Bridgeton Landfill, LLC

Monthly Data Submittals

July 2020

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

Contents:

Commentary on Data
Attachment A Daily Flare Monitoring Data
- **A-1 Flow Data Table**
- **A-2 Flow Data Graphs**

Attachment B Well Condition/Status Update
Attachment C Laboratory Data
- **C-1 Lab Analyses Summary**
- **C-2 Lab Analyses Reports**

Attachment D Gas Wellfield Data
- **D-1 Wellfield Data Table**
- **D-2 Maximum Wellhead Temperature Table**

Attachment E Settlement Front Map
Attachment F Liquid Characterization Data and Discharge Log
Attachment G Volumes of Leachate Processed
Attachment H Slip Failure and Separation Assessment

Provided Separately:

– Flare Raw Data Excel Spreadsheet
– Gas Wellfield Raw Data Excel Spreadsheet

August 20, 2020

Commentary on Data

August 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 1,124 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 July 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 9 GEW wells that are experiencing low or restricted flows, and one (1) leachate collection sump (LCS) that exhibit low gas flow due to the cooling loops that are installed in these wells. By the end of the month, none of the GEW Wells and one LCS well 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. Two (2) vertical wells (excluding GIW wells) increased by 30°F or more and two (2) decreased by 30°F or more during this reporting period. 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 (55 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 Third Quarter 2020. 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 0.31 feet over 30 days during this reporting period (see Attachment E).
- The North Quarry exhibited quarterly maximum settlement up to .30 feet over 88 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 not used as a supplemental fuel for the destruction of landfill gas in the previous month.

Slip Failure or Separation Assessment

- On June 18, 2020, an inspection of the Bridgeton Landfill was performed by P.J. Carey of Feezor Engineering, Inc, to identify visual evidence of instability or incipient failure. This inspection included the north and south quarry fill areas. The findings of this inspection were discussed in a separate report which was submitted on July 30, 2020. A copy of the Slip Failure or Separation Assessment is included in Attachment H.

ATTACHMENT A

DAILY FLARE MONITORING DATA

ATTACHMENT A-1

FLOW DATA TABLE

Daily Flare Monitoring Data - Bridgeton Landfill
July 2020

Date	Average Device Flow* (scfm)			Total Avg. Flow** (scfm)
	Utility Flare (FL-100)	Utility Flare (FL-120)	Utility Flare (FL-140)	
7/1/2020	1,090	0	0	1,090
7/2/2020	1,129	0	0	1,129
7/3/2020	1,136	0	0	1,136
7/4/2020	1,147	0	0	1,147
7/5/2020	1,135	0	0	1,135
7/6/2020	1,141	0	0	1,141
7/7/2020	1,045	0	0	1,045
7/8/2020	171	0	974	1,146
7/9/2020	148	0	995	1,143
7/10/2020	96	0	1,037	1,133
7/11/2020	283	0	863	1,146
7/12/2020	251	0	877	1,127
7/13/2020	48	0	1,085	1,133
7/14/2020	52	0	1,086	1,138
7/15/2020	1	0	1,010	1,011
7/16/2020	156	0	945	1,101
7/17/2020	42	0	1,081	1,123
7/18/2020	133	0	993	1,126
7/19/2020	842	0	31	873
7/20/2020	243	0	888	1,131
7/21/2020	202	0	873	1,075
7/22/2020	1,182	0	0	1,182
7/23/2020	1,188	0	0	1,188
7/24/2020	145	0	1,048	1,192
7/25/2020	110	0	1,090	1,200
7/26/2020	255	0	944	1,199
7/27/2020	108	0	1,041	1,149
7/28/2020	1,160	0	0	1,160
7/29/2020	58	0	1,110	1,167
7/30/2020	81	0	1,044	1,124
7/31/2020	1	0	1,068	1,068
AVERAGE	**477**	**0**	**648**	**1,124**

* Flows normalized to **Blower Outlet Flowmeter - EPA Method 2 measurement verified

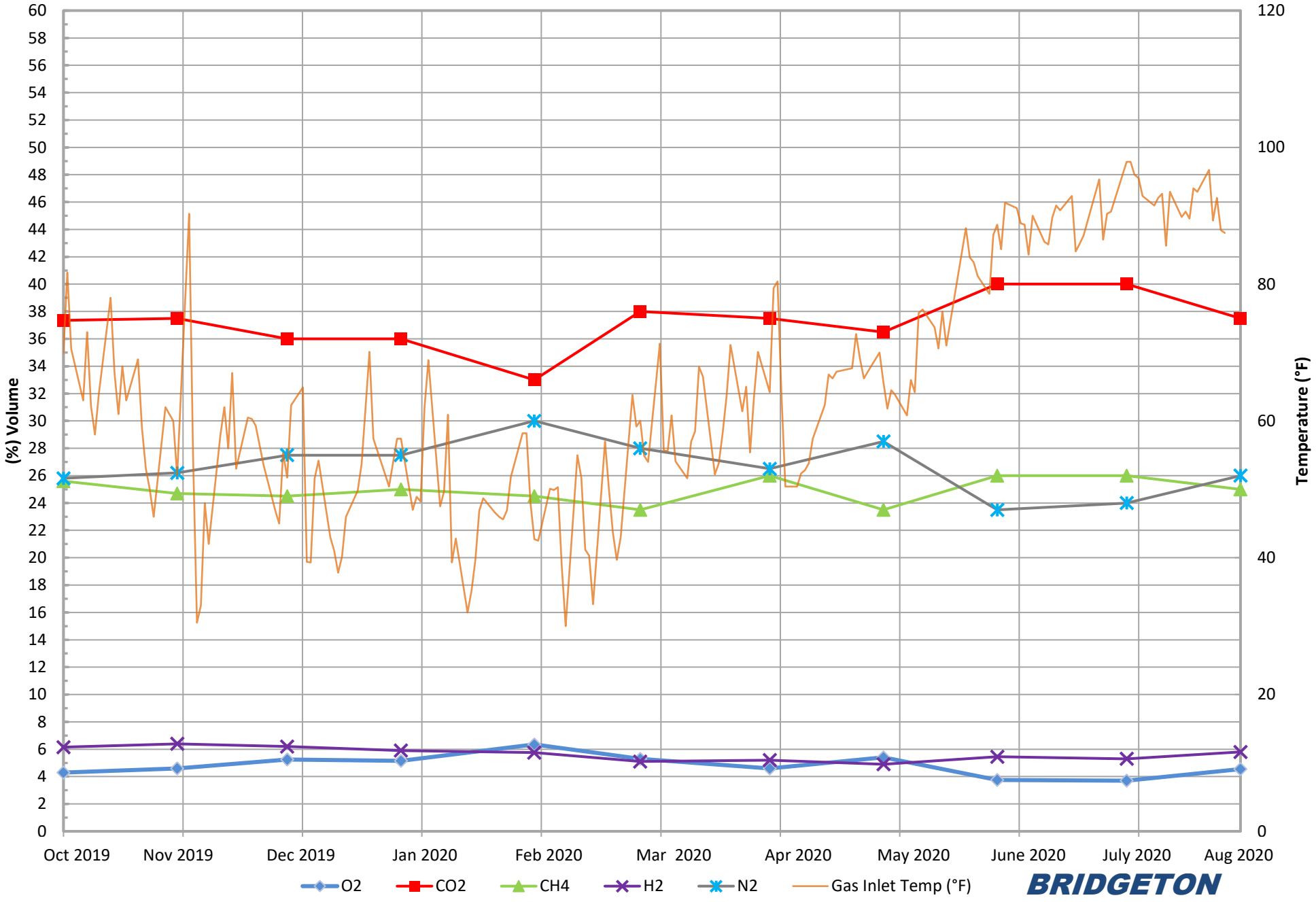
*** On 3/18/2016, the Bridgeton Landfill began separating the North Quarry gas to the Auxuliary Flare.

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

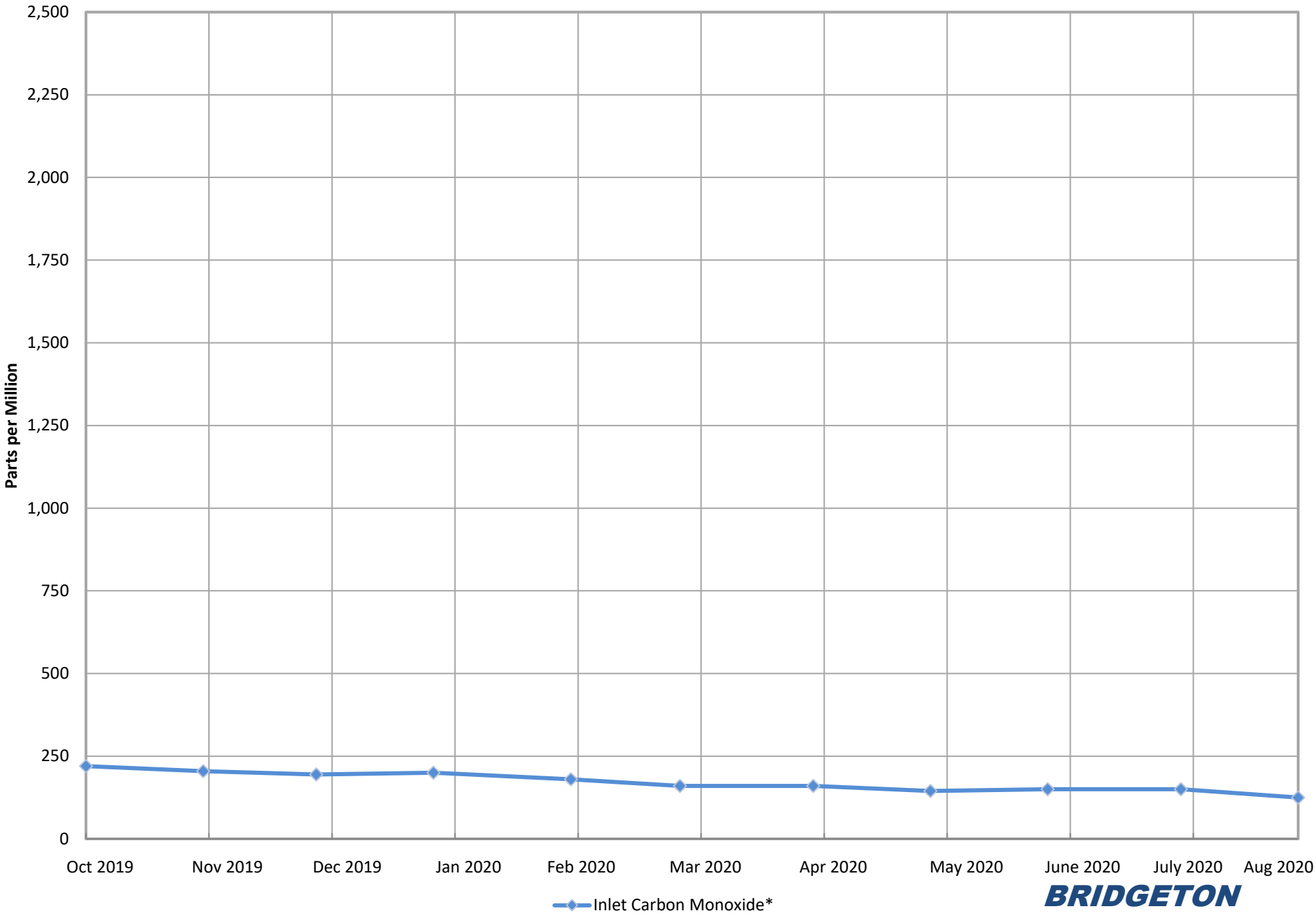
Combined Inlet Gas and Temperature*



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

BRIDGETON LANDFILL

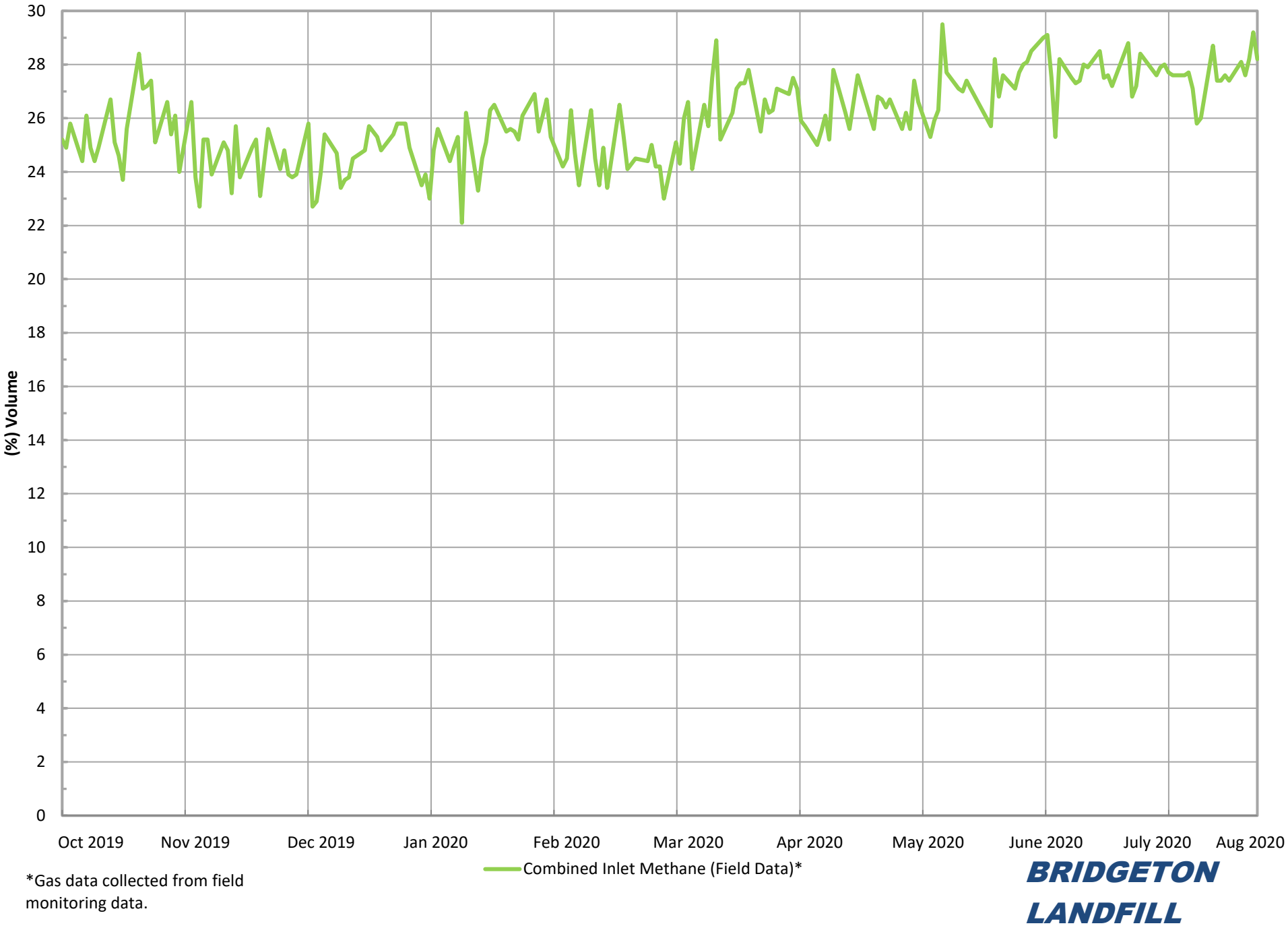
Combined Inlet Carbon Monoxide*



*Data collected from Laboratory Reports.

BRIDGETON LANDFILL

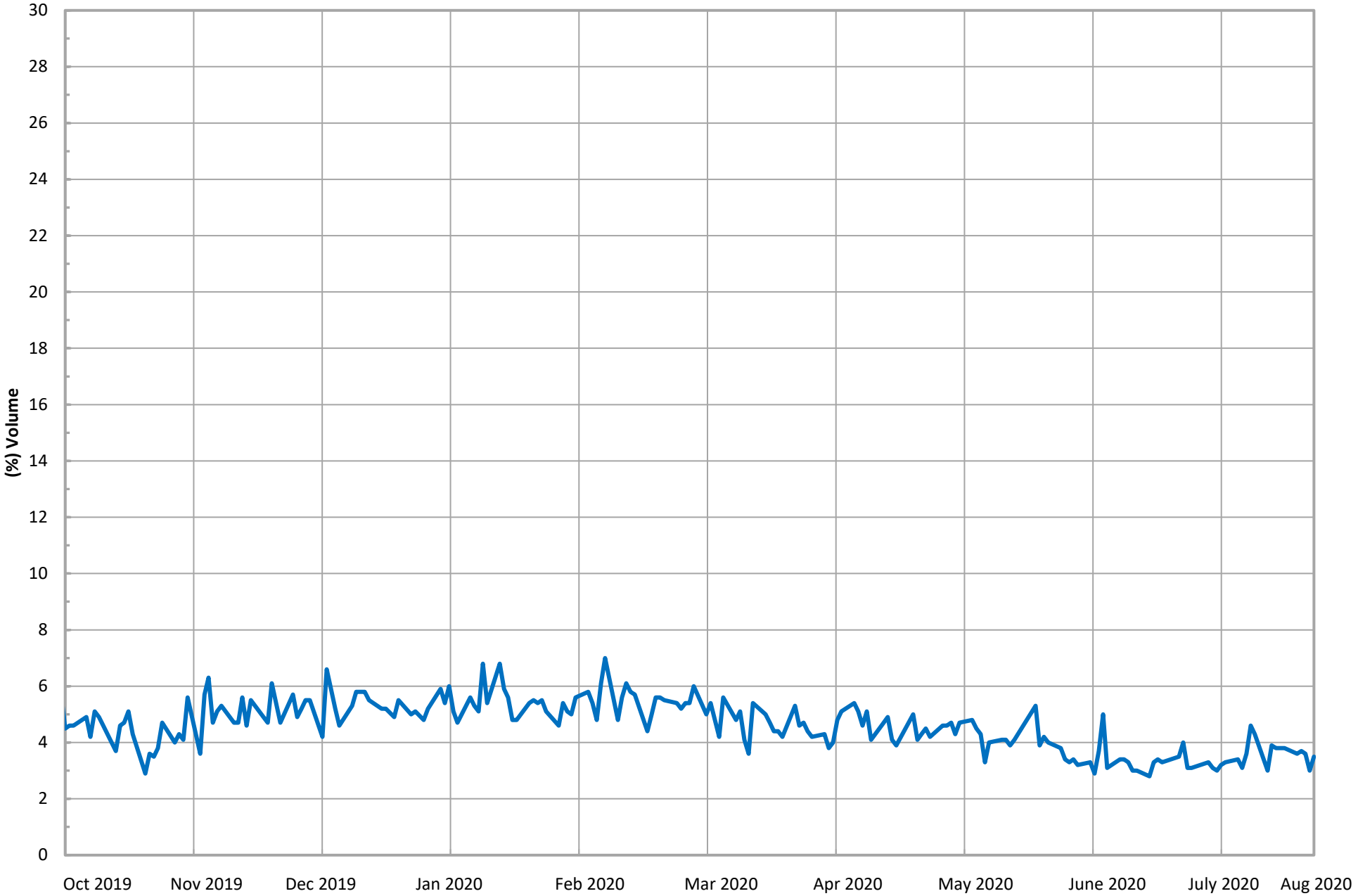
Combined Inlet Methane (Field Data)*



*Gas data collected from field monitoring data.

BRIDGETON LANDFILL

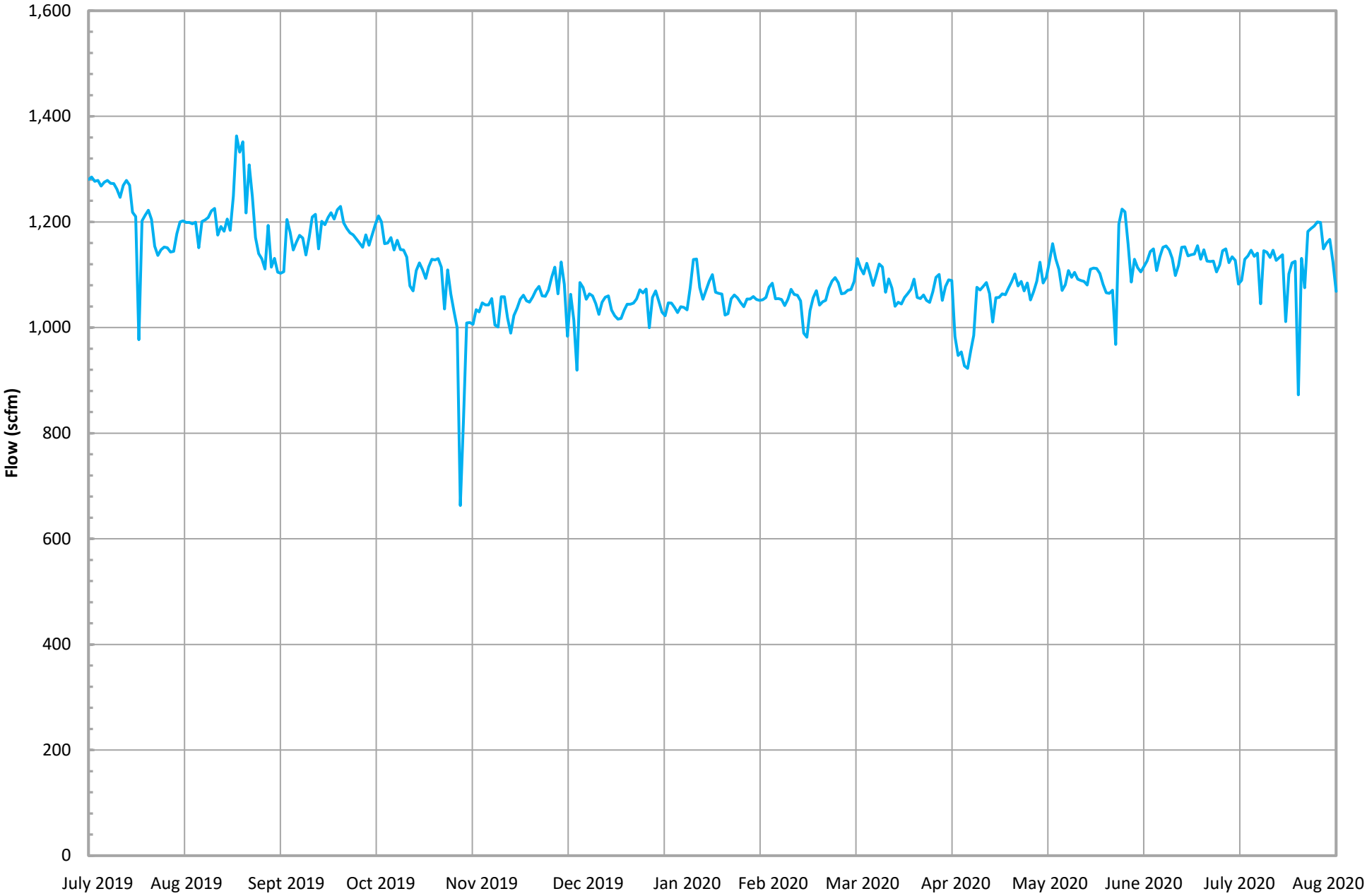
Combined Inlet Oxygen (Field Data)*



*Gas data collected from field monitoring data

BRIDGETON LANDFILL

Total Combined Flow (scfm)*



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

BRIDGETON LANDFILL

ATTACHMENT B

WELL CONDITON/STATUS REPORT

July 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	

July 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	Non-Operational	Decommissioned
GEW-139	Operational	
GEW-140	Operational	
GEW-144	Operational	
GEW-145	Operational	
GEW-147	Operational	
GEW-148	Operational	
GEW-149	Operational	
GEW-150	Operational	
GEW-151	Operational	
GEW-152	Operational	
GEW-153	Operational	

July 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	Non-Operational	Decommissioned
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	Non-Operational	Decommissioned
GEW-220	Operational	
GEW-221	Operational	
GEW-222	Operational	
GEW-223	Operational	
GEW-224	Operational	
GEW-225	Operational	
GEW-226	Operational	

July 2020		
ID	**Well Condition**	**Comments**
GEW-227	Operational	
GEW-228	Operational	
GEW-229	Operational	
GEW-230	Operational	
GEW-231	Non-Operational	Decommissioned
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	3/10/2020	51	41	1.6	6.9	ND	ND	
GEW-002	3/24/2020	52	44	ND	3.5	ND	ND	
GEW-002	4/7/2020	53	43	ND	3.9	ND	ND	
GEW-002	5/12/2020	51	42	ND	6.4	ND	ND	
GEW-002	6/10/2020	44	34	4.0	17	ND	ND	
GEW-002	6/24/2020	52	40	ND	7.3	ND	ND	See Note 3
GEW-002	7/8/2020	53	43	ND	4.0	ND	ND	
GEW-02S	3/10/2020	56	36	ND	7.3	ND	ND	
GEW-02S	4/7/2020	54	34	2.3	9.6	ND	ND	
GEW-02S	4/28/2020	54	34	2.3	9.1	ND	ND	
GEW-02S	5/12/2020	57	35	1.7	6.6	ND	ND	
GEW-02S	5/27/2020	54	34	2.6	9.4	ND	ND	See Note 4
GEW-02S	6/10/2020	59	37	ND	3.5	ND	ND	
GEW-02S	7/8/2020	58	36	ND	4.5	ND	ND	
GEW-003	3/10/2020	52	42	ND	5.4	0.028	ND	
GEW-003	4/8/2020	51	42	ND	6.2	ND	ND	
GEW-003	5/12/2020	51	42	ND	7.1	ND	ND	
GEW-003	6/10/2020	50	42	ND	7.5	ND	ND	
GEW-003	7/8/2020	46	42	ND	11	ND	ND	
GEW-004	3/10/2020	40	32	5.3	23	ND	ND	
GEW-004	3/24/2020	50	42	ND	7.3	ND	ND	
GEW-004	4/7/2020	51	41	ND	6.8	ND	ND	
GEW-004	5/12/2020	49	40	ND	9.5	ND	ND	
GEW-004	6/10/2020	49	41	ND	9.3	ND	ND	
GEW-004	7/8/2020	50	41	ND	8.0	ND	ND	
GEW-005	3/10/2020	49	37	ND	14	ND	ND	
GEW-005	4/8/2020	52	38	ND	9.1	ND	ND	
GEW-005	5/12/2020	49	38	ND	12	ND	ND	
GEW-005	6/10/2020	44	36	ND	19	ND	ND	
GEW-005	7/8/2020	52	40	ND	7.0	ND	ND	
GEW-006	3/10/2020	53	38	ND	8.9	ND	ND	
GEW-006	4/8/2020	54	39	ND	6.8	ND	ND	
GEW-006	5/12/2020	54	39	ND	5.8	ND	ND	
GEW-006	6/10/2020	53	39	ND	7.4	ND	ND	
GEW-006	7/8/2020	54	40	ND	6.0	ND	ND	
GEW-007	3/9/2020	54	41	ND	4.4	ND	ND	
GEW-007	4/6/2020	52	40	ND	6.9	ND	ND	
GEW-007	5/11/2020	53	42	ND	4.4	ND	ND	
GEW-007	6/8/2020	52	41	ND	6.1	ND	ND	
GEW-007	7/7/2020	53	42	ND	3.8	ND	ND	
GEW-008	3/9/2020	52	43	ND	3.3	1.1	ND	
GEW-008	4/6/2020	51	43	ND	3.6	1.2	ND	
GEW-008	5/11/2020	51	44	ND	3.2	0.96	ND	
GEW-008	6/8/2020	49	43	ND	5.3	1.0	ND	
GEW-008	7/8/2020	50	44	ND	3.4	1.0	ND	
GEW-009	3/9/2020	48	40	ND	9.4	0.67	ND	
GEW-009	4/7/2020	49	42	ND	7.6	0.62	ND	
GEW-009	5/11/2020	49	43	ND	6.3	0.60	ND	
GEW-009	6/8/2020	48	42	ND	7.6	0.53	ND	
GEW-009	7/8/2020	48	43	ND	7.0	0.44	ND	
GEW-040	3/9/2020	51	33	ND	15	ND	ND	
GEW-040	4/7/2020	51	33	ND	14	ND	ND	
GEW-040	5/11/2020	54	35	ND	10	ND	ND	
GEW-040	6/8/2020	51	34	ND	14	ND	ND	
GEW-040	7/8/2020	50	35	ND	14	ND	ND	
GEW-041R	3/9/2020	49	35	ND	15	ND	ND	

