53.5	40.5	0.0	6.0	116.0	116.6	24.05	23.67	-0.02	-0.02	-13.22
GEW-051	2/17/2020 9:06:46 AM	53.9	40.3	0.0	5.8	116.9	116.8	15.44	12.60	-0.60	-0.60	-13.77
GEW-051	2/17/2020 9:12:42 AM	54.8	40.1	0.0	5.1	116.7	116.6	31.91	32.69	-0.63	-0.60	-13.40
GEW-051	2/27/2020 2:39:25 PM	53.3	41.2	0.0	5.5	116.6	116.0	7.21	6.61	-0.24	-0.24	-13.74
GEW-052	2/4/2020 2:07:56 PM	52.5	37.2	0.0	10.3	71.2	71.4	16.48	15.94	0.15	0.14	-13.65
GEW-052	2/4/2020 2:09:29 PM	51.9	38.4	0.0	9.7	75.7	76.4	25.91	28.59	0.16	0.15	-13.65
GEW-052	2/6/2020 8:10:49 AM	56.5	40.6	0.0	2.9	87.9	88.6	18.27	15.97	-0.02	-0.01	-13.31
GEW-052	2/14/2020 1:29:43 PM	50.9	37.4	0.0	11.7	96.2	96.0	7.76	8.23	0.30	0.30	-13.40
GEW-052	2/14/2020 1:30:58 PM	50.9	37.6	0.0	11.5	96.5	96.6	18.18	17.98	0.21	0.23	-13.04
GEW-052	2/17/2020 8:24:29 AM	51.6	37.9	0.0	10.5	99.4	99.4	10.93	10.93	-0.06	-0.06	-13.53
GEW-052	2/17/2020 8:30:36 AM	51.5	37.7	0.0	10.8	98.7	98.4	10.59	11.92	-0.03	-0.04	-13.28
GEW-052	2/27/2020 2:19:10 PM	55.0	39.1	0.0	5.9	98.3	98.7	6.11	5.47	0.24	0.24	-12.97
GEW-052	2/27/2020 2:20:34 PM	54.5	40.0	0.0	5.5	99.6	99.9	8.19	7.22	0.24	0.22	-12.97
GEW-052	2/28/2020 7:50:12 AM	48.8	36.9	0.0	14.3	97.2	97.2	11.27	11.60	-0.06	-0.03	-13.70
GEW-053	2/6/2020 2:20:32 PM	50.9	40.7	0.0	8.4	141.2	141.5	17.05	8.32	-0.07	-0.09	-13.65
GEW-053	2/6/2020 2:21:44 PM	50.3	41.6	0.0	8.1	140.6	140.6	10.20	13.43	-0.06	-0.06	-13.48
GEW-053	2/14/2020 1:52:10 PM	49.9	39.9	0.0	10.2	140.9	141.2	31.08	20.60	-0.02	-0.08	-13.34
GEW-053	2/14/2020 1:54:40 PM	49.2	41.8	0.0	9.0	140.9	141.2	34.17	48.54	-0.02	-0.04	-13.34
GEW-053	2/17/2020 9:18:13 AM	49.8	42.4	0.0	7.8	140.9	140.6	8.74	10.87	-0.37	-0.34	-13.59
GEW-053	2/17/2020 9:24:11 AM	50.2	41.5	0.0	8.3	140.2	140.9	29.94	29.10	-0.26	-0.25	-13.34
GEW-053	2/27/2020 2:46:15 PM	50.0	41.2	0.0	8.8	138.7	140.0	8.34	9.62	-0.03	-0.03	-13.48
GEW-053	2/27/2020 2:47:43 PM	49.2	41.7	0.0	9.1	139.0	139.3	9.40	9.54	-0.04	-0.02	-13.36
GEW-054	2/6/2020 2:25:28 PM	53.2	41.6	0.0	5.2	146.2	146.3	55.16	56.48	-4.08	-4.15	-14.03
GEW-054	2/6/2020 2:26:47 PM	53.1	42.2	0.0	4.7	146.1	146.1	61.97	65.85	-4.27	-4.39	-14.07

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Well Name	Date Sampled	Methane	CO ₂	O ₂	Balance Gas	Init Temp	Adj Temp	Init Flow	Adj Flow	Init Static Press	Adj Static Press	System Pressure
		(% vol)				°F		scfm		H ₂ O		
GEW-054	2/14/2020 1:58:18 PM	52.5	42.1	0.0	5.4	146.3	146.3	56.23	49.27	-4.00	-3.81	-13.77
GEW-054	2/14/2020 1:59:30 PM	52.8	41.9	0.0	5.3	146.3	146.3	63.56	63.56	-4.02	-4.02	-13.28
GEW-054	2/17/2020 9:28:12 AM	52.8	42.4	0.0	4.8	146.3	146.3	50.01	52.45	-3.88	-3.92	-13.77
GEW-054	2/17/2020 9:34:33 AM	53.8	41.7	0.0	4.5	146.3	146.3	53.47	56.53	-3.93	-3.97	-12.91
GEW-054	2/27/2020 2:51:25 PM	52.8	42.3	0.0	4.9	145.8	145.9	54.11	58.01	-3.85	-3.93	-12.89
GEW-054	2/27/2020 2:52:37 PM	52.8	42.4	0.0	4.8	145.7	145.7	53.73	49.70	-3.91	-3.79	-12.85
GEW-055	2/6/2020 2:33:09 PM	53.0	40.9	0.0	6.1	118.1	118.1	8.20	8.41	-0.48	-0.49	-13.56
GEW-055	2/14/2020 2:02:13 PM	51.6	40.8	0.0	7.6	122.3	122.3	7.63	7.06	-0.36	-0.29	-13.16
GEW-055	2/17/2020 9:37:39 AM	51.9	40.7	0.0	7.4	121.0	121.0	1.89	6.27	-0.67	-0.68	-13.34
GEW-055	2/17/2020 9:43:27 AM	52.0	41.0	0.0	7.0	121.5	121.5	8.37	7.15	-0.68	-0.67	-13.28
GEW-055	2/27/2020 2:57:50 PM	51.5	41.4	0.0	7.1	120.2	120.2	5.00	9.32	-0.44	-0.47	-13.14
GEW-056R	2/5/2020 8:42:21 AM	46.2	41.0	0.0	12.8	59.3	59.7	3.37	3.37	-0.23	-0.23	-19.79
GEW-056R	2/12/2020 2:30:12 PM	48.1	42.4	0.3	9.2	55.7	56.0	5.83	5.43	-0.13	-0.13	-19.58
GEW-056R	2/12/2020 2:36:26 PM	47.4	43.0	0.1	9.5	55.5	55.5	5.30	4.37	-0.15	-0.14	-19.66
GEW-056R	2/20/2020 8:32:25 AM	46.9	40.3	0.0	12.8	59.9	60.2	5.37	4.79	-0.49	-0.49	-20.21
GEW-056R	2/26/2020 8:58:36 AM	44.2	39.9	0.0	15.9	54.8	55.2	2.75	3.48	-0.43	-0.43	-19.95
GEW-057B	2/10/2020 10:44:36 AM	6.0	50.1	0.0	43.9	150.2	150.2	3.13	3.13	-19.40	-19.40	-19.16
GEW-057B	2/10/2020 10:45:46 AM	5.6	53.5	0.0	40.9	151.3	149.5	11.84	2.22	-19.04	-19.04	-19.52
GEW-057B	2/20/2020 1:56:10 PM	3.5	40.7	4.9	50.9	48.5	48.5	3.76	4.75	-19.27	-19.27	-19.35
GEW-058A	2/7/2020 2:05:17 PM	0.9	43.7	2.1	53.3	47.0	47.1	1.25	1.25	-0.40	-0.40	-19.08
GEW-058A	2/24/2020 2:23:15 PM	0.8	51.0	0.0	48.2	49.4	49.3	2.49	3.05	0.23	0.23	-19.74
GEW-058A	2/24/2020 2:24:36 PM	0.3	52.0	0.0	47.7	48.8	48.8	3.28	3.03	-2.38	-2.38	-19.74
GEW-059R	2/7/2020 1:43:08 PM	21.3	39.8	0.0	38.9	110.0	110.0	7.62	5.55	-8.79	-8.79	-18.96
GEW-059R	2/24/2020 2:37:01 PM	20.6	38.4	0.0	41.0	107.1	107.0	5.90	7.10	-8.11	-8.11	-20.03
GEW-067A	2/3/2020 9:03:16 AM	9.5	54.0	0.0	36.5	197.9	197.9	24.48	25.45	-8.78	-8.78	-19.58
GEW-067A	2/3/2020 9:04:29 AM	9.3	54.2	0.0	36.5	197.9	197.7	25.50	25.50	-8.78	-8.78	-19.24
GEW-067A	2/17/2020 1:56:12 PM	22.1	42.2	1.3	34.4	82.1	81.7	0.70	1.94	-18.57	-18.57	-18.99
GEW-068A	2/10/2020 1:58:28 PM	6.2	53.4	0.0	40.4	197.8	197.5	54.29	56.39	-5.86	-5.86	-19.65
GEW-068A	2/10/2020 1:59:33 PM	5.8	55.3	0.0	38.9	197.9	197.4	55.45	53.31	-6.28	-6.28	-19.83
GEW-068A	2/20/2020 2:06:56 PM	6.0	51.2	0.0	42.8	197.2	197.2	53.69	54.75	-6.47	-6.42	-19.27
GEW-068A	2/20/2020 2:07:54 PM	5.5	52.7	0.0	41.8	197.2	197.2	54.64	55.43	-6.42	-6.42	-19.06
GEW-078R	2/4/2020 8:36:27 AM	14.8	32.1	0.0	53.1	143.8	143.2	19.00	19.03	-11.27	-11.27	-20.47
GEW-078R	2/4/2020 8:38:14 AM	15.0	31.7	0.0	53.3	144.2	143.5	19.14	19.00	-11.27	-11.27	-20.34
GEW-078R	2/18/2020 8:31:33 AM	12.1	31.6	0.0	56.3	143.9	142.2	18.78	18.74	-11.82	-11.82	-20.13
GEW-078R	2/18/2020 8:33:02 AM	12.4	31.4	0.0	56.2	144.2	142.9	19.04	18.75	-11.82	-11.82	-20.08
GEW-082R	2/4/2020 8:30:38 AM	9.1	34.5	0.0	56.4	170.5	169.0	2.32	2.88	-4.96	-4.96	-20.63
GEW-082R	2/4/2020 8:32:01 AM	9.0	34.1	0.0	56.9	171.0	171.0	2.24	2.29	-4.99	-4.99	-20.42
GEW-082R	2/18/2020 8:25:42 AM	8.9	35.9	0.0	55.2	169.5	169.5	1.70	1.68	-5.53	-5.53	-20.08
GEW-082R	2/18/2020 8:27:01 AM	8.8	35.7	0.0	55.5	169.6	169.5	1.71	1.67	-5.45	-5.45	-20.13
GEW-086	2/3/2020 8:44:30 AM	11.9	41.4	2.6	44.1	187.6	187.6	5.12	6.00	0.04	0.04	-19.92
GEW-086	2/3/2020 8:46:21 AM	12.9	39.6	3.1	44.4	188.3	187.7	7.47	6.15	-0.06	-0.05	-19.83