Laboratory Analysis - Bridgeton Landfill

Well Name	Date Sampled	Methane	CO_2	O_2/Argon	Nitrogen	Hydrogen	Carbon Monoxide	Comments
		(%)					(ppm)	
GEW-041R	4/7/2020	51	35	ND	13	ND	ND	
GEW-041R	5/11/2020	52	36	ND	11	ND	ND	
GEW-041R	6/8/2020	50	35	1.7	12	ND	ND	
GEW-041R	6/24/2020	50	36	ND	12	ND	ND	
GEW-041R	7/8/2020	49	37	ND	14	ND	ND	
GEW-042R	3/10/2020	50	36	2.2	12	ND	ND	
GEW-042R	3/24/2020	52	40	ND	7.4	ND	ND	
GEW-042R	4/7/2020	53	39	ND	7.1	ND	ND	
GEW-042R	5/11/2020	53	40	ND	6.9	ND	ND	
GEW-042R	6/8/2020	51	38	1.9	9.4	ND	ND	
GEW-042R	6/24/2020	53	40	ND	6.0	ND	ND	
GEW-042R	7/8/2020	52	40	ND	6.5	ND	ND	
GEW-043R	3/10/2020	50	40	ND	8.8	0.084	ND	
GEW-043R	4/7/2020	51	41	ND	6.8	0.13	ND	
GEW-043R	5/11/2020	52	41	ND	6.0	0.098	ND	
GEW-043R	6/9/2020	52	42	ND	5.1	0.11	ND	
GEW-043R	7/8/2020	52	42	ND	4.8	0.089	ND	
GEW-044	3/11/2020	47	36	ND	16	ND	ND	
GEW-044	4/7/2020	50	37	ND	12	ND	ND	
GEW-044	5/12/2020	41	34	ND	24	ND	ND	
GEW-044	6/9/2020	52	38	ND	9.2	ND	ND	
GEW-044	7/8/2020	48	37	ND	14	ND	ND	
GEW-045R	3/10/2020	53	40	ND	6.2	ND	ND	
GEW-045R	4/7/2020	52	39	ND	7.9	ND	ND	
GEW-045R	5/12/2020	51	39	ND	9.1	ND	ND	
GEW-045R	6/10/2020	50	38	ND	9.9	ND	ND	
GEW-045R	7/8/2020	52	40	ND	7.5	ND	ND	
GEW-046R	3/10/2020	51	39	ND	9.0	0.044	ND	
GEW-046R	4/7/2020	49	38	ND	11	ND	ND	
GEW-046R	5/12/2020	47	38	ND	14	ND	ND	
GEW-046R	6/10/2020	44	36	ND	19	ND	ND	
GEW-046R	7/8/2020	49	39	ND	11	ND	ND	
GEW-047R	3/10/2020	48	39	ND	13	ND	ND	
GEW-047R	4/8/2020	48	40	ND	12	ND	ND	
GEW-047R	5/12/2020	48	40	ND	11	ND	ND	
GEW-047R	6/10/2020	46	39	ND	14	ND	ND	
GEW-047R	7/8/2020	49	42	ND	7.4	ND	ND	
GEW-048	3/10/2020	52	40	ND	7.4	ND	ND	
GEW-048	4/8/2020	52	40	ND	7.0	ND	ND	
GEW-048	5/12/2020	52	40	ND	6.6	ND	ND	
GEW-048	6/10/2020	51	40	ND	7.7	ND	ND	
GEW-048	7/8/2020	51	40	ND	7.7	ND	ND	
GEW-049	3/10/2020	42	34	ND	23	ND	ND	
GEW-049	4/7/2020	52	42	ND	5.5	ND	ND	
GEW-049	5/12/2020	45	37	ND	16	ND	ND	
GEW-049	6/9/2020	47	38	3.1	12	ND	ND	
GEW-049	6/24/2020	47	39	ND	14	ND	ND	See Note 3
GEW-049	7/8/2020	48	39	ND	12	ND	ND	
GEW-050	3/9/2020	51	38	ND	9.7	ND	ND	
GEW-050	4/7/2020	52	38	ND	8.6	ND	ND	
GEW-050	5/11/2020	52	39	ND	9.2	ND	ND	
GEW-050	6/8/2020	51	38	1.7	9.4	ND	ND	
GEW-050	6/24/2020	52	40	ND	7.1	ND	ND	
GEW-050	7/7/2020	52	39	ND	7.6	ND	ND	
GEW-051	3/9/2020	49	39	2.0	9.6	0.71	ND	

Laboratory Analysis - Bridgeton Landfill

Well Name	Date Sampled	Methane	CO_2	O_2/Argon	Nitrogen	Hydrogen	Carbon Monoxide	Comments
		(%)					(ppm)	
GEW-051	3/24/2020	43	36	4.2	17	0.74	ND	See Note 3
GEW-051	4/7/2020	52	42	ND	4.7	0.87	ND	
GEW-051	5/11/2020	52	43	ND	4.0	0.88	ND	
GEW-051	6/8/2020	51	42	ND	4.6	0.92	ND	
GEW-051	7/8/2020	52	43	ND	3.8	0.82	ND	
GEW-052	3/9/2020	50	40	ND	9.5	ND	ND	
GEW-052	4/7/2020	48	38	ND	13	ND	ND	
GEW-052	5/11/2020	48	39	ND	12	ND	ND	
GEW-052	6/8/2020	47	38	1.7	13	ND	ND	
GEW-052	6/24/2020	49	39	ND	12	ND	ND	
GEW-052	7/7/2020	49	38	ND	12	ND	ND	
GEW-053	3/9/2020	48	43	ND	4.8	3.3	58	
GEW-053	4/7/2020	48	43	ND	4.7	3.2	54	
GEW-053	5/11/2020	48	44	ND	4.7	3.1	60	
GEW-053	6/8/2020	48	44	ND	4.3	3.2	61	
GEW-053	7/8/2020	48	44	ND	4.5	2.7	55	
GEW-054	3/9/2020	51	43	ND	4.0	1.5	ND	
GEW-054	4/7/2020	51	43	ND	3.4	1.5	ND	
GEW-054	5/11/2020	51	44	ND	ND	1.5	ND	
GEW-054	6/8/2020	50	44	ND	3.4	1.6	ND	
GEW-054	7/8/2020	50	44	ND	ND	1.4	ND	
GEW-055	3/9/2020	49	42	ND	7.2	1.2	ND	
GEW-055	4/7/2020	49	42	ND	6.7	1.2	ND	
GEW-055	5/11/2020	49	43	ND	5.9	1.1	ND	
GEW-055	6/8/2020	49	42	ND	6.7	1.1	ND	
GEW-055	7/8/2020	50	43	ND	4.7	1.0	ND	
Flare Station²	3/4/2020	23.5	38.0	5.3	28.0	5.1	160	See Note 9
Flare Station²	4/6/2020	26.0	37.5	4.6	26.5	5.2	160	See Note 9
Flare Station²	5/5/2020	23.5	36.5	5.4	28.5	4.9	145	See Note 9
Flare Station²	6/3/2020	26.0	40.0	3.8	23.5	5.5	150	See Note 9
Flare Station²	7/6/2020	26.0	40.0	3.7	24.0	5.3	150	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	3/11/2020	53	43	ND	ND	0.096	ND	
GEW-010	4/8/2020	53	43	ND	ND	0.096	ND	
GEW-010	5/12/2020	53	43	ND	ND	0.073	ND	
GEW-010	6/10/2020	52	44	ND	ND	0.060	ND	
GEW-010	7/15/2020	52	43	ND	3.5	0.056	ND	
GEW-013A	4/7/2020	13	60	ND	ND	22	680	
GEW-013A	7/14/2020	9.6	37	3.4	38	11	260	
GEW-015	4/9/2020	22	49	ND	11	17	530	
GEW-015	7/14/2020	21	48	ND	11	18	410	
GEW-016R	4/9/2020	8.2	58	ND	6.6	26	780	
GEW-016R	7/14/2020	8.1	51	ND	17	21	530	
GEW-018B	4/13/2020	6.2	44	2.5	23	24	630	
GEW-018B	7/14/2020	1.3	51	ND	3.9	41	740	
GEW-019A	4/10/2020	0.66	55	5.5	19	18	870	See Note 4
GEW-019A	7/13/2020	1.2	59	3.6	13	23	840	
GEW-039	3/11/2020	31	33	1.8	34	ND	ND	
GEW-039	4/9/2020	22	30	3.1	44	ND	ND	
GEW-039	5/13/2020	27	32	2.5	39	ND	ND	
GEW-039	6/10/2020	21	30	2.7	45	ND	ND	
GEW-039	7/17/2020	20	25	6.9	47	ND	ND	
GEW-056R	3/11/2020	43	44	ND	7.6	3.8	72	
GEW-056R	4/8/2020	44	45	ND	6.2	3.6	67	
GEW-056R	5/12/2020	42	43	ND	12	2.8	53	
GEW-056R	6/10/2020	41	42	2.4	12	2.5	50	
GEW-056R	7/15/2020	45	45	ND	6.9	2.7	53	
GEW-057B	4/9/2020	5.0	55	ND	3.0	34	600	
GEW-057B	7/10/2020	0.98	32	9.2	32	24	310	See Note 4
GEW-058A	4/9/2020	7.7	32	3.5	42	14	400	
GEW-058A	7/9/2020	8.2	35	2.5	32	22	490	
GEW-059R	4/8/2020	13	40	ND	22	23	520	
GEW-059R	7/6/2020	13	38	ND	22	26	470	
GEW-067A	4/6/2020	6.0	56	ND	ND	31	570	
GEW-067A	7/14/2020	16	40	2.9	18	22	280	
GEW-068A	4/9/2020	13	52	ND	6.1	27	920	
GEW-068A	7/13/2020	3.1	54	ND	ND	38	1,000	
GEW-078R	4/10/2020	8.6	27	1.6	51	11	400	
GEW-078R	7/14/2020	9.7	32	ND	43	13	380	
GEW-082R	4/10/2020	7.3	34	ND	40	17	550	
GEW-082R	7/14/2020	7.6	34	ND	39	18	440	
GEW-086	4/6/2020	6.1	52	ND	ND	36	910	
GEW-086	7/14/2020	13	31	2.5	44	8.3	100	
GEW-087	4/9/2020	10	30	5.6	52	2.8	80	See Note 4
GEW-087	7/14/2020	20	45	ND	22	11	260	
GEW-088	4/7/2020	1.7	45	ND	15	35	1,000	
GEW-088	7/14/2020	1.8	46	ND	6.7	43	1,000	
GEW-090	4/6/2020	20	42	ND	18	19	380	
GEW-090	7/14/2020	19	42	ND	17	21	330	
GEW-091	3/11/2020	2.3	57	ND	ND	35	380	
GEW-091	4/8/2020	6.0	49	ND	5.4	36	230	
GEW-091	5/13/2020	2.3	55	ND	4.3	36	380	
GEW-091	6/10/2020	2.2	51	2.3	8.0	34	340	
GEW-091	7/15/2020	2.0	49	2.0	7.5	36	320	
GEW-100	4/13/2020	11	64	ND	ND	22	540	
GEW-100	7/13/2020	13	51	3.6	13	18	280	

Laboratory Analysis - Bridgeton Landfill

Well Name	Date Sampled	Methane	CO_2	O_2/Argon	Nitrogen	Hydrogen	Carbon Monoxide	Comments
		(%)					(ppm)	
GEW-101	4/9/2020	38	60	ND	ND	ND	ND	
GEW-101	7/13/2020	34	62	ND	ND	ND	ND	
GEW-102	4/9/2020	25	50	ND	ND	21	120	
GEW-102	7/10/2020	30	42	3.3	12	12	82	
GEW-104	4/9/2020	24	40	ND	26	8.4	170	
GEW-104	7/10/2020	10	52	ND	7.9	28	440	
GEW-105	4/9/2020	38	45	ND	4.9	11	280	
GEW-105	7/10/2020	39	45	ND	3.9	11	210	
GEW-106	4/9/2020	13	50	ND	12	23	540	
GEW-106	7/9/2020	10.0	47	ND	12	30	640	
GEW-107	4/8/2020	26	52	ND	ND	18	570	
GEW-107	7/9/2020	33	48	ND	5.1	12	370	
GEW-108	3/11/2020	29	45	2.5	8.8	15	310	
GEW-108	4/9/2020	37	48	ND	3.8	10	200	
GEW-108	5/13/2020	37	48	ND	4.0	9.5	180	
GEW-108	6/10/2020	32	46	ND	4.6	16	260	
GEW-108	7/17/2020	38	47	ND	ND	12	190	
GEW-109	3/11/2020	43	43	ND	11	0.57	ND	
GEW-109	4/9/2020	41	42	2.1	15	0.41	ND	
GEW-109	5/13/2020	41	44	1.5	13	0.37	ND	
GEW-109	6/10/2020	42	43	1.7	13	0.33	ND	
GEW-109	7/17/2020	40	42	2.1	16	0.41	ND	
GEW-110	3/11/2020	34	44	1.7	13	6.8	120	
GEW-110	4/8/2020	37	48	ND	4.9	8.9	150	
GEW-110	5/12/2020	25	32	8.0	29	6.1	98	See Note 3
GEW-110	6/10/2020	28	35	6.3	26	4.6	90	See Note 4
GEW-110	7/15/2020	42	47	ND	ND	7.1	90	
GEW-113	4/9/2020	9.7	61	ND	6.1	22	870	
GEW-113	7/14/2020	10	56	ND	9.8	21	580	
GEW-116	4/8/2020	31	64	ND	ND	0.91	48	
GEW-116	7/14/2020	19	44	2.7	31	2.8	220	
GEW-117	4/8/2020	33	58	ND	5.7	1.9	160	
GEW-117	7/14/2020	27	54	ND	15	2.0	150	
GEW-118	4/10/2020	1.8	58	ND	3.2	34	640	
GEW-118	7/14/2020	1.5	57	ND	ND	36	330	
GEW-120	4/13/2020	48	49	ND	ND	0.17	ND	
GEW-120	7/13/2020	27	40	3.0	29	0.15	38	
GEW-121	4/13/2020	33	55	ND	3.9	6.3	210	
GEW-121	7/13/2020	25	46	ND	21	7.2	200	
GEW-122	4/13/2020	38	37	ND	18	6.9	260	
GEW-122	7/13/2020	37	37	ND	18	7.1	240	
GEW-123	4/13/2020	29	59	ND	9.6	1.8	250	
GEW-123	7/13/2020	29	60	ND	9.1	1.2	190	
GEW-124	4/13/2020	44	37	4.2	15	ND	ND	
GEW-124	7/13/2020	50	44	ND	4.9	ND	ND	
GEW-125	4/13/2020	35	56	ND	6.1	2.1	280	
GEW-125	7/13/2020	38	46	ND	14	0.36	79	
GEW-126	4/14/2020	20	50	2.0	16	12	730	
GEW-126	7/13/2020	22	52	1.9	11	13	590	
GEW-127	4/14/2020	12	45	4.5	26	12	810	
GEW-127	7/13/2020	17	52	ND	15	14	730	
GEW-129	4/14/2020	35	56	ND	4.8	3.3	280	
GEW-129	7/14/2020	35	53	ND	8.4	1.3	130	
GEW-130	4/14/2020	22	45	ND	17	14	930	
GEW-130	7/13/2020	22	45	ND	14	17	830	
GEW-131	4/14/2020	39	46	ND	ND	11	700	

Laboratory Analysis - Bridgeton Landfill

Well Name	Date Sampled	Methane	CO_2	O_2/Argon	Nitrogen	Hydrogen	Carbon Monoxide	Comments
		(%)					(ppm)	
GEW-131	7/13/2020	38	46	ND	ND	12	520	
GEW-132	4/10/2020	15	31	2.7	41	9.9	470	
GEW-132	7/14/2020	11	29	3.1	47	9.5	350	
GEW-133	4/10/2020	1.2	65	ND	3.9	27	1,300	
GEW-133	7/14/2020	3.5	34	ND	47	14	480	
GEW-134	4/10/2020	8.0	35	4.4	44	7.9	280	
GEW-134	7/14/2020	7.1	39	2.0	40	11	310	
GEW-135	4/10/2020	3.5	50	1.7	19	26	690	
GEW-135	7/14/2020	3.2	53	ND	12	30	630	
GEW-137	4/9/2020	36	42	ND	21	ND	ND	
GEW-137	7/14/2020	37	42	ND	19	ND	ND	
GEW-139	4/13/2020	17	40	3.6	22	17	760	
GEW-139	7/13/2020	18	40	2.6	18	21	730	
GEW-140	4/13/2020	28	43	ND	13	14	370	
GEW-140	7/13/2020	30	41	ND	14	13	250	
GEW-144	4/9/2020	36	34	6.8	24	0.050	ND	See Note 3
GEW-144	7/13/2020	38	41	4.5	16	0.12	ND	
GEW-145	4/9/2020	29	48	ND	ND	19	250	
GEW-145	7/10/2020	30	46	ND	ND	20	180	
GEW-147	4/9/2020	14	45	3.1	24	14	440	
GEW-147	7/14/2020	13	45	ND	22	17	360	
GEW-148	4/9/2020	17	53	ND	5.3	23	1,100	
GEW-148	7/14/2020	18	51	ND	ND	27	990	
GEW-149	4/6/2020	7.2	24	1.7	65	1.4	45	
GEW-149	7/14/2020	9.1	29	ND	60	0.16	ND	
GEW-150	4/9/2020	21	40	4.5	21	12	330	
GEW-150	7/10/2020	25	44	2.4	15	14	310	
GEW-151	4/7/2020	5.3	30	6.7	41	16	390	See Note 4
GEW-151	7/14/2020	5.9	44	2.0	11	36	620	
GEW-152	4/8/2020	18	50	1.7	12	18	430	
GEW-152	7/9/2020	23	48	ND	8.5	19	440	
GEW-153	4/8/2020	21	30	ND	45	2.7	180	
GEW-153	7/6/2020	23	33	ND	40	2.9	170	
GEW-156	4/9/2020	30	44	ND	15	10	250	
GEW-156	7/10/2020	30	44	ND	10	13	270	
GEW-157	4/9/2020	34	41	2.8	10	12	220	
GEW-157	7/10/2020	29	43	2.0	7.2	18	240	
GEW-158	4/9/2020	25	46	ND	16	12	320	
GEW-158	7/10/2020	29	46	ND	9.6	14	310	
GEW-160	3/11/2020	17	35	4.6	30	14	380	
GEW-160	4/8/2020	21	38	ND	24	15	340	
GEW-160	5/13/2020	22	39	ND	24	13	290	
GEW-160	6/10/2020	20	33	4.0	32	10	210	
GEW-160	7/15/2020	22	37	ND	27	12	230	
GEW-161	3/11/2020	2.5	51	ND	14	31	1,100	
GEW-161	4/8/2020	8.9	53	ND	5.5	30	990	
GEW-161	5/13/2020	6.3	56	ND	4.5	32	1,000	
GEW-161	6/10/2020	5.4	54	ND	5.4	33	1,000	
GEW-161	7/15/2020	4.9	49	ND	7.3	37	1,100	
GEW-162	3/11/2020	1.1	14	2.8	81	1.5	1,100	
GEW-162	4/8/2020	12	66	ND	6.8	13	550	
GEW-162	5/13/2020	12	65	ND	9.0	13	510	
GEW-162	6/10/2020	13	64	ND	9.6	11	460	
GEW-162	7/15/2020	13	58	ND	14	13	420	
GEW-163	4/13/2020	27	56	ND	12	4.1	130	
GEW-163	7/13/2020	28	58	ND	10	2.3	89	
GEW-164	4/13/2020	31	49	ND	18	0.072	ND	

Laboratory Analysis - Bridgeton Landfill

Well Name	Date Sampled	Methane	CO_2	O_2/Argon	Nitrogen	Hydrogen	Carbon Monoxide	Comments
		(%)					(ppm)	
GEW-164	7/13/2020	31	49	ND	18	ND	38	
GEW-165	4/13/2020	17	45	4.9	25	7.9	290	
GEW-165	7/13/2020	16	43	4.3	28	7.7	230	
GEW-166	4/13/2020	5.5	55	ND	4.1	33	2,200	
GEW-166	7/13/2020	7.4	40	5.3	26	21	1,100	See Note 4
GEW-167	4/8/2020	11	43	3.1	15	27	1,100	
GEW-167	7/13/2020	13	46	ND	8.6	32	1,200	
GEW-168	4/14/2020	28	41	5.7	22	3.1	100	See Note 4
GEW-168	7/13/2020	37	55	ND	ND	3.4	86	
GEW-169	4/14/2020	17	47	2.0	23	11	570	
GEW-169	7/13/2020	18	45	2.0	25	9.8	420	
GEW-170	4/13/2020	12	43	4.3	25	15	860	
GEW-170	7/13/2020	10	37	4.2	35	13	560	
GEW-171	4/13/2020	17	52	4.0	15	11	500	
GEW-171	7/13/2020	24	59	2.7	10	3.3	190	
GEW-172	4/13/2020	19	41	3.8	19	16	730	
GEW-172	7/13/2020	24	45	1.7	11	18	630	
GEW-174	4/13/2020	13	34	ND	48	4.2	74	
GEW-174	7/10/2020	14	37	ND	38	9.1	170	
GEW-175	4/9/2020	27	35	5.8	31	1.7	67	See Note 4
GEW-175	7/10/2020	26	37	4.1	31	1.0	72	
GEW-177	4/14/2020	11	55	ND	14	19	1,500	
GEW-177	7/13/2020	10	43	3.5	26	16	1,100	
GEW-178	4/9/2020	35	44	3.6	17	ND	ND	
GEW-178	7/10/2020	26	36	2.4	35	ND	ND	
GEW-179	4/9/2020	44	51	ND	4.6	ND	ND	
GEW-179	7/10/2020	41	43	ND	15	ND	ND	
GEW-180	4/9/2020	31	62	ND	4.9	ND	ND	
GEW-180	7/13/2020	33	62	ND	4.3	ND	ND	
GEW-181	4/9/2020	24	72	ND	3.5	ND	ND	
GEW-181	7/13/2020	19	50	7.0	25	ND	ND	See Note 3
GEW-185	4/13/2020	39	58	ND	ND	ND	ND	
GEW-185	7/13/2020	29	50	ND	19	ND	ND	
GEW-186	4/13/2020	35	42	2.8	18	0.97	84	
GEW-186	7/13/2020	47	48	ND	ND	1.1	43	
GEW-187	3/11/2020	38	50	1.9	6.7	2.8	100	
GEW-187	4/9/2020	40	52	ND	5.0	2.0	79	
GEW-187	5/13/2020	41	54	ND	ND	1.9	71	
GEW-187	6/10/2020	41	51	ND	4.2	2.1	66	
GEW-187	7/17/2020	43	53	ND	ND	1.4	50	
GEW-217	4/9/2020	10	55	ND	4.4	28	590	
GEW-217	7/10/2020	32	46	ND	ND	18	210	
GEW-218	4/9/2020	20	41	3.3	25	10	300	
GEW-218	7/10/2020	21	46	ND	18	13	340	
GEW-220	4/8/2020	31	50	ND	4.4	13	420	
GEW-220	7/10/2020	16	35	7.5	27	13	430	See Note 3
GEW-221	4/9/2020	25	57	ND	9.7	6.4	160	
GEW-221	7/13/2020	26	56	ND	13	3.4	130	
GEW-222	4/13/2020	33	42	2.5	13	8.7	290	
GEW-222	7/13/2020	39	43	ND	8.7	7.7	110	
GEW-223	4/13/2020	31	64	ND	ND	2.3	230	
GEW-223	7/13/2020	31	64	ND	ND	0.76	200	
GEW-224	4/13/2020	31	59	ND	ND	7.3	540	
GEW-224	7/13/2020	32	59	ND	ND	4.2	400	
GEW-225	4/13/2020	17	51	1.8	9.4	21	1,400	
GEW-225	7/13/2020	14	50	ND	8.4	26	1,300	
GEW-226	4/13/2020	12	36	ND	35	15	690	

Laboratory Analysis - Bridgeton Landfill

Well Name	Date Sampled	Methane	CO_2	O_2/Argon	Nitrogen	Hydrogen	Carbon Monoxide	Comments
		(%)					(ppm)	
GEW-226	7/13/2020	13	35	ND	37	13	480	
GEW-227	4/10/2020	1.6	39	2.7	36	20	470	
GEW-227	7/14/2020	1.4	43	2.0	22	30	580	
GEW-228	4/9/2020	3.8	16	11	65	4.2	59	See Note 4
GEW-228	7/14/2020	3.5	28	5.1	44	18	220	See Note 4
GEW-229	4/6/2020	13	30	ND	46	9.7	270	
GEW-229	7/14/2020	7.6	26	ND	56	7.5	160	
GEW-230	4/6/2020	3.6	47	2.0	17	29	620	
GEW-230	7/14/2020	3.2	30	2.6	53	10	190	
GEW-232	4/9/2020	25	60	ND	7.0	6.3	240	
GEW-232	7/14/2020	26	56	ND	13	3.4	140	
GEW-233	4/10/2020	0.68	38	4.0	36	22	520	
GEW-233	7/14/2020	3.0	34	3.6	43	15	360	
GEW-234	4/10/2020	7.9	50	ND	12	27	1,100	
GEW-234	7/14/2020	1.5	37	6.1	32	22	640	See Note 4
GEW-235	4/13/2020	25	53	ND	8.1	12	320	
GEW-235	7/13/2020	23	50	ND	11	14	280	
GEW-236	4/10/2020	2.9	41	4.1	20	31	320	
GEW-236	7/14/2020	3.9	22	8.8	53	12	86	See Note 4
GEW-237	4/8/2020	32	42	4.2	19	2.9	100	
GEW-237	7/10/2020	30	41	4.3	23	1.7	83	
GEW-238	4/9/2020	5.3	64	ND	3.3	25	780	
GEW-238	7/14/2020	16	54	1.9	14	14	360	
GEW-239	4/6/2020	1.2	55	ND	ND	38	1,100	
GEW-239	7/14/2020	1.3	50	ND	ND	43	950	
GEW-240	4/13/2020	1.7	26	8.6	52	12	340	See Note 4
GEW-240	7/13/2020	2.1	39	1.7	30	25	580	
GIW-01	3/11/2020	25	61	ND	ND	10	370	
GIW-01	4/8/2020	26	59	ND	ND	11	330	
GIW-01	5/12/2020	28	57	ND	3.7	9.8	330	
GIW-01	6/10/2020	27	51	2.8	11	7.8	250	
GIW-01	7/15/2020	30	56	ND	4.0	9.4	250	
GIW-02	3/11/2020	8.3	50	2.5	28	11	500	
GIW-02	4/8/2020	8.8	65	ND	8.0	17	900	
GIW-02	5/12/2020	11	58	ND	15	14	550	
GIW-02	6/10/2020	14	54	ND	21	10	470	
GIW-02	7/15/2020	7.6	48	3.3	25	16	640	
GIW-03	3/11/2020	12	41	ND	36	9.9	470	
GIW-03	4/8/2020	21	49	ND	17	12	430	
GIW-03	5/13/2020	21	46	ND	21	11	410	
GIW-03	6/10/2020	24	44	ND	21	9.6	350	
GIW-03	7/15/2020	20	43	ND	25	11	330	
GIW-04	3/11/2020	17	49	ND	9.7	22	760	
GIW-04	4/8/2020	19	50	ND	7.8	22	710	
GIW-04	5/13/2020	21	50	ND	6.9	20	650	
GIW-04	6/10/2020	23	48	ND	9.0	19	570	
GIW-04	7/15/2020	22	46	ND	9.7	20	470	
GIW-05	3/11/2020	20	38	4.7	26	11	190	
GIW-05	4/8/2020	7.8	19	14	52	6.9	70	See Note 4
GIW-05	5/13/2020	23	47	ND	13	15	210	
GIW-05	6/10/2020	8.0	14	17	61	0.82	39	See Note 4
GIW-05	7/15/2020	30	39	1.7	19	10	110	
GIW-06	3/11/2020	37	40	ND	18	3.3	35	
GIW-06	4/8/2020	33	42	ND	20	3.8	35	
GIW-06	5/13/2020	26	40	1.8	29	3.0	33	
GIW-06	6/10/2020	38	45	ND	13	3.1	33	
GIW-06	7/15/2020	33	41	ND	22	2.8	ND	
GIW-07	3/11/2020	49	39	2.0	9.6	ND	ND	

Laboratory Analysis - Bridgeton Landfill

Well Name	Date Sampled	Methane	CO_2	O_2/Argon	Nitrogen	Hydrogen	Carbon Monoxide	Comments
		(%)					(ppm)	
GIW-07	4/8/2020	48	46	ND	5.1	ND	ND	
GIW-07	5/13/2020	47	47	ND	5.5	ND	ND	
GIW-07	6/10/2020	50	45	ND	3.2	ND	ND	
GIW-07	7/15/2020	48	47	ND	4.2	ND	ND	
GIW-08	3/11/2020	46	46	ND	7.4	ND	ND	
GIW-08	4/8/2020	45	46	ND	7.6	ND	ND	
GIW-08	5/13/2020	43	44	ND	12	ND	ND	
GIW-08	6/10/2020	46	46	ND	7.7	ND	ND	
GIW-08	7/15/2020	45	45	ND	9.4	ND	ND	
GIW-09	3/11/2020	24	43	ND	19	12	150	
GIW-09	4/8/2020	22	43	ND	21	13	150	
GIW-09	5/13/2020	21	40	ND	27	11	140	
GIW-09	6/10/2020	26	41	ND	22	9.3	110	
GIW-09	7/15/2020	25	39	ND	25	9.2	89	
GIW-10	3/11/2020	25	34	ND	32	7.5	140	
GIW-10	4/8/2020	23	34	ND	34	7.5	130	
GIW-10	5/13/2020	22	33	ND	37	6.6	120	
GIW-10	6/10/2020	25	34	ND	35	4.6	87	
GIW-10	7/15/2020	24	33	ND	35	6.5	84	
GIW-11	3/11/2020	26	35	1.6	35	2.8	210	
GIW-11	4/8/2020	25	35	ND	36	2.7	140	
GIW-11	5/13/2020	23	33	1.9	40	2.2	150	
GIW-11	6/10/2020	26	36	ND	35	2.1	46	
GIW-11	7/15/2020	23	34	ND	40	1.9	83	
GIW-12	3/11/2020	32	37	1.8	24	3.8	150	
GIW-12	4/8/2020	29	36	2.4	28	4.5	160	
GIW-12	5/13/2020	29	36	2.1	29	2.6	100	
GIW-12	6/10/2020	33	39	ND	25	2.1	72	
GIW-12	7/15/2020	29	36	2.2	30	2.4	73	
GIW-13	3/11/2020	35	48	ND	9.1	7.1	100	
GIW-13	4/8/2020	44	47	ND	3.7	4.6	80	
GIW-13	5/13/2020	46	46	ND	3.7	3.4	59	
GIW-13	6/10/2020	47	45	ND	3.9	3.1	51	
GIW-13	7/15/2020	42	47	ND	6.5	4.2	62	

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

Air TECHNOLOGY
Laboratories, Inc.

July 27, 2020

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

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

LABORATORY TEST RESULTS

Project Reference: Bridgeton Landfill
Lab Number: L071706-01/123

Enclosed are results for sample(s) received 7/17/20 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 7/24/20.

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,

Mark Johnson
Operations Manager
MJohnson@AirTechLabs.com

Enclosures

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

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: 1 OF 13	
Standard	☐	48 hours	☐	EDD	■	Condition upon receipt:	
Same Day	☐	72 hours	☐	EDF	☐	Sealed Yes ☐	No ☐
24 hours	☐	96 hours	☐	Level 3	☐	Intact Yes ☐	No ☐
Other:	5 Day			Level 4	☐	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

LAB USE ONLY	Cannister Pressure ("hg)			SAMPLE IDENTIFICATION	SAMPLE DATE	SAMPLE TIME	CONTAINER QTY/TYPE	MATRIX	PRESERVATION	ANALYSIS REQUEST					
	Cannister ID	Sample Start	Sample End							D1946 + CO, H2					
L071706-01	3439	-20.1	-5	GEW 153	7/6/2020	14:37	C	LFG	NA	X					5.5
-02	A7805	-20.1	-5	GEW 59R	7/6/2020	14:46	C	LFG	NA	X					5
-03	01417	-20.3	-5	GEW 50	7/7/2020	8:34	C	LFG	NA	X					5.5
-04	01419	-20.4	-5	GEW 52	7/7/2020	8:44	C	LFG	NA	X					5
-05	01404	-20.2	-5	GEW 7	7/7/2020	8:55	C	LFG	NA	X					5.5
-06	01403	-20.5	-5	GEW 8	7/8/2020	8:33	C	LFG	NA	X					5
-07	01402	-20.4	-5	GEW 9	7/8/2020	8:43	C	LFG	NA	X					5
-08	01398	-20.1	-5	GEW 51	7/8/2020	8:54	C	LFG	NA	X					5.5
-09	01409	-20.2	-5	GEW 53	7/8/2020	9:08	C	LFG	NA	X					5.5
-10	01425	-20.1	-5	GEW 54	7/8/2020	9:17	C	LFG	NA	X					5.5

AUTHORIZATION TO PERFORM WORK: Dave Penoyer COMPANY: Republic Services

SAMPLED BY: Anthony Kimutis COMPANY: Republic Services DATE/TIME 7/16/20 7/8/2020

RELINQUISHED BY	DATE/TIME	RECEIVED BY	DATE/TIME
Anthony Kimutis	7/16/2020		
FedEx	7/17/20	DF	7/17/20 1100
	DATE/TIME		DATE/TIME

COMMENTS

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

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

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

Air TECHNOLOGY 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 13
Standard	☐	48 hours	☐	EDD	■	Condition upon receipt:
Same Day	☐	72 hours	☐	EDF	☐	Sealed Yes ☐ No ☐
24 hours	☐	96 hours	☐	Level 3	☐	Intact Yes ☐ No ☐
Other:	5 Day			Level 4	☐	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

LAB USE ONLY	Cannister Pressure ("hg)			SAMPLE IDENTIFICATION	SAMPLE DATE	SAMPLE TIME	CONTAINER QTY/TYPE	MATRIX	PRESERVATION	ANALYSIS REQUEST					
	Cannister ID	Sample Start	Sample End							D1946 + CO, H2					
L071706-11	01425	-20.5	-5	GEW 55	7/8/2020	9:53	C	LFG	NA	X					6
-12	01423	-20	-5	GEW 40	7/8/2020	10:03	C	LFG	NA	X					6
-13	01424	-20.2	-5	GEW 41R	7/8/2020	10:13	C	LFG	NA	X					6
-14	01426	-20.2	-5	GEW 42R	7/8/2020	10:23	C	LFG	NA	X					6
-15	01421	-20.3	-5	GEW 43R	7/8/2020	10:36	C	LFG	NA	X					5.5
-16	01408	-20.7	-5	GEW 44	7/8/2020	10:47	C	LFG	NA	X					6
-17	01400	-20.7	-5	GEW 49	7/8/2020	10:56	C	LFG	NA	X					6
-18	01405	-20.1	-5	GEW 45R	7/8/2020	11:07	C	LFG	NA	X					6
-19	01415	-20.1	-5	GEW 46R	7/8/2020	11:39	C	LFG	NA	X					6
-20	01414	-20.4	-5	GEW 2S	7/8/2020	11:50	C	LFG	NA	X					6

AUTHORIZATION TO PERFORM WORK: Dave Penoyer COMPANY: Republic Services

SAMPLED BY: Anthony Kimutis COMPANY: Republic Services DATE/TIME 7/8/2020

RELINQUISHED BY	DATE/TIME	RECEIVED BY	DATE/TIME
Anthony Kimutis	7/16/2020		
FedEx	7/17/20	[illegible]	7/17/20 1100

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

COMMENTS

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

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

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: 3 OF 13
Standard	☐	48 hours	■	EDD	■	Condition upon receipt:
Same Day	☐	72 hours	☐	EDF	☐	Sealed Yes ☐ No ☐
24 hours	☐	96 hours	☐	Level 3	☐	Intact Yes ☐ No ☐
Other:	5 Day			Level 4	☐	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

LAB USE ONLY	Cannister Pressure ("hg)			SAMPLE IDENTIFICATION	SAMPLE DATE	SAMPLE TIME	CONTAINER QTY/TYPE	MATRIX	PRESERVATION	ANALYSIS REQUEST					
	Cannister ID	Sample Start	Sample End							D1946 + CO, H2					
L071706-21	01412	-20.4	-5	GEW 2	7/8/2020	13:34	C	LFG	NA	X					5.5
-22	01401	-20.3	-5	GEW 3	7/8/2020	13:43	C	LFG	NA	X					5.5
-23	01406	-20.4	-5	GEW 4	7/8/2020	13:53	C	LFG	NA	X					5.5
-24	01418	-20.7	-5	GEW 47R	7/8/2020	14:13	C	LFG	NA	X					6
-25	01420	-20.5	-5	GEW 5	7/8/2020	14:27	C	LFG	NA	X					6
-26	01399	-20.2	-5	GEW 48	7/8/2020	14:39	C	LFG	NA	X					6
-27	01416	-20.5	-5	GEW 6	7/8/2020	14:57	C	LFG	NA	X					6
-28	3435	-19.8	-5	GEW 107	7/9/2020	7:57	C	LFG	NA	X					6
-29	A7645	-20.3	-5	GEW 152	7/9/2020	8:07	C	LFG	NA	X					5
-30	4648	-20.4	-5	GEW 58A	7/9/2020	8:18	C	LFG	NA	X					6

AUTHORIZATION TO PERFORM WORK: Dave Penoyer COMPANY: Republic Services

SAMPLED BY: Anthony Kimutis COMPANY: Republic Services DATE/TIME 7/8/20-7/9/2020

RELINQUISHED BY	DATE/TIME	RECEIVED BY	DATE/TIME
[signature]	7/16/2020		
FEDEX	7/17/20	[signature]	7/17/20 1154

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

COMMENTS

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

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

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: 4 OF 13	
Standard	☐	48 hours	☐	EDD	■	Condition upon receipt:	
Same Day	☐	72 hours	☐	EDF	☐	Sealed Yes ☐	No ☐
24 hours	☐	96 hours	☐	Level 3	☐	Intact Yes ☐	No ☐
Other:	5 Day			Level 4	☐	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

LAB USE ONLY	Cannister Pressure ("hg)			SAMPLE IDENTIFICATION	SAMPLE DATE	SAMPLE TIME	CONTAINER QTY/TYPE	MATRIX	PRESERVATION	ANALYSIS REQUEST: D1946 + CO, H2					
	Cannister ID	Sample Start	Sample End												
L071706-31	A7797	-20.3	-5	GEW 106	7/9/2020	8:35	C	LFG	NA	X					6
-32	A8099	-20.1	-5	GEW 158	7/10/2020	8:47	C	LFG	NA	X					5
-33	A7776	-20.3	-5	GEW 105	7/10/2020	8:56	C	LFG	NA	X					5
-34	5830	-20.1	-5	GEW 237	7/10/2020	9:09	C	LFG	NA	X					5
-35	5816	-20.5	-5	GEW 175	7/10/2020	9:17	C	LFG	NA	X					6
-36	5920	-20.4	-5	GEW 150	7/10/2020	9:26	C	LFG	NA	X					5
-37	5324	-20.4	-5	GEW 104	7/10/2020	9:35	C	LFG	NA	X					5
-38	5825	-20.5	-5	GEW 157	7/10/2020	9:52	C	LFG	NA	X					5
-39	A7800	-20.4	-5	GEW 57B	7/10/2020	10:09	C	LFG	NA	X					6
-40	5839	-20.2	-5	GEW 156	7/10/2020	10:22	C	LFG	NA	X					6

AUTHORIZATION TO PERFORM WORK: Dave Penoyer COMPANY: Republic Services

SAMPLED BY: Anthony Kimutis COMPANY: Republic Services DATE/TIME 7/9/20 - 7/10/2020

RELINQUISHED BY	DATE/TIME 7/16/2020	RECEIVED BY	DATE/TIME
RELINQUISHED BY FED EX	DATE/TIME 7/17/20	RECEIVED BY	DATE/TIME 7/17/20 1100
RELINQUISHED BY	DATE/TIME	RECEIVED BY	DATE/TIME

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

COMMENTS

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

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

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

DELIVERABLES
EDD ■
EDF ☐
Level 3 ☐
Level 4 ☐

PAGE: 5 OF 13

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

LAB USE ONLY	Cannister Pressure ("hg) Cannister ID	Sample Start	Sample End	SAMPLE IDENTIFICATION	SAMPLE DATE	SAMPLE TIME	CONTAINER QTY/TYPE	MATRIX	PRESERVATION	D1946 + CO, H2					
L071706-41	5903	-20.2	-5	GEW 217	7/10/2020	13:42	C	LFG	NA	X					6
-42	6160	-20.4	-5	GEW 178	7/10/2020	13:55	C	LFG	NA	X					6
-43	A7809	-20.3	-5	GEW 145	7/10/2020	14:05	C	LFG	NA	X					6
-44	3130	-20.4	-5	GEW 179	7/10/2020	14:14	C	LFG	NA	X					6
-45	A8085	-20	-5	GEW 102	7/10/2020	14:25	C	LFG	NA	X					6
-46	A8078	-20.5	-5	GEW 218	7/10/2020	14:37	C	LFG	NA	X					6
-47	A8079	-18.5	-5	GEW 220	7/10/2020	14:47	C	LFG	NA	X					5
-48	A7780	-20.5	-5	GEW 174	7/10/2020	14:58	C	LFG	NA	X					6
-49	A7772	-20.3	-5	GEW 180	7/13/2020	8:24	C	LFG	NA	X					5
-50	A7804	-19.9	-5	GEW 101	7/13/2020	8:40	C	LFG	NA	X					5

AUTHORIZATION TO PERFORM WORK: Dave Penoyer COMPANY: Republic Services

SAMPLED BY: Anthony Kimutis COMPANY: Republic Services DATE/TIME 7/10/2020 - 7/13/2020

RELINQUISHED BY	DATE/TIME	RECEIVED BY	DATE/TIME
[signature]	7/16/2020		
FEDEX	7/17/20	[signature]	7/17/20 1100
	DATE/TIME		DATE/TIME

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

COMMENTS

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

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

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: 6 OF 13
Standard	☐	48 hours	☒	EDD	■	Condition upon receipt:
Same Day	☐	72 hours	☐	EDF	☐	Sealed Yes ☐ No ☐
24 hours	☐	96 hours	☐	Level 3	☐	Intact Yes ☐ No ☐
Other:	5 Day			Level 4	☐	Chilled _____ deg C

		BILLING	
Project No.:		*P.O. No.:*	PO7112802
Project Name:	Bridgeton Landfill	*Bill to:*	Republic Services
Report To:	Mike Lambrich		Attn: Mike Lambrich
Company:	Republic Services		13570 St. Charles Rock Rd.
Street:	13570 St. Charles Rock Rd.		Bridgeton, MO 63044
City/State/Zip:	Bridgeton , MO 63044		
Phone& Fax:	314-683-3921		
e-mail:	Mlambrich@republicservices.com		

LAB USE ONLY	Cannister Pressure ("hg)			SAMPLE IDENTIFICATION	SAMPLE DATE	SAMPLE TIME	CONTAINER QTY/TYPE	MATRIX	PRESERVATION	ANALYSIS REQUEST: D1946 + CO, H2					
	Cannister ID	Sample Start	Sample End												
L071706-51	A8055	-20.2	-5	GEW 221	7/13/2020	8:48	C	LFG	NA	X					5
-52	A7818	-20.4	-5	GEW 144	7/13/2020	8:59	C	LFG	NA	X					5
-53	A7811	-18.9	-5	GEW 181	7/13/2020	9:09	C	LFG	NA	X					6
-54	A7792	-20.2	-5	GEW 68A	7/13/2020	9:18	C	LFG	NA	X					6
-55	5904	-20.2	-5	GEW 222	7/13/2020	9:28	C	LFG	NA	X					6
-56	5305	-18.5	-5	GEW 100	7/13/2020	9:37	C	LFG	NA	X					6
-57	A8063	-20.2	-5	GEW 171	7/13/2020	9:59	C	LFG	NA	X					6
-58	A7747	-20.3	-5	GEW 223	7/13/2020	10:12	C	LFG	NA	X					6
-59	A8080	-20.1	-5	GEW 172	7/13/2020	10:21	C	LFG	NA	X					6
-60	A8103	-20.5	-5	GEW 140	7/13/2020	10:29	C	LFG	NA	X					6

AUTHORIZATION TO PERFORM WORK: Dave Penoyer COMPANY: Republic Services

SAMPLED BY: Anthony Kimutis COMPANY: Republic Services DATE/TIME 7/13/2020

RELINQUISHED BY	DATE/TIME	RECEIVED BY	DATE/TIME
Anthony Kimutis	7/16/2020		
FedEx	7/17/20		
			7/17/20 1100

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

COMMENTS

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

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

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: 7 OF 13
Standard	☐	48 hours	☐	EDD	■	Condition upon receipt:
Same Day	☐	72 hours	☐	EDF	☐	Sealed Yes ☐ No ☐
24 hours	☐	96 hours	☐	Level 3	☐	Intact Yes ☐ No ☐
Other:	5 Day			Level 4	☐	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

LAB USE ONLY	Cannister Pressure ("hg)			SAMPLE IDENTIFICATION	SAMPLE DATE	SAMPLE TIME	CONTAINER QTY/TYPE	MATRIX	PRESERVATION	ANALYSIS REQUEST					
	Cannister ID	Sample Start	Sample End							D1946 + CO, H2					
L071706-61	3126	-20.4	-5	GEW 240	7/13/2020	10:39	C	LFG	NA	X					6
-62	A8070	-20.5	-5	GEW 226	7/13/2020	10:48	C	LFG	NA	X					6
-63	3826	-20.4	-5	GEW 139	7/13/2020	10:57	C	LFG	NA	X					6
-64	5310	-20.7	-5	GEW 225	7/13/2020	11:07	C	LFG	NA	X					6
-65	N3701	-20.3	-5	GEW 224	7/13/2020	11:15	C	LFG	NA	X					6
-66	A7795	-20.1	-5	GEW 177	7/13/2020	11:24	C	LFG	NA	X					6
-67	A7766	-20.6	-5	GEW 186	7/13/2020	11:35	C	LFG	NA	X					6
-68	A7808	-20.4	-5	GEW 170	7/13/2020	11:43	C	LFG	NA	X					6
-69	3164	-20.2	-5	GEW 130	7/13/2020	13:03	C	LFG	NA	X					6
-70	A7769	-20.4	-5	GEW 127	7/13/2020	13:10	C	LFG	NA	X					6

AUTHORIZATION TO PERFORM WORK: Dave Penoyer	COMPANY: Republic Services		
SAMPLED BY: Anthony Kimutis	COMPANY: Republic Services	DATE/TIME 7/13/2020	
RELINQUISHED BY: Anthony Kimutis	DATE/TIME 7/16/2020	RECEIVED BY	DATE/TIME
RELINQUISHED BY: FedEx	DATE/TIME 7/17/20	RECEIVED BY	DATE/TIME 7/17/20 1100
RELINQUISHED BY	DATE/TIME	RECEIVED BY	DATE/TIME

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

COMMENTS

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

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

Air TECHNOLOGY 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: 8 OF 13
Standard	☐	48 hours	☐	EDD	■	Condition upon receipt:
Same Day	☐	72 hours	☐	EDF	☐	Sealed Yes ☐ No ☐
24 hours	☐	96 hours	☐	Level 3	☐	Intact Yes ☐ No ☐
Other:	5 Day			Level 4	☐	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

LAB USE ONLY	Cannister Pressure ("hg)			SAMPLE IDENTIFICATION	SAMPLE DATE	SAMPLE TIME	CONTAINER QTY/TYPE	MATRIX	PRESERVATION	D1946 + CO, H2					
	Cannister ID	Sample Start	Sample End												
L071706-71	5928	-20.3	-5	GEW 169	7/13/2020	13:20	C	LFG	NA	X					6
-72	5320	-20.3	-5	GEW 126	7/13/2020	13:28	C	LFG	NA	X					6
-73	5313	-20.2	-5	GEW 131	7/13/2020	13:36	C	LFG	NA	X					6
-74	4655	-20.4	-5	GEW 168	7/13/2020	13:45	C	LFG	NA	X					6
-75	A7654	-20.5	-5	GEW 125	7/13/2020	13:55	C	LFG	NA	X					6
-76	A7775	-20.4	-5	GEW 165	7/13/2020	14:03	C	LFG	NA	X					6
-77	5270	-20.3	-5	GEW 166	7/13/2020	14:11	C	LFG	NA	X					6
-78	A8056	-20.2	-5	GEW 167	7/13/2020	14:21	C	LFG	NA	X					6
-79	3835	-20.3	-5	GEW 122	7/13/2020	14:29	C	LFG	NA	X					6
-80	A7815	-20.2	-5	GEW 124	7/13/2020	14:39	C	LFG	NA	X					6

AUTHORIZATION TO PERFORM WORK: Dave Penoyer COMPANY: Republic Services

SAMPLED BY: Anthony Kimutis COMPANY: Republic Services DATE/TIME 7/13/2020

RELINQUISHED BY	DATE/TIME	RECEIVED BY	DATE/TIME
Anthony Kimutis	7/16/2020		
FedEx	7/17/20	[illegible]	7/17/20 1100
	DATE/TIME		DATE/TIME

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

COMMENTS

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

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

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: 9 OF 13	
Standard	☐	48 hours	☐	EDD	■	Condition upon receipt:	
Same Day	☐	72 hours	☐	EDF	☐	Sealed Yes ☐	No ☐
24 hours	☐	96 hours	☐	Level 3	☐	Intact Yes ☐	No ☐
Other:	5 Day			Level 4	☐	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

LAB USE ONLY	Cannister Pressure ("hg)			SAMPLE IDENTIFICATION	SAMPLE DATE	SAMPLE TIME	CONTAINER QTY/TYPE	MATRIX	PRESERVATION	D1946 + CO, H2					
	Cannister ID	Sample Start	Sample End												
L071706-81	A7751	-20.4	-5	GEW 164	7/13/2020	15:13	C	LFG	NA	X					6
-82	A7761	-20	-5	GEW 123	7/13/2020	15:21	C	LFG	NA	X					6
-83	5905	-20.6	-5	GEW 163	7/13/2020	15:30	C	LFG	NA	X					6
-84	3162	-20.6	-5	GEW 235	7/13/2020	15:38	C	LFG	NA	X					6
-85	A7668	-20.2	-5	GEW 121	7/13/2020	15:46	C	LFG	NA	X					6
-86	5311	-20.2	-5	GEW 185	7/13/2020	15:55	C	LFG	NA	X					6
-87	A7666	-20.4	-5	GEW 120	7/13/2020	16:03	C	LFG	NA	X					6
-88	A7667	-20.7	-5	GEW 19A	7/13/2020	16:11	C	LFG	NA	X					6
-89	5834	-20.4	-5	GEW 82R	7/14/2020	8:32	C	LFG	NA	X					6
-90	3155	-20.6	-5	GEW 132	7/14/2020	8:39	C	LFG	NA	X					5

AUTHORIZATION TO PERFORM WORK: Dave Penoyer COMPANY: Republic Services

SAMPLED BY: Anthony Kimutis COMPANY: Republic Services DATE/TIME 7/13/20-7/14/2020

RELINQUISHED BY	DATE/TIME	RECEIVED BY	DATE/TIME
Anthony Kimutis	7/16/2020		
KEN [illegible]	7/17/20	[illegible]	7/17/20 1100
RELINQUISHED BY	DATE/TIME	RECEIVED BY	DATE/TIME

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

COMMENTS

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

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

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: 10 OF 13
Standard	☐	48 hours	■	EDD	■	Condition upon receipt:
Same Day	☐	72 hours	☐	EDF	☐	Sealed Yes ☐ No ☐
24 hours	☐	96 hours	☐	Level 3	☐	Intact Yes ☐ No ☐
Other:	5 Day			Level 4	☐	Chilled _____ deg C

		BILLING	
Project No.:		*P.O. No.:*	PO7112802
Project Name:	Bridgeton Landfill	*Bill to:*	Republic Services
Report To:	Mike Lambrich		Attn: Mike Lambrich
Company:	Republic Services		13570 St. Charles Rock Rd.
Street:	13570 St. Charles Rock Rd.		Bridgeton, MO 63044
City/State/Zip:	Bridgeton , MO 63044		
Phone& Fax:	314-683-3921		
e-mail:	Mlambrich@republicservices.com		

LAB USE ONLY	Cannister Pressure ("hg)			SAMPLE IDENTIFICATION	SAMPLE DATE	SAMPLE TIME	CONTAINER QTY/TYPE	MATRIX	PRESERVATION	ANALYSIS REQUEST: D1946 + CO, H2					
	Cannister ID	Sample Start	Sample End												
L071706-91	A8075	-19.6	-5	GEW 118	7/14/2020	8:48	C	LFG	NA	X					5
-92	A8076	-20.4	-5	GEW 234	7/14/2020	8:57	C	LFG	NA	X					5
-93	A8098	-20.4	-5	GEW 117	7/14/2020	9:11	C	LFG	NA	X					5
-94	A7671	-20.4	-5	GEW 133	7/14/2020	9:19	C	LFG	NA	X					5
-95	3441	-20.3	-5	GEW 116	7/14/2020	9:27	C	LFG	NA	X					5
-96	5934	-20.7	-5	GEW 227	7/14/2020	9:43	C	LFG	NA	X					5
-97	A8068	-20.2	-5	GEW 135	7/14/2020	9:53	C	LFG	NA	X					5
-98	5274	-20.3	-5	GEW 233	7/14/2020	10:02	C	LFG	NA	X					5
-99	A7820	-20.6	-5	GEW 134	7/14/2020	10:10	C	LFG	NA	X					5
-100	4657	-20.6	-5	GEW 18B	7/14/2020	10:20	C	LFG	NA	X					6