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Well Name	Date Sampled	Methane	CO ₂	O ₂	Balance Gas	Init Temp	Adj Temp	Init Flow	Adj Flow	Init Static Press	Adj Static Press	System Pressure
		(% vol)				°F		scfm		H ₂ O		
GEW-086	2/17/2020 3:19:46 PM	12.8	36.2	4.1	46.9	181.5	181.5	5.29	4.91	-0.06	-0.05	-18.99
GEW-086	2/17/2020 3:20:58 PM	13.4	36.0	4.1	46.5	180.3	179.7	6.82	6.69	-0.06	-0.06	-18.82
GEW-087	2/7/2020 1:44:26 PM	5.0	56.7	0.0	38.3	192.3	192.3	2.57	1.37	1.63	1.65	-18.86
GEW-087	2/7/2020 1:47:27 PM	4.8	61.5	0.0	33.7	195.0	195.0	3.79	3.90	-0.52	-0.52	-18.65
GEW-087	2/20/2020 1:46:09 PM	13.4	26.1	6.8	53.7	118.1	118.1	5.10	4.64	-10.47	-10.47	-18.82
GEW-087	2/20/2020 1:47:37 PM	12.8	26.1	6.7	54.4	116.6	116.4	4.29	4.01	-8.95	-8.95	-18.90
GEW-087	2/24/2020 8:29:48 AM	4.8	55.5	0.0	39.7	192.9	192.9	21.86	10.46	-2.02	-1.79	-20.25
GEW-087	2/24/2020 8:30:53 AM	3.9	58.5	0.0	37.6	192.9	192.9	11.91	18.72	-2.22	-2.29	-20.12
GEW-088	2/3/2020 8:52:32 AM	1.9	52.5	0.0	45.6	186.4	185.7	99.12	99.12	0.00	0.00	-19.75
GEW-088	2/3/2020 8:54:12 AM	1.6	53.6	0.0	44.8	186.4	186.4	100.64	100.68	-0.03	-0.03	-19.83
GEW-088	2/17/2020 3:09:29 PM	1.5	52.9	0.0	45.6	189.9	190.2	1.62	1.58	-0.03	-0.04	-18.94
GEW-088	2/17/2020 3:12:01 PM	1.5	52.7	0.0	45.8	190.2	190.2	1.45	1.47	-0.09	-0.10	-18.82
GEW-090	2/3/2020 8:29:25 AM	21.2	41.5	0.0	37.3	166.1	165.7	6.58	6.58	-14.86	-14.86	-20.59
GEW-090	2/3/2020 8:30:25 AM	21.1	40.9	0.0	38.0	166.1	166.1	6.72	6.44	-14.86	-14.86	-20.21
GEW-090	2/17/2020 1:50:12 PM	19.1	42.8	0.0	38.1	162.4	163.3	6.32	6.31	-14.52	-14.52	-19.15
GEW-090	2/17/2020 1:51:27 PM	19.7	40.8	0.0	39.5	164.7	164.7	6.16	6.08	-14.52	-14.52	-19.32
GEW-091	2/5/2020 9:02:51 AM	5.1	51.7	0.0	43.2	175.8	174.7	4.80	4.84	-17.77	-17.77	-19.79
GEW-091	2/5/2020 9:03:50 AM	4.9	51.0	0.0	44.1	174.7	174.7	5.06	4.06	-17.77	-17.77	-19.66
GEW-091	2/14/2020 10:12:37 AM	5.4	50.1	0.0	44.5	185.3	184.2	15.71	15.36	-15.53	-15.53	-18.86
GEW-091	2/14/2020 10:14:37 AM	4.6	50.4	0.0	45.0	182.8	184.5	13.09	13.56	-16.21	-16.21	-18.77
GEW-091	2/17/2020 8:10:13 AM	4.7	52.4	0.0	42.9	187.0	185.7	21.08	21.11	-15.15	-15.15	-19.53
GEW-091	2/17/2020 8:16:37 AM	4.2	52.8	0.0	43.0	187.2	185.3	18.14	18.08	-15.49	-15.49	-19.70
GEW-091	2/26/2020 9:28:55 AM	3.6	51.8	0.0	44.6	184.5	184.5	15.62	15.64	-16.57	-16.78	-19.74
GEW-091	2/26/2020 9:29:59 AM	3.2	53.0	0.0	43.8	184.5	184.6	15.11	15.87	-16.91	-16.74	-19.65
GEW-100	2/10/2020 2:09:06 PM	1.4	7.7	19.9	71.0	37.2	37.1	1.71	2.42	-19.04	-19.04	-19.53
GEW-100	2/10/2020 2:10:48 PM	0.5	3.9	21.0	74.6	37.1	37.1	2.33	2.34	-19.00	-19.00	-19.62
GEW-100	2/21/2020 8:16:16 AM	15.8	46.7	2.4	35.1	33.1	33.3	4.26	4.36	-17.56	-17.56	-19.62
GEW-101	2/10/2020 2:13:32 PM	40.7	55.2	0.0	4.1	42.5	42.5	4.55	5.36	-0.13	-0.14	-19.58
GEW-101	2/24/2020 11:29:55 AM	39.0	57.5	0.0	3.5	49.8	49.9	2.78	3.93	-0.11	-0.13	-20.08
GEW-102	2/11/2020 8:32:28 AM	0.0	1.1	21.1	77.8	38.0	38.1	1.72	1.22	-19.16	-19.10	-19.16
GEW-102	2/11/2020 8:33:37 AM	0.0	0.7	21.2	78.1	38.1	38.0	2.10	1.22	-19.16	-19.10	-19.22
GEW-102	2/12/2020 1:41:34 PM	24.8	30.2	6.8	38.2	38.8	38.7	6.83	8.93	-14.64	-14.70	-18.67
GEW-102	2/12/2020 1:43:03 PM	22.5	32.1	7.6	37.8	38.5	38.5	2.44	4.04	-17.51	-17.45	-18.60
GEW-102	2/20/2020 3:02:18 PM	0.3	0.6	20.9	78.2	37.5	37.4	1.73	2.72	-18.11	-18.11	-18.27
GEW-102	2/20/2020 3:03:14 PM	0.3	0.6	20.9	78.2	37.4	37.4	2.44	3.22	-18.11	-18.11	-18.60
GEW-102	2/21/2020 3:37:19 PM	6.3	17.7	13.0	63.0	54.7	54.7	1.38	1.28	-17.58	-17.58	-17.69
GEW-102	2/21/2020 3:39:15 PM	4.5	14.7	15.6	65.2	53.9	53.8	1.28	1.17	-17.41	-17.41	-17.35
GEW-102	2/24/2020 10:03:10 AM	27.9	47.2	0.0	24.9	46.2	46.2	1.17	1.17	-17.33	-17.29	-19.52
GEW-104	2/10/2020 10:34:18 AM	24.0	31.5	4.7	39.8	101.1	100.8	6.62	9.11	-15.62	-15.50	-20.81
GEW-104	2/10/2020 10:37:16 AM	21.7	31.4	4.5	42.4	90.3	89.8	7.85	3.72	-11.59	-11.17	-20.75
GEW-104	2/24/2020 2:02:48 PM	14.0	50.5	0.0	35.5	185.7	185.7	17.53	16.93	-4.48	-4.43	-20.03

February 2020 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-104	2/24/2020 2:04:05 PM	13.7	51.7	0.0	34.6	185.2	185.3	21.04	22.04	-4.60	-4.63	-19.91
GEW-105	2/7/2020 2:20:20 PM	35.4	50.2	0.0	14.4	127.2	127.5	10.04	8.85	-8.12	-8.16	-18.53
GEW-105	2/24/2020 2:15:29 PM	36.6	44.7	0.0	18.7	127.2	127.3	11.59	11.15	-8.11	-8.11	-19.40
GEW-106	2/7/2020 2:12:47 PM	14.8	54.6	0.0	30.6	162.9	162.9	2.65	2.65	-6.43	-6.43	-18.96
GEW-106	2/7/2020 2:14:17 PM	15.0	54.6	0.0	30.4	162.9	162.5	11.23	11.32	-6.77	-6.77	-18.87
GEW-106	2/20/2020 2:13:02 PM	17.5	47.3	0.5	34.7	151.1	149.9	2.03	2.02	-6.42	-6.42	-18.94
GEW-106	2/20/2020 2:14:04 PM	17.2	47.6	0.4	34.8	148.4	148.4	2.49	1.75	-6.29	-6.29	-18.94
GEW-107	2/7/2020 1:51:29 PM	14.5	38.3	7.5	39.7	111.6	110.7	6.42	5.86	-1.94	-1.93	-18.87
GEW-107	2/7/2020 1:53:20 PM	14.6	38.3	7.7	39.4	105.2	105.0	6.50	6.50	-1.40	-1.40	-18.87
GEW-107	2/19/2020 2:24:02 PM	11.2	30.6	9.9	48.3	94.8	94.4	5.41	3.83	-1.08	-1.11	-18.55
GEW-107	2/19/2020 2:47:22 PM	10.4	30.6	10.7	48.3	84.6	82.6	8.73	3.90	-0.53	-0.50	-18.12
GEW-107	2/20/2020 1:33:24 PM	3.0	9.4	17.9	69.7	57.5	57.5	2.91	4.11	-0.06	-0.05	-19.06
GEW-107	2/20/2020 1:34:51 PM	2.7	8.8	18.0	70.5	57.7	57.8	5.04	7.12	-0.08	-0.08	-19.06
GEW-107	2/21/2020 1:56:51 PM	19.8	50.7	0.0	29.5	92.7	92.7	6.64	5.43	-1.68	-1.63	-18.38
GEW-108	2/6/2020 3:10:15 PM	36.2	44.9	0.0	18.9	154.8	154.4	2.74	2.33	-2.10	-2.10	-18.86
GEW-108	2/6/2020 3:11:53 PM	35.3	44.5	0.0	20.2	154.4	153.7	1.78	1.93	-2.15	-2.14	-18.86
GEW-108	2/14/2020 11:03:39 AM	38.7	44.3	0.0	17.0	148.9	148.4	2.27	2.54	-2.13	-2.13	-18.05
GEW-108	2/14/2020 11:05:11 AM	38.3	45.3	0.0	16.4	149.5	149.9	2.02	2.27	-2.16	-2.16	-17.93
GEW-108	2/17/2020 10:47:56 AM	38.3	45.3	0.0	16.4	144.2	144.2	2.17	1.91	-2.72	-2.72	-19.28
GEW-108	2/17/2020 10:52:49 AM	38.5	45.4	0.0	16.1	145.9	143.6	1.91	1.60	-2.72	-2.72	-19.28
GEW-108	2/26/2020 10:30:00 AM	37.0	44.7	0.0	18.3	143.2	143.5	2.56	3.91	-2.44	-2.45	-19.95
GEW-108	2/26/2020 10:31:03 AM	36.6	45.1	0.0	18.3	143.9	143.9	3.13	3.90	-2.42	-2.43	-19.99
GEW-109	2/7/2020 9:48:42 AM	41.1	38.5	0.9	19.5	82.7	82.7	5.62	5.73	-5.53	-5.53	-19.96
GEW-109	2/14/2020 2:13:55 PM	50.0	46.5	0.1	3.4	41.5	41.5	3.92	3.76	-7.72	-7.72	-19.92
GEW-109	2/17/2020 11:08:37 AM	48.9	47.9	0.0	3.2	48.3	48.3	2.49	2.16	2.13	2.13	-19.58
GEW-109	2/17/2020 11:20:06 AM	48.4	46.8	0.1	4.7	56.5	56.5	2.98	3.22	-1.60	-1.60	-19.75
GEW-109	2/26/2020 10:45:17 AM	43.8	42.0	0.6	13.6	59.0	59.0	1.72	1.21	-2.22	-2.22	-19.95
GEW-110	2/5/2020 8:50:01 AM	37.8	48.4	0.0	13.8	42.8	43.1	2.19	2.19	-0.04	-0.03	-19.96
GEW-110	2/13/2020 8:58:45 AM	28.4	37.1	6.2	28.3	29.0	29.0	3.16	3.16	-0.16	-0.16	-20.30
GEW-110	2/13/2020 9:06:12 AM	26.5	35.5	7.0	31.0	28.2	26.4	1.85	1.83	-0.05	-0.06	-20.34
GEW-110	2/20/2020 8:39:46 AM	28.9	33.5	6.4	31.2	44.7	44.6	4.39	3.39	-0.19	-0.18	-20.08
GEW-110	2/20/2020 8:41:09 AM	27.2	34.3	6.4	32.1	44.0	44.0	3.39	3.83	-0.14	-0.14	-20.17
GEW-110	2/24/2020 8:19:44 AM	23.0	22.4	9.6	45.0	48.8	48.9	1.25	2.16	-0.24	-0.24	-20.33
GEW-110	2/24/2020 8:22:58 AM	24.1	23.1	10.0	42.8	53.0	52.7	1.75	1.24	-0.07	-0.06	-20.08
GEW-110	2/26/2020 8:50:44 AM	30.1	42.6	3.9	23.4	40.5	40.7	2.83	1.27	-0.11	-0.12	-19.99
GEW-113	2/3/2020 1:50:34 PM	11.3	57.9	0.0	30.8	174.2	173.6	8.04	7.79	-1.54	-1.54	-18.27
GEW-113	2/3/2020 1:51:43 PM	11.0	58.1	0.0	30.9	174.2	173.7	7.85	7.87	-1.54	-1.54	-18.05
GEW-113	2/17/2020 2:31:40 PM	9.4	56.5	0.3	33.8	176.4	176.4	13.83	13.83	-2.07	-2.07	-19.34
GEW-113	2/17/2020 2:32:48 PM	9.5	57.6	0.3	32.6	176.4	176.1	8.37	8.31	-1.66	-1.63	-19.40
GEW-116	2/7/2020 2:03:26 PM	22.6	48.3	2.6	26.5	158.4	158.1	11.82	12.24	-0.88	-0.88	-18.65
GEW-116	2/7/2020 2:05:11 PM	22.9	48.9	2.6	25.6	158.3	158.5	11.69	11.91	-0.85	-0.85	-18.73