AUTHORIZATION TO PERFORM WORK: Dave Penoyer COMPANY: Republic Services

SAMPLED BY: Anthony Kimutis COMPANY: Republic Services DATE/TIME 7/14/2020

RELINQUISHED BY	DATE/TIME	RECEIVED BY	DATE/TIME
Anthony Kimutis	7/16/2020		
FED EX	7/17/20		
			7/17/20 1100

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

COMMENTS

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

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

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: Standard ☐ 48 hours ■ | Same Day ☐ 72 hours ☐ | 24 hours ☐ 96 hours ☐ | Other: 5 Day

DELIVERABLES: EDD ■ | EDF ☐ | Level 3 ☐ | Level 4 ☐

PAGE: 11 OF 13

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

LAB USE ONLY	Cannister Pressure ("hg)			SAMPLE IDENTIFICATION	SAMPLE DATE	SAMPLE TIME	CONTAINER QTY/TYPE	MATRIX	PRESERVATION	D1946 + CO, H2					
	Cannister ID	Sample Start	Sample End												
L071706-101	5308	-20.6	-5	GEW 78R	7/14/2020	10:32	C	LFG	NA	X					6
-102	6144	-20.6	-5	GEW 137	7/14/2020	~~0.7736~~	C	LFG	NA	X					6
-103	A8102	-20.2	-5	GEW 236	7/14/2020	10:51	C	LFG	NA	X					6
-104	A7642	-20	-5	GEW 228	7/14/2020	11:00	C	LFG	NA	X					6
-105	A8066	-20.4	-5	GEW 229	7/14/2020	11:08	C	LFG	NA	X					6
-106	3165	-20.2	-5	GEW 16R	7/14/2020	11:18	C	LFG	NA	X					6
-107	3159	-20.3	-5	GEW 147	7/14/2020	11:29	C	LFG	NA	X					6
-108	4645	-20.8	-5	GEW 15	7/14/2020	11:38	C	LFG	NA	X					6
-109	6151	-19.8	-5	GEW 238	7/14/2020	11:46	C	LFG	NA	X					6
-110	3838	-20.3	-5	GEW 113	7/14/2020	13:05	C	LFG	NA	X					6

AUTHORIZATION TO PERFORM WORK: Dave Penoyer COMPANY: Republic Services

SAMPLED BY: Anthony Kimutis COMPANY: Republic Services DATE/TIME 7/14/2020

RELINQUISHED BY	DATE/TIME	RECEIVED BY	DATE/TIME
[signature]	7/16/2020		
FEDEX	7/17/20	[signature]	7/17/20 1100

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

COMMENTS

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

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

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

DELIVERABLES
EDD ■
EDF ☐
Level 3 ☐
Level 4 ☐

PAGE: 12 OF 13

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

LAB USE ONLY	Cannister Pressure ("hg)			SAMPLE IDENTIFICATION	SAMPLE DATE	SAMPLE TIME	CONTAINER QTY/TYPE	MATRIX	PRESERVATION	D1946 + CO, H2					
	Cannister ID	Sample Start	Sample End												
L071706-11	A7778	-20.4	-5	GEW 232	7/14/2020	~~13:13~~	C	LFG	NA	X					6
-12	A7663	-20.3	-5	GEW 87	7/14/2020	13:21	C	LFG	NA	X					6
-13	6149	-20.3	-5	GEW 148	7/14/2020	13:30	C	LFG	NA	X					6
-14	3440	-20.1	-5	GEW 13A	7/14/2020	13:39	C	LFG	NA	X					6
-15	5936	-20.4	-5	GEW 151	7/14/2020	13:55	C	LFG	NA	X					6
-16	3132	-20.5	-5	GEW 86	7/14/2020	14:05	C	LFG	NA	X					6
-17	5268	-20.4	-5	GEW 88	7/14/2020	14:14	C	LFG	NA	X					6
-18	6131	-20.2	-5	GEW 230	7/14/2020	14:23	C	LFG	NA	X					6
-19	5924	-19.1	-5	GEW 67A	7/14/2020	14:33	C	LFG	NA	X					6
-20	A7749	-20.5	-5	GEW 149	7/14/2020	14:41	C	LFG	NA	X					6

AUTHORIZATION TO PERFORM WORK: Dave Penoyer COMPANY: Republic Services 1451 PO7112020

SAMPLED BY: Anthony Kimutis COMPANY: Republic Services DATE/TIME 7/14/2020

RELINQUISHED BY	DATE/TIME	RECEIVED BY	DATE/TIME
[signature]	7/16/2020		
[signature]	7/17/20	[signature]	7/17/20 1160

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

COMMENTS

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

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

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: 13 OF 13	
Standard	☐	48 hours	☐	EDD	■	Condition upon receipt:	
Same Day	☐	72 hours	☐	EDF	☐	Sealed Yes ☐	No ☐
24 hours	☐	96 hours	☐	Level 3	☐	Intact Yes ☐	No ☐
Other:	5 Day			Level 4	☐	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

LAB USE ONLY	Cannister Pressure ("hg)			SAMPLE IDENTIFICATION	SAMPLE DATE	SAMPLE TIME	CONTAINER QTY/TYPE	MATRIX	PRESERVATION	D1946 + CO, H2					
	Cannister ID	Sample Start	Sample End												
L071706-121	N3681	-20.2	-5	GEW 90	7/14/2020	15:06	C	LFG	NA	X					6
-122	N3695	-20.1	-5	GEW 239	7/14/2020	15:15	C	LFG	NA	X					6
-123	A8054	-19.9	-5	GEW 129	7/14/2020	15:40	C	LFG	NA	X					6

AUTHORIZATION TO PERFORM WORK: Dave Penoyer COMPANY: Republic Services

SAMPLED BY: Anthony Kimutis COMPANY: Republic Services DATE/TIME 7/14/2020

RELINQUISHED BY	DATE/TIME	RECEIVED BY	DATE/TIME
[signature]	7/16/2020		
FEDEX	7/17/20	[signature]	7/17/20 1152

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

COMMENTS

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

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

Client: Republic Services
Attn: Mike Lambrich
Project Name: Bridgeton Landfill
Project No.: NA
Date Received: 07/16/20
Matrix: Air
Reporting Units: % v/v

ASTM D1946

Lab No.:	L071706-01		L071706-02		L071706-03		L071706-04	
Client Sample I.D.:	GEW 153		GEW 59R		GEW 50		GEW 52	
Date/Time Sampled:	7/6/20 14:37		7/6/20 14:46		7/7/20 8:34		7/7/20 8:44	
Date/Time Analyzed:	7/20/20 10:57		7/20/20 11:12		7/20/20 11:26		7/20/20 11:41	
QC Batch No.:	200720GC8A1		200720GC8A1		200720GC8A1		200720GC8A1	
Analyst Initials:	CM		CM		CM		CM	
Dilution Factor:	3.3		3.2		3.3		3.2	
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	2.9 d	0.033	26	3.2	ND d	0.033	ND d	0.032
Carbon Dioxide	33	0.033	38	0.032	39	0.033	38	0.032
Oxygen/Argon	ND	1.6	ND	1.6	ND	1.6	ND	1.6
Nitrogen	40	3.3	22	3.2	7.6	3.3	12	3.2
Methane	23	0.0033	13	0.0032	52	0.0033	49	0.0032
Carbon Monoxide	0.017	0.0033	0.047	0.0032	ND	0.0033	ND	0.0032

Results normalized including non-methane hydrocarbons

ND = Not Detected (below RL)
RL = Reporting Limit
d = Analyzed by secondary analysis, batch number 200723GC8A1

Reviewed/Approved By: _____ Date 7-24-20

Mark Johnson
Operations Manager

The cover letter is an integral part of this analytical report

18501 E. Gale Avenue, Suite 130 ♦ City of Industry, CA 91748 ♦ Ph: (626) 964-4032 ♦ Fx: (626) 964-5832

Client: Republic Services
Attn: Mike Lambrich
Project Name: Bridgeton Landfill
Project No.: NA
Date Received: 07/16/20
Matrix: Air
Reporting Units: % v/v

ASTM D1946

Lab No.:	L071706-05		L071706-06		L071706-07		L071706-08	
Client Sample I.D.:	GEW 7		GEW 8		GEW 9		GEW 51	
Date/Time Sampled:	7/7/20 8:55		7/8/20 8:33		7/8/20 8:43		7/8/20 8:54	
Date/Time Analyzed:	7/20/20 11:56		7/20/20 12:10		7/20/20 12:25		7/20/20 12:39	
QC Batch No.:	200720GC8A1		200720GC8A1		200720GC8A1		200720GC8A1	
Analyst Initials:	CM		CM		CM		CM	
Dilution Factor:	3.3		3.2		3.2		3.3	
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	0.033	1.0 d	0.032	0.44 d	0.032	0.82 d	0.033
Carbon Dioxide	42	0.033	44	0.032	43	0.032	43	0.033
Oxygen/Argon	ND	1.6	ND	1.6	ND	1.6	ND	1.6
Nitrogen	3.8	3.3	3.4	3.2	7.0	3.2	3.8	3.3
Methane	53	0.0033	50	0.0032	48	0.0032	52	0.0033
Carbon Monoxide	ND	0.0033	ND	0.0032	ND	0.0032	ND	0.0033

Results normalized including non-methane hydrocarbons

ND = Not Detected (below RL)
RL = Reporting Limit
d = Analyzed by secondary analysis, batch number 200723GC8A1

Reviewed/Approved By: _____ Date 7-24-20
Mark Johnson
Operations Manager

The cover letter is an integral part of this analytical report

18501 E. Gale Avenue, Suite 130 ♦ City of Industry, CA 91748 ♦ Ph: (626) 964-4032 ♦ Fx: (626) 964-5832

Client: Republic Services
Attn: Mike Lambrich
Project Name: Bridgeton Landfill
Project No.: NA
Date Received: 07/16/20
Matrix: Air
Reporting Units: % v/v

ASTM D1946

Lab No.:	L071706-09		L071706-10		L071706-11		L071706-12	
Client Sample I.D.:	GEW 53		GEW 54		GEW 55		GEW 40	
Date/Time Sampled:	7/8/20 9:08		7/8/20 9:17		7/8/20 9:53		7/8/20 10:03	
Date/Time Analyzed:	7/20/20 12:54		7/20/20 13:08		7/20/20 13:23		7/20/20 13:37	
QC Batch No.:	200720GC8A1		200720GC8A1		200720GC8A1		200720GC8A1	
Analyst Initials:	CM		CM		CM		CM	
Dilution Factor:	3.3		3.3		3.4		3.4	
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	2.7 d	0.033	1.4 d	0.033	1.0 d	0.034	ND d	0.034
Carbon Dioxide	44	0.033	44	0.033	43	0.034	35	0.034
Oxygen/Argon	ND	1.6	ND	1.6	ND	1.7	ND	1.7
Nitrogen	4.5	3.3	ND	3.3	4.7	3.4	14	3.4
Methane	48	0.0033	50	0.0033	50	0.0034	50	0.0034
Carbon Monoxide	0.0055	0.0033	ND	0.0033	ND	0.0034	ND	0.0034

Results normalized including non-methane hydrocarbons

ND = Not Detected (below RL)
RL = Reporting Limit
d = Analyzed by secondary analysis, batch number 200723GC8A1

Reviewed/Approved By: _____ Date 7-24-20

Mark Johnson
Operations Manager

The cover letter is an integral part of this analytical report

AirTECHNOLOGY Laboratories, Inc.
18501 E. Gale Avenue, Suite 130 ♦ City of Industry, CA 91748 ♦ Ph: (626) 964-4032 ♦ Fx: (626) 964-5832

Client: Republic Services
Attn: Mike Lambrich
Project Name: Bridgeton Landfill
Project No.: NA
Date Received: 07/16/20
Matrix: Air
Reporting Units: % v/v

ASTM D1946

Lab No.:	L071706-13		L071706-14		L071706-15		L071706-16	
Client Sample I.D.:	GEW 41R		GEW 42R		GEW 43R		GEW 44	
Date/Time Sampled:	7/8/20 10:13		7/8/20 10:23		7/8/20 10:36		7/8/20 10:47	
Date/Time Analyzed:	7/20/20 13:52		7/20/20 14:06		7/20/20 14:21		7/20/20 14:36	
QC Batch No.:	200720GC8A1		200720GC8A1		200720GC8A1		200720GC8A1	
Analyst Initials:	CM		CM		CM		CM	
Dilution Factor:	3.4		3.4		3.3		3.4	
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	0.034	ND d	0.034	0.089 d	0.033	ND d	0.034
Carbon Dioxide	37	0.034	40	0.034	42	0.033	37	0.034
Oxygen/Argon	ND	1.7	ND	1.7	ND	1.6	ND	1.7
Nitrogen	14	3.4	6.5	3.4	4.8	3.3	14	3.4
Methane	49	0.0034	52	0.0034	52	0.0033	48	0.0034
Carbon Monoxide	ND	0.0034	ND	0.0034	ND	0.0033	ND	0.0034

Results normalized including non-methane hydrocarbons

ND = Not Detected (below RL)
RL = Reporting Limit
d = Analyzed by secondary analysis, batch number 200723GC8A1

Reviewed/Approved By: _____ Date 7-24-20

Mark Johnson
Operations Manager

The cover letter is an integral part of this analytical report

AirTECHNOLOGY Laboratories, Inc.
18501 E. Gale Avenue, Suite 130 ♦ City of Industry, CA 91748 ♦ Ph: (626) 964-4032 ♦ Fx: (626) 964-5832

Client: Republic Services
Attn: Mike Lambrich
Project Name: Bridgeton Landfill
Project No.: NA
Date Received: 07/16/20
Matrix: Air
Reporting Units: % v/v

ASTM D1946

Lab No.:	L071706-17		L071706-18		L071706-19		L071706-20	
Client Sample I.D.:	GEW 49		GEW 45R		GEW 46R		GEW 2S	
Date/Time Sampled:	7/8/20 10:56		7/8/20 11:07		7/8/20 11:39		7/8/20 11:50	
Date/Time Analyzed:	7/20/20 14:51		7/20/20 15:05		7/20/20 15:20		7/20/20 15:34	
QC Batch No.:	200720GC8A1		200720GC8A1		200720GC8A1		200720GC8A1	
Analyst Initials:	CM		CM		CM		CM	
Dilution Factor:	3.4		3.4		3.4		3.4	
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	0.034	ND d	0.034	ND d	0.034	ND d	0.034
Carbon Dioxide	39	0.034	40	0.034	39	0.034	36	0.034
Oxygen/Argon	ND	1.7	ND	1.7	ND	1.7	ND	1.7
Nitrogen	12	3.4	7.5	3.4	11	3.4	4.5	3.4
Methane	48	0.0034	52	0.0034	49	0.0034	58	0.0034
Carbon Monoxide	ND	0.0034	ND	0.0034	ND	0.0034	ND	0.0034

Results normalized including non-methane hydrocarbons

ND = Not Detected (below RL)
RL = Reporting Limit
d = Analyzed by secondary analysis, batch number 200723GC8A2

Reviewed/Approved By: _____ Date 7-24-20

Mark Johnson
Operations Manager

The cover letter is an integral part of this analytical report

AirTECHNOLOGY Laboratories, Inc.
18501 E. Gale Avenue, Suite 130 ♦ City of Industry, CA 91748 ♦ Ph: (626) 964-4032 ♦ Fx: (626) 964-5832

Client: Republic Services
Attn: Mike Lambrich
Project Name: Bridgeton Landfill
Project No.: NA
Date Received: 07/16/20
Matrix: Air
Reporting Units: % v/v

ASTM D1946

Lab No.:	L071706-21		L071706-22		L071706-23		L071706-24	
Client Sample I.D.:	GEW 2		GEW 3		GEW 4		GEW 47R	
Date/Time Sampled:	7/8/20 13:34		7/8/20 13:43		7/8/20 13:53		7/8/20 14:13	
Date/Time Analyzed:	7/20/20 17:45		7/20/20 18:00		7/20/20 18:14		7/20/20 18:29	
QC Batch No.:	200720GC8A2		200720GC8A2		200720GC8A2		200720GC8A2	
Analyst Initials:	CM		CM		CM		CM	
Dilution Factor:	3.3		3.3		3.3		3.4	
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	0.033	ND d	0.033	ND d	0.033	ND d	0.034
Carbon Dioxide	43	0.033	42	0.033	41	0.033	42	0.034
Oxygen/Argon	ND	1.6	ND	1.6	ND	1.6	ND	1.7
Nitrogen	4.0	3.3	11	3.3	8.0	3.3	7.4	3.4
Methane	53	0.0033	46	0.0033	50	0.0033	49	0.0034
Carbon Monoxide	ND	0.0033	ND	0.0033	ND	0.0033	ND	0.0034

Results normalized including non-methane hydrocarbons

ND = Not Detected (below RL)
RL = Reporting Limit
d = Analyzed by secondary analysis, batch number 200723GC8A2

Reviewed/Approved By: _____ Date 7-24-20

Mark Johnson
Operations Manager

The cover letter is an integral part of this analytical report

AirTECHNOLOGY Laboratories, Inc.
18501 E. Gale Avenue, Suite 130 ♦ City of Industry, CA 91748 ♦ Ph: (626) 964-4032 ♦ Fx: (626) 964-5832

Client: Republic Services
Attn: Mike Lambrich
Project Name: Bridgeton Landfill
Project No.: NA
Date Received: 07/16/20
Matrix: Air
Reporting Units: % v/v

ASTM D1946

Lab No.:	L071706-25		L071706-26		L071706-27		L071706-28	
Client Sample I.D.:	GEW 5		GEW 48		GEW 6		GEW 107	
Date/Time Sampled:	7/8/20 14:27		7/8/20 14:39		7/8/20 14:57		7/9/20 7:57	
Date/Time Analyzed:	7/20/20 18:43		7/20/20 18:58		7/20/20 19:13		7/20/20 19:27	
QC Batch No.:	200720GC8A2		200720GC8A2		200720GC8A2		200720GC8A2	
Analyst Initials:	CM		CM		CM		CM	
Dilution Factor:	3.4		3.4		3.4		3.4	
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	0.034	ND d	0.034	ND d	0.034	12	3.4
Carbon Dioxide	40	0.034	40	0.034	40	0.034	48	0.034
Oxygen/Argon	ND	1.7	ND	1.7	ND	1.7	ND	1.7
Nitrogen	7.0	3.4	7.7	3.4	6.0	3.4	5.1	3.4
Methane	52	0.0034	51	0.0034	54	0.0034	33	0.0034
Carbon Monoxide	ND	0.0034	ND	0.0034	ND	0.0034	0.037	0.0034

Results normalized including non-methane hydrocarbons

ND = Not Detected (below RL)
RL = Reporting Limit
d = Analyzed by secondary analysis, batch number 200723GC8A2

Reviewed/Approved By: _____ Date 7-24-20

Mark Johnson
Operations Manager

The cover letter is an integral part of this analytical report

18501 E. Gale Avenue, Suite 130 ♦ City of Industry, CA 91748 ♦ Ph: (626) 964-4032 ♦ Fx: (626) 964-5832

Client: Republic Services
Attn: Mike Lambrich
Project Name: Bridgeton Landfill
Project No.: NA
Date Received: 07/16/20
Matrix: Air
Reporting Units: % v/v

ASTM D1946

Lab No.:	L071706-29		L071706-30		L071706-31		L071706-32	
Client Sample I.D.:	GEW 152		GEW 58A		GEW 106		GEW 158	
Date/Time Sampled:	7/9/20 8:07		7/9/20 8:18		7/9/20 8:35		7/10/20 8:47	
Date/Time Analyzed:	7/20/20 19:42		7/20/20 19:56		7/20/20 20:11		7/20/20 20:26	
QC Batch No.:	200720GC8A2		200720GC8A2		200720GC8A2		200720GC8A2	
Analyst Initials:	CM		CM		CM		CM	
Dilution Factor:	3.2		3.4		3.4		3.2	
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	19	3.2	22	3.4	30	3.4	14	3.2
Carbon Dioxide	48	0.032	35	0.034	47	0.034	46	0.032
Oxygen/Argon	ND	1.6	2.5	1.7	ND	1.7	ND	1.6
Nitrogen	8.5	3.2	32	3.4	12	3.4	9.6	3.2
Methane	23	0.0032	8.2	0.0034	10.0	0.0034	29	0.0032
Carbon Monoxide	0.044	0.0032	0.049	0.0034	0.064	0.0034	0.031	0.0032

Results normalized including non-methane hydrocarbons

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

Reviewed/Approved By: _____ Date 7.24.20

Mark Johnson
Operations Manager

The cover letter is an integral part of this analytical report

AirTECHNOLOGY Laboratories, Inc.
18501 E. Gale Avenue, Suite 130 ♦ City of Industry, CA 91748 ♦ Ph: (626) 964-4032 ♦ Fx: (626) 964-5832

Client: Republic Services
Attn: Mike Lambrich
Project Name: Bridgeton Landfill
Project No.: NA
Date Received: 07/16/20
Matrix: Air
Reporting Units: % v/v

ASTM D1946

Lab No.:	L071706-33		L071706-34		L071706-35		L071706-36	
Client Sample I.D.:	GEW 105		GEW 237		GEW 175		GEW 150	
Date/Time Sampled:	7/10/20 8:56		7/10/20 9:09		7/10/20 9:17		7/10/20 9:26	
Date/Time Analyzed:	7/20/20 20:40		7/20/20 20:55		7/20/20 21:09		7/20/20 21:24	
QC Batch No.:	200720GC8A2		200720GC8A2		200720GC8A2		200720GC8A2	
Analyst Initials:	CM		CM		CM		CM	
Dilution Factor:	3.2		3.2		3.4		3.2	
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	11	3.2	1.7 d	0.032	1.0 d	0.034	14	3.2
Carbon Dioxide	45	0.032	41	0.032	37	0.034	44	0.032
Oxygen/Argon	ND	1.6	4.3	1.6	4.1	1.7	2.4	1.6
Nitrogen	3.9	3.2	23	3.2	31	3.4	15	3.2
Methane	39	0.0032	30	0.0032	26	0.0034	25	0.0032
Carbon Monoxide	0.021	0.0032	0.0083	0.0032	0.0072	0.0034	0.031	0.0032

Results normalized including non-methane hydrocarbons

ND = Not Detected (below RL)
RL = Reporting Limit
d = Analyzed by secondary analysis, batch number 200723GC8A2

Reviewed/Approved By: _____ Date 7-24-20

Mark Johnson
Operations Manager

The cover letter is an integral part of this analytical report

AirTECHNOLOGY Laboratories, Inc.
18501 E. Gale Avenue, Suite 130 ♦ City of Industry, CA 91748 ♦ Ph: (626) 964-4032 ♦ Fx: (626) 964-5832

Client: Republic Services
Attn: Mike Lambrich
Project Name: Bridgeton Landfill
Project No.: NA
Date Received: 07/16/20
Matrix: Air
Reporting Units: % v/v

ASTM D1946

Lab No.:	L071706-37		L071706-38		L071706-39		L071706-40	
Client Sample I.D.:	GEW 104		GEW 157		GEW 57B		GEW 156	
Date/Time Sampled:	7/10/20 9:35		7/10/20 9:52		7/10/20 10:09		7/10/20 10:22	
Date/Time Analyzed:	7/20/20 21:38		7/20/20 21:53		7/20/20 22:08		7/20/20 22:22	
QC Batch No.:	200720GC8A2		200720GC8A2		200720GC8A2		200720GC8A2	
Analyst Initials:	CM		CM		CM		CM	
Dilution Factor:	3.2		3.2		3.4		3.4	
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	28	3.2	18	3.2	24	3.4	13	3.4
Carbon Dioxide	52	0.032	43	0.032	32	0.034	44	0.034
Oxygen/Argon	ND	1.6	2.0	1.6	9.2	1.7	ND	1.7
Nitrogen	7.9	3.2	7.2	3.2	32	3.4	10	3.4
Methane	10	0.0032	29	0.0032	0.98	0.0034	30	0.0034
Carbon Monoxide	0.044	0.0032	0.024	0.0032	0.031	0.0034	0.027	0.0034

Results normalized including non-methane hydrocarbons

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

Reviewed/Approved By: _____ Date 7-24-20

Mark Johnson
Operations Manager

The cover letter is an integral part of this analytical report

AirTECHNOLOGY Laboratories, Inc.
18501 E. Gale Avenue, Suite 130 ♦ City of Industry, CA 91748 ♦ Ph: (626) 964-4032 ♦ Fx: (626) 964-5832

Client: Republic Services
Attn: Mike Lambrich
Project Name: Bridgeton Landfill
Project No.: NA
Date Received: 07/16/20
Matrix: Air
Reporting Units: % v/v

ASTM D1946

Lab No.:	L071706-41		L071706-42		L071706-43		L071706-44	
Client Sample I.D.:	GEW 217		GEW 178		GEW 145		GEW 179	
Date/Time Sampled:	7/10/20 13:42		7/10/20 13:55		7/10/20 14:05		7/10/20 14:14	
Date/Time Analyzed:	7/21/20 0:19		7/21/20 8:48		7/21/20 9:03		7/21/20 9:18	
QC Batch No.:	200721GC8A1		200721GC8A1		200721GC8A1		200721GC8A1	
Analyst Initials:	CM		CM		CM		CM	
Dilution Factor:	3.4		3.4		3.4		3.4	
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	18	3.4	ND d	0.034	20	3.4	ND d	0.034
Carbon Dioxide	46	0.034	36	0.034	46	0.034	43	0.034
Oxygen/Argon	ND	1.7	2.4	1.7	ND	1.7	ND	1.7
Nitrogen	ND	3.4	35	3.4	ND	3.4	15	3.4
Methane	32	0.0034	26	0.0034	30	0.0034	41	0.0034
Carbon Monoxide	0.021	0.0034	ND	0.0034	0.018	0.0034	ND	0.0034

Results normalized including non-methane hydrocarbons

ND = Not Detected (below RL)
RL = Reporting Limit
d = Analyzed by secondary analysis, batch number 200723GC8A2

Reviewed/Approved By: _____ Date 7-24-20

Mark Johnson
Operations Manager

The cover letter is an integral part of this analytical report

18501 E. Gale Avenue, Suite 130 ♦ City of Industry, CA 91748 ♦ Ph: (626) 964-4032 ♦ Fx: (626) 964-5832

Client: Republic Services
Attn: Mike Lambrich
Project Name: Bridgeton Landfill
Project No.: NA
Date Received: 07/16/20
Matrix: Air
Reporting Units: % v/v

ASTM D1946

Lab No.:	L071706-45		L071706-46		L071706-47		L071706-48	
Client Sample I.D.:	GEW 102		GEW 218		GEW 220		GEW 174	
Date/Time Sampled:	7/10/20 14:25		7/10/20 14:37		7/10/20 14:47		7/10/20 14:58	
Date/Time Analyzed:	7/21/20 9:33		7/21/20 9:59		7/21/20 10:13		7/21/20 10:28	
QC Batch No.:	200721GC8A1		200721GC8A1		200721GC8A1		200721GC8A1	
Analyst Initials:	CM		CM		CM		CM	
Dilution Factor:	3.4		3.4		3.2		3.4	
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	12	3.4	13	3.4	13	3.2	9.1	3.4
Carbon Dioxide	42	0.034	46	0.034	35	0.032	37	0.034
Oxygen/Argon	3.3	1.7	ND	1.7	7.5	1.6	ND	1.7
Nitrogen	12	3.4	18	3.4	27	3.2	38	3.4
Methane	30	0.0034	21	0.0034	16	0.0032	14	0.0034
Carbon Monoxide	0.0082	0.0034	0.034	0.0034	0.043	0.0032	0.017	0.0034

Results normalized including non-methane hydrocarbons

ND = Not Detected (below RL)
RL = Reporting Limit
d = Analyzed by secondary analysis, batch number 200723GC8A2

Reviewed/Approved By: _____ Date 7-24-20

Mark Johnson
Operations Manager

The cover letter is an integral part of this analytical report

AirTECHNOLOGY Laboratories, Inc.
18501 E. Gale Avenue, Suite 130 ♦ City of Industry, CA 91748 ♦ Ph: (626) 964-4032 ♦ Fx: (626) 964-5832

Client: Republic Services
Attn: Mike Lambrich
Project Name: Bridgeton Landfill
Project No.: NA
Date Received: 07/16/20
Matrix: Air
Reporting Units: % v/v

ASTM D1946

Lab No.:	L071706-49		L071706-50		L071706-51		L071706-52	
Client Sample I.D.:	GEW 180		GEW 101		GEW 221		GEW 144	
Date/Time Sampled:	7/13/20 8:24		7/13/20 8:40		7/13/20 8:48		7/13/20 8:59	
Date/Time Analyzed:	7/21/20 10:42		7/21/20 10:57		7/21/20 11:30		7/21/20 11:44	
QC Batch No.:	200721GC8A1		200721GC8A1		200721GC8A1		200721GC8A1	
Analyst Initials:	CM		CM		CM		CM	
Dilution Factor:	3.2		3.2		3.2		3.2	
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	0.032	ND d	0.032	3.4 d	0.032	0.12 d	0.032
Carbon Dioxide	62	0.032	62	0.032	56	0.032	41	0.032
Oxygen/Argon	ND	1.6	ND	1.6	ND	1.6	4.5	1.6
Nitrogen	4.3	3.2	ND	3.2	13	3.2	16	3.2
Methane	33	0.0032	34	0.0032	26	0.0032	38	0.0032
Carbon Monoxide	ND	0.0032	ND	0.0032	0.013	0.0032	ND	0.0032

Results normalized including non-methane hydrocarbons

ND = Not Detected (below RL)
RL = Reporting Limit
d = Analyzed by secondary analysis, batch number 200723GC8A2

Reviewed/Approved By: _____ Date 7-24-20

Mark Johnson
Operations Manager

The cover letter is an integral part of this analytical report

AirTECHNOLOGY Laboratories, Inc.
18501 E. Gale Avenue, Suite 130 ♦ City of Industry, CA 91748 ♦ Ph: (626) 964-4032 ♦ Fx: (626) 964-5832

Client: Republic Services
Attn: Mike Lambrich
Project Name: Bridgeton Landfill
Project No.: NA
Date Received: 07/16/20
Matrix: Air
Reporting Units: % v/v

ASTM D1946

Lab No.:	L071706-53		L071706-54		L071706-55		L071706-56	
Client Sample I.D.:	GEW 181		GEW 68A		GEW 222		GEW 100	
Date/Time Sampled:	7/13/20 9:09		7/13/20 9:18		7/13/20 9:28		7/13/20 9:37	
Date/Time Analyzed:	7/21/20 11:59		7/21/20 12:13		7/21/20 12:28		7/21/20 12:42	
QC Batch No.:	200721GC8A1		200721GC8A1		200721GC8A1		200721GC8A1	
Analyst Initials:	CM		CM		CM		CM	
Dilution Factor:	3.4		3.4		3.4		3.4	
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	0.034	38	3.4	7.7	3.4	18	3.4
Carbon Dioxide	50	0.034	54	0.034	43	0.034	51	0.034
Oxygen/Argon	7.0	1.7	ND	1.7	ND	1.7	3.6	1.7
Nitrogen	25	3.4	ND	3.4	8.7	3.4	13	3.4
Methane	19	0.0034	3.1	0.0034	39	0.0034	13	0.0034
Carbon Monoxide	ND	0.0034	0.10	0.0034	0.011	0.0034	0.028	0.0034

Results normalized including non-methane hydrocarbons

ND = Not Detected (below RL)
RL = Reporting Limit
d = Analyzed by secondary analysis, batch number 200723GC8A3

Reviewed/Approved By: _____ Date 7-24-20

Mark Johnson
Operations Manager

The cover letter is an integral part of this analytical report

AirTECHNOLOGY Laboratories, Inc.
18501 E. Gale Avenue, Suite 130 ♦ City of Industry, CA 91748 ♦ Ph: (626) 964-4032 ♦ Fx: (626) 964-5832

Client: Republic Services
Attn: Mike Lambrich
Project Name: Bridgeton Landfill
Project No.: NA
Date Received: 07/16/20
Matrix: Air
Reporting Units: % v/v

ASTM D1946

Lab No.:	L071706-57		L071706-58		L071706-59		L071706-60	
Client Sample I.D.:	GEW 171		GEW 223		GEW 172		GEW 140	
Date/Time Sampled:	7/13/20 9:59		7/13/20 10:12		7/13/20 10:21		7/13/20 10:29	
Date/Time Analyzed:	7/21/20 12:57		7/21/20 13:12		7/24/20 15:53		7/21/20 13:41	
QC Batch No.:	200721GC8A1		200721GC8A1		200724GC8A2		200721GC8A1	
Analyst Initials:	CM		CM		CM		CM	
Dilution Factor:	3.4		3.4		3.4		3.4	
ANALYTE	Result % v/v	RL % v/v	Result % v/v	RL % v/v	Result % v/v	RL % v/v	Result % v/v	RL % v/v
Hydrogen	3.3 d	0.034	0.76 d	0.034	18	3.4	13	3.4
Carbon Dioxide	59	0.034	64	0.034	45	0.034	41	0.034
Oxygen/Argon	2.7	1.7	ND	1.7	1.7	1.7	ND	1.7
Nitrogen	10	3.4	ND	3.4	11	3.4	14	3.4
Methane	24	0.0034	31	0.0034	24	0.0034	30	0.0034
Carbon Monoxide	0.019	0.0034	0.020	0.0034	0.063	0.0034	0.025	0.0034

Results normalized including non-methane hydrocarbons

ND = Not Detected (below RL)
RL = Reporting Limit
d = Analyzed by secondary analysis, batch number 200723GC8A3

Reviewed/Approved By: _____ Date 7-24-20

Mark Johnson
Operations Manager

The cover letter is an integral part of this analytical report

AirTECHNOLOGY Laboratories, Inc.
18501 E. Gale Avenue, Suite 130 ♦ City of Industry, CA 91748 ♦ Ph: (626) 964-4032 ♦ Fx: (626) 964-5832

Client: Republic Services
Attn: Mike Lambrich
Project Name: Bridgeton Landfill
Project No.: NA
Date Received: 07/16/20
Matrix: Air
Reporting Units: % v/v

ASTM D1946

Lab No.:	L071706-61		L071706-62		L071706-63		L071706-64	
Client Sample I.D.:	GEW 240		GEW 226		GEW 139		GEW 225	
Date/Time Sampled:	7/13/20 10:39		7/13/20 10:48		7/13/20 10:57		7/13/20 11:07	
Date/Time Analyzed:	7/21/20 16:26		7/21/20 16:42		7/21/20 16:56		7/21/20 17:11	
QC Batch No.:	200721GC8A2		200721GC8A2		200721GC8A2		200721GC8A2	
Analyst Initials:	CM		CM		CM		CM	
Dilution Factor:	3.4		3.4		3.4		3.2	
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	25	3.4	13	3.4	21	3.4	26	3.2
Carbon Dioxide	39	0.034	35	0.034	40	0.034	50	0.032
Oxygen/Argon	1.7	1.7	ND	1.7	2.6	1.7	ND	1.6
Nitrogen	30	3.4	37	3.4	18	3.4	8.4	3.2
Methane	2.1	0.0034	13	0.0034	18	0.0034	14	0.0032
Carbon Monoxide	0.058	0.0034	0.048	0.0034	0.073	0.0034	0.13	0.0032

Results normalized including non-methane hydrocarbons

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

Reviewed/Approved By: _____ Date 7-24-20

Mark Johnson
Operations Manager

The cover letter is an integral part of this analytical report

18501 E. Gale Avenue, Suite 130 ♦ City of Industry, CA 91748 ♦ Ph: (626) 964-4032 ♦ Fx: (626) 964-5832

Client: Republic Services
Attn: Mike Lambrich
Project Name: Bridgeton Landfill
Project No.: NA
Date Received: 07/16/20
Matrix: Air
Reporting Units: % v/v

ASTM D1946

Lab No.:	L071706-65		L071706-66		L071706-67		L071706-68	
Client Sample I.D.:	GEW 224		GEW 177		GEW 186		GEW 170	
Date/Time Sampled:	7/13/20 11:15		7/13/20 11:24		7/13/20 11:35		7/13/20 11:43	
Date/Time Analyzed:	7/21/20 17:25		7/21/20 17:40		7/21/20 17:54		7/21/20 18:09	
QC Batch No.:	200721GC8A2		200721GC8A2		200721GC8A2		200721GC8A2	
Analyst Initials:	CM		CM		CM		CM	
Dilution Factor:	3.4		3.4		3.4		3.4	
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	4.2 d	0.034	16	3.4	1.1 d	0.034	13	3.4
Carbon Dioxide	59	0.034	43	0.034	48	0.034	37	0.034
Oxygen/Argon	ND	1.7	3.5	1.7	ND	1.7	4.2	1.7
Nitrogen	ND	3.4	26	3.4	ND	3.4	35	3.4
Methane	32	0.0034	10	0.0034	47	0.0034	10	0.0034
Carbon Monoxide	0.040	0.0034	0.11	0.0034	0.0043	0.0034	0.056	0.0034

Results normalized including non-methane hydrocarbons

ND = Not Detected (below RL)
RL = Reporting Limit
d = Analyzed by secondary analysis, batch number 200723GC8A3

Reviewed/Approved By: _____ Date 7-24-20

Mark Johnson
Operations Manager

The cover letter is an integral part of this analytical report

18501 E. Gale Avenue, Suite 130 ♦ City of Industry, CA 91748 ♦ Ph: (626) 964-4032 ♦ Fx: (626) 964-5832

Client: Republic Services
Attn: Mike Lambrich
Project Name: Bridgeton Landfill
Project No.: NA
Date Received: 07/16/20
Matrix: Air
Reporting Units: % v/v

ASTM D1946

Lab No.:	L071706-69		L071706-70		L071706-71		L071706-72	
Client Sample I.D.:	GEW 130		GEW 127		GEW 169		GEW 126	
Date/Time Sampled:	7/13/20 13:03		7/13/20 13:10		7/13/20 13:20		7/13/20 13:28	
Date/Time Analyzed:	7/21/20 18:23		7/21/20 18:38		7/21/20 18:52		7/21/20 19:07	
QC Batch No.:	200721GC8A2		200721GC8A2		200721GC8A2		200721GC8A2	
Analyst Initials:	CM		CM		CM		CM	
Dilution Factor:	3.4		3.4		3.4		3.4	
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	17	3.4	14	3.4	9.8	3.4	13	3.4
Carbon Dioxide	45	0.034	52	0.034	45	0.034	52	0.034
Oxygen/Argon	ND	1.7	ND	1.7	2.0	1.7	1.9	1.7
Nitrogen	14	3.4	15	3.4	25	3.4	11	3.4
Methane	22	0.0034	17	0.0034	18	0.0034	22	0.0034
Carbon Monoxide	0.083	0.0034	0.073	0.0034	0.042	0.0034	0.059	0.0034

Results normalized including non-methane hydrocarbons

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

Reviewed/Approved By: _____ Date 7-24-20

Mark Johnson
Operations Manager

The cover letter is an integral part of this analytical report

AirTECHNOLOGY Laboratories, Inc.
18501 E. Gale Avenue, Suite 130 ♦ City of Industry, CA 91748 ♦ Ph: (626) 964-4032 ♦ Fx: (626) 964-5832

Client: Republic Services
Attn: Mike Lambrich
Project Name: Bridgeton Landfill
Project No.: NA
Date Received: 07/16/20
Matrix: Air
Reporting Units: % v/v

ASTM D1946

Lab No.:	L071706-73		L071706-74		L071706-75		L071706-76	
Client Sample I.D.:	GEW 131		GEW 168		GEW 125		GEW 165	
Date/Time Sampled:	7/13/20 13:36		7/13/20 13:45		7/13/20 13:55		7/13/20 14:03	
Date/Time Analyzed:	7/21/20 19:21		7/21/20 19:36		7/21/20 19:51		7/21/20 20:05	
QC Batch No.:	200721GC8A2		200721GC8A2		200721GC8A2		200721GC8A2	
Analyst Initials:	CM		CM		CM		CM	
Dilution Factor:	3.4		3.4		3.4		3.4	
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	12	3.4	3.4 d	0.034	0.36 d	0.034	7.7	3.4
Carbon Dioxide	46	0.034	55	0.034	46	0.034	43	0.034
Oxygen/Argon	ND	1.7	ND	1.7	ND	1.7	4.3	1.7
Nitrogen	ND	3.4	ND	3.4	14	3.4	28	3.4
Methane	38	0.0034	37	0.0034	38	0.0034	16	0.0034
Carbon Monoxide	0.052	0.0034	0.0086	0.0034	0.0079	0.0034	0.023	0.0034

Results normalized including non-methane hydrocarbons

ND = Not Detected (below RL)
RL = Reporting Limit
d = Analyzed by secondary analysis, batch number 200723GC8A3

Reviewed/Approved By: _____ Date 7-24-20

Mark Johnson
Operations Manager

The cover letter is an integral part of this analytical report

AirTECHNOLOGY Laboratories, Inc.
18501 E. Gale Avenue, Suite 130 ♦ City of Industry, CA 91748 ♦ Ph: (626) 964-4032 ♦ Fx: (626) 964-5832

Client: Republic Services
Attn: Mike Lambrich
Project Name: Bridgeton Landfill
Project No.: NA
Date Received: 07/16/20
Matrix: Air
Reporting Units: % v/v

ASTM D1946

Lab No.:	L071706-77		L071706-78		L071706-79		L071706-80	
Client Sample I.D.:	GEW 166		GEW 167		GEW 122		GEW 124	
Date/Time Sampled:	7/13/20 14:11		7/13/20 14:21		7/13/20 14:29		7/13/20 14:39	
Date/Time Analyzed:	7/21/20 20:20		7/21/20 20:34		7/21/20 20:49		7/21/20 21:04	
QC Batch No.:	200721GC8A2		200721GC8A2		200721GC8A2		200721GC8A2	
Analyst Initials:	CM		CM		CM		CM	
Dilution Factor:	3.4		3.4		3.4		3.4	
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	21	3.4	32	3.4	7.1	3.4	ND d	0.034
Carbon Dioxide	40	0.034	46	0.034	37	0.034	44	0.034
Oxygen/Argon	5.3	1.7	ND	1.7	ND	1.7	ND	1.7
Nitrogen	26	3.4	8.6	3.4	18	3.4	4.9	3.4
Methane	7.4	0.0034	13	0.0034	37	0.0034	50	0.0034
Carbon Monoxide	0.11	0.0034	0.12	0.0034	0.024	0.0034	ND	0.0034

Results normalized including non-methane hydrocarbons

ND = Not Detected (below RL)
RL = Reporting Limit
d = Analyzed by secondary analysis, batch number 200723GC8A3

Reviewed/Approved By: _____ Date 7-24-20

Mark Johnson
Operations Manager

The cover letter is an integral part of this analytical report

18501 E. Gale Avenue, Suite 130 ♦ City of Industry, CA 91748 ♦ Ph: (626) 964-4032 ♦ Fx: (626) 964-5832

Client: Republic Services
Attn: Mike Lambrich
Project Name: Bridgeton Landfill
Project No.: NA
Date Received: 07/16/20
Matrix: Air
Reporting Units: % v/v

ASTM D1946

Lab No.:	L071706-81		L071706-82		L071706-83		L071706-84	
Client Sample I.D.:	GEW 164		GEW 123		GEW 163		GEW 235	
Date/Time Sampled:	7/13/20 15:13		7/13/20 15:21		7/13/20 15:30		7/13/20 15:38	
Date/Time Analyzed:	7/21/20 23:00		7/21/20 23:14		7/21/20 23:29		7/21/20 23:44	
QC Batch No.:	200721GC8A3		200721GC8A3		200721GC8A3		200721GC8A3	
Analyst Initials:	CM		CM		CM		CM	
Dilution Factor:	3.4		3.4		3.4		3.4	
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	0.034	1.2 d	0.034	2.3 d	0.034	14	3.4
Carbon Dioxide	49	0.034	60	0.034	58	0.034	50	0.034
Oxygen/Argon	ND	1.7	ND	1.7	ND	1.7	ND	1.7
Nitrogen	18	3.4	9.1	3.4	10	3.4	11	3.4
Methane	31	0.0034	29	0.0034	28	0.0034	23	0.0034
Carbon Monoxide	0.0038	0.0034	0.019	0.0034	0.0089	0.0034	0.028	0.0034

Results normalized including non-methane hydrocarbons

ND = Not Detected (below RL)
RL = Reporting Limit
d = Analyzed by secondary analysis, batch number 200723GC8A3

Reviewed/Approved By: _____ Date 7-24-20

Mark Johnson
Operations Manager

The cover letter is an integral part of this analytical report

18501 E. Gale Avenue, Suite 130 ♦ City of Industry, CA 91748 ♦ Ph: (626) 964-4032 ♦ Fx: (626) 964-5832

Client: Republic Services
Attn: Mike Lambrich
Project Name: Bridgeton Landfill
Project No.: NA
Date Received: 07/16/20
Matrix: Air
Reporting Units: % v/v

ASTM D1946

Lab No.:	L071706-85		L071706-86		L071706-87		L071706-88	
Client Sample I.D.:	GEW 121		GEW 185		GEW 120		GEW 19A	
Date/Time Sampled:	7/13/20 15:46		7/13/20 15:55		7/13/20 16:03		7/13/20 16:11	
Date/Time Analyzed:	7/21/20 23:58		7/22/20 8:52		7/22/20 9:06		7/22/20 9:21	
QC Batch No.:	200721GC8A3		200721GC8A3		200721GC8A3		200721GC8A3	
Analyst Initials:	CM		CM		CM		CM	
Dilution Factor:	3.4		3.4		3.4		3.4	
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	7.2	3.4	ND d	0.034	0.15 d	0.034	23	3.4
Carbon Dioxide	46	0.034	50	0.034	40	0.034	59	0.034
Oxygen/Argon	ND	1.7	ND	1.7	3.0	1.7	3.6	1.7
Nitrogen	21	3.4	19	3.4	29	3.4	13	3.4
Methane	25	0.0034	29	0.0034	27	0.0034	1.2	0.0034
Carbon Monoxide	0.020	0.0034	ND	0.0034	0.0038	0.0034	0.084	0.0034

Results normalized including non-methane hydrocarbons

ND = Not Detected (below RL)
RL = Reporting Limit
d = Analyzed by secondary analysis, batch number 200723GC8A3

Reviewed/Approved By: _____ Date 7-24-20
Mark Johnson
Operations Manager

The cover letter is an integral part of this analytical report

18501 E. Gale Avenue, Suite 130 ♦ City of Industry, CA 91748 ♦ Ph: (626) 964-4032 ♦ Fx: (626) 964-5832

Client: Republic Services
Attn: Mike Lambrich
Project Name: Bridgeton Landfill
Project No.: NA
Date Received: 07/16/20
Matrix: Air
Reporting Units: % v/v

ASTM D1946

Lab No.:	L071706-89		L071706-90		L071706-91		L071706-92	
Client Sample I.D.:	GEW 82R		GEW 132		GEW 118		GEW 234	
Date/Time Sampled:	7/14/20 8:32		7/14/20 8:39		7/14/20 8:48		7/14/20 8:57	
Date/Time Analyzed:	7/22/20 9:35		7/22/20 9:50		7/22/20 10:04		7/22/20 10:19	
QC Batch No.:	200721GC8A3		200721GC8A3		200721GC8A3		200721GC8A3	
Analyst Initials:	CM		CM		CM		CM	
Dilution Factor:	3.4		3.4		3.2		3.2	
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	18	3.4	9.5	3.4	36	3.2	22	3.2
Carbon Dioxide	34	0.034	29	0.034	57	0.032	37	0.032
Oxygen/Argon	ND	1.7	3.1	1.7	ND	1.6	6.1	1.6
Nitrogen	39	3.4	47	3.4	ND	3.2	32	3.2
Methane	7.6	0.0034	11	0.0034	1.5	0.0032	1.5	0.0032
Carbon Monoxide	0.044	0.0034	0.035	0.0034	0.033	0.0032	0.064	0.0032

Results normalized including non-methane hydrocarbons

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

Reviewed/Approved By: _____ Date 7-24-20

Mark Johnson
Operations Manager

The cover letter is an integral part of this analytical report

AirTECHNOLOGY Laboratories, Inc.
18501 E. Gale Avenue, Suite 130 ♦ City of Industry, CA 91748 ♦ Ph: (626) 964-4032 ♦ Fx: (626) 964-5832

Client: Republic Services
Attn: Mike Lambrich
Project Name: Bridgeton Landfill
Project No.: NA
Date Received: 07/16/20
Matrix: Air
Reporting Units: % v/v

ASTM D1946

Lab No.:	L071706-93		L071706-94		L071706-95		L071706-96	
Client Sample I.D.:	GEW 117		GEW 133		GEW 116		GEW 227	
Date/Time Sampled:	7/14/20 9:11		7/14/20 9:19		7/14/20 9:27		7/14/20 9:43	
Date/Time Analyzed:	7/22/20 10:33		7/22/20 11:36		7/22/20 11:51		7/22/20 12:05	
QC Batch No.:	200721GC8A3		200721GC8A3		200721GC8A3		200721GC8A3	
Analyst Initials:	CM		CM		CM		CM	
Dilution Factor:	3.2		3.2		3.2		3.2	
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	2.0 d	0.032	14	3.2	2.8 d	0.032	30	3.2
Carbon Dioxide	54	0.032	34	0.032	44	0.032	43	0.032
Oxygen/Argon	ND	1.6	ND	1.6	2.7	1.6	2.0	1.6
Nitrogen	15	3.2	47	3.2	31	3.2	22	3.2
Methane	27	0.0032	3.5	0.0032	19	0.0032	1.4	0.0032
Carbon Monoxide	0.015	0.0032	0.048	0.0032	0.022	0.0032	0.058	0.0032

Results normalized including non-methane hydrocarbons

ND = Not Detected (below RL)
RL = Reporting Limit
d = Analyzed by secondary analysis, batch number 200723GC8A3

Reviewed/Approved By: _____ Date 7-24-20

Mark Johnson
Operations Manager

The cover letter is an integral part of this analytical report

AirTECHNOLOGY Laboratories, Inc.
18501 E. Gale Avenue, Suite 130 ♦ City of Industry, CA 91748 ♦ Ph: (626) 964-4032 ♦ Fx: (626) 964-5832

Client: Republic Services
Attn: Mike Lambrich
Project Name: Bridgeton Landfill
Project No.: NA
Date Received: 07/16/20
Matrix: Air
Reporting Units: % v/v

ASTM D1946

Lab No.:	L071706-97		L071706-98		L071706-99		L071706-100	
Client Sample I.D.:	GEW 135		GEW 233		GEW 134		GEW 18B	
Date/Time Sampled:	7/14/20 9:53		7/14/20 10:02		7/14/20 10:10		7/14/20 10:20	
Date/Time Analyzed:	7/22/20 12:20		7/22/20 15:05		7/22/20 15:20		7/22/20 15:34	
QC Batch No.:	200721GC8A3		200722GC8A1		200722GC8A1		200722GC8A1	
Analyst Initials:	CM		CM		CM		CM	
Dilution Factor:	3.2		3.2		3.2		3.4	
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	30	3.2	15	3.2	11	3.2	41	3.4
Carbon Dioxide	53	0.032	34	0.032	39	0.032	51	0.034
Oxygen/Argon	ND	1.6	3.6	1.6	2.0	1.6	ND	1.7
Nitrogen	12	3.2	43	3.2	40	3.2	3.9	3.4
Methane	3.2	0.0032	3.0	0.0032	7.1	0.0032	1.3	0.0034
Carbon Monoxide	0.063	0.0032	0.036	0.0032	0.031	0.0032	0.074	0.0034

Results normalized including non-methane hydrocarbons

ND = Not Detected (below RL)
RL = Reporting Limit
d = Analyzed by secondary analysis, batch number 200723GC8A3

Reviewed/Approved By: _____ Date 7-24-20

Mark Johnson
Operations Manager

The cover letter is an integral part of this analytical report

AirTECHNOLOGY Laboratories, Inc.
18501 E. Gale Avenue, Suite 130 ♦ City of Industry, CA 91748 ♦ Ph: (626) 964-4032 ♦ Fx: (626) 964-5832

Client: Republic Services
Attn: Mike Lambrich
Project Name: Bridgeton Landfill
Project No.: NA
Date Received: 07/16/20
Matrix: Air
Reporting Units: % v/v

ASTM D1946

Lab No.:	L071706-101		L071706-102		L071706-103		L071706-104	
Client Sample I.D.:	GEW 78R		GEW 137		GEW 236		GEW 228	
Date/Time Sampled:	7/14/20 10:32		7/14/20 10:51		7/14/20 11:00		7/14/20 11:08	
Date/Time Analyzed:	7/22/20 15:49		7/22/20 16:03		7/22/20 16:18		7/22/20 16:32	
QC Batch No.:	200722GC8A1		200722GC8A1		200722GC8A1		200722GC8A1	
Analyst Initials:	CM		CM		CM		CM	
Dilution Factor:	3.4		3.4		3.4		3.4	
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	13	3.4	ND d	0.034	12	3.4	18	3.4
Carbon Dioxide	32	0.034	42	0.034	22	0.034	28	0.034
Oxygen/Argon	ND	1.7	ND	1.7	8.8	1.7	5.1	1.7
Nitrogen	43	3.4	19	3.4	53	3.4	44	3.4
Methane	9.7	0.0034	37	0.0034	3.9	0.0034	3.5	0.0034
Carbon Monoxide	0.038	0.0034	ND	0.0034	0.0086	0.0034	0.022	0.0034

Results normalized including non-methane hydrocarbons

ND = Not Detected (below RL)
RL = Reporting Limit
d = Analyzed by secondary analysis, batch number 200723GC8A1

Reviewed/Approved By: _____ Date 7-24-20

Mark Johnson
Operations Manager

The cover letter is an integral part of this analytical report

AirTECHNOLOGY Laboratories, Inc.
18501 E. Gale Avenue, Suite 130 ♦ City of Industry, CA 91748 ♦ Ph: (626) 964-4032 ♦ Fx: (626) 964-5832

Client: Republic Services
Attn: Mike Lambrich
Project Name: Bridgeton Landfill
Project No.: NA
Date Received: 07/16/20
Matrix: Air
Reporting Units: % v/v