February 2020 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-116	2/20/2020 9:44:22 AM	17.2	38.8	5.5	38.5	143.9	144.2	12.09	12.35	-2.13	-2.14	-20.30
GEW-116	2/20/2020 9:52:37 AM	19.4	39.8	4.7	36.1	140.9	141.6	11.54	9.86	-2.43	-2.43	-19.96
GEW-117	2/10/2020 3:11:41 PM	37.8	53.4	0.0	8.8	120.7	120.5	7.43	6.83	-16.88	-16.88	-19.53
GEW-117	2/24/2020 8:09:08 AM	42.9	50.8	0.2	6.1	113.5	113.5	4.27	5.03	-17.90	-17.90	-20.08
GEW-118	2/7/2020 2:48:19 PM	4.3	47.6	0.0	48.1	188.7	188.3	35.69	35.59	-6.63	-6.63	-18.22
GEW-118	2/7/2020 2:49:28 PM	4.2	47.3	0.0	48.5	188.3	188.3	35.64	35.50	-6.63	-6.63	-19.07
GEW-118	2/20/2020 9:57:17 AM	7.1	44.9	0.0	48.0	187.9	188.1	38.16	38.00	-6.75	-6.75	-19.75
GEW-118	2/20/2020 9:58:59 AM	6.8	45.8	0.0	47.4	188.3	188.3	37.66	37.67	-6.92	-6.92	-20.00
GEW-120	2/7/2020 10:55:02 AM	46.7	49.0	0.0	4.3	98.7	98.9	6.92	7.85	-2.51	-2.52	-19.03
GEW-120	2/24/2020 8:12:09 AM	49.5	47.4	0.0	3.1	88.6	88.6	2.43	2.68	-1.89	-1.90	-20.34
GEW-121	2/7/2020 10:59:08 AM	33.3	55.3	0.0	11.4	147.8	147.0	4.56	4.51	-2.12	-2.12	-19.11
GEW-121	2/7/2020 11:00:06 AM	32.9	55.4	0.0	11.7	147.3	147.7	3.87	4.13	-2.12	-2.12	-18.94
GEW-121	2/20/2020 10:07:10 AM	34.8	54.6	0.0	10.6	130.0	130.4	2.94	0.86	-2.56	-2.56	-19.96
GEW-122	2/7/2020 11:03:50 AM	40.4	41.4	0.0	18.2	90.1	90.1	14.37	14.32	-9.92	-9.92	-19.32
GEW-122	2/24/2020 8:23:07 AM	40.6	39.9	0.0	19.5	82.9	83.0	11.41	9.16	-10.13	-10.13	-19.92
GEW-123	2/7/2020 11:07:18 AM	31.2	54.3	0.0	14.5	61.2	61.2	3.40	2.94	-2.74	-2.74	-19.28
GEW-123	2/24/2020 8:19:35 AM	29.9	55.4	0.0	14.7	55.5	55.5	2.85	3.54	-2.92	-2.92	-20.30
GEW-124	2/7/2020 11:10:47 AM	24.2	20.9	11.7	43.2	43.5	43.6	2.67	2.67	-18.70	-18.70	-19.24
GEW-124	2/7/2020 11:11:51 AM	26.1	21.6	10.7	41.6	43.7	43.7	2.07	2.07	-18.70	-18.70	-19.28
GEW-124	2/20/2020 10:19:42 AM	28.5	24.6	10.6	36.3	39.5	39.5	1.85	3.03	-18.78	-18.78	-19.83
GEW-124	2/20/2020 10:21:09 AM	27.1	23.6	11.0	38.3	39.2	39.2	1.96	3.27	-18.78	-18.78	-19.92
GEW-124	2/25/2020 11:11:06 AM	46.7	37.8	3.7	11.8	39.5	39.4	4.58	4.58	-19.57	-19.57	-19.57
GEW-125	2/7/2020 11:14:56 AM	50.5	46.6	0.0	2.9	48.2	48.2	3.27	4.46	-1.36	-1.35	-18.99
GEW-125	2/24/2020 8:26:21 AM	45.3	47.5	0.1	7.1	46.7	46.7	2.30	2.30	-4.12	-4.12	-20.08
GEW-126	2/7/2020 11:18:32 AM	21.8	46.8	1.0	30.4	47.0	46.7	1.92	2.58	-13.63	-13.63	-18.99
GEW-126	2/24/2020 8:32:45 AM	21.9	47.6	0.2	30.3	47.0	47.0	3.24	2.36	-14.10	-14.10	-20.08
GEW-127	2/10/2020 10:55:08 AM	12.6	46.4	3.3	37.7	49.0	49.0	27.41	27.30	-0.18	-0.18	-19.87
GEW-127	2/24/2020 8:40:28 AM	13.3	50.5	2.7	33.5	54.4	54.4	21.39	21.67	-0.10	-0.10	-20.00
GEW-129	2/10/2020 1:39:20 PM	35.0	52.1	0.0	12.9	105.5	105.2	20.35	20.54	-4.23	-4.22	-20.13
GEW-129	2/24/2020 10:28:47 AM	33.8	48.5	0.0	17.7	104.7	104.6	20.58	19.91	-4.09	-4.15	-19.99
GEW-130	2/10/2020 11:10:24 AM	24.8	44.7	0.0	30.5	152.9	151.4	8.76	8.11	-14.86	-14.86	-20.04
GEW-130	2/10/2020 11:11:38 AM	24.1	44.9	0.0	31.0	152.5	152.5	7.81	8.65	-14.77	-14.77	-19.96
GEW-130	2/20/2020 3:07:21 PM	23.0	44.3	0.0	32.7	151.2	151.0	12.98	12.63	-15.09	-15.09	-19.23
GEW-130	2/20/2020 3:08:26 PM	22.5	45.1	0.0	32.4	150.6	150.2	12.84	12.80	-15.09	-15.05	-19.10
GEW-131	2/10/2020 11:05:17 AM	19.7	33.9	6.1	40.3	89.8	90.3	3.97	3.86	-0.03	-0.03	-19.92
GEW-131	2/10/2020 11:06:30 AM	19.8	33.7	5.9	40.6	90.1	89.9	3.97	3.87	-0.02	-0.01	-19.96
GEW-131	2/11/2020 8:49:27 AM	26.3	42.7	0.9	30.1	82.3	82.3	6.18	2.33	-1.26	-1.28	-19.71
GEW-131	2/20/2020 3:03:44 PM	41.7	46.4	0.0	11.9	88.2	88.2	2.57	4.14	-2.92	-2.94	-18.93
GEW-132	2/7/2020 2:44:38 PM	16.1	31.8	2.1	50.0	121.0	120.7	5.19	5.62	-1.59	-1.59	-18.14
GEW-132	2/24/2020 11:27:05 AM	16.5	33.0	1.6	48.9	120.0	120.2	5.79	5.79	-1.33	-1.33	-20.00
GEW-133	2/7/2020 2:14:46 PM	20.0	43.1	0.0	36.9	80.0	80.2	18.54	19.27	-3.97	-3.98	-18.35

February 2020 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-133	2/24/2020 11:21:34 AM	16.3	41.5	0.0	42.2	84.5	84.7	19.81	20.30	-3.41	-3.40	-19.96
GEW-134	2/3/2020 2:51:51 PM	5.5	33.7	1.2	59.6	76.1	76.1	1.98	1.98	-0.44	-0.44	-18.27
GEW-134	2/24/2020 11:18:21 AM	4.9	32.1	1.6	61.4	51.3	51.3	0.87	1.51	-0.52	-0.52	-20.04
GEW-135	2/3/2020 2:26:00 PM	3.0	42.2	0.7	54.1	102.5	102.6	29.59	29.67	-1.57	-1.58	-15.86
GEW-135	2/24/2020 11:15:19 AM	2.5	37.1	1.6	58.8	75.3	75.7	31.77	31.81	-1.77	-1.77	-18.05
GEW-137	2/4/2020 8:42:10 AM	36.9	42.1	0.0	21.0	49.7	49.9	2.88	2.60	-3.29	-3.29	-20.21
GEW-137	2/24/2020 10:16:26 AM	36.2	38.3	1.2	24.3	53.4	53.9	0.86	1.49	-3.05	-3.05	-20.17
GEW-138	2/11/2020 8:43:56 AM	1.8	11.1	5.6	81.5	38.6	38.7	5.09	4.59	-0.02	-0.03	-19.65
GEW-138	2/11/2020 8:45:33 AM	1.7	12.7	5.4	80.2	38.9	38.9	4.59	3.82	-0.01	-0.01	-20.13
GEW-139	2/10/2020 8:31:02 AM	2.0	54.5	0.0	43.5	113.7	113.5	3.14	3.17	-1.17	-1.17	-19.96
GEW-139	2/24/2020 10:40:38 AM	1.3	51.8	0.0	46.9	183.3	182.7	3.24	3.66	-2.97	-2.97	-19.74
GEW-139	2/24/2020 10:41:59 AM	0.9	53.9	0.2	45.0	183.3	183.3	3.91	5.53	-2.92	-2.92	-20.03
GEW-140	2/10/2020 8:26:19 AM	23.9	30.6	4.8	40.7	42.0	42.1	26.17	26.20	-5.23	-5.23	-20.21
GEW-140	2/11/2020 7:56:02 AM	30.0	37.2	0.5	32.3	81.8	81.8	19.76	19.59	-6.16	-6.16	-19.66
GEW-140	2/24/2020 11:07:03 AM	24.7	43.3	0.0	32.0	78.5	78.5	19.90	19.00	-5.75	-5.75	-18.33
GEW-144	2/12/2020 1:55:22 PM	45.2	45.9	0.0	8.9	39.4	39.2	9.60	8.70	3.80	3.81	-19.03
GEW-144	2/12/2020 1:57:00 PM	43.8	46.8	0.0	9.4	38.1	38.2	6.96	5.50	-14.15	-14.15	-19.16
GEW-144	2/24/2020 11:23:12 AM	35.7	34.5	3.7	26.1	47.0	47.0	7.62	2.92	-19.61	-19.27	-19.74
GEW-145	2/10/2020 11:12:14 AM	24.4	45.6	0.0	30.0	36.7	36.7	5.96	2.54	-2.49	-2.49	-19.77
GEW-145	2/24/2020 1:47:29 PM	22.2	47.4	0.0	30.4	48.2	48.2	9.45	9.45	1.59	1.59	-19.61
GEW-145	2/24/2020 1:48:46 PM	22.0	48.5	0.0	29.5	56.1	56.0	10.41	3.80	-8.79	-8.79	-19.61
GEW-147	2/3/2020 1:40:41 PM	15.8	43.6	2.4	38.2	163.3	162.9	13.42	13.82	-6.75	-6.75	-18.10
GEW-147	2/3/2020 1:43:20 PM	15.9	44.4	2.6	37.1	162.9	163.3	14.53	16.57	-6.21	-6.21	-18.22
GEW-147	2/17/2020 2:23:50 PM	12.9	45.5	2.4	39.2	163.3	163.3	18.43	17.51	-7.14	-7.02	-19.71
GEW-147	2/17/2020 2:24:53 PM	13.2	44.7	2.4	39.7	163.3	163.3	19.32	18.28	-6.83	-6.83	-19.46
GEW-148	2/3/2020 11:22:54 AM	16.1	52.4	0.0	31.5	155.3	155.1	7.38	6.88	-4.35	-4.35	-17.63
GEW-148	2/3/2020 11:24:10 AM	16.3	55.0	0.0	28.7	156.9	155.6	9.05	6.63	-4.35	-4.35	-17.89
GEW-148	2/17/2020 2:59:10 PM	16.1	51.5	0.0	32.4	160.2	160.2	11.10	10.29	-5.80	-5.74	-19.34
GEW-148	2/17/2020 3:00:17 PM	15.3	55.4	0.0	29.3	160.7	160.7	12.32	9.02	-5.49	-5.67	-19.16
GEW-149	2/3/2020 10:46:47 AM	16.1	27.8	0.0	56.1	75.2	75.3	1.18	1.67	-0.02	-0.02	-18.56
GEW-149	2/24/2020 2:27:21 PM	20.0	27.4	0.0	52.6	47.3	47.4	1.98	2.34	-0.06	-0.06	-19.66
GEW-150	2/7/2020 2:32:19 PM	34.5	51.0	0.0	14.5	111.0	110.9	3.67	3.67	-0.84	-0.84	-19.17
GEW-150	2/7/2020 2:34:21 PM	31.5	52.3	0.0	16.2	184.5	184.5	23.26	23.12	-1.96	-1.95	-19.29
GEW-150	2/7/2020 2:36:37 PM	28.9	53.2	0.0	17.9	186.4	185.1	21.80	21.49	-1.86	-1.89	-19.00
GEW-150	2/20/2020 2:07:44 PM	19.2	35.9	5.3	39.6	167.6	167.6	20.16	20.06	-3.33	-3.33	-19.07
GEW-150	2/20/2020 2:09:04 PM	19.0	36.3	5.2	39.5	166.1	166.1	16.00	16.40	-2.91	-2.90	-19.07
GEW-150	2/21/2020 1:57:23 PM	20.5	36.5	4.3	38.7	170.5	170.1	16.27	16.60	-2.32	-2.31	-18.35
GEW-150	2/21/2020 1:58:46 PM	20.0	37.2	4.3	38.5	170.0	170.0	17.08	16.64	-2.34	-2.34	-18.65
GEW-151	2/3/2020 8:58:55 AM	8.8	39.1	2.3	49.8	93.1	92.4	1.97	1.97	-0.10	-0.10	-19.66
GEW-151	2/24/2020 2:15:18 PM	13.6	40.8	1.2	44.4	60.2	60.2	3.92	3.92	-0.06	-0.07	-19.20
GEW-152	2/7/2020 1:56:48 PM	22.0	52.2	0.0	25.8	84.4	84.7	15.43	15.43	-2.78	-2.78	-18.91

February 2020 Wellfield Monitoring Data - Bridgeton Landfill

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		(% vol)				°F		scfm		H ₂ O		
GEW-152	2/24/2020 2:31:41 PM	22.7	50.1	0.0	27.2	81.2	80.7	4.66	3.50	-1.82	-1.82	-19.95
GEW-153	2/7/2020 1:39:59 PM	27.0	30.6	0.0	42.4	88.4	88.6	5.82	6.25	-4.96	-4.95	-19.00
GEW-153	2/24/2020 2:34:26 PM	27.0	33.7	0.0	39.3	83.6	83.7	4.47	5.99	-4.46	-4.48	-19.91
GEW-156	2/10/2020 1:42:16 PM	31.7	41.2	0.0	27.1	77.2	77.3	1.63	4.74	-11.17	-11.17	-19.95
GEW-156	2/24/2020 2:41:55 PM	30.4	44.6	0.0	25.0	81.7	81.7	3.78	3.23	-10.14	-9.85	-20.08
GEW-157	2/10/2020 10:41:12 AM	33.5	42.0	0.8	23.7	52.6	52.6	6.30	3.64	-8.72	-8.79	-19.16
GEW-157	2/24/2020 2:07:05 PM	33.6	47.5	0.3	18.6	61.5	61.5	2.92	1.19	-7.40	-7.48	-19.99
GEW-158	2/7/2020 2:17:00 PM	24.9	53.2	0.0	21.9	75.5	75.6	3.91	2.04	-1.51	-1.51	-19.00
GEW-158	2/24/2020 2:18:35 PM	24.1	45.4	0.0	30.5	82.0	82.1	6.06	4.36	-1.41	-1.42	-19.99
GEW-159	2/6/2020 3:06:05 PM	2.7	8.3	17.0	72.0	36.3	36.4	3.97	3.06	-0.44	-0.44	-19.20
GEW-159	2/6/2020 3:07:11 PM	2.9	8.2	17.1	71.8	36.4	36.4	2.12	2.47	-0.47	-0.46	-19.24
GEW-159	2/11/2020 8:02:43 AM	0.9	5.4	19.8	73.9	37.8	37.8	1.27	1.27	-0.66	-0.66	-20.07
GEW-159	2/11/2020 8:04:49 AM	0.8	2.5	20.5	76.2	38.3	38.4	1.27	1.27	-0.67	-0.67	-20.13
GEW-160	2/5/2020 8:59:32 AM	21.5	44.1	0.0	34.4	37.1	37.1	3.14	2.22	-5.66	-5.66	-19.32
GEW-160	2/14/2020 10:07:41 AM	25.1	38.0	0.3	36.6	37.4	37.4	1.70	2.46	-4.73	-4.73	-18.94
GEW-160	2/17/2020 8:00:12 AM	26.2	40.2	0.2	33.4	46.8	46.8	4.67	3.77	-4.91	-4.91	-19.70
GEW-160	2/17/2020 8:05:56 AM	25.6	41.8	0.0	32.6	46.8	46.8	3.11	3.11	-4.87	-4.87	-19.58
GEW-160	2/26/2020 9:33:02 AM	22.5	44.6	0.0	32.9	41.4	41.4	1.25	1.25	-6.09	-6.09	-19.99
GEW-161	2/5/2020 8:56:19 AM	6.8	54.6	0.0	38.6	53.4	53.4	2.64	2.00	-3.09	-3.10	-19.37
GEW-161	2/13/2020 10:23:25 AM	6.2	53.2	0.9	39.7	34.9	35.0	2.52	2.19	-3.87	-3.87	-20.55
GEW-161	2/13/2020 10:32:19 AM	6.1	55.2	0.0	38.7	34.1	34.3	3.10	2.83	-3.81	-3.80	-20.85
GEW-161	2/20/2020 8:47:00 AM	7.3	50.0	0.5	42.2	59.6	59.7	3.74	2.86	-3.63	-3.63	-19.96
GEW-161	2/26/2020 9:23:13 AM	3.5	52.0	0.0	44.5	61.9	61.9	1.70	2.09	-3.34	-3.36	-19.86
GEW-162	2/5/2020 8:53:27 AM	16.5	61.2	0.0	22.3	35.4	35.4	3.51	1.65	-2.63	-2.64	-19.58
GEW-162	2/13/2020 10:06:11 AM	15.1	61.8	0.1	23.0	19.5	19.5	4.33	4.33	-3.21	-3.21	-20.42
GEW-162	2/13/2020 10:13:06 AM	14.7	61.8	0.0	23.5	19.9	19.6	3.45	2.92	-3.19	-3.19	-20.63
GEW-162	2/20/2020 8:44:10 AM	15.1	61.1	0.0	23.8	34.2	34.1	5.47	3.93	-3.02	-3.00	-20.63
GEW-162	2/26/2020 9:17:03 AM	13.2	62.1	0.0	24.7	38.3	38.3	4.72	4.19	-3.07	-3.00	-19.65
GEW-163	2/7/2020 10:50:32 AM	30.2	54.5	0.0	15.3	136.9	136.8	30.31	29.66	-5.53	-5.53	-19.11
GEW-163	2/7/2020 10:51:44 AM	29.9	55.0	0.0	15.1	135.8	136.5	30.87	30.84	-5.53	-5.53	-19.03
GEW-163	2/20/2020 10:10:38 AM	30.2	51.5	0.1	18.2	112.7	112.6	4.89	3.29	-8.32	-8.32	-19.96
GEW-164	2/7/2020 10:46:03 AM	32.2	50.4	0.0	17.4	147.1	146.8	22.17	20.01	-0.67	-0.66	-19.03
GEW-164	2/7/2020 10:47:00 AM	32.7	49.2	0.0	18.1	147.0	147.3	22.58	20.00	-0.67	-0.67	-18.39
GEW-164	2/20/2020 10:13:54 AM	30.8	47.1	0.0	22.1	145.2	145.2	21.30	21.30	-0.79	-0.79	-19.92
GEW-164	2/20/2020 10:15:33 AM	31.1	46.5	0.0	22.4	144.9	145.2	21.72	21.85	-0.81	-0.81	-20.55
GEW-165	2/7/2020 10:41:13 AM	18.3	52.5	2.6	26.6	150.6	149.9	9.81	9.90	-0.14	-0.13	-18.86
GEW-165	2/7/2020 10:42:12 AM	18.9	51.1	2.6	27.4	150.6	150.2	17.34	18.85	-0.10	-0.11	-19.20
GEW-165	2/20/2020 10:24:24 AM	22.9	54.4	0.9	21.8	146.6	146.6	12.26	14.04	-0.02	-0.03	-20.00
GEW-165	2/20/2020 10:25:26 AM	21.6	55.1	0.8	22.5	147.0	147.0	7.94	7.94	-0.03	-0.03	-20.21
GEW-166	2/7/2020 10:36:03 AM	9.2	56.3	0.0	34.5	174.9	174.9	19.88	22.79	-9.96	-9.96	-19.66
GEW-166	2/7/2020 10:37:28 AM	8.8	56.5	0.0	34.7	175.3	174.7	20.59	20.74	-9.96	-9.96	-19.24

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Well Name	Date Sampled	Methane	CO ₂	O ₂	Balance Gas	Init Temp	Adj Temp	Init Flow	Adj Flow	Init Static Press	Adj Static Press	System Pressure
		(% vol)				°F		scfm		H ₂ O		
GEW-166	2/20/2020 10:29:36 AM	12.3	53.2	0.0	34.5	170.5	170.0	19.46	19.69	-11.02	-11.02	-20.17
GEW-166	2/20/2020 10:32:25 AM	11.8	53.0	0.0	35.2	170.0	170.0	21.21	20.62	-11.02	-11.02	-20.13
GEW-167	2/7/2020 10:31:22 AM	15.3	49.2	0.0	35.5	139.9	139.9	2.07	1.78	-6.54	-6.54	-19.20
GEW-167	2/7/2020 10:32:24 AM	14.8	48.8	0.0	36.4	140.6	140.0	1.46	2.07	-6.54	-6.54	-19.37
GEW-167	2/20/2020 10:33:58 AM	14.0	47.5	0.0	38.5	127.1	127.3	2.22	2.04	-7.98	-7.98	-19.87
GEW-168	2/7/2020 10:26:35 AM	33.9	52.3	0.3	13.5	122.6	122.6	5.10	6.25	-2.98	-2.98	-19.15
GEW-168	2/24/2020 8:29:28 AM	35.4	50.1	0.4	14.1	115.5	115.8	5.48	5.48	-2.83	-2.82	-20.08
GEW-169	2/7/2020 10:23:27 AM	18.0	51.8	0.0	30.2	64.0	66.6	16.86	16.32	-0.02	-0.02	-19.62
GEW-169	2/24/2020 8:35:54 AM	18.4	53.8	0.0	27.8	57.5	58.0	8.71	7.79	0.03	0.03	-20.08
GEW-169	2/24/2020 8:37:37 AM	18.2	53.8	0.0	28.0	74.1	74.3	16.71	16.94	-0.03	-0.03	-20.00
GEW-170	2/10/2020 11:18:26 AM	13.9	41.3	4.2	40.6	104.8	104.4	9.18	8.38	-0.28	-0.27	-19.92
GEW-170	2/24/2020 10:21:07 AM	12.5	43.8	2.9	40.8	103.8	103.7	8.44	7.55	-0.15	-0.16	-19.74
GEW-171	2/10/2020 2:25:33 PM	17.8	19.6	13.4	49.2	38.0	38.1	2.83	2.53	-0.96	-0.96	-12.18
GEW-171	2/10/2020 2:27:02 PM	18.3	19.8	13.3	48.6	37.8	37.8	2.19	3.10	-0.93	-0.93	-11.84
GEW-171	2/20/2020 2:28:18 PM	41.4	48.5	0.1	10.0	43.7	43.7	1.78	2.18	0.13	0.11	-18.38
GEW-171	2/20/2020 2:29:37 PM	41.7	47.8	0.0	10.5	44.1	44.1	4.33	4.33	-2.44	-2.44	-18.03
GEW-172	2/10/2020 1:48:34 PM	20.4	43.9	2.4	33.3	130.6	128.9	7.89	8.99	-6.75	-6.75	-19.62
GEW-172	2/24/2020 10:49:47 AM	18.0	50.2	1.8	30.0	154.8	154.8	15.13	9.99	-4.34	-4.34	-19.78
GEW-172	2/24/2020 10:50:48 AM	18.5	49.6	2.0	29.9	155.2	155.6	7.26	11.85	-4.38	-4.37	-19.78
GEW-174	2/10/2020 8:06:40 AM	10.8	26.9	1.4	60.9	112.6	113.5	5.20	5.20	-2.53	-2.54	-19.92
GEW-174	2/24/2020 11:40:40 AM	12.9	38.7	0.0	48.4	118.3	119.4	13.72	12.94	-1.55	-1.54	-19.57
GEW-175	2/7/2020 2:28:19 PM	29.8	38.5	4.0	27.7	141.5	141.2	35.81	31.24	-0.23	-0.25	-17.57
GEW-175	2/7/2020 2:29:24 PM	29.8	38.2	4.0	28.0	141.5	141.5	35.72	34.66	-0.24	-0.24	-17.48
GEW-175	2/20/2020 1:56:58 PM	28.8	33.5	5.1	32.6	137.3	137.1	35.62	36.16	-0.20	-0.20	-19.92
GEW-175	2/20/2020 1:57:56 PM	28.9	34.1	5.1	31.9	137.4	137.1	32.96	33.55	-0.20	-0.20	-19.66
GEW-175	2/21/2020 1:42:31 PM	32.1	33.8	4.2	29.9	139.0	139.0	33.78	32.56	-0.15	-0.15	-18.94
GEW-175	2/21/2020 1:43:49 PM	31.6	33.9	4.0	30.5	139.0	139.0	33.20	33.36	-0.18	-0.18	-18.22
GEW-176	2/11/2020 8:12:00 AM	38.0	30.9	4.0	27.1	37.3	37.2	5.42	4.94	-0.04	-0.05	-19.95
GEW-176	2/11/2020 8:14:01 AM	37.2	32.5	3.8	26.5	37.2	37.2	4.95	4.42	-0.01	-0.01	-20.07
GEW-177	2/4/2020 2:35:16 PM	16.8	48.9	0.0	34.3	163.2	162.9	20.77	17.38	-16.47	-16.47	-20.26
GEW-177	2/4/2020 2:36:29 PM	16.3	52.2	0.0	31.5	162.9	162.4	16.26	21.93	-16.47	-16.47	-20.26
GEW-177	2/10/2020 1:34:06 PM	14.4	50.5	0.0	35.1	168.5	169.0	5.65	4.69	-13.04	-13.04	-16.28
GEW-177	2/10/2020 1:35:26 PM	14.2	48.2	0.0	37.6	168.8	169.0	2.63	1.71	-13.00	-13.00	-16.32
GEW-177	2/18/2020 8:43:02 AM	11.9	51.5	0.0	36.6	166.1	166.1	3.88	3.47	-12.92	-12.92	-15.31
GEW-177	2/18/2020 8:45:33 AM	11.5	50.3	0.0	38.2	166.6	167.2	5.50	5.68	-13.17	-13.17	-15.52
GEW-178	2/10/2020 10:53:49 AM	31.6	43.9	4.0	20.5	47.9	48.0	1.25	1.25	-0.21	-0.21	-20.50
GEW-178	2/24/2020 1:55:18 PM	34.8	42.2	3.5	19.5	54.5	54.4	1.23	2.46	-0.22	-0.22	-19.99
GEW-179	2/10/2020 11:16:10 AM	41.1	52.9	0.0	6.0	69.3	69.1	7.19	6.45	-0.49	-0.49	-20.01
GEW-179	2/10/2020 11:17:38 AM	41.3	53.1	0.0	5.6	70.4	70.2	8.36	7.46	-0.79	-0.79	-19.71
GEW-179	2/24/2020 1:52:13 PM	42.6	50.1	0.0	7.3	75.7	75.5	7.91	7.55	-1.28	-1.28	-19.74
GEW-180	2/10/2020 2:09:27 PM	35.8	55.6	0.4	8.2	65.2	65.2	11.09	15.02	-15.56	-15.62	-18.97