ASTM D1946

Lab No.:	L071706-105		L071706-106		L071706-107		L071706-108	
Client Sample I.D.:	GEW 229		GEW 16R		GEW 147		GEW 15	
Date/Time Sampled:	7/14/20 11:18		7/14/20 11:29		7/14/20 11:38		7/14/20 11:46	
Date/Time Analyzed:	7/22/20 16:47		7/22/20 17:12		7/22/20 17:27		7/22/20 17:42	
QC Batch No.:	200722GC8A1		200722GC8A1		200722GC8A1		200722GC8A1	
Analyst Initials:	CM		CM		CM		CM	
Dilution Factor:	3.4		3.4		3.4		3.4	
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	7.5	3.4	21	3.4	17	3.4	18	3.4
Carbon Dioxide	26	0.034	51	0.034	45	0.034	48	0.034
Oxygen/Argon	ND	1.7	ND	1.7	ND	1.7	ND	1.7
Nitrogen	56	3.4	17	3.4	22	3.4	11	3.4
Methane	7.6	0.0034	8.1	0.0034	13	0.0034	21	0.0034
Carbon Monoxide	0.016	0.0034	0.053	0.0034	0.036	0.0034	0.041	0.0034

Results normalized including non-methane hydrocarbons

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

Reviewed/Approved By: _____ Date 7-24-20

Mark Johnson
Operations Manager

The cover letter is an integral part of this analytical report

AirTECHNOLOGY Laboratories, Inc.
18501 E. Gale Avenue, Suite 130 ♦ City of Industry, CA 91748 ♦ Ph: (626) 964-4032 ♦ Fx: (626) 964-5832

Client: Republic Services
Attn: Mike Lambrich
Project Name: Bridgeton Landfill
Project No.: NA
Date Received: 07/16/20
Matrix: Air
Reporting Units: % v/v

ASTM D1946

Lab No.:	L071706-109		L071706-110		L071706-111		L071706-112	
Client Sample I.D.:	GEW 238		GEW 113		GEW 232		GEW 87	
Date/Time Sampled:	7/14/20 13:05		7/14/20 13:13		7/14/20 13:21		7/14/20 13:30	
Date/Time Analyzed:	7/22/20 17:56		7/22/20 18:11		7/22/20 18:25		7/22/20 18:40	
QC Batch No.:	200722GC8A1		200722GC8A1		200722GC8A1		200722GC8A1	
Analyst Initials:	CM		CM		CM		CM	
Dilution Factor:	3.4		3.4		3.4		3.4	
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	14	3.4	21	3.4	3.4 d	0.034	11	3.4
Carbon Dioxide	54	0.034	56	0.034	56	0.034	45	0.034
Oxygen/Argon	1.9	1.7	ND	1.7	ND	1.7	ND	1.7
Nitrogen	14	3.4	9.8	3.4	13	3.4	22	3.4
Methane	16	0.0034	10	0.0034	26	0.0034	20	0.0034
Carbon Monoxide	0.036	0.0034	0.058	0.0034	0.014	0.0034	0.026	0.0034

Results normalized including non-methane hydrocarbons

ND = Not Detected (below RL)
RL = Reporting Limit
d = Analyzed by secondary analysis, batch number 200723GC8A1

Reviewed/Approved By: _____ Date 7-24-20

Mark Johnson
Operations Manager

The cover letter is an integral part of this analytical report

18501 E. Gale Avenue, Suite 130 ♦ City of Industry, CA 91748 ♦ Ph: (626) 964-4032 ♦ Fx: (626) 964-5832

Client: Republic Services
Attn: Mike Lambrich
Project Name: Bridgeton Landfill
Project No.: NA
Date Received: 07/16/20
Matrix: Air
Reporting Units: % v/v

ASTM D1946

Lab No.:	L071706-113		L071706-114		L071706-115		L071706-116	
Client Sample I.D.:	GEW 148		GEW 13A		GEW 151		GEW 86	
Date/Time Sampled:	7/14/20 13:39		7/14/20 13:55		7/14/20 14:05		7/14/20 14:14	
Date/Time Analyzed:	7/22/20 18:54		7/22/20 19:09		7/22/20 19:23		7/22/20 19:38	
QC Batch No.:	200722GC8A1		200722GC8A1		200722GC8A1		200722GC8A1	
Analyst Initials:	CM		CM		CM		CM	
Dilution Factor:	3.4		3.4		3.4		3.4	
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	27	3.4	11	3.4	36	3.4	8.3	3.4
Carbon Dioxide	51	0.034	37	0.034	44	0.034	31	0.034
Oxygen/Argon	ND	1.7	3.4	1.7	2.0	1.7	2.5	1.7
Nitrogen	ND	3.4	38	3.4	11	3.4	44	3.4
Methane	18	0.0034	9.6	0.0034	5.9	0.0034	13	0.0034
Carbon Monoxide	0.099	0.0034	0.026	0.0034	0.062	0.0034	0.010	0.0034

Results normalized including non-methane hydrocarbons

ND = Not Detected (below RL)
RL = Reporting Limit
d = Analyzed by secondary analysis, batch number 200723GC8A1

Reviewed/Approved By: _____ Date 7-24-20

Mark Johnson
Operations Manager

The cover letter is an integral part of this analytical report

18501 E. Gale Avenue, Suite 130 ♦ City of Industry, CA 91748 ♦ Ph: (626) 964-4032 ♦ Fx: (626) 964-5832

Client: Republic Services
Attn: Mike Lambrich
Project Name: Bridgeton Landfill
Project No.: NA
Date Received: 07/16/20
Matrix: Air
Reporting Units: % v/v

ASTM D1946

Lab No.:	L071706-117		L071706-118		L071706-119		L071706-120	
Client Sample I.D.:	GEW 88		GEW 230		GEW 67A		GEW 149	
Date/Time Sampled:	7/14/20 14:23		7/14/20 14:33		7/14/20 14:41		7/14/20 14:51	
Date/Time Analyzed:	7/22/20 19:52		7/22/20 22:03		7/22/20 22:18		7/22/20 22:32	
QC Batch No.:	200722GC8A1		200722GC8A2		200722GC8A2		200722GC8A2	
Analyst Initials:	CM		CM		CM		CM	
Dilution Factor:	3.4		3.4		3.4		3.4	
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	43	3.4	10	3.4	22	3.4	0.16 d	0.034
Carbon Dioxide	46	0.034	30	0.034	40	0.034	29	0.034
Oxygen/Argon	ND	1.7	2.6	1.7	2.9	1.7	ND	1.7
Nitrogen	6.7	3.4	53	3.4	18	3.4	60	3.4
Methane	1.8	0.0034	3.2	0.0034	16	0.0034	9.1	0.0034
Carbon Monoxide	0.10	0.0034	0.019	0.0034	0.028	0.0034	ND	0.0034

Results normalized including non-methane hydrocarbons

ND = Not Detected (below RL)
RL = Reporting Limit
d = Analyzed by secondary analysis, batch number 200723GC8A1

Reviewed/Approved By: _____ Date 7-24-20

Mark Johnson
Operations Manager

The cover letter is an integral part of this analytical report

AirTECHNOLOGY Laboratories, Inc.
18501 E. Gale Avenue, Suite 130 ♦ City of Industry, CA 91748 ♦ Ph: (626) 964-4032 ♦ Fx: (626) 964-5832

Client: Republic Services
Attn: Mike Lambrich
Project Name: Bridgeton Landfill
Project No.: NA
Date Received: 07/16/20
Matrix: Air
Reporting Units: % v/v

ASTM D1946

Lab No.:	L071706-121		L071706-122		L071706-123			
Client Sample I.D.:	GEW 90		GEW 239		GEW 129			
Date/Time Sampled:	7/14/20 15:06		7/14/20 15:15		7/14/20 15:40			
Date/Time Analyzed:	7/22/20 22:47		7/22/20 23:02		7/22/20 23:16			
QC Batch No.:	200722GC8A2		200722GC8A2		200722GC8A2			
Analyst Initials:	CM		CM		CM			
Dilution Factor:	3.4		3.4		3.4			
ANALYTE	Result % v/v	RL % v/v	Result % v/v	RL % v/v	Result % v/v	RL % v/v		
Hydrogen	21	3.4	43	3.4	1.3 d	0.034		
Carbon Dioxide	42	0.034	50	0.034	53	0.034		
Oxygen/Argon	ND	1.7	ND	1.7	ND	1.7		
Nitrogen	17	3.4	ND	3.4	8.4	3.4		
Methane	19	0.0034	1.3	0.0034	35	0.0034		
Carbon Monoxide	0.033	0.0034	0.095	0.0034	0.013	0.0034		

Results normalized including non-methane hydrocarbons

ND = Not Detected (below RL)
RL = Reporting Limit
d = Analyzed by secondary analysis, batch number 200723GC8A1

Reviewed/Approved By: _____ Date 7-24-20

Mark Johnson
Operations Manager

The cover letter is an integral part of this analytical report

AirTECHNOLOGY Laboratories, Inc.
18501 E. Gale Avenue, Suite 130 ♦ City of Industry, CA 91748 ♦ Ph: (626) 964-4032 ♦ Fx: (626) 964-5832

QC Batch No: 200720GC8A1
Matrix: Air
Reporting Units: % v/v

ASTM D1946
LABORATORY CONTROL SAMPLE SUMMARY

Lab No.:	METHOD BLANK			LCS		LCSD					
Date Analyzed:	7/20/20 9:18			7/20/20 9:49		7/20/20 10:09					
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	5.82	116	5.79	116	0.5	70	130	30
Carbon Dioxide	ND	0.010	10	10.7	107	10.9	109	1.3	70	130	30
Oxygen/Argon	ND	0.50	15	15.4	104	15.4	104	0.0	70	130	30
Nitrogen	ND	1.0	70	69.1	99	69.2	99	0.2	70	130	30
Methane	ND	0.0010	0.10	0.0991	99	0.0998	100	0.8	70	130	30
Carbon Monoxide	ND	0.0010	0.10	0.107	107	0.108	108	1.1	70	130	30

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

Reviewed/Approved By: _____ Date 7-24-20
Mark Johnson
Operations Manager

The cover letter is an integral part of this analytical report

QC Batch No: 200720GC8A2
Matrix: Air
Reporting Units: % v/v

ASTM D1946
LABORATORY CONTROL SAMPLE SUMMARY

Lab No.:	METHOD BLANK			LCS		LCSD					
Date Analyzed:	7/20/20 17:16			7/20/20 16:33		7/20/20 16:47					
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	5.26	105	5.27	105	0.0	70	130	30
Carbon Dioxide	ND	0.010	10	10.2	102	10.4	104	2.1	70	130	30
Oxygen/Argon	ND	0.50	15	15.0	101	15.3	103	2.0	70	130	30
Nitrogen	ND	1.0	70	67.1	96	68.5	98	2.0	70	130	30
Methane	ND	0.0010	0.10	0.0992	99	0.0988	99	0.4	70	130	30
Carbon Monoxide	ND	0.0010	0.10	0.107	107	0.106	106	0.3	70	130	30

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

Reviewed/Approved By: _____ Date 7-24-20

Mark Johnson
Operations Manager

The cover letter is an integral part of this analytical report

QC Batch No: 200721GC8A1
Matrix: Air
Reporting Units: % v/v

ASTM D1946
LABORATORY CONTROL SAMPLE SUMMARY

Lab No.:	METHOD BLANK			LCS		LCSD					
Date Analyzed:	7/21/20 0:04			7/20/20 23:21		7/20/20 23:35					
Analyst Initials:	CM			CM		CM					
Dilution Factor:	1.0			1.0		1.0			Limits		
ANALYTE	Result % v/v	RL % v/v	SPIKE AMT. % v/v	Result % v/v	% Rec.	Result % v/v	% Rec.	RPD %	Low %Rec	High %Rec	Max. RPD
Hydrogen	ND	1.0	5.0	4.90	98	4.89	98	0.2	70	130	30
Carbon Dioxide	ND	0.010	10	10.4	103	10.4	103	0.0	70	130	30
Oxygen/Argon	ND	0.50	15	15.6	105	15.6	105	0.0	70	130	30
Nitrogen	ND	1.0	70	69.3	99	69.3	99	0.0	70	130	30
Methane	ND	0.0010	0.10	0.0963	96	0.0958	96	0.5	70	130	30
Carbon Monoxide	ND	0.0010	0.10	0.104	104	0.104	104	0.2	70	130	30

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

Reviewed/Approved By: _____ Date 7-24-20
Mark Johnson
Operations Manager

The cover letter is an integral part of this analytical report

QC Batch No: 200721GC8A2
Matrix: Air
Reporting Units: % v/v

ASTM D1946
LABORATORY CONTROL SAMPLE SUMMARY

Lab No.:	METHOD BLANK			LCS		LCSD					
Date Analyzed:	7/21/20 16:11			7/21/20 15:27		7/21/20 15:42					
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	5.79	116	5.81	116	0.3	70	130	30
Carbon Dioxide	ND	0.010	10	10.6	106	10.7	107	1.1	70	130	30
Oxygen/Argon	ND	0.50	15	15.2	103	15.3	103	0.4	70	130	30
Nitrogen	ND	1.0	70	68.7	98	69.0	99	0.4	70	130	30
Methane	ND	0.0010	0.10	0.101	101	0.101	101	0.0	70	130	30
Carbon Monoxide	ND	0.0010	0.10	0.111	111	0.111	111	0.2	70	130	30

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

Reviewed/Approved By: _____ **Date** 7-24-20

Mark Johnson
Operations Manager

The cover letter is an integral part of this analytical report

QC Batch No: 200721GC8A3
Matrix: Air
Reporting Units: % v/v

ASTM D1946
LABORATORY CONTROL SAMPLE SUMMARY

Lab No.:	METHOD BLANK			LCS		LCSD					
Date Analyzed:	7/21/20 22:45			7/21/20 22:02		7/21/20 22:16					
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	5.66	113	5.65	113	0.1	70	130	30
Carbon Dioxide	ND	0.010	10	10.6	106	10.7	106	0.1	70	130	30
Oxygen/Argon	ND	0.50	15	15.2	103	15.2	103	0.2	70	130	30
Nitrogen	ND	1.0	70	68.7	98	68.9	98	0.2	70	130	30
Methane	ND	0.0010	0.10	0.0997	100	0.0993	99	0.4	70	130	30
Carbon Monoxide	ND	0.0010	0.10	0.108	108	0.108	108	0.2	70	130	30

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

Reviewed/Approved By: _____ Date 7-24-20
Mark Johnson
Operations Manager

The cover letter is an integral part of this analytical report

QC Batch No: 200722GC8A1
Matrix: Air
Reporting Units: % v/v

ASTM D1946
LABORATORY CONTROL SAMPLE SUMMARY

Lab No.:	METHOD BLANK			LCS		LCSD					
Date Analyzed:	7/22/20 14:51			7/22/20 14:07		7/22/20 14:22					
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	5.43	109	5.23	105	3.7	70	130	30
Carbon Dioxide	ND	0.010	10	10.3	103	10.2	102	1.3	70	130	30
Oxygen/Argon	ND	0.50	15	15.2	102	15.2	103	0.3	70	130	30
Nitrogen	ND	1.0	70	68.3	98	68.7	98	0.6	70	130	30
Methane	ND	0.0010	0.10	0.0995	100	0.0983	98	1.2	70	130	30
Carbon Monoxide	ND	0.0010	0.10	0.109	109	0.107	107	1.0	70	130	30

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

Reviewed/Approved By: _____ Date 7-24-20
Mark Johnson
Operations Manager

The cover letter is an integral part of this analytical report

QC Batch No: 200722GC8A2
Matrix: Air
Reporting Units: % v/v

ASTM D1946
LABORATORY CONTROL SAMPLE SUMMARY

Lab No.:	METHOD BLANK			LCS		LCSD					
Date Analyzed:	7/22/20 21:49			7/22/20 21:05		7/22/20 21:20					
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	5.26	105	5.26	105	0.1	70	130	30
Carbon Dioxide	ND	0.010	10	10.4	104	10.3	103	0.8	70	130	30
Oxygen/Argon	ND	0.50	15	15.4	104	15.3	103	0.3	70	130	30
Nitrogen	ND	1.0	70	69.1	99	69.1	99	0.0	70	130	30
Methane	ND	0.0010	0.10	0.0982	98	0.0979	98	0.3	70	130	30
Carbon Monoxide	ND	0.0010	0.10	0.107	107	0.107	107	0.2	70	130	30

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

Reviewed/Approved By: _____ Date 7-24-20
Mark Johnson
Operations Manager

The cover letter is an integral part of this analytical report

QC Batch No: 200724GC8A2
Matrix: Air
Reporting Units: % v/v

ASTM D1946
LABORATORY CONTROL SAMPLE SUMMARY

Lab No.:	METHOD BLANK			LCS		LCSD					
Date Analyzed:	7/24/20 15:39			7/24/20 14:55		7/24/20 15:10					
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	5.80	116	5.60	112	3.5	70	130	30
Carbon Dioxide	ND	0.010	10	10.2	102	10.4	103	1.6	70	130	30
Oxygen/Argon	ND	0.50	15	14.9	101	15.1	102	1.3	70	130	30
Nitrogen	ND	1.0	70	68.0	97	68.8	98	1.2	70	130	30
Methane	ND	0.0010	0.10	0.0982	98	0.0981	98	0.1	70	130	30
Carbon Monoxide	ND	0.0010	0.10	0.105	105	0.105	105	0.1	70	130	30

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

Reviewed/Approved By: _____ Date 7-24-20
Mark Johnson
Operations Manager

The cover letter is an integral part of this analytical report

QC Batch No: 200723GC8A1
Matrix: Air
Reporting Units: % v/v

ASTM D1946 Low Level Hydrogen
LABORATORY CONTROL SAMPLE SUMMARY

Lab No.:	METHOD BLANK			LCS		LCSD					
Date Analyzed:	7/23/20 11:51			7/23/20 11:41		7/23/20 11:46					
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	0.813	81	0.814	81	0.1	70	130	30

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

Reviewed/Approved By: _____ Date 7-24-20
Mark Johnson
Operations Manager

The cover letter is an integral part of this analytical report

QC Batch No: 200723GC8A2
Matrix: Air
Reporting Units: % v/v

ASTM D1946 Low Level Hydrogen
LABORATORY CONTROL SAMPLE SUMMARY

Lab No.:	METHOD BLANK			LCS		LCSD					
Date Analyzed:	7/23/20 14:04			7/23/20 13:55		7/23/20 14:00					
Analyst Initials:	CM			CM		CM					
Dilution Factor:	1.0			1.0		1.0			Limits		
ANALYTE	Result % v/v	RL % v/v	SPIKE AMT. % v/v	Result % v/v	% Rec.	Result % v/v	% Rec.	RPD %	Low %Rec	High %Rec	Max. RPD
Hydrogen	ND	0.010	1.0	1.02	102	0.867	87	16.5	70	130	30

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

Reviewed/Approved By: _____ Date 7-24-20

Mark Johnson
Operations Manager

The cover letter is an integral part of this analytical report

QC Batch No: 200723GC8A3
Matrix: Air
Reporting Units: % v/v

ASTM D1946 Low Level Hydrogen
LABORATORY CONTROL SAMPLE SUMMARY

Lab No.:	METHOD BLANK			LCS		LCSD					
Date Analyzed:	7/23/20 16:15			7/23/20 16:05		7/23/20 16:10					
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	0.977	98	0.972	97	0.5	70	130	30

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

Reviewed/Approved By: _____ Date 7-24-20

Mark Johnson
Operations Manager

The cover letter is an integral part of this analytical report

QC Batch No: 200724GC8A1
Matrix: Air
Reporting Units: % v/v

ASTM D1946 Low Level Hydrogen
LABORATORY CONTROL SAMPLE SUMMARY

Lab No.:	METHOD BLANK			LCS		LCSD					
Date Analyzed:	7/24/20 13:36			7/24/20 13:26		7/24/20 13:31					
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	0.802	80	0.801	80	0.2	70	130	30

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

Reviewed/Approved By: _____ Date 7-24-20

Mark Johnson
Operations Manager

The cover letter is an integral part of this analytical report

AirTECHNOLOGY
Laboratories, Inc.

July 28, 2020

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

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

LABORATORY TEST RESULTS

Project Reference: Bridgeton Landfill
Lab Number: L072004-01/24

Enclosed are results for sample(s) received 7/20/20 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 7/27/20.

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,

Mark Johnson
Operations Manager
MJohnson@AirTechLabs.com

Enclosures

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

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: 1 OF 13
Standard	☐	48 hours	☐	EDD	■	Condition upon receipt:
Same Day	☐	72 hours	☐	EDF	☐	Sealed Yes ☐ No ☐
24 hours	☐	96 hours	☐	Level 3	☐	Intact Yes ☐ No ☐
Other:	5 Day			Level 4	☐	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

LAB USE ONLY	Cannister Pressure ("hg)			SAMPLE IDENTIFICATION	SAMPLE DATE	SAMPLE TIME	CONTAINER QTY/TYPE	MATRIX	PRESERVATION	ANALYSIS REQUEST: D1946 + CO, H2					
	Cannister ID	Sample Start	Sample End												
L072004-01	A7781	-20.5	-5	GIW1	7/15/2020	7:26	C	LFG	NA	X					5
-02	A7662	-20.2	-5	GIW2	7/15/2020	7:36	C	LFG	NA	X					5
-03	6146	-20.3	-5	GIW3	7/15/2020	7:45	C	LFG	NA	X					5
-04	3131	-20.1	-5	GIW4	7/15/2020	7:54	C	LFG	NA	X					5
-05	A7810	-20.3	-5	GIW5	7/15/2020	8:04	C	LFG	NA	X					5
-06	6156	-20.4	-5	GIW6	7/15/2020	8:13	C	LFG	NA	X					5
-07	A7767	-20.4	-5	GIW7	7/15/2020	8:23	C	LFG	NA	X					5
-08	A7759	-20.4	-5	GIW8	7/15/2020	8:32	C	LFG	NA	X					5
-09	A8064	-20.1	-5	GIW9	7/15/2020	8:40	C	LFG	NA	X					5
-10	A7748	-20.2	-5	GIW10	7/15/2020	8:50	C	LFG	NA	X					5

AUTHORIZATION TO PERFORM WORK: Dave Penoyer	COMPANY: Republic Services		
SAMPLED BY: Andy Guthrie	COMPANY: Hunt Enviornmental Services		DATE/TIME
RELINQUISHED BY: Andy Guthrie	DATE/TIME	RECEIVED BY	DATE/TIME
RELINQUISHED BY: Fed ex	DATE/TIME 7/20/20	RECEIVED BY	DATE/TIME 7/20/20 0945
RELINQUISHED BY	DATE/TIME	RECEIVED BY	DATE/TIME

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

COMMENTS

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

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

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

DELIVERABLES: EDD ■ | EDF ☐ | Level 3 ☐ | Level 4 ☐

PAGE: 21 OF 23

Condition upon receipt: AW
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

LAB USE ONLY	Cannister Pressure ("hg)			SAMPLE IDENTIFICATION	SAMPLE DATE	SAMPLE TIME	CONTAINER QTY/TYPE	MATRIX	PRESERVATION	D1946 + CO, H2					INITIAL CAN VAC "Hg
	Cannister ID	Sample Start	Sample End												
L072004-11	A8065	-20.2	-3.91	GIW11	7/15/2020	8:59	C	LFG	NA	X					4
-12	A7753	-20.3	-5	GIW12	7/15/2020	9:10	C	LFG	NA	X					5
-13	5822	-20.2	-5	GIW13	7/15/2020	10:19	C	LFG	NA	X					5
-14	A7816	-20.2	-5	GEW110	7/15/2020	10:28	C	LFG	NA	X					5
-15	3157	-19.9	-5	GEW10	7/15/2020	10:38	C	LFG	NA	X					5
-16	A8072	-19.9	-5	GEW56R	7/15/2020	13:55	C	LFG	NA	X					6
-17	A8059	-20	-5	GEW162	7/15/2020	14:08	C	LFG	NA	X					6
-18	5271	-20.1	-5	GEW161	7/15/2020	14:19	C	LFG	NA	X					6
-19	5316	-20.2	-5	GEW160	7/15/2020	14:28	C	LFG	NA	X					6
-20	4644	-20.2	-5	GEW91	7/15/2020	14:40	C	LFG	NA	X					6

AUTHORIZATION TO PERFORM WORK: Dave Penoyer COMPANY: Republic Services

SAMPLED BY: Andy Guthrie COMPANY: Hunt Enviornmental Services DATE/TIME

RELINQUISHED BY	DATE/TIME	RECEIVED BY	DATE/TIME
Andy Guthrie			
FedEx	7/23/20		7/24/20 0945

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

COMMENTS

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

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

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: 3 OF 3
Standard	☐	48 hours	☒	EDD	■	Condition upon receipt:
Same Day	☐	72 hours	☐	EDF	☐	Sealed Yes ☐ No ☐
24 hours	☐	96 hours	☐	Level 3	☐	Intact Yes ☐ No ☐
Other:	5 Day			Level 4	☐	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

LAB USE ONLY	Cannister Pressure ("hg)			SAMPLE IDENTIFICATION	SAMPLE DATE	SAMPLE TIME	CONTAINER QTY/TYPE	MATRIX	PRESERVATION	ANALYSIS REQUEST: D1946 + CO, H2					
	Cannister ID	Sample Start	Sample End												
L072004-21	5836	-20.3	-5	GEW108	7/17/2020	8:23	C	LFG	NA	X					5
-22	A8067	-20.6	-5	GEW187	7/17/2020	8:34	C	LFG	NA	X					5
-23	A7798	-20.5	-5	GEW109	7/17/2020	~~9:14~~ 9:24	C	LFG	NA	X					5
-24	A8096	-20.4	-5	GEW39	7/17/2020	~~9:24~~ 9:35	C	LFG	NA	X					5
							C	LFG	NA						
							C	LFG	NA						
							C	LFG	NA						
							C	LFG	NA						
							C	LFG	NA						
							C	LFG	NA						

INITIAL LABVMC "45

AUTHORIZATION TO PERFORM WORK: Dave Penoyer COMPANY: Republic Services

SAMPLED BY: Andy Guthrie COMPANY: Hunt Enviornmental Services DATE/TIME

RELINQUISHED BY	DATE/TIME	RECEIVED BY	DATE/TIME
Andy Guthrie			
Fed ex	7/20/20	[illegible]	7/20/20 1945

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

COMMENTS
* TIME ON CAN TAG 7/21/20

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

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

Client: Republic Services
Attn: Mike Lambrich
Project Name: Bridgeton Landfill
Project No.: NA
Date Received: 07/20/20
Matrix: Air
Reporting Units: % v/v

ASTM D1946

Lab No.:	L072004-01		L072004-02		L072004-03		L072004-04	
Client Sample I.D.:	GIW1		GIW2		GIW3		GIW4	
Date/Time Sampled:	7/15/20 7:26		7/15/20 7:36		7/15/20 7:45		7/15/20 7:54	
Date/Time Analyzed:	7/24/20 18:23		7/24/20 18:38		7/24/20 18:52		7/24/20 19:07	
QC Batch No.:	200724GC8A3		200724GC8A3		200724GC8A3		200724GC8A3	
Analyst Initials:	CM		CM		CM		CM	
Dilution Factor:	3.2		3.2		3.2		3.2	
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	9.4	3.2	16	3.2	11	3.2	20	3.2
Carbon Dioxide	56	0.032	48	0.032	43	0.032	46	0.032
Oxygen/Argon	ND	1.6	3.3	1.6	ND	1.6	ND	1.6
Nitrogen	4.0	3.2	25	3.2	25	3.2	9.7	3.2
Methane	30	0.0032	7.6	0.0032	20	0.0032	22	0.0032
Carbon Monoxide	0.025	0.0032	0.064	0.0032	0.033	0.0032	0.047	0.0032