February 2020 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-180	2/24/2020 11:33:24 AM	34.0	56.2	0.2	9.6	68.8	68.9	1.63	7.56	-15.77	-15.55	-16.33
GEW-181	2/10/2020 2:19:42 PM	26.5	64.7	0.0	8.8	58.0	57.9	24.89	28.40	-17.33	-17.51	-19.71
GEW-181	2/24/2020 11:26:42 AM	27.0	63.0	0.0	10.0	66.1	66.1	36.55	33.23	-16.23	-16.23	-19.57
GEW-185	2/7/2020 2:28:12 PM	42.0	54.6	0.0	3.4	86.5	86.5	3.26	4.31	-0.54	-0.54	-18.44
GEW-185	2/25/2020 10:56:59 AM	42.2	54.1	0.0	3.7	74.6	74.5	5.07	5.07	-0.50	-0.49	-19.74
GEW-185	2/25/2020 10:58:22 AM	41.8	54.2	0.0	4.0	91.0	91.7	4.81	7.38	-2.18	-2.23	-19.74
GEW-186	2/10/2020 10:50:43 AM	23.2	23.6	9.0	44.2	64.8	64.9	3.98	3.98	-0.09	-0.08	-19.83
GEW-186	2/10/2020 10:51:40 AM	23.4	23.9	8.8	43.9	64.7	64.7	1.70	1.70	-0.09	-0.09	-19.92
GEW-186	2/21/2020 2:12:50 PM	45.3	43.4	0.5	10.8	68.1	68.4	2.37	2.34	-0.01	-0.01	-17.84
GEW-187	2/6/2020 3:15:03 PM	41.3	51.4	0.0	7.3	98.7	98.7	6.81	7.52	-2.01	-2.01	-19.41
GEW-187	2/14/2020 11:07:47 AM	42.6	51.4	0.0	6.0	98.2	97.9	7.47	7.80	-1.98	-1.97	-17.97
GEW-187	2/17/2020 10:57:36 AM	42.2	51.5	0.0	6.3	95.0	95.0	3.92	5.42	-2.13	-2.14	-19.62
GEW-187	2/17/2020 11:02:40 AM	42.2	50.4	0.0	7.4	95.0	95.0	7.33	7.24	-2.14	-2.14	-19.87
GEW-187	2/26/2020 10:34:08 AM	42.4	49.4	0.0	8.2	88.9	88.4	3.98	5.14	-2.28	-2.27	-19.61
GEW-217	2/11/2020 8:30:59 AM	25.7	34.0	7.9	32.4	37.8	37.8	2.43	1.22	-15.87	-15.87	-15.39
GEW-217	2/11/2020 8:36:36 AM	28.7	36.1	5.9	29.3	38.0	38.2	2.00	2.26	-15.87	-15.87	-18.14
GEW-217	2/20/2020 3:08:12 PM	16.4	45.8	1.5	36.3	52.9	52.3	7.41	7.41	-14.39	-14.39	-16.03
GEW-218	2/10/2020 11:07:01 AM	17.4	38.0	4.8	39.8	89.6	89.4	12.15	9.72	-0.66	-0.66	-20.32
GEW-218	2/24/2020 1:44:16 PM	29.6	43.6	0.0	26.8	98.8	97.7	9.75	9.07	-0.29	-0.27	-19.82
GEW-219	2/11/2020 8:19:40 AM	1.6	13.0	15.8	69.6	139.9	140.6	2.80	1.06	-0.01	-0.01	-19.95
GEW-219	2/11/2020 8:22:16 AM	1.3	10.5	16.2	72.0	106.7	101.1	7.68	9.53	-0.01	-0.04	-19.65
GEW-220	2/10/2020 1:52:17 PM	26.7	48.6	0.0	24.7	136.5	136.3	12.06	9.95	-14.58	-14.58	-19.03
GEW-220	2/10/2020 1:54:05 PM	26.3	49.8	0.0	23.9	133.2	132.9	11.17	6.96	-12.63	-12.57	-19.65
GEW-220	2/20/2020 2:03:35 PM	34.4	47.2	0.0	18.4	107.2	107.2	11.73	8.97	-13.86	-13.95	-19.06
GEW-221	2/10/2020 2:03:46 PM	29.3	44.1	0.0	26.6	47.0	47.0	11.10	10.30	-18.00	-18.00	-19.65
GEW-221	2/24/2020 11:36:43 AM	27.4	51.9	0.0	20.7	81.2	81.2	3.18	4.64	-16.23	-16.23	-19.82
GEW-222	2/10/2020 2:19:38 PM	37.8	44.6	0.0	17.6	67.5	67.5	2.34	3.31	-8.65	-8.65	-19.41
GEW-222	2/24/2020 11:16:07 AM	35.6	47.0	0.0	17.4	72.5	72.4	8.51	3.70	-7.44	-7.10	-19.52
GEW-223	2/10/2020 1:52:27 PM	31.9	56.6	0.0	11.5	73.4	73.4	5.21	4.66	-6.25	-6.25	-19.24
GEW-223	2/24/2020 11:10:58 AM	31.3	57.4	0.0	11.3	70.2	70.2	4.24	9.10	-7.02	-7.10	-19.06
GEW-224	2/10/2020 1:44:04 PM	27.8	53.4	0.5	18.3	144.5	144.1	7.30	7.31	-12.83	-12.83	-19.62
GEW-224	2/10/2020 1:44:59 PM	27.3	54.1	0.7	17.9	144.2	144.2	7.00	7.43	-12.83	-12.83	-19.62
GEW-224	2/20/2020 2:57:54 PM	26.8	51.1	1.4	20.7	137.4	137.4	6.43	4.83	-12.17	-12.17	-19.06
GEW-224	2/20/2020 2:59:07 PM	27.6	52.6	1.3	18.5	137.4	137.3	8.49	5.55	-12.17	-12.21	-18.80
GEW-225	2/10/2020 2:42:48 PM	15.7	50.6	0.0	33.7	128.6	128.6	8.71	8.71	-7.30	-7.30	-19.53
GEW-225	2/24/2020 10:45:22 AM	13.1	55.7	0.0	31.2	167.2	167.6	17.03	15.17	-4.26	-4.14	-20.42
GEW-225	2/24/2020 10:46:30 AM	13.5	55.7	0.0	30.8	167.1	167.6	6.94	6.17	-3.72	-3.72	-20.50
GEW-226	2/10/2020 8:34:59 AM	13.2	42.4	0.0	44.4	180.9	180.2	13.32	14.21	-1.80	-1.80	-20.13
GEW-226	2/10/2020 8:36:25 AM	13.9	40.6	0.0	45.5	180.9	180.3	14.03	14.15	-1.80	-1.80	-20.00
GEW-226	2/20/2020 2:52:37 PM	11.4	37.9	0.0	50.7	180.3	180.2	16.37	17.65	-2.01	-2.02	-18.89
GEW-226	2/20/2020 2:53:43 PM	11.4	38.5	0.0	50.1	179.7	180.3	14.33	12.28	-1.97	-1.98	-19.18

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		(% vol)				°F		scfm		H ₂ O		
GEW-227	2/3/2020 2:29:46 PM	1.9	56.4	0.0	41.7	199.3	199.2	3.56	3.81	0.10	0.10	-18.22
GEW-227	2/3/2020 2:32:03 PM	1.9	58.1	0.0	40.0	201.6	201.6	9.51	9.59	-0.02	-0.02	-18.14
GEW-227	2/17/2020 1:58:59 PM	5.7	23.9	6.6	63.8	135.9	135.9	2.38	2.38	-0.18	-0.18	-19.16
GEW-227	2/17/2020 2:00:59 PM	5.6	23.9	6.6	63.9	128.7	128.6	1.08	1.87	-0.11	-0.10	-19.40
GEW-227	2/18/2020 2:00:33 PM	2.0	42.7	1.6	53.7	155.6	155.2	13.75	14.90	-0.28	-0.31	-19.65
GEW-227	2/18/2020 2:01:46 PM	1.4	44.9	1.6	52.1	155.6	156.5	2.31	5.15	-0.05	-0.04	-19.46
GEW-228	2/3/2020 1:34:53 PM	9.8	43.6	1.1	45.5	195.0	195.0	3.45	3.31	-0.07	-0.07	-18.10
GEW-228	2/3/2020 1:36:34 PM	9.2	45.1	1.0	44.7	195.2	195.1	3.58	3.95	-0.07	-0.07	-18.10
GEW-228	2/17/2020 2:14:56 PM	6.7	31.9	3.0	58.4	181.6	181.8	2.21	6.18	-0.23	-0.23	-19.46
GEW-228	2/17/2020 2:16:07 PM	7.0	31.4	3.0	58.6	182.1	182.1	4.94	6.17	-0.23	-0.23	-19.46
GEW-229	2/11/2020 2:44:29 PM	1.1	11.1	10.5	77.3	81.7	80.5	5.91	6.17	-0.04	-0.06	-18.85
GEW-229	2/11/2020 2:46:02 PM	1.2	10.9	10.5	77.4	77.3	77.1	2.51	0.84	-0.03	-0.01	-18.79
GEW-229	2/20/2020 2:40:02 PM	16.3	37.7	0.0	46.0	40.5	40.5	1.80	1.80	0.05	0.05	-18.69
GEW-229	2/20/2020 2:43:57 PM	16.9	37.3	0.0	45.8	55.2	55.2	8.40	8.66	-0.04	-0.04	-19.49
GEW-230	2/11/2020 8:47:55 AM	1.6	22.3	8.0	68.1	113.7	114.3	2.95	2.33	0.05	0.06	-19.70
GEW-230	2/11/2020 8:49:49 AM	1.4	22.6	8.0	68.0	140.3	140.9	5.04	4.92	-0.02	-0.02	-19.62
GEW-230	2/11/2020 8:50:50 AM	1.4	22.8	8.0	67.8	145.2	145.6	4.04	4.54	-0.02	-0.02	-19.75
GEW-230	2/11/2020 2:27:49 PM	1.3	20.6	9.0	69.1	153.3	153.3	4.90	4.35	-0.02	-0.01	-18.67
GEW-230	2/11/2020 2:30:40 PM	1.1	19.5	9.1	70.3	154.8	156.5	5.56	7.71	-0.06	-0.06	-18.67
GEW-230	2/20/2020 2:29:00 PM	2.6	41.3	1.1	55.0	43.7	43.7	2.49	1.75	0.05	0.05	-18.73
GEW-230	2/20/2020 2:30:54 PM	2.2	42.5	1.0	54.3	80.8	81.4	3.51	4.81	-0.06	-0.06	-18.69
GEW-231	2/11/2020 8:54:14 AM	15.9	30.9	9.1	44.1	118.0	117.7	4.79	6.02	-0.07	-0.06	-19.95
GEW-231	2/11/2020 8:56:20 AM	16.3	29.7	9.2	44.8	100.1	98.2	6.10	9.00	-0.02	-0.04	-20.01
GEW-232	2/3/2020 11:28:13 AM	15.2	55.5	0.0	29.3	188.9	188.7	2.17	1.31	0.13	0.13	-17.84
GEW-232	2/3/2020 11:30:31 AM	15.4	56.1	0.0	28.5	193.5	193.2	4.31	3.98	-0.08	-0.07	-18.01
GEW-232	2/17/2020 2:35:36 PM	24.5	54.9	0.0	20.6	136.2	136.2	6.36	6.36	-1.87	-1.87	-19.09
GEW-232	2/17/2020 2:37:10 PM	25.0	53.4	0.0	21.6	141.9	141.9	14.51	11.08	-2.96	-2.97	-19.58
GEW-233	2/3/2020 2:36:53 PM	7.5	46.0	0.0	46.5	136.5	136.8	5.40	11.60	-5.70	-5.70	-16.74
GEW-233	2/3/2020 2:39:04 PM	7.8	45.8	0.0	46.4	137.1	137.3	12.58	12.00	-5.74	-5.74	-14.63
GEW-233	2/17/2020 2:04:37 PM	7.3	42.4	0.0	50.3	139.6	139.3	23.57	21.35	-5.86	-5.86	-17.69
GEW-233	2/17/2020 2:06:24 PM	7.1	43.8	0.0	49.1	145.2	145.2	15.01	9.97	-7.93	-7.93	-18.18
GEW-234	2/7/2020 2:52:43 PM	2.8	51.7	0.2	45.3	201.6	201.6	8.83	8.93	-0.45	-0.45	-18.56
GEW-234	2/7/2020 2:53:48 PM	2.6	51.3	0.2	45.9	201.6	201.6	8.19	8.36	-0.45	-0.45	-18.65
GEW-234	2/20/2020 10:02:32 AM	5.9	40.3	1.9	51.9	196.4	196.4	7.81	7.98	-0.89	-0.88	-20.13
GEW-234	2/20/2020 10:03:45 AM	5.7	38.7	1.9	53.7	196.4	196.4	7.51	7.45	-0.89	-0.88	-20.17
GEW-235	2/7/2020 2:41:06 PM	26.7	53.4	0.0	19.9	116.0	116.3	4.20	3.76	-3.76	-3.76	-18.39
GEW-235	2/24/2020 8:16:27 AM	26.7	53.0	0.0	20.3	108.0	108.0	2.33	1.35	-4.19	-4.18	-20.04
GEW-236	2/4/2020 8:52:21 AM	1.9	36.3	5.9	55.9	201.6	201.6	3.99	3.87	-0.23	-0.22	-19.62
GEW-236	2/4/2020 8:54:45 AM	1.3	35.7	5.9	57.1	201.5	201.6	2.10	2.14	-0.15	-0.16	-20.08
GEW-236	2/18/2020 8:12:47 AM	1.3	50.0	0.2	48.5	203.9	203.9	3.29	3.01	0.30	0.31	-20.34
GEW-236	2/18/2020 8:15:28 AM	1.2	49.6	0.0	49.2	203.9	203.9	3.92	2.51	-0.11	-0.10	-20.51