Results normalized including non-methane hydrocarbons

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

Reviewed/Approved By: _____ Date 7-27-20
Mark Johnson
Operations Manager

The cover letter is an integral part of this analytical report

18501 E. Gale Avenue, Suite 130 ♦ City of Industry, CA 91748 ♦ Ph: (626) 964-4032 ♦ Fx: (626) 964-5832

Client: Republic Services
Attn: Mike Lambrich
Project Name: Bridgeton Landfill
Project No.: NA
Date Received: 07/20/20
Matrix: Air
Reporting Units: % v/v

ASTM D1946

Lab No.:	L072004-05		L072004-06		L072004-07		L072004-08	
Client Sample I.D.:	GIW5		GIW6		GIW7		GIW8	
Date/Time Sampled:	7/15/20 8:04		7/15/20 8:13		7/15/20 8:23		7/15/20 8:32	
Date/Time Analyzed:	7/24/20 19:21		7/24/20 19:36		7/24/20 19:50		7/24/20 20:05	
QC Batch No.:	200724GC8A3		200724GC8A3		200724GC8A3		200724GC8A3	
Analyst Initials:	CM		CM		CM		CM	
Dilution Factor:	3.2		3.2		3.2		3.2	
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	10	3.2	2.8 d	0.032	ND d	0.032	ND d	0.032
Carbon Dioxide	39	0.032	41	0.032	47	0.032	45	0.032
Oxygen/Argon	1.7	1.6	ND	1.6	ND	1.6	ND	1.6
Nitrogen	19	3.2	22	3.2	4.2	3.2	9.4	3.2
Methane	30	0.0032	33	0.0032	48	0.0032	45	0.0032
Carbon Monoxide	0.011	0.0032	ND	0.0032	ND	0.0032	ND	0.0032

Results normalized including non-methane hydrocarbons

ND = Not Detected (below RL)
RL = Reporting Limit
d = Analyzed by secondary analysis, batch number 200725GC8A2

Reviewed/Approved By: _____ Date 7-27-20

Mark Johnson
Operations Manager

The cover letter is an integral part of this analytical report

18501 E. Gale Avenue, Suite 130 ♦ City of Industry, CA 91748 ♦ Ph: (626) 964-4032 ♦ Fx: (626) 964-5832

Client: Republic Services
Attn: Mike Lambrich
Project Name: Bridgeton Landfill
Project No.: NA
Date Received: 07/20/20
Matrix: Air
Reporting Units: % v/v

ASTM D1946

Lab No.:	L072004-09		L072004-10		L072004-11		L072004-12	
Client Sample I.D.:	GIW9		GIW10		GIW11		GIW12	
Date/Time Sampled:	7/15/20 8:40		7/15/20 8:50		7/15/20 8:59		7/15/20 9:10	
Date/Time Analyzed:	7/24/20 20:19		7/24/20 20:34		7/24/20 20:48		7/24/20 21:03	
QC Batch No.:	200724GC8A3		200724GC8A3		200724GC8A3		200724GC8A3	
Analyst Initials:	CM		CM		CM		CM	
Dilution Factor:	3.2		3.2		3.0		3.2	
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	9.2	3.2	6.5	3.2	1.9 d	0.030	2.4 d	0.032
Carbon Dioxide	39	0.032	33	0.032	34	0.030	36	0.032
Oxygen/Argon	ND	1.6	ND	1.6	ND	1.5	2.2	1.6
Nitrogen	25	3.2	35	3.2	40	3.0	30	3.2
Methane	25	0.0032	24	0.0032	23	0.0030	29	0.0032
Carbon Monoxide	0.0089	0.0032	0.0084	0.0032	0.0083	0.0030	0.0073	0.0032

Results normalized including non-methane hydrocarbons

ND = Not Detected (below RL)
RL = Reporting Limit
d = Analyzed by secondary analysis, batch number 200725GC8A2

Reviewed/Approved By: _____ Date 7-27-20

Mark Johnson
Operations Manager

The cover letter is an integral part of this analytical report

18501 E. Gale Avenue, Suite 130 ♦ City of Industry, CA 91748 ♦ Ph: (626) 964-4032 ♦ Fx: (626) 964-5832

Client: Republic Services
Attn: Mike Lambrich
Project Name: Bridgeton Landfill
Project No.: NA
Date Received: 07/20/20
Matrix: Air
Reporting Units: % v/v

ASTM D1946

Lab No.:	L072004-13		L072004-14		L072004-15		L072004-16	
Client Sample I.D.:	GIW13		GEW110		GEW10		GEW56R	
Date/Time Sampled:	7/15/20 10:19		7/15/20 10:28		7/15/20 10:38		7/15/20 13:55	
Date/Time Analyzed:	7/24/20 21:17		7/24/20 21:32		7/24/20 21:47		7/24/20 22:01	
QC Batch No.:	200724GC8A3		200724GC8A3		200724GC8A3		200724GC8A3	
Analyst Initials:	CM		CM		CM		CM	
Dilution Factor:	3.2		3.2		3.2		3.4	
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	4.2 d	0.032	7.1	3.2	0.056 d	0.032	2.7 d	0.034
Carbon Dioxide	47	0.032	47	0.032	43	0.032	45	0.034
Oxygen/Argon	ND	1.6	ND	1.6	ND	1.6	ND	1.7
Nitrogen	6.5	3.2	ND	3.2	3.5	3.2	6.9	3.4
Methane	42	0.0032	42	0.0032	52	0.0032	45	0.0034
Carbon Monoxide	0.0062	0.0032	0.0090	0.0032	ND	0.0032	0.0053	0.0034

Results normalized including non-methane hydrocarbons

ND = Not Detected (below RL)
RL = Reporting Limit
d = Analyzed by secondary analysis, batch number 200725GC8A2

Reviewed/Approved By: _____ Date 7-27-20

Mark Johnson
Operations Manager

The cover letter is an integral part of this analytical report

18501 E. Gale Avenue, Suite 130 ♦ City of Industry, CA 91748 ♦ Ph: (626) 964-4032 ♦ Fx: (626) 964-5832

Client: Republic Services
Attn: Mike Lambrich
Project Name: Bridgeton Landfill
Project No.: NA
Date Received: 07/20/20
Matrix: Air
Reporting Units: % v/v

ASTM D1946

Lab No.:	L072004-17		L072004-18		L072004-19		L072004-20	
Client Sample I.D.:	GEW162		GEW161		GEW160		GEW91	
Date/Time Sampled:	7/15/20 14:08		7/15/20 14:19		7/15/20 14:28		7/15/20 14:40	
Date/Time Analyzed:	7/24/20 22:16		7/24/20 22:31		7/24/20 22:45		7/24/20 23:00	
QC Batch No.:	200724GC8A3		200724GC8A3		200724GC8A3		200724GC8A3	
Analyst Initials:	CM		CM		CM		CM	
Dilution Factor:	3.4		3.4		3.4		3.4	
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	13	3.4	37	3.4	12	3.4	36	3.4
Carbon Dioxide	58	0.034	49	0.034	37	0.034	49	0.034
Oxygen/Argon	ND	1.7	ND	1.7	ND	1.7	2.0	1.7
Nitrogen	14	3.4	7.3	3.4	27	3.4	7.5	3.4
Methane	13	0.0034	4.9	0.0034	22	0.0034	2.0	0.0034
Carbon Monoxide	0.042	0.0034	0.11	0.0034	0.023	0.0034	0.032	0.0034

Results normalized including non-methane hydrocarbons

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

Reviewed/Approved By: _____ Date 7-27-20

Mark Johnson
Operations Manager

The cover letter is an integral part of this analytical report

18501 E. Gale Avenue, Suite 130 ♦ City of Industry, CA 91748 ♦ Ph: (626) 964-4032 ♦ Fx: (626) 964-5832

Client: Republic Services
Attn: Mike Lambrich
Project Name: Bridgeton Landfill
Project No.: NA
Date Received: 07/20/20
Matrix: Air
Reporting Units: % v/v

ASTM D1946

Lab No.:	L072004-21		L072004-22		L072004-23		L072004-24	
Client Sample I.D.:	GEW108		GEW187		GEW109		GEW39	
Date/Time Sampled:	7/17/20 8:23		7/17/20 8:34		7/17/20 8:44		7/17/20 9:34	
Date/Time Analyzed:	7/25/20 13:19		7/25/20 13:34		7/25/20 13:48		7/25/20 14:03	
QC Batch No.:	200725GC8A1		200725GC8A1		200725GC8A1		200725GC8A1	
Analyst Initials:	CM		CM		CM		CM	
Dilution Factor:	3.2		3.2		3.2		3.2	
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	12	3.2	1.4 d	0.032	0.41 d	0.032	ND d	0.032
Carbon Dioxide	47	0.032	53	0.032	42	0.032	25	0.032
Oxygen/Argon	ND	1.6	ND	1.6	2.1	1.6	6.9	1.6
Nitrogen	ND	3.2	ND	3.2	16	3.2	47	3.2
Methane	38	0.0032	43	0.0032	40	0.0032	20	0.0032
Carbon Monoxide	0.019	0.0032	0.0050	0.0032	ND	0.0032	ND	0.0032

Results normalized including non-methane hydrocarbons

ND = Not Detected (below RL)
RL = Reporting Limit
d = Analyzed by secondary analysis, batch number 200725GC8A2

Reviewed/Approved By: _____ Date 7-27-20

Mark Johnson
Operations Manager

The cover letter is an integral part of this analytical report

18501 E. Gale Avenue, Suite 130 ♦ City of Industry, CA 91748 ♦ Ph: (626) 964-4032 ♦ Fx: (626) 964-5832

QC Batch No: 200724GC8A3
Matrix: Air
Reporting Units: % v/v

ASTM D1946
LABORATORY CONTROL SAMPLE SUMMARY

Lab No.:	METHOD BLANK			LCS		LCSD					
Date Analyzed:	7/24/20 17:54			7/24/20 17:25		7/24/20 17:39					
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	5.53	111	5.47	109	1.1	70	130	30
Carbon Dioxide	ND	0.010	10	10.4	104	10.3	103	0.8	70	130	30
Oxygen/Argon	ND	0.50	15	15.1	102	15.0	101	0.5	70	130	30
Nitrogen	ND	1.0	70	68.6	98	68.2	97	0.5	70	130	30
Methane	ND	0.0010	0.10	0.100	100	0.0986	99	1.5	70	130	30
Carbon Monoxide	ND	0.0010	0.10	0.107	107	0.106	106	1.2	70	130	30

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

Reviewed/Approved By: _____ Date 7-27-20
Mark Johnson
Operations Manager

The cover letter is an integral part of this analytical report

QC Batch No: 200725GC8A1
Matrix: Air
Reporting Units: % v/v

ASTM D1946
LABORATORY CONTROL SAMPLE SUMMARY

Lab No.:	METHOD BLANK			LCS		LCSD					
Date Analyzed:	7/25/20 13:05			7/25/20 12:36		7/25/20 12:50					
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	5.25	105	5.19	104	1.2	70	130	30
Carbon Dioxide	ND	0.010	10	10.2	102	10.2	102	0.2	70	130	30
Oxygen/Argon	ND	0.50	15	15.2	102	15.2	102	0.1	70	130	30
Nitrogen	ND	1.0	70	68.9	98	69.0	99	0.2	70	130	30
Methane	ND	0.0010	0.10	0.0970	97	0.0965	96	0.6	70	130	30
Carbon Monoxide	ND	0.0010	0.10	0.105	105	0.105	105	0.4	70	130	30

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

Reviewed/Approved By: _____ **Date** 7-27-20
Mark Johnson
Operations Manager

The cover letter is an integral part of this analytical report

QC Batch No: 200725GC8A2
Matrix: Air
Reporting Units: % v/v

ASTM D1946 Low Level Hydrogen
LABORATORY CONTROL SAMPLE SUMMARY

Lab No.:	METHOD BLANK			LCS		LCSD					
Date Analyzed:	7/25/20 15:54			7/25/20 15:44		7/25/20 15:49					
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	0.820	82	0.825	83	0.6	70	130	30

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

Reviewed/Approved By: _____ Date 7-27-20

Mark Johnson
Operations Manager

The cover letter is an integral part of this analytical report

ATTACHMENT D

GAS WELLFIELD DATA

ATTACHMENT D-1

WELLFIELD DATA TABLE

July 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_2O		
GEW-002	7/8/2020 1:30:40 PM	55.6	40.9	0.0	3.5	113.5	113.5	16.81	18.06	-0.41	-0.39	-13.94
GEW-002	7/8/2020 1:36:32 PM	55.2	40.4	0.0	4.4	113.2	113.2	14.99	19.78	-0.42	-0.42	-13.14
GEW-002	7/15/2020 9:12:13 AM	56.2	41.7	0.0	2.1	112.5	112.5	37.31	37.21	-0.73	-0.76	-13.35
GEW-002	7/15/2020 9:13:24 AM	56.3	42.0	0.0	1.7	112.7	112.5	34.67	35.60	-0.88	-0.88	-12.72
GEW-002	7/22/2020 9:58:48 AM	56.7	41.6	0.0	1.7	112.0	112.0	17.86	15.93	-0.72	-0.72	-13.40
GEW-002	7/29/2020 9:18:34 AM	55.1	41.7	0.0	3.2	113.2	113.2	18.93	17.55	-0.70	-0.71	-13.32
GEW-003	7/8/2020 1:40:04 PM	48.6	38.7	0.0	12.7	119.9	120.0	5.36	8.47	-0.20	-0.19	-13.61
GEW-003	7/8/2020 1:45:56 PM	48.6	38.7	0.0	12.7	119.4	119.4	7.09	7.09	-0.05	-0.07	-13.40
GEW-003	7/15/2020 9:16:41 AM	51.5	41.9	0.0	6.6	111.7	111.7	14.55	14.55	-0.16	-0.16	-13.23
GEW-003	7/22/2020 10:04:38 AM	48.9	41.3	0.0	9.8	116.6	116.6	6.57	5.37	-0.43	-0.40	-13.44
GEW-003	7/22/2020 10:05:54 AM	48.7	41.5	0.0	9.8	116.6	116.6	6.00	6.58	-0.36	-0.37	-13.14
GEW-003	7/29/2020 9:22:17 AM	49.4	41.0	0.0	9.6	116.6	116.8	8.41	8.51	-0.26	-0.24	-13.11
GEW-003	7/29/2020 9:23:40 AM	49.1	41.3	0.0	9.6	116.6	116.6	8.02	2.07	-0.15	-0.15	-13.45
GEW-004	7/8/2020 1:49:55 PM	52.4	39.1	0.0	8.5	114.6	114.7	9.70	15.22	-0.22	-0.21	-13.65
GEW-004	7/8/2020 1:56:26 PM	52.4	39.3	0.0	8.3	114.5	114.5	13.18	14.49	-0.21	-0.22	-13.77
GEW-004	7/15/2020 9:20:39 AM	53.5	41.0	0.0	5.5	112.5	112.5	14.03	13.77	-0.21	-0.19	-13.56
GEW-004	7/22/2020 10:08:36 AM	53.0	41.0	0.0	6.0	113.5	113.4	14.49	14.49	-0.53	-0.53	-13.27
GEW-004	7/29/2020 9:26:34 AM	52.5	40.6	0.0	6.9	113.5	113.5	8.88	9.66	-0.41	-0.40	-13.74
GEW-005	7/8/2020 2:24:26 PM	54.4	37.7	0.0	7.9	92.2	92.1	7.77	6.14	0.18	0.17	-13.77
GEW-005	7/8/2020 2:32:41 PM	54.8	38.1	0.0	7.1	92.7	92.7	9.90	6.73	0.16	0.16	-13.69
GEW-005	7/9/2020 8:48:53 AM	52.4	40.3	0.0	7.3	89.1	89.1	32.45	32.34	-0.13	-0.13	-13.14
GEW-005	7/15/2020 9:31:37 AM	55.2	38.9	0.0	5.9	86.4	86.4	23.27	19.34	-0.07	-0.05	-13.56
GEW-005	7/22/2020 10:17:55 AM	52.3	38.7	0.0	9.0	88.9	89.1	6.88	6.85	-0.22	-0.22	-13.82
GEW-005	7/29/2020 9:36:33 AM	52.6	38.6	0.0	8.8	91.9	92.4	6.11	6.97	-0.06	-0.05	-13.15
GEW-006	7/8/2020 2:54:19 PM	55.9	37.6	0.0	6.5	91.4	91.2	15.53	14.53	-0.24	-0.26	-14.15
GEW-006	7/8/2020 3:00:04 PM	55.7	37.5	0.0	6.8	90.3	90.3	18.23	15.06	-0.25	-0.24	-14.07
GEW-006	7/15/2020 9:38:05 AM	56.8	39.4	0.0	3.8	85.9	85.8	22.26	21.39	-0.36	-0.38	-13.40
GEW-006	7/22/2020 10:23:19 AM	55.8	39.5	0.0	4.7	86.5	86.5	16.99	16.31	-0.48	-0.48	-13.35
GEW-006	7/29/2020 9:42:59 AM	55.7	38.3	0.0	6.0	87.0	87.0	18.80	19.77	-0.39	-0.38	-13.53
GEW-007	7/7/2020 8:51:54 AM	56.5	39.8	0.0	3.7	95.9	96.0	8.52	7.63	-6.13	-6.00	-13.18
GEW-007	7/7/2020 8:57:50 AM	56.6	39.8	0.0	3.6	95.8	95.9	10.78	9.34	-6.26	-6.22	-13.48
GEW-007	7/15/2020 7:34:39 AM	56.9	40.8	0.0	2.3	93.9	93.9	13.53	15.79	-6.22	-6.22	-13.40
GEW-007	7/21/2020 8:08:54 AM	56.7	40.8	0.0	2.5	94.3	94.3	12.75	12.75	-6.09	-6.09	-13.40
GEW-007	7/29/2020 8:00:10 AM	56.2	40.2	0.0	3.6	94.9	95.0	9.69	12.60	-5.74	-5.74	-13.53
GEW-008	7/8/2020 8:30:17 AM	53.3	42.9	0.0	3.8	113.3	113.3	16.35	15.45	-0.92	-0.93	-13.31
GEW-008	7/8/2020 8:35:59 AM	53.2	42.6	0.0	4.2	113.5	113.6	17.21	17.21	-0.94	-0.94	-13.94
GEW-008	7/15/2020 7:38:23 AM	53.7	43.6	0.0	2.7	112.2	112.3	32.76	31.86	-0.84	-0.83	-13.48
GEW-008	7/21/2020 8:14:26 AM	53.4	43.3	0.0	3.3	112.5	112.5	13.26	12.12	-0.93	-0.92	-12.97
GEW-008	7/29/2020 8:03:20 AM	53.8	41.3	0.0	4.9	112.7	112.8	14.16	13.38	-0.94	-0.94	-13.83
GEW-009	7/8/2020 8:39:56 AM	51.0	41.7	0.0	7.3	122.1	122.1	12.82	13.09	-0.20	-0.20	-13.90

July 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_2O		
GEW-009	7/8/2020 8:45:57 AM	51.3	41.5	0.0	7.2	122.1	122.1	14.14	13.10	-0.18	-0.19	-13.48
GEW-009	7/15/2020 7:42:00 AM	51.8	42.7	0.0	5.5	121.1	121.0	27.04	26.09	-0.13	-0.12	-13.61
GEW-009	7/21/2020 8:18:10 AM	51.8	42.9	0.0	5.3	121.3	121.4	12.34	12.63	-0.22	-0.21	-12.97
GEW-009	7/29/2020 8:06:18 AM	51.5	41.8	0.0	6.7	121.8	121.9	9.95	8.41	-0.22	-0.23	-14.08
GEW-010	7/1/2020 9:24:04 AM	55.7	42.6	0.0	1.7	98.4	98.3	5.14	1.59	-5.49	-5.49	-18.73
GEW-010	7/7/2020 2:44:58 PM	55.7	42.2	0.0	2.1	105.9	105.8	2.47	3.83	-5.86	-5.86	-18.85
GEW-010	7/15/2020 10:35:19 AM	55.5	43.0	0.0	1.5	96.0	96.0	4.22	1.59	-5.37	-5.37	-18.79
GEW-010	7/15/2020 10:40:42 AM	55.6	41.8	0.0	2.6	96.7	96.5	4.64	2.76	-5.43	-5.43	-19.03
GEW-010	7/20/2020 11:05:21 AM	54.2	43.0	0.0	2.8	102.1	102.1	4.02	5.11	-5.31	-5.31	-17.69
GEW-010	7/29/2020 7:49:31 AM	54.3	43.1	0.0	2.6	97.4	97.4	3.11	3.11	-5.92	-5.92	-21.18
GEW-013A	7/14/2020 1:51:38 PM	11.0	37.0	2.2	49.8	166.1	166.1	49.83	50.13	-4.83	-4.85	-18.32
GEW-013A	7/14/2020 1:57:01 PM	11.1	36.5	2.2	50.2	166.6	166.1	49.71	49.94	-4.91	-4.85	-18.49
GEW-013A	7/27/2020 8:14:01 AM	2.9	27.9	12.1	57.1	175.8	175.3	62.29	62.23	-0.25	-0.23	-21.11
GEW-013A	7/27/2020 8:17:32 AM	2.8	27.8	12.1	57.3	175.3	175.3	61.69	61.61	-0.17	-0.17	-20.99
GEW-013A	7/27/2020 9:17:40 AM	9.7	49.8	1.6	38.9	182.7	182.7	57.82	57.87	-2.02	-1.91	-20.89
GEW-013A	7/27/2020 9:19:03 AM	9.7	50.2	1.6	38.5	182.7	182.7	58.04	57.79	-2.03	-2.13	-20.85
GEW-015	7/14/2020 11:42:37 AM	24.0	52.7	0.0	23.3	125.0	125.0	5.26	5.37	-3.40	-3.40	-18.32
GEW-015	7/14/2020 11:47:36 AM	25.3	52.1	0.0	22.6	125.6	125.6	6.07	4.02	-3.41	-3.39	-18.45
GEW-015	7/27/2020 11:27:24 AM	24.6	46.5	0.0	28.9	109.2	109.2	3.67	2.93	-3.29	-3.27	-21.05
GEW-016R	7/14/2020 11:26:14 AM	9.8	55.9	0.0	34.3	166.1	166.1	8.17	7.98	-2.93	-2.94	-17.99
GEW-016R	7/14/2020 11:31:27 AM	10.5	55.6	0.0	33.9	166.1	166.1	8.99	9.32	-2.97	-2.97	-18.58
GEW-016R	7/24/2020 9:54:19 AM	12.6	53.5	0.0	33.9	168.1	168.1	10.67	11.53	-3.05	-3.02	-19.09
GEW-016R	7/24/2020 9:55:14 AM	12.5	55.1	0.0	32.4	168.5	168.5	11.61	12.16	-3.00	-3.00	-19.16
GEW-018B	7/14/2020 10:16:56 AM	7.6	57.8	0.2	34.4	195.2	195.3	14.40	12.51	-2.25	-2.25	-18.49
GEW-018B	7/14/2020 10:22:26 AM	12.5	57.2	0.3	30.0	195.7	195.7	10.44	9.75	-2.36	-2.33	-18.32
GEW-018B	7/23/2020 2:41:49 PM	4.1	49.2	0.6	46.1	197.9	197.9	23.00	22.84	-3.13	-3.13	-19.16
GEW-018B	7/23/2020 2:43:17 PM	3.8	48.7	0.6	46.9	197.9	197.9	22.34	22.94	-3.11	-3.11	-19.16
GEW-019A	7/13/2020 4:08:20 PM	3.6	51.1	4.7	40.6	109.5	109.5	9.21	9.21	-18.27	-18.27	-18.66
GEW-019A	7/13/2020 4:13:33 PM	3.1	52.9	4.1	39.9	105.1	105.0	5.46	6.60	-18.27	-18.27	-18.83
GEW-019A	7/28/2020 8:00:54 AM	1.0	44.3	8.4	46.3	87.3	86.8	3.34	3.16	-14.03	-14.03	-18.85
GEW-019A	7/28/2020 8:02:05 AM	1.0	41.1	8.5	49.4	86.1	85.8	2.10	3.85	-14.03	-14.03	-18.67
GEW-019A	7/29/2020 9:53:47 AM	1.9	63.7	3.5	30.9	97.3	97.4	5.19	3.42	-17.90	-17.90	-19.66
GEW-039	7/1/2020 11:16:38 AM	24.7	30.8	2.1	42.4	107.3	107.2	8.58	9.00	-0.17	-0.17	-19.46
GEW-039	7/7/2020 3:20:17 PM	27.4	30.2	1.8	40.6	113.0	113.0	17.49	18.70	-0.23	-0.23	-19.46
GEW-039	7/17/2020 9:30:40 AM	20.6	25.0	5.5	48.9	112.7	112.7	10.10	13.50	-0.21	-0.20	-19.58
GEW-039	7/17/2020 9:38:21 AM	20.8	24.9	5.4	48.9	112.5	112.5	15.03	16.64	-0.22	-0.22	-19.58
GEW-039	7/20/2020 1:58:09 PM	27.7	32.8	0.6	38.9	112.2	112.2	13.77	15.98	-0.21	-0.20	-19.46
GEW-039	7/29/2020 8:16:30 AM	21.2	30.1	1.0	47.7	111.5	111.5	15.83	14.63	-0.21	-0.21	-21.66
GEW-040	7/8/2020 9:59:37 AM	51.7	35.2	0.0	13.1	100.2	100.6	5.45	5.61	-0.40	-0.40	-13.06
GEW-040	7/8/2020 10:05:46 AM	52.1	33.7	0.0	14.2	102.3	102.3	7.69	7.20	-0.16	-0.16	-12.81