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		(% vol)				°F		scfm		H ₂ O		
GEW-237	2/7/2020 2:23:35 PM	24.8	39.0	4.9	31.3	142.2	141.9	18.54	17.22	-0.37	-0.36	-18.45
GEW-237	2/7/2020 2:25:15 PM	24.7	38.8	4.8	31.7	141.9	141.9	15.43	13.27	-0.29	-0.27	-17.65
GEW-237	2/20/2020 2:01:40 PM	25.2	33.7	6.6	34.5	141.3	141.5	16.33	15.60	-0.27	-0.26	-19.87
GEW-237	2/20/2020 2:03:17 PM	24.8	34.0	6.6	34.6	141.5	141.5	14.83	14.95	-0.21	-0.21	-18.27
GEW-237	2/21/2020 1:50:35 PM	28.5	35.2	4.9	31.4	144.2	144.5	14.49	14.51	-0.21	-0.21	-18.10
GEW-237	2/21/2020 1:51:38 PM	28.0	35.4	4.9	31.7	144.5	144.9	13.90	13.85	-0.21	-0.21	-18.18
GEW-238	2/3/2020 1:55:07 PM	14.3	59.8	0.0	25.9	187.6	187.1	13.70	13.53	-1.09	-1.09	-17.89
GEW-238	2/3/2020 1:56:00 PM	14.4	57.5	0.0	28.1	187.6	187.1	12.84	13.81	-1.10	-1.10	-18.05
GEW-238	2/17/2020 2:27:47 PM	12.7	55.9	0.0	31.4	180.9	180.9	17.12	16.49	-1.49	-1.47	-19.22
GEW-238	2/17/2020 2:29:02 PM	12.6	58.1	0.0	29.3	180.9	180.9	14.47	16.31	-1.49	-1.48	-19.28
GEW-239	2/3/2020 10:54:16 AM	1.2	49.0	1.4	48.4	201.6	201.6	7.32	7.56	-0.31	-0.31	-17.80
GEW-239	2/3/2020 10:56:09 AM	1.1	51.0	1.4	46.5	201.6	201.6	11.81	11.44	-0.31	-0.31	-18.31
GEW-239	2/17/2020 1:44:17 PM	1.3	53.3	0.0	45.4	203.9	203.9	7.23	7.04	-0.06	-0.06	-18.48
GEW-239	2/17/2020 1:46:25 PM	1.2	52.5	0.0	46.3	203.9	203.9	8.83	8.68	-0.07	-0.06	-18.56
GEW-240	2/10/2020 8:10:34 AM	5.0	28.1	6.9	60.0	196.3	195.7	20.97	21.38	-0.40	-0.39	-19.87
GEW-240	2/10/2020 8:13:47 AM	4.6	29.8	6.8	58.8	195.7	195.7	20.75	21.67	-0.25	-0.25	-19.83
GEW-240	2/11/2020 2:35:17 PM	4.6	35.3	4.0	56.1	198.6	198.0	21.53	21.44	-0.13	-0.12	-18.91
GEW-240	2/11/2020 2:36:37 PM	4.4	37.5	3.9	54.2	198.6	197.9	22.44	15.54	-0.12	-0.12	-18.79
GEW-240	2/24/2020 8:37:49 AM	0.4	57.7	0.0	41.9	205.3	205.2	20.80	22.74	-0.13	-0.14	-19.95
GEW-240	2/24/2020 8:39:37 AM	0.3	58.5	0.0	41.2	205.4	205.2	35.92	36.23	-3.05	-2.99	-19.82
GEW-25	2/7/2020 9:22:54 AM	59.7	37.1	0.0	3.2	48.5	47.9	16.36	15.10	-4.78	-4.69	-13.44
GEW-25	2/14/2020 1:21:05 PM	61.2	33.4	0.1	5.3	48.8	48.8	16.68	10.70	-0.70	-0.67	-13.28
GEW-25	2/17/2020 11:50:03 AM	59.6	36.0	0.0	4.4	54.2	54.2	12.72	13.64	-0.84	-0.75	-13.28
GEW-25	2/17/2020 11:55:22 AM	60.5	34.6	0.0	4.9	54.3	54.3	4.02	16.34	-0.89	-0.89	-13.10
GEW-25	2/27/2020 11:00:44 AM	57.5	36.5	0.0	6.0	53.7	53.7	12.38	12.38	-0.92	-0.92	-12.85
GEW-25	2/27/2020 11:06:45 AM	59.0	34.5	0.0	6.5	54.2	54.2	11.36	11.36	-0.89	-0.89	-12.85
GIW-01	2/5/2020 10:14:10 AM	18.9	49.9	2.5	28.7	74.3	74.3	3.40	4.14	-0.40	-0.40	-19.62
GIW-01	2/14/2020 10:18:10 AM	22.8	53.5	1.0	22.7	98.7	98.7	3.41	3.59	-0.26	-0.26	-18.90
GIW-01	2/17/2020 8:21:16 AM	20.0	54.5	2.0	23.5	88.9	88.9	4.68	1.85	-0.31	-0.32	-19.62
GIW-01	2/17/2020 8:26:45 AM	20.1	51.9	2.1	25.9	91.0	91.0	2.17	1.35	-0.30	-0.31	-19.66
GIW-01	2/26/2020 9:07:42 AM	20.9	39.2	4.9	35.0	66.6	66.8	5.76	5.37	-0.74	-0.71	-19.74
GIW-02	2/5/2020 10:16:49 AM	6.1	54.3	0.9	38.7	36.5	36.5	2.75	3.03	-0.20	-0.20	-19.96
GIW-02	2/14/2020 10:21:21 AM	8.1	49.9	0.0	42.0	47.3	47.9	3.48	2.73	-0.19	-0.19	-18.90
GIW-02	2/17/2020 8:30:32 AM	8.0	54.5	0.1	37.4	46.8	46.8	2.89	2.89	-0.23	-0.23	-19.62
GIW-02	2/17/2020 8:35:47 AM	7.3	53.5	0.1	39.1	46.7	46.7	4.01	4.01	-0.24	-0.24	-19.62
GIW-02	2/26/2020 9:13:48 AM	7.5	43.7	0.9	47.9	36.5	36.6	1.28	2.21	-0.33	-0.28	-19.99
GIW-03	2/5/2020 10:19:51 AM	20.4	50.6	0.0	29.0	38.6	38.7	2.38	2.04	-8.27	-8.27	-19.79
GIW-03	2/14/2020 10:24:43 AM	21.1	48.9	0.2	29.8	56.3	56.0	2.13	0.93	-7.13	-7.13	-18.60
GIW-03	2/17/2020 8:39:34 AM	21.0	50.0	0.2	28.8	57.5	57.5	2.78	3.26	-7.18	-7.18	-19.70
GIW-03	2/17/2020 8:44:51 AM	21.6	48.2	0.2	30.0	59.5	59.4	3.02	3.02	-7.18	-7.18	-19.66
GIW-03	2/26/2020 9:20:03 AM	20.2	52.3	0.0	27.5	38.9	38.8	3.93	3.73	-8.79	-8.79	-19.74

February 2020 Wellfield Monitoring Data - Bridgeton Landfill

Well Name	Date Sampled	Methane	CO ₂	O ₂	Balance Gas	Init Temp	Adj Temp	Init Flow	Adj Flow	Init Static Press	Adj Static Press	System Pressure
		(% vol)				°F		scfm		H ₂ O		
GIW-04	2/5/2020 10:22:02 AM	15.7	47.3	0.7	36.3	35.9	35.9	2.43	2.07	-3.10	-3.10	-19.62
GIW-04	2/14/2020 10:28:12 AM	17.7	44.5	1.8	36.0	41.0	41.2	3.93	3.93	-1.75	-1.75	-18.60
GIW-04	2/17/2020 8:48:03 AM	18.5	48.4	0.6	32.5	45.8	45.8	2.88	2.60	-2.66	-2.66	-19.62
GIW-04	2/17/2020 8:53:39 AM	18.5	49.2	0.6	31.7	45.9	45.9	2.60	3.13	-2.70	-2.70	-19.62
GIW-04	2/26/2020 9:26:05 AM	16.7	52.6	0.0	30.7	37.6	37.7	3.57	3.57	-3.63	-3.63	-19.65
GIW-05	2/5/2020 10:26:40 AM	21.1	33.5	4.3	41.1	36.4	36.5	3.73	3.51	-2.08	-2.08	-19.37
GIW-05	2/14/2020 10:31:30 AM	0.9	5.2	20.4	73.5	28.5	28.5	3.44	2.92	-1.66	-1.65	-18.60
GIW-05	2/14/2020 10:33:17 AM	1.3	4.8	20.9	73.0	29.0	28.8	2.92	2.92	-1.45	-1.45	-18.56
GIW-05	2/17/2020 8:57:35 AM	1.2	5.3	20.6	72.9	46.4	46.4	3.42	3.64	-1.42	-1.42	-19.70
GIW-05	2/17/2020 9:03:55 AM	0.2	0.6	21.0	78.2	45.9	45.9	2.89	2.89	-1.41	-1.41	-19.41
GIW-05	2/26/2020 9:37:04 AM	25.6	41.6	0.7	32.1	39.1	39.2	9.07	8.61	-2.75	-2.75	-19.91
GIW-06	2/6/2020 2:29:14 PM	37.9	39.0	0.1	23.0	36.4	36.4	2.49	2.36	-16.12	-16.12	-18.94
GIW-06	2/14/2020 10:36:52 AM	30.3	45.4	0.0	24.3	37.8	38.1	2.78	2.78	-1.15	-1.14	-19.53
GIW-06	2/17/2020 9:11:30 AM	39.3	39.2	0.2	21.3	46.2	46.3	4.48	4.46	-11.27	-11.27	-19.62
GIW-06	2/17/2020 9:16:44 AM	39.1	39.7	0.0	21.2	46.3	46.4	3.71	3.51	-11.44	-11.44	-19.62
GIW-06	2/26/2020 10:27:10 AM	41.4	40.2	0.0	18.4	40.9	41.0	3.45	3.22	-15.05	-15.05	-19.69
GIW-07	2/6/2020 2:31:19 PM	53.9	43.3	0.0	2.8	36.3	36.4	4.60	5.09	-1.63	-1.63	-19.28
GIW-07	2/14/2020 10:38:51 AM	52.8	43.9	0.0	3.3	41.6	41.9	2.46	4.12	-1.76	-1.77	-18.69
GIW-07	2/17/2020 9:19:50 AM	53.8	43.1	0.0	3.1	46.8	46.9	4.36	4.00	-1.62	-1.61	-19.62
GIW-07	2/17/2020 9:24:45 AM	54.2	42.3	0.0	3.5	46.8	46.8	4.54	4.54	-1.58	-1.59	-19.53
GIW-07	2/26/2020 10:37:05 AM	53.5	44.0	0.0	2.5	45.6	45.7	3.95	3.95	-2.05	-2.02	-19.82
GIW-08	2/6/2020 2:33:52 PM	48.3	43.1	0.0	8.6	37.0	37.0	3.61	2.26	-2.38	-2.39	-19.62
GIW-08	2/14/2020 10:40:54 AM	51.5	43.0	0.0	5.5	41.2	41.3	3.72	3.93	-2.04	-2.04	-18.27
GIW-08	2/17/2020 9:28:16 AM	52.0	43.6	0.0	4.4	47.0	47.0	3.79	3.13	-2.17	-2.17	-19.62
GIW-08	2/17/2020 9:33:42 AM	52.0	43.3	0.0	4.7	46.8	46.8	3.99	3.13	-2.20	-2.20	-19.66
GIW-08	2/26/2020 10:39:42 AM	49.1	42.5	0.0	8.4	45.5	45.5	3.74	2.49	-2.65	-2.64	-19.95
GIW-09	2/6/2020 2:36:12 PM	23.5	37.7	0.1	38.7	35.2	35.2	2.27	1.14	-0.89	-0.88	-18.94
GIW-09	2/14/2020 10:43:38 AM	28.5	41.3	0.0	30.2	35.9	36.0	2.25	1.17	-0.51	-0.51	-18.31
GIW-09	2/17/2020 9:37:07 AM	30.8	45.7	0.0	23.5	46.5	46.5	2.89	3.15	-0.53	-0.53	-19.28
GIW-09	2/17/2020 9:42:38 AM	30.6	45.4	0.0	24.0	46.7	46.7	3.81	3.38	-0.52	-0.52	-19.62
GIW-09	2/26/2020 10:42:29 AM	24.0	39.4	0.1	36.5	44.0	44.1	1.25	1.25	-1.06	-1.06	-19.65
GIW-10	2/6/2020 2:53:52 PM	23.1	34.9	0.0	42.0	36.5	36.6	2.76	3.03	-3.46	-3.46	-19.24
GIW-10	2/14/2020 10:45:34 AM	27.1	37.5	0.0	35.4	40.2	40.5	4.54	4.54	-2.91	-2.90	-18.27
GIW-10	2/17/2020 10:10:21 AM	29.6	35.8	0.0	34.6	47.2	46.7	4.02	3.83	-2.58	-2.59	-19.66
GIW-10	2/17/2020 10:15:38 AM	29.5	36.0	0.0	34.5	47.3	47.3	2.34	1.99	-2.90	-2.90	-19.28
GIW-10	2/26/2020 9:04:38 AM	25.5	33.8	0.0	40.7	36.1	36.1	4.56	3.10	-3.90	-3.90	-19.74
GIW-11	2/6/2020 2:56:39 PM	26.5	34.4	0.6	38.5	35.1	35.1	1.70	3.07	-2.10	-2.09	-13.45
GIW-11	2/14/2020 10:48:36 AM	27.2	35.4	0.0	37.4	39.2	39.2	2.77	2.13	-1.44	-1.45	-7.36
GIW-11	2/17/2020 10:19:27 AM	28.3	35.5	0.1	36.1	47.4	47.4	3.06	3.03	-1.89	-1.89	-12.64
GIW-11	2/17/2020 10:24:51 AM	28.2	34.9	0.1	36.8	47.6	47.6	3.36	2.65	-1.89	-1.89	-12.35
GIW-11	2/26/2020 9:01:36 AM	24.6	33.1	0.6	41.7	36.0	36.0	4.92	5.39	-2.41	-2.36	-13.02

February 2020 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-12	2/6/2020 2:59:18 PM	31.8	36.7	1.3	30.2	34.1	34.1	3.65	2.28	-0.27	-0.27	-18.27
GIW-12	2/14/2020 10:50:45 AM	27.1	45.2	0.0	27.7	33.4	33.6	4.58	4.01	-0.11	-0.11	-1.69
GIW-12	2/17/2020 10:28:09 AM	33.3	37.1	0.7	28.9	47.4	47.4	3.14	2.61	-0.26	-0.26	-18.27
GIW-12	2/17/2020 10:33:49 AM	33.3	36.6	0.7	29.4	47.3	47.3	2.89	3.14	-0.28	-0.29	-18.35
GIW-12	2/26/2020 8:56:03 AM	32.1	35.5	1.8	30.6	34.5	34.5	2.22	1.81	-0.38	-0.37	-18.72
GIW-13	2/6/2020 3:01:59 PM	41.5	47.1	0.0	11.4	34.7	34.8	3.65	3.17	-0.54	-0.53	-8.12
GIW-13	2/14/2020 10:52:59 AM	43.8	47.2	0.0	9.0	33.8	34.1	2.81	2.50	-0.77	-0.76	-8.12
GIW-13	2/17/2020 10:37:16 AM	44.3	45.4	0.0	10.3	47.5	47.4	3.59	3.37	-0.81	-0.81	-13.49
GIW-13	2/17/2020 10:42:35 AM	44.3	45.4	0.0	10.3	47.3	47.3	3.60	3.14	-0.81	-0.80	-12.52
GIW-13	2/26/2020 8:53:20 AM	44.4	43.4	0.0	12.2	34.5	34.5	3.13	4.61	-0.80	-0.84	-8.76
LCS-1D	2/3/2020 8:23:40 AM	57.3	38.0	0.4	4.3	54.2	54.2	5.03	4.88	-1.99	-1.99	-15.52
LCS-1D	2/24/2020 2:21:33 PM	54.2	40.6	0.7	4.5	48.8	48.8	3.79	3.13	-2.13	-2.13	-14.88
LCS-2D	2/10/2020 2:15:36 PM	57.2	40.0	0.0	2.8	37.1	37.1	4.37	4.69	-18.57	-18.57	-19.62
LCS-2D	2/21/2020 8:24:44 AM	57.6	41.6	0.0	0.8	37.4	37.6	7.49	6.26	11.14	11.14	-19.62
LCS-2D	2/21/2020 8:27:36 AM	56.3	41.9	0.0	1.8	37.3	37.1	3.87	3.91	-12.49	-12.49	-19.96
LCS-3D	2/10/2020 10:56:51 AM	16.9	46.0	3.3	33.8	36.0	36.0	5.58	12.88	-19.95	-19.95	-19.89
LCS-3D	2/21/2020 9:40:56 AM	27.3	62.5	0.3	9.9	109.3	109.7	12.34	6.59	-9.12	-9.12	-12.05
LCS-4B	2/4/2020 8:58:36 AM	14.5	56.5	3.5	25.5	43.7	43.4	3.36	3.31	-18.15	-18.15	-20.17
LCS-4B	2/24/2020 11:11:10 AM	6.7	22.6	14.6	56.1	46.5	46.5	1.88	1.88	-18.91	-18.91	-20.00
LCS-4B	2/24/2020 11:12:03 AM	5.9	22.4	15.4	56.3	46.4	46.4	4.03	2.78	-18.91	-18.91	-20.04
LCS-5A	2/6/2020 2:17:01 PM	59.0	39.9	0.0	1.1	69.5	69.2	13.56	10.72	-10.82	-10.82	-13.10
LCS-5A	2/12/2020 9:07:00 AM	57.9	41.3	0.0	0.8	74.7	74.3	13.44	9.90	-11.17	-10.80	-12.91
LCS-5A	2/18/2020 1:51:34 PM	57.8	39.8	0.0	2.4	73.6	73.4	12.61	14.82	-10.80	-10.62	-12.79
LCS-5A	2/27/2020 2:43:19 PM	57.1	40.9	0.0	2.0	71.2	71.3	7.29	12.63	-11.16	-11.16	-13.06
LCS-5B	2/6/2020 2:29:29 PM	54.6	41.7	0.0	3.7	120.0	122.1	27.02	26.43	-8.46	-8.79	-13.56
LCS-5B	2/12/2020 9:10:27 AM	55.6	40.7	0.0	3.7	130.9	130.9	16.44	14.45	-11.65	-11.71	-13.46
LCS-5B	2/12/2020 9:12:14 AM	55.0	42.6	0.0	2.4	128.0	128.5	11.41	11.41	-11.71	-11.71	-13.46
LCS-5B	2/18/2020 1:54:35 PM	55.1	40.0	0.0	4.9	119.5	119.8	20.43	16.01	-10.62	-11.04	-13.28
LCS-5B	2/27/2020 2:55:23 PM	54.1	42.5	0.0	3.4	118.7	120.2	25.75	28.17	-10.14	-10.52	-12.89
LCS-6B	2/7/2020 9:41:40 AM	56.5	41.4	0.0	2.1	47.9	48.5	13.07	13.40	-1.03	-1.02	-13.44
LCS-6B	2/12/2020 9:19:27 AM	55.6	41.7	0.0	2.7	42.1	42.1	18.97	18.73	-0.47	-0.47	-13.28
LCS-6B	2/18/2020 9:05:12 AM	55.6	40.8	0.0	3.6	42.8	42.8	8.45	7.91	-1.41	-1.41	-13.40
LCS-6B	2/28/2020 8:18:37 AM	54.3	39.8	0.0	5.9	40.4	40.5	8.50	7.36	-0.49	-0.47	-13.23
SEW-002	2/10/2020 11:15:00 AM	48.4	25.4	3.2	23.0	37.9	37.8	3.21	2.43	-17.22	-17.22	-17.89
SEW-002	2/24/2020 10:24:51 AM	56.7	29.2	1.4	12.7	47.1	47.1	3.39	3.39	-17.29	-17.29	-17.35
SEW-003	2/3/2020 11:19:37 AM	2.4	39.1	3.6	54.9	83.3	83.3	7.79	8.69	-0.04	-0.04	-18.01
SEW-003	2/25/2020 10:24:40 AM	2.9	42.6	0.8	53.7	46.1	46.0	5.55	5.69	-0.05	-0.04	-19.74
T-56	2/7/2020 10:12:00 AM	53.5	37.4	0.0	9.1	43.2	43.4	5.75	5.22	-0.01	-0.01	-13.18
T-56	2/12/2020 9:23:32 AM	55.1	38.3	0.0	6.6	42.6	43.1	22.33	12.31	-0.03	-0.02	-13.53
T-56	2/18/2020 9:43:01 AM	47.3	34.6	0.7	17.4	42.7	42.6	17.05	18.23	-0.04	-0.02	-13.59
T-56	2/28/2020 8:53:16 AM	54.4	36.5	0.0	9.1	42.1	42.4	12.22	14.71	-0.02	-0.02	-13.74

ATTACHMENT D-2

MAXIMUM WELLHEAD TEMPERATURE TABLE

Wellfield Temperature - Bridgeton Landfill

Well Name					Temp Trend	Comments
	November 2019	December 2019	January 2020	February 2020	><30°F	
GEW-002	112.5	112.2	110.7	110.1		
GEW-003	111.7	113.7	108.4	105.7		
GEW-004	111.5	111.0	106.7	105.5		
GEW-005	84.0	84.4	76.4	84.5		
GEW-006	85.8	85.1	81.2	78.7		
GEW-007	91.4	90.8	89.8	87.9		
GEW-008	112.0	112.2	110.7	110.0		
GEW-009	121.8	121.6	119.4	120.7		
GEW-010	91.5	92.9	79.8	65.0		
GEW-013A	193.0	193.6	192.9	192.3		
GEW-015	102.8	95.4	97.0	100.9		
GEW-016R	171.0	169.5	166.9	168.1		
GEW-018B	195.6	202.4	180.3	182.7		
GEW-019A	63.3	42.7	50.4	45.3		
GEW-039	105.3	106.5	106.2	104.8		
GEW-040	58.7	54.7	52.6	47.0		
GEW-041R	89.6	76.6	74.1	56.2		
GEW-042R	103.9	103.0	101.8	99.9		
GEW-043R	116.6	115.8	115.5	114.1		
GEW-044	89.7	69.1	70.5	54.4		
GEW-045R	92.2	91.0	89.0	83.5		
GEW-046R	89.6	88.9	84.5	72.0		
GEW-047R	100.8	103.8	98.9	97.4		
GEW-048	97.9	97.0	94.3	93.2		
GEW-049	97.9	83.2	90.8	65.9		
GEW-050	100.8	100.6	98.4	99.4		
GEW-051	115.6	120.3	117.7	116.9		
GEW-052	106.7	105.7	100.8	99.9		
GEW-053	142.2	142.3	141.9	141.5		
GEW-054	146.6	146.3	146.3	146.3		
GEW-055	130.0	128.9	124.2	122.3		
GEW-056R	91.2	95.5	85.2	60.2		
GEW-057B	179.7	170.5	141.5	151.3		
GEW-058A	108.0	90.3	57.5	49.4		
GEW-059R	121.5	121.9	122.6	110.0		
GEW-067A	196.4	195.0	202.3	197.9		
GEW-068A	197.2	196.6	201.6	197.9		
GEW-078R	154.0	147.5	152.1	144.2		
GEW-082R	176.9	172.6	173.1	171.0		

Wellfield Temperature - Bridgeton Landfill

Well Name					Temp Trend	Comments
	November 2019	December 2019	January 2020	February 2020	><30°F	
GEW-086	184.5	190.2	183.9	188.3		
GEW-087	192.4	187.6	179.7	195.0		
GEW-088	187.6	180.9	180.3	190.2		
GEW-090	203.1	194.3	162.8	166.1		
GEW-091	194.3	193.6	195.7	187.2		
GEW-100	70.5	76.6	138.3	37.2		
GEW-101	79.9	67.7	72.0	49.9		
GEW-102	60.4	48.2	41.6	54.7		
GEW-104	151.3	137.6	178.6	185.7		
GEW-105	140.2	132.3	120.2	127.5		
GEW-106	171.6	169.5	171.6	162.9		
GEW-107	135.5	146.2	128.4	111.6		
GEW-108	174.2	185.1	179.7	154.8		
GEW-109	91.8	104.3	104.7	82.7		
GEW-110	94.1	94.6	67.7	53.0		
GEW-113	168.1	170.4	171.9	176.4		
GEW-116	169.3	165.2	158.5	158.5		
GEW-117	171.0	167.6	149.8	120.7		
GEW-118	202.3	193.6	188.3	188.7		
GEW-120	93.6	122.5	122.3	98.9		
GEW-121	152.1	150.6	142.5	147.8		
GEW-122	109.6	97.9	89.3	90.1		
GEW-123	90.6	69.1	62.6	61.2		
GEW-124	77.3	63.4	58.0	43.7		
GEW-125	78.6	57.3	63.0	48.2		
GEW-126	61.0	61.6	66.3	47.0		
GEW-127	108.3	81.6	60.4	54.4		
GEW-128	--	--	--	--		Temporarily decommissioned
GEW-129	134.4	140.9	134.1	105.5		
GEW-130	160.5	158.1	159.4	152.9		
GEW-131	126.0	129.4	121.0	90.3		
GEW-132	130.6	127.3	126.4	121.0		
GEW-133	141.5	128.9	120.2	84.7		
GEW-134	82.1	73.2	69.8	76.1		
GEW-135	111.0	109.0	97.9	102.6		
GEW-137	72.5	65.1	64.0	53.9		
GEW-138	63.5	59.8	51.0	38.9		
GEW-139	156.4	141.5	143.2	183.3		
GEW-140	172.6	137.4	120.2	81.8		

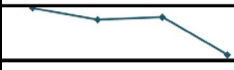
Wellfield Temperature - Bridgeton Landfill

Well Name					Temp Trend	Comments
	November 2019	December 2019	January 2020	February 2020	><30°F	
GEW-144	--	--	--	47.0		
GEW-145	49.6	49.4	43.1	56.1		
GEW-147	147.7	154.4	178.4	163.3		
GEW-148	148.9	151.3	145.2	160.7		
GEW-149	87.9	105.7	59.2	75.3		
GEW-150	186.4	154.4	128.9	186.4		
GEW-151	67.8	87.5	64.2	93.1		
GEW-152	97.7	94.1	80.0	84.7		
GEW-153	93.8	92.7	88.2	88.6		
GEW-154	--	--	--	--		Temporarily decommissioned
GEW-155	58.5	--	--	--		Temporarily decommissioned
GEW-156	92.2	124.7	93.1	81.7		
GEW-157	90.7	75.5	77.3	61.5		
GEW-158	100.1	92.2	92.0	82.1		
GEW-159	95.8	102.1	78.7	38.4		
GEW-160	96.3	92.9	63.7	46.8		
GEW-161	112.0	106.9	89.3	61.9		
GEW-162	75.9	80.6	64.2	38.3		
GEW-163	154.4	146.3	130.9	136.9		
GEW-164	146.0	150.6	154.9	147.3		
GEW-165	149.5	149.1	144.5	150.6		
GEW-166	182.1	184.5	167.1	175.3		
GEW-167	148.1	146.3	143.2	140.6		
GEW-168	133.5	133.8	129.3	122.6		
GEW-169	135.6	117.6	94.3	74.3		
GEW-170	135.8	129.0	123.0	104.8		
GEW-171	76.2	66.1	63.0	44.1		
GEW-172	157.3	147.5	159.8	155.6		
GEW-173	--	--	--	--		Temporarily decommissioned
GEW-174	129.8	129.5	116.6	119.4		
GEW-175	154.0	145.6	144.9	141.5		
GEW-176	64.7	102.1	61.2	37.3		
GEW-177	175.3	170.5	171.2	169.0		
GEW-178	77.8	74.5	71.5	54.5		
GEW-179	95.8	68.0	68.1	75.7		
GEW-180	98.4	100.1	83.8	68.9		
GEW-181	103.3	102.8	65.3	66.1		

Wellfield Temperature - Bridgeton Landfill

Well Name					Temp Trend	Comments
	November 2019	December 2019	January 2020	February 2020	><30°F	
GEW-182	--	--	--	--		Temporarily decommissioned
GEW-184	--	--	--	--		Temporarily decommissioned
GEW-185	121.0	132.3	112.7	91.7		
GEW-186	97.3	82.4	70.7	68.4		
GEW-187	117.1	121.0	113.0	98.7		
GEW-188	--	--	--	--		Temporarily decommissioned
GEW-217	95.7	186.4	185.0	52.9		
GEW-218	121.5	110.2	97.2	98.8		
GEW-219	172.1	176.0	164.7	140.6		
GEW-220	182.1	182.1	151.7	136.5		
GEW-221	100.5	96.3	84.4	81.2		
GEW-222	178.6	104.8	87.9	72.5		
GEW-223	162.0	129.7	129.8	73.4		
GEW-224	176.9	171.0	162.9	144.5		
GEW-225	185.1	126.4	180.3	167.6		
GEW-226	188.3	183.9	184.5	180.9		
GEW-227	202.3	198.7	191.6	201.6		
GEW-228	189.6	197.2	202.3	195.2		
GEW-229	104.5	103.4	87.7	81.7		
GEW-230	185.7	167.6	156.0	156.5		
GEW-231	129.3	119.4	117.0	118.0		
GEW-232	136.2	79.9	139.0	193.5		
GEW-233	150.6	54.7	127.2	145.2		
GEW-234	191.6	191.7	197.9	201.6		
GEW-235	143.2	128.6	121.9	116.3		
GEW-236	204.7	204.7	203.9	203.9		
GEW-237	161.1	148.1	146.3	144.9		
GEW-238	197.0	200.8	187.6	187.6		
GEW-239	185.1	192.3	203.9	203.9		
GEW-240	197.2	154.0	205.4	205.4		
GEW-2S	67.5	66.1	62.9	54.3		
GIW-01	107.7	102.3	91.0	98.7		
GIW-02	76.4	77.5	58.0	47.9		
GIW-03	70.6	74.8	56.0	59.5		
GIW-04	75.8	79.8	53.8	45.9		
GIW-05	71.1	69.8	52.1	46.4		
GIW-06	75.9	77.5	54.7	46.4		
GIW-07	72.6	75.9	56.5	46.9		

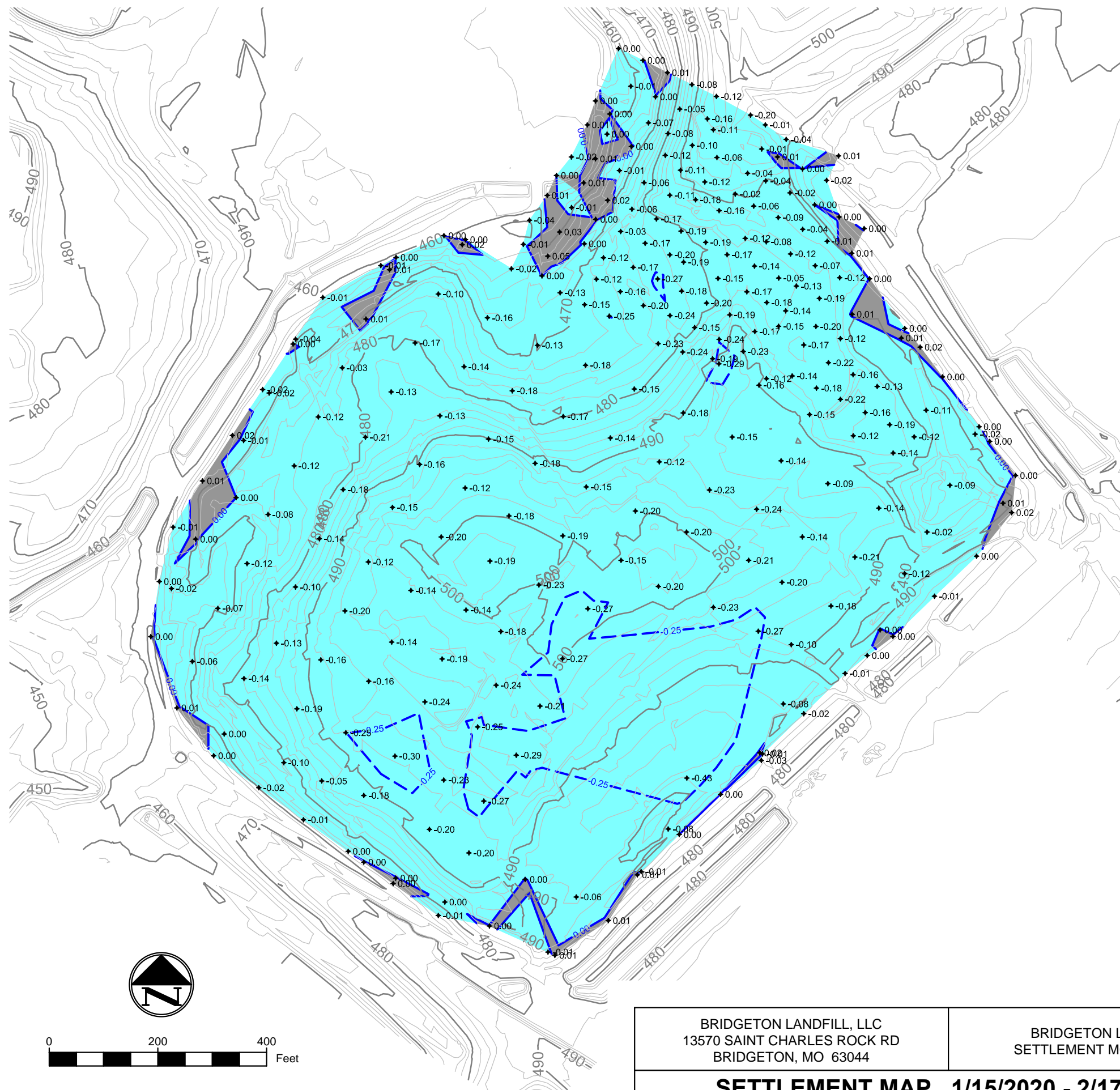
Wellfield Temperature - Bridgeton Landfill

Well Name					Temp Trend	Comments
	November 2019	December 2019	January 2020	February 2020	><30°F	
GIW-08	68.5	70.7	53.9	47.0		
GIW-09	72.7	72.3	52.3	46.7		
GIW-10	75.5	75.7	54.7	47.3		
GIW-11	78.9	77.5	55.6	47.6		
GIW-12	75.0	73.0	57.2	47.4		
GIW-13	72.6	72.3	58.0	47.5		
LCS-1D	63.5	55.5	63.0	54.2		
LCS-2D	71.6	67.6	60.7	37.6		
LCS-3D	151.0	140.6	142.9	109.7		
LCS-4B	62.7	52.6	50.5	46.5		
LCS-5A	91.4	83.5	80.5	74.7		
LCS-5B	137.7	135.5	128.1	130.9		
LCS-6B	72.3	68.3	58.8	48.5		
SEW-002	59.2	52.5	66.0	47.1		
SEW-003	68.6	65.5	66.0	83.3		
T-56	58.9	53.6	49.8	43.4		

-- = 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	
2	-4.00	-3.00	0.00	
3	-3.00	-2.00	0.00	
4	-2.00	-1.00	0.00	
5	-1.00	0.00	1,473,357.44	
6	0.00	1.00	59,085.93	

LEGEND

- 12-10-2019 TOPOGRAPHY (2' CONTOUR)
 - 12-10-2019 TOPOGRAPHY (10' CONTOUR)
 - .25 MINOR ELEVATION CHANGE CONTOUR (0.25 FEET)
 - .50 MAJOR ELEVATION CHANGE CONTOUR (0.50 FEET)
 - 0.03 SPOT ELEVATION DIFFERENCE (1-15-2020 to 2-17-2020)
 - 2-2020 *SETTLEMENT FRONT CONTOUR FOR AREA WITH 1.49' PER 33 DAYS FOR CURRENT PERIOD OF DAYS
- *NONE FOR FEBRUARY 2020

NOTES:

1. EXISTING CONTOURS DEVELOPED FROM SITE AERIAL TOPOGRAPHIC SURVEY BY COOPER AERIAL SURVEYS CO. ON DECEMBER 10, 2019.
2. FOR CLARITY, NOT ALL SITE FEATURES MAY BE SHOWN.
3. ELEVATION DIFFERENCE DETERMINED BY SUBTRACTING SPOT ELEVATIONS SURVEYED ON 1-15-20 FROM SPOT ELEVATIONS SURVEYED ON 2-17-20.
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

SETTLEMENT MAP 1/15/2020 - 2/17/2020

PROJECT NUMBER: BT-145 | FILE PATH: D:\Dropbox (Feezor Engineering)\Bridgeton100-149\BT-145 (Agreed Order Reporting)\Monthly Reports\2020\02-2020 Report\Internal Draft\Site Data\settlement\Settlement And Fill 2-17-2020.dwg



FEBRUARY 2020
DESIGNED BY: IN
APPROVED BY: DRF

REVISION DATE

DRAWING NO.:

001

ATTACHMENT F

LIQUID CHARACTERIZATION DATA AND DISCHARGE LOG

Bridgeton Landfill - Leachate PreTreatment Plant February 2020

Liquid Characterization Data

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

Hauled Disposal to MSD – Bissell Point

Date	Waste	Source	Transporter	Quantity
2/1/2020				0
2/2/2020				0
2/3/2020				0
2/4/2020				0
2/5/2020				0
2/6/2020				0
2/7/2020				0
2/8/2020				0
2/9/2020				0
2/10/2020				0
2/11/2020				0
2/12/2020				0
2/13/2020				0
2/14/2020				0
2/15/2020	LPTP Activated Sludge/ Permeate	Tank 1 (T1)	MBI	0
2/16/2020				0
2/17/2020				0
2/18/2020				0
2/19/2020				0
2/20/2020				0
2/21/2020				0
2/22/2020				0
2/23/2020				0
2/24/2020				0
2/25/2020				0
2/26/2020				0
2/27/2020				0
2/28/2020				0
2/29/2020				0
Total				0

Direct Discharge to MSD

Date	Waste	Source	Quantity (gal)
2/1/2020			142,816
2/2/2020			140,200
2/3/2020			276,864
2/4/2020			264,048
2/5/2020			260,864
2/6/2020			209,824
2/7/2020			132,600
2/8/2020			130,808
2/9/2020			137,528
2/10/2020			140,240
2/11/2020			230,048
2/12/2020			285,968
2/13/2020			262,208
2/14/2020		Through Tank AST 97k	107,368
2/15/2020	LPTP Permeate	(MSD Sampling Point 013)	108,672
2/16/2020			92,728
2/17/2020			125,616
2/18/2020			122,552
2/19/2020			152,520
2/20/2020			210,728
2/21/2020			186,528
2/22/2020			178,224
2/23/2020			118,928
2/24/2020			117,024
2/25/2020			117,056
2/26/2020			116,176
2/27/2020			225,664
2/28/2020			269,035
2/29/2020			272,460
Total			5,135,295

ATTACHMENT G

VOLUMES OF LEACHATE PROCESSED

Bridgeton Landfill - Leachate Volumes
February 2020

Total volume of leachate from the individual leachate collection sumps during the month. Additional non-LCS leachate was collected and the total volume was 1,551,955 gallons. Therefore, the total leachate collected was 3,221,255 gallons.

ID	Volume
LCS -1D	0
LCS-2D	0
LCS-3D	173,684
LCS-4B	0
LCS-5A	1,457,920
LCS-5B	37,696
LCS-6B	0