July 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_2O**		
GEW-040	7/15/2020 8:28:57 AM	62.5	35.2	0.0	2.3	82.1	82.1	16.88	16.88	-0.05	-0.04	-12.85
GEW-040	7/15/2020 8:30:14 AM	62.5	35.6	0.0	1.9	82.1	82.1	9.22	8.80	-0.37	-0.36	-12.81
GEW-040	7/22/2020 9:06:29 AM	57.4	36.7	0.0	5.9	82.3	82.3	6.19	5.54	-0.38	-0.38	-13.14
GEW-040	7/29/2020 8:39:43 AM	53.9	35.0	0.0	11.1	89.1	89.3	6.70	5.47	-0.43	-0.43	-12.81
GEW-041R	7/8/2020 10:09:40 AM	51.0	35.5	0.0	13.5	107.4	107.5	8.56	7.66	-0.17	-0.17	-13.06
GEW-041R	7/8/2020 10:15:39 AM	51.3	35.8	0.0	12.9	109.1	109.2	8.11	7.65	-0.17	-0.17	-13.06
GEW-041R	7/15/2020 8:33:49 AM	53.5	36.3	0.0	10.2	88.2	88.2	17.00	19.30	-0.15	-0.16	-13.14
GEW-041R	7/22/2020 9:09:10 AM	54.1	36.1	0.0	9.8	89.8	89.9	8.70	7.78	-0.18	-0.17	-13.10
GEW-041R	7/29/2020 8:42:41 AM	53.1	35.6	0.0	11.3	95.5	95.6	7.70	8.17	-0.17	-0.17	-13.15
GEW-042R	7/8/2020 10:19:58 AM	54.7	39.1	0.0	6.2	107.0	107.0	9.70	9.70	-2.98	-2.97	-9.39
GEW-042R	7/8/2020 10:25:46 AM	54.1	38.5	0.0	7.4	107.6	107.7	8.50	9.31	-3.01	-2.96	-9.73
GEW-042R	7/15/2020 8:37:12 AM	56.1	39.3	0.0	4.6	104.5	104.5	12.95	13.22	-3.32	-3.33	-13.40
GEW-042R	7/22/2020 9:12:42 AM	56.8	40.6	0.0	2.6	105.0	105.2	9.32	12.55	-3.60	-3.58	-13.69
GEW-042R	7/29/2020 8:46:16 AM	55.4	39.0	0.0	5.6	105.7	105.7	11.50	8.61	-3.44	-3.43	-12.14
GEW-043R	7/8/2020 10:32:42 AM	54.1	40.2	0.0	5.7	116.6	116.8	24.84	24.41	-1.25	-1.24	-13.48
GEW-043R	7/8/2020 10:38:32 AM	53.8	40.5	0.0	5.7	116.6	116.7	35.44	36.63	-1.26	-1.26	-13.18
GEW-043R	7/15/2020 8:44:29 AM	55.8	40.7	0.0	3.5	114.8	114.8	32.77	33.96	-1.16	-1.13	-13.44
GEW-043R	7/22/2020 9:15:55 AM	55.9	40.7	0.0	3.4	115.1	115.0	13.41	15.17	-1.31	-1.32	-13.56
GEW-043R	7/29/2020 8:49:34 AM	55.0	39.8	0.0	5.2	115.8	115.8	16.44	11.63	-1.27	-1.27	-13.57
GEW-044	7/8/2020 10:43:41 AM	49.9	35.7	0.0	14.4	103.0	103.0	1.35	0.72	-0.09	-0.11	-13.02
GEW-044	7/8/2020 10:48:58 AM	49.8	35.6	0.0	14.6	102.0	101.9	1.14	1.02	-0.12	-0.12	-12.43
GEW-044	7/15/2020 8:49:46 AM	50.9	36.2	0.0	12.9	84.1	84.1	1.47	1.38	-0.12	-0.11	-13.14
GEW-044	7/22/2020 9:19:37 AM	53.4	37.0	0.0	9.6	86.8	86.8	1.46	1.46	-0.19	-0.19	-13.14
GEW-044	7/29/2020 8:56:33 AM	53.2	36.5	0.0	10.3	94.6	94.6	1.14	0.88	-0.14	-0.13	-13.11
GEW-045R	7/8/2020 11:04:27 AM	53.7	38.9	0.0	7.4	102.1	102.1	8.09	7.13	-3.92	-3.92	-13.02
GEW-045R	7/8/2020 11:09:43 AM	53.8	38.6	0.0	7.6	102.5	102.5	8.08	8.08	-3.99	-3.99	-13.10
GEW-045R	7/15/2020 8:57:59 AM	55.2	39.7	0.0	5.1	96.3	96.4	9.03	9.03	-3.62	-3.63	-13.14
GEW-045R	7/22/2020 9:30:56 AM	55.1	39.8	0.0	5.1	96.0	96.0	16.52	11.84	-2.96	-2.94	-13.14
GEW-045R	7/29/2020 9:04:43 AM	54.8	38.6	0.0	6.6	99.4	99.5	7.62	8.52	-2.88	-2.88	-13.15
GEW-046R	7/8/2020 11:35:58 AM	50.4	38.7	0.1	10.8	104.3	104.3	7.68	7.18	-0.13	-0.12	-13.10
GEW-046R	7/8/2020 11:42:35 AM	50.4	38.6	0.1	10.9	105.0	105.0	7.68	7.68	-0.12	-0.12	-12.97
GEW-046R	7/15/2020 9:01:30 AM	53.4	42.9	0.0	3.7	95.8	96.0	8.70	8.70	0.12	0.12	-13.14
GEW-046R	7/15/2020 9:03:02 AM	53.0	43.3	0.0	3.7	96.2	96.3	8.83	8.80	0.13	0.12	-13.14
GEW-046R	7/16/2020 7:05:58 AM	51.7	40.5	0.2	7.6	92.9	92.9	15.39	13.85	-0.23	-0.23	-13.10
GEW-046R	7/22/2020 1:39:15 PM	53.1	41.5	0.0	5.4	103.8	103.8	24.75	24.46	-0.03	-0.03	-13.56
GEW-046R	7/29/2020 9:08:29 AM	52.7	43.4	0.0	3.9	105.0	105.0	7.64	8.54	0.03	0.03	-13.15
GEW-046R	7/29/2020 9:10:35 AM	52.7	43.7	0.0	3.6	105.2	105.2	13.50	10.54	-0.01	-0.01	-13.15
GEW-047R	7/8/2020 2:10:02 PM	51.4	41.5	0.0	7.1	107.3	107.3	33.30	33.30	0.15	0.14	-13.18
GEW-047R	7/8/2020 2:19:49 PM	51.0	40.1	0.0	8.9	108.2	108.2	12.70	12.70	0.12	0.14	-13.44
GEW-047R	7/9/2020 8:52:33 AM	50.8	39.4	0.0	9.8	105.5	105.5	30.81	30.81	-0.16	-0.16	-12.76

July 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_2O**		
GEW-047R	7/15/2020 9:27:00 AM	52.2	41.5	0.0	6.3	103.3	103.5	6.71	5.50	-0.02	-0.02	-13.23
GEW-047R	7/22/2020 10:13:45 AM	51.0	41.2	0.0	7.8	106.2	106.5	3.88	3.88	-0.24	-0.24	-13.14
GEW-047R	7/29/2020 9:32:45 AM	51.5	40.8	0.0	7.7	106.8	106.7	8.52	8.52	-0.11	-0.11	-13.15
GEW-048	7/8/2020 2:35:55 PM	53.3	38.5	0.0	8.2	100.1	100.2	11.56	15.89	-0.16	-0.18	-14.45
GEW-048	7/8/2020 2:41:27 PM	53.5	38.3	0.0	8.2	100.8	100.8	16.11	14.67	-0.19	-0.17	-13.94
GEW-048	7/15/2020 9:35:16 AM	54.8	40.2	0.0	5.0	98.2	98.2	21.32	15.46	-0.44	-0.42	-13.61
GEW-048	7/22/2020 10:20:45 AM	54.5	39.6	0.0	5.9	99.3	99.2	13.35	15.17	-0.58	-0.60	-13.31
GEW-048	7/29/2020 9:39:46 AM	53.8	39.0	0.0	7.2	99.6	99.6	15.33	15.33	-0.46	-0.46	-13.74
GEW-049	7/8/2020 10:52:36 AM	49.9	38.5	0.0	11.6	103.5	103.5	2.72	3.84	-0.07	-0.07	-13.10
GEW-049	7/8/2020 10:58:14 AM	49.4	38.8	0.0	11.8	103.8	103.8	7.68	6.65	-0.09	-0.09	-13.02
GEW-049	7/15/2020 8:54:32 AM	51.6	39.7	0.0	8.7	91.1	91.1	19.84	17.18	-0.06	-0.04	-13.44
GEW-049	7/22/2020 9:22:49 AM	48.9	38.4	0.0	12.7	93.6	93.6	9.09	9.09	-0.15	-0.15	-13.14
GEW-049	7/22/2020 9:24:50 AM	48.6	38.7	0.0	12.7	94.1	94.1	5.48	4.75	-0.14	-0.14	-12.81
GEW-049	7/29/2020 9:00:29 AM	50.0	37.2	0.0	12.8	98.8	98.9	3.84	3.84	-0.08	-0.08	-12.85
GEW-050	7/7/2020 8:30:40 AM	55.2	37.8	0.0	7.0	103.5	103.8	6.65	10.16	-0.43	-0.49	-5.73
GEW-050	7/7/2020 8:37:19 AM	55.1	37.6	0.0	7.3	103.5	103.5	21.03	21.03	-0.45	-0.48	-6.82
GEW-050	7/15/2020 7:25:15 AM	56.6	39.2	0.0	4.2	100.3	100.4	28.97	29.22	-0.31	-0.29	-5.43
GEW-050	7/21/2020 8:03:07 AM	56.6	39.6	0.0	3.8	101.1	101.1	31.07	31.54	-0.35	-0.34	-6.82
GEW-050	7/29/2020 7:53:59 AM	56.1	38.7	0.0	5.2	102.1	102.1	8.12	8.97	-0.35	-0.35	-6.98
GEW-051	7/8/2020 8:51:16 AM	53.8	41.2	0.0	5.0	121.6	121.5	36.16	36.49	-0.41	-0.41	-13.10
GEW-051	7/8/2020 8:57:19 AM	53.9	41.0	0.0	5.1	121.8	121.8	10.00	8.86	-0.44	-0.43	-13.18
GEW-051	7/15/2020 7:47:32 AM	54.5	42.4	0.0	3.1	118.1	118.2	12.60	10.07	-0.40	-0.45	-12.72
GEW-051	7/21/2020 8:23:17 AM	54.3	42.3	0.0	3.4	119.4	119.6	20.61	23.84	-0.56	-0.57	-12.89
GEW-051	7/29/2020 8:15:43 AM	53.8	41.6	0.0	4.6	120.2	120.4	17.25	17.45	-0.54	-0.54	-13.11
GEW-052	7/7/2020 8:40:41 AM	51.3	36.9	0.0	11.8	109.8	109.7	4.68	3.82	-0.19	-0.18	-13.48
GEW-052	7/7/2020 8:47:20 AM	51.2	36.8	0.0	12.0	110.0	109.9	6.62	6.04	-0.15	-0.15	-13.61
GEW-052	7/15/2020 7:28:26 AM	52.9	38.4	0.0	8.7	106.0	106.0	22.87	22.54	-0.03	-0.03	-13.65
GEW-052	7/21/2020 8:06:05 AM	53.0	38.4	0.0	8.6	107.0	107.0	16.32	16.32	-0.13	-0.13	-13.14
GEW-052	7/29/2020 7:57:09 AM	52.5	38.1	0.0	9.4	108.7	108.7	7.61	6.59	-0.11	-0.11	-13.15
GEW-053	7/8/2020 9:05:02 AM	50.4	41.2	0.0	8.4	140.9	141.2	2.63	4.55	-0.44	-0.43	-13.27
GEW-053	7/8/2020 9:10:32 AM	50.4	41.4	0.0	8.2	141.3	141.3	13.40	13.40	-0.46	-0.46	-13.06
GEW-053	7/15/2020 7:54:33 AM	50.7	43.3	0.0	6.0	141.9	142.2	23.95	23.95	-0.37	-0.37	-13.10
GEW-053	7/15/2020 7:55:41 AM	50.5	43.3	0.0	6.2	141.5	141.2	19.69	19.34	-0.31	-0.32	-13.52
GEW-053	7/22/2020 7:56:23 AM	51.0	42.3	0.0	6.7	143.6	143.2	8.48	8.31	-0.69	-0.68	-13.61
GEW-053	7/22/2020 7:57:29 AM	50.4	43.3	0.0	6.3	143.8	143.9	10.49	11.12	-0.68	-0.68	-13.40
GEW-053	7/29/2020 8:22:25 AM	50.0	41.9	0.0	8.1	143.5	143.2	12.78	10.52	-0.56	-0.53	-13.28
GEW-053	7/29/2020 8:23:33 AM	50.0	42.6	0.0	7.4	143.2	143.3	11.38	10.11	-0.55	-0.56	-13.32
GEW-054	7/8/2020 9:14:06 AM	52.6	42.5	0.0	4.9	146.3	146.3	41.76	41.76	-3.99	-3.99	-12.59
GEW-054	7/8/2020 9:20:03 AM	52.4	42.0	0.0	5.6	146.3	146.3	35.48	42.48	-4.01	-4.00	-12.81
GEW-054	7/15/2020 7:59:17 AM	53.3	43.2	0.0	3.5	145.9	145.9	47.79	49.05	-4.02	-4.02	-13.06

July 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_2O**		
GEW-054	7/15/2020 8:01:44 AM	53.4	43.5	0.0	3.1	145.9	145.9	43.69	42.04	-3.80	-3.82	-12.97
GEW-054	7/22/2020 8:54:29 AM	53.9	43.0	0.0	3.1	146.3	146.3	40.61	40.61	-4.06	-4.06	-13.02
GEW-054	7/22/2020 8:56:06 AM	53.3	43.6	0.0	3.1	146.3	146.3	42.79	40.20	-4.03	-4.04	-12.93
GEW-054	7/29/2020 8:26:54 AM	52.5	43.0	0.0	4.5	146.0	146.0	46.56	46.37	-4.12	-4.19	-13.40
GEW-054	7/29/2020 8:28:11 AM	52.5	43.0	0.0	4.5	145.9	146.0	53.93	57.39	-4.42	-4.44	-13.78
GEW-055	7/8/2020 9:50:05 AM	52.6	41.5	0.0	5.9	130.0	130.2	6.95	7.50	-0.81	-0.79	-12.93
GEW-055	7/8/2020 9:55:41 AM	52.4	41.7	0.0	5.9	129.9	129.8	5.36	6.78	-0.77	-0.77	-12.72
GEW-055	7/15/2020 8:24:44 AM	53.5	42.4	0.0	4.1	128.3	128.0	7.67	2.38	-0.65	-0.66	-13.06
GEW-055	7/22/2020 9:03:32 AM	53.2	42.7	0.0	4.1	130.3	130.6	3.03	4.79	-0.93	-0.92	-12.72
GEW-055	7/29/2020 8:36:09 AM	52.5	41.9	0.0	5.6	129.4	129.4	7.55	6.32	-0.89	-0.89	-12.90
GEW-056R	7/1/2020 9:21:28 AM	49.0	43.0	0.0	8.0	107.0	107.0	3.88	2.96	-0.27	-0.26	-18.42
GEW-056R	7/7/2020 2:42:09 PM	45.5	41.1	0.1	13.3	118.3	118.1	6.94	5.49	-0.23	-0.23	-19.52
GEW-056R	7/15/2020 1:52:22 PM	47.8	42.5	0.1	9.6	107.7	107.7	1.58	1.12	-0.26	-0.26	-20.07
GEW-056R	7/15/2020 1:57:55 PM	47.9	42.4	0.0	9.7	111.2	111.2	3.33	2.94	-0.26	-0.25	-19.58
GEW-056R	7/20/2020 11:02:01 AM	47.0	42.2	0.0	10.8	115.6	115.8	1.91	1.10	-0.22	-0.21	-17.93
GEW-056R	7/29/2020 7:50:50 AM	43.5	40.9	0.0	15.6	116.0	116.1	1.67	1.26	-0.33	-0.33	-20.75
GEW-057B	7/10/2020 10:06:11 AM	1.3	41.5	7.8	49.4	176.4	176.4	12.14	12.18	-15.90	-15.90	-18.16
GEW-057B	7/10/2020 10:12:44 AM	2.4	44.7	5.5	47.4	176.9	176.4	12.12	12.39	-13.91	-13.91	-19.17
GEW-057B	7/21/2020 7:57:57 AM	3.6	46.3	1.8	48.3	157.7	157.7	3.34	2.47	-7.87	-7.87	-20.07
GEW-057B	7/21/2020 8:02:03 AM	3.3	48.4	1.7	46.6	160.2	159.8	3.01	2.66	-8.05	-8.05	-19.95
GEW-058A	7/9/2020 8:15:18 AM	9.3	38.2	1.5	51.0	133.8	133.8	4.69	4.57	-7.44	-7.44	-19.50
GEW-058A	7/9/2020 8:21:27 AM	9.4	36.8	1.5	52.3	133.2	133.3	4.92	4.80	-7.65	-7.70	-19.63
GEW-058A	7/20/2020 1:57:00 PM	10.7	38.7	0.1	50.5	125.1	125.5	3.01	3.36	-7.44	-7.44	-19.42
GEW-059R	7/6/2020 2:43:27 PM	14.5	40.3	0.0	45.2	136.3	136.4	3.90	3.90	-8.96	-8.96	-20.09
GEW-059R	7/6/2020 2:49:52 PM	14.6	40.8	0.0	44.6	137.1	137.1	4.16	5.60	-8.88	-8.92	-19.80
GEW-059R	7/20/2020 8:52:25 AM	17.6	37.2	0.2	45.0	133.2	133.5	4.81	4.92	-7.99	-7.99	-20.07
GEW-059R	7/20/2020 8:53:25 AM	17.2	38.5	0.0	44.3	134.4	134.7	4.32	5.83	-7.99	-7.99	-19.65
GEW-067A	7/14/2020 2:38:28 PM	30.4	45.5	0.0	24.1	139.9	139.9	10.55	10.36	-17.59	-17.59	-18.58
GEW-067A	7/14/2020 2:44:25 PM	35.7	44.8	0.0	19.5	139.6	139.8	9.97	9.97	-17.25	-17.25	-18.70
GEW-067A	7/27/2020 8:09:16 AM	31.9	39.6	0.3	28.2	79.4	79.2	4.11	2.79	-20.13	-20.13	-21.05
GEW-068A	7/13/2020 9:15:07 AM	4.0	60.6	0.1	35.3	197.9	197.9	20.49	17.53	-3.60	-3.67	-20.18
GEW-068A	7/13/2020 9:20:41 AM	4.4	66.5	0.1	29.0	198.6	198.6	26.47	22.05	-3.38	-3.23	-19.21
GEW-068A	7/22/2020 2:38:24 PM	8.8	57.9	0.3	33.0	196.3	196.3	23.86	27.59	-3.54	-3.47	-20.68
GEW-068A	7/22/2020 2:40:12 PM	8.6	58.8	0.3	32.3	196.1	196.1	27.88	27.12	-3.37	-3.48	-20.43
GEW-078R	7/14/2020 10:28:57 AM	34.7	34.1	0.0	31.2	161.1	161.1	23.36	24.64	-9.09	-9.13	-18.28
GEW-078R	7/14/2020 10:34:40 AM	29.0	34.1	0.0	36.9	161.5	161.5	24.19	25.11	-8.92	-9.09	-18.28
GEW-078R	7/24/2020 8:10:59 AM	10.7	32.9	0.0	56.4	160.2	160.2	27.19	26.61	-9.33	-9.33	-20.32
GEW-078R	7/24/2020 8:11:57 AM	10.8	33.1	0.0	56.1	160.7	160.6	27.84	25.93	-9.33	-9.33	-20.69
GEW-082R	7/14/2020 8:28:38 AM	8.9	37.6	0.0	53.5	170.5	171.0	5.78	1.72	-5.75	-5.75	-19.92
GEW-082R	7/14/2020 8:33:30 AM	8.9	36.6	0.0	54.5	171.0	171.0	4.85	5.15	-5.75	-5.75	-19.46

July 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_2O**		
GEW-082R	7/23/2020 2:37:10 PM	8.2	32.9	0.0	58.9	173.6	173.6	3.28	5.33	-4.94	-4.94	-18.91
GEW-082R	7/23/2020 2:38:12 PM	8.2	33.8	0.0	58.0	173.6	173.6	1.40	3.13	-5.19	-5.19	-18.73
GEW-086	7/14/2020 2:10:32 PM	15.0	32.3	1.1	51.6	123.7	123.7	4.34	2.87	-0.36	-0.35	-18.53
GEW-086	7/14/2020 2:16:22 PM	15.8	30.7	1.1	52.4	123.4	123.4	3.43	1.09	-0.35	-0.34	-18.45
GEW-086	7/27/2020 9:52:04 AM	0.7	43.6	2.7	53.0	176.9	174.6	4.23	3.94	-0.04	-0.04	-20.81
GEW-086	7/27/2020 9:53:16 AM	0.8	43.9	2.6	52.7	174.2	173.4	2.80	2.55	-0.04	-0.02	-20.75
GEW-087	7/14/2020 1:27:28 PM	21.7	45.2	0.0	33.1	134.1	134.6	2.12	1.06	-3.25	-3.25	-18.83
GEW-087	7/14/2020 1:33:17 PM	21.8	44.6	0.0	33.6	133.9	134.1	4.85	4.24	-3.16	-3.18	-18.45
GEW-087	7/24/2020 10:51:44 AM	17.5	50.0	0.0	32.5	156.9	157.4	16.26	16.97	-1.85	-1.87	-19.58
GEW-087	7/24/2020 10:52:42 AM	17.6	50.0	0.0	32.4	158.1	157.7	1.77	3.55	-1.49	-1.50	-18.97
GEW-088	7/14/2020 2:20:02 PM	3.0	49.4	0.0	47.6	182.1	182.1	0.99	0.99	-0.58	-0.58	-18.53
GEW-088	7/14/2020 2:26:01 PM	4.2	48.6	0.0	47.2	183.3	182.7	4.72	2.20	-0.54	-0.53	-18.45
GEW-088	7/27/2020 8:04:49 AM	2.7	46.8	0.1	50.4	177.0	176.9	2.00	1.89	-1.03	-1.04	-20.99
GEW-088	7/27/2020 8:05:52 AM	2.4	47.5	0.0	50.1	178.0	178.0	2.22	1.40	-1.10	-1.10	-21.05
GEW-090	7/14/2020 3:02:36 PM	39.7	42.3	0.0	18.0	168.1	168.1	6.22	5.48	-10.15	-10.06	-18.70
GEW-090	7/14/2020 3:08:38 PM	38.2	42.6	0.0	19.2	168.1	168.1	7.37	5.48	-9.89	-9.81	-18.83
GEW-090	7/24/2020 1:47:31 PM	20.4	44.4	0.1	35.1	169.2	169.1	5.12	5.48	-9.76	-9.76	-19.22
GEW-090	7/24/2020 1:48:27 PM	20.5	43.8	0.1	35.6	169.5	169.5	7.43	7.56	-9.76	-9.76	-18.85
GEW-091	7/1/2020 9:56:05 AM	2.7	52.6	1.1	43.6	197.9	196.4	16.31	12.05	-13.73	-13.73	-18.54
GEW-091	7/1/2020 9:57:58 AM	3.3	51.1	1.2	44.4	197.9	196.4	15.16	16.80	-14.22	-14.22	-18.12
GEW-091	7/7/2020 3:06:47 PM	2.8	50.7	1.1	45.4	198.6	199.3	17.04	16.18	-8.60	-8.60	-19.16
GEW-091	7/7/2020 3:08:36 PM	2.4	53.9	0.7	43.0	198.6	199.3	15.15	15.47	-8.36	-8.36	-18.91
GEW-091	7/15/2020 2:36:25 PM	3.3	48.5	1.3	46.9	197.9	197.9	15.66	15.73	-9.76	-9.76	-19.28
GEW-091	7/15/2020 2:44:53 PM	4.2	52.2	1.8	41.8	197.2	197.1	12.04	14.68	-13.42	-13.42	-19.16
GEW-091	7/21/2020 7:39:34 AM	2.4	55.1	0.0	42.5	200.1	200.8	18.73	18.69	4.30	4.30	-20.50
GEW-091	7/21/2020 7:41:42 AM	1.8	56.9	0.0	41.3	200.8	200.1	18.49	16.30	-6.89	-6.89	-20.07
GEW-091	7/29/2020 8:01:03 AM	3.0	50.3	0.7	46.0	196.4	196.4	13.20	13.01	-14.58	-14.58	-20.81
GEW-091	7/29/2020 8:02:41 AM	2.8	51.9	0.6	44.7	196.4	196.4	12.88	13.17	-14.58	-14.58	-20.56
GEW-100	7/13/2020 9:34:37 AM	16.8	62.6	0.5	20.1	148.1	148.4	5.14	5.33	-15.22	-15.22	-18.62
GEW-100	7/13/2020 9:39:18 AM	19.0	62.7	0.7	17.6	148.8	148.8	2.49	7.80	-15.81	-15.86	-18.49
GEW-100	7/22/2020 2:46:43 PM	19.9	65.7	0.6	13.8	174.2	174.2	7.12	5.97	-12.52	-12.52	-19.71
GEW-100	7/22/2020 2:47:54 PM	18.5	64.9	0.8	15.8	174.3	174.7	4.54	6.98	-12.52	-12.52	-19.76
GEW-101	7/13/2020 8:30:00 AM	36.8	61.7	0.0	1.5	93.0	93.1	1.92	3.28	-0.17	-0.16	-16.01
GEW-101	7/13/2020 8:42:19 AM	36.9	62.9	0.0	0.2	95.7	95.7	2.60	6.67	-0.17	-0.14	-16.64
GEW-101	7/29/2020 11:20:46 AM	37.6	61.8	0.0	0.6	99.6	99.6	6.76	2.98	-0.19	-0.20	-16.74
GEW-102	7/10/2020 2:22:07 PM	28.4	37.7	4.7	29.2	93.9	93.9	3.48	2.35	-17.59	-17.59	-18.24
GEW-102	7/10/2020 2:28:22 PM	29.1	38.5	4.2	28.2	93.4	93.3	3.48	3.48	-17.59	-17.59	-18.24
GEW-102	7/29/2020 11:00:31 AM	25.9	43.3	2.8	28.0	103.5	103.6	1.00	1.65	-13.17	-13.17	-19.62
GEW-104	7/10/2020 9:32:04 AM	12.5	54.8	0.1	32.6	187.6	187.6	21.33	22.86	-4.69	-4.63	-19.80
GEW-104	7/10/2020 9:37:31 AM	14.0	56.5	0.1	29.4	187.6	187.6	16.53	20.13	-4.69	-4.78	-19.00

July 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_2O**		
GEW-104	7/21/2020 7:54:01 AM	29.0	40.3	0.0	30.7	143.9	143.9	27.24	28.29	-11.29	-11.29	-19.71
GEW-104	7/21/2020 7:55:11 AM	28.0	41.1	0.0	30.9	144.5	144.2	26.51	28.16	-11.29	-11.29	-19.58
GEW-105	7/10/2020 8:52:48 AM	42.0	47.3	0.0	10.7	133.5	133.5	7.12	7.12	-7.10	-7.10	-19.63
GEW-105	7/10/2020 8:58:50 AM	42.8	44.8	0.0	12.4	133.5	133.5	8.72	14.50	-7.10	-7.10	-19.38
GEW-105	7/20/2020 2:00:52 PM	42.0	46.8	0.0	11.2	138.7	139.0	4.55	9.45	-5.75	-5.75	-18.16
GEW-105	7/20/2020 2:01:56 PM	42.4	45.7	0.0	11.9	139.0	139.0	12.65	5.99	-5.75	-5.75	-18.70
GEW-106	7/9/2020 8:32:22 AM	11.7	49.8	0.0	38.5	107.3	107.4	5.45	5.45	-1.51	-1.50	-19.42
GEW-106	7/9/2020 8:37:54 AM	12.7	50.4	0.0	36.9	107.0	107.0	5.68	5.46	-1.46	-1.47	-19.33
GEW-106	7/27/2020 9:47:13 AM	26.0	48.2	0.1	25.7	171.6	171.6	3.91	2.40	-10.32	-10.27	-21.57
GEW-106	7/27/2020 9:48:16 AM	25.8	49.3	0.1	24.8	171.6	171.6	4.59	3.25	-10.02	-10.06	-21.02
GEW-107	7/9/2020 7:54:12 AM	38.1	48.9	0.0	13.0	139.3	139.3	12.76	12.39	-1.19	-1.18	-19.88
GEW-107	7/9/2020 7:59:57 AM	38.2	48.7	0.0	13.1	140.0	140.2	14.59	23.06	-1.20	-1.22	-19.55
GEW-107	7/20/2020 1:52:43 PM	38.9	49.2	0.0	11.9	142.1	142.2	9.65	7.88	-1.22	-1.19	-19.50
GEW-107	7/20/2020 1:53:51 PM	38.5	49.5	0.0	12.0	142.2	142.2	10.57	17.62	-1.25	-1.20	-18.83
GEW-108	7/1/2020 11:07:12 AM	41.5	44.6	0.0	13.9	156.0	156.0	4.80	2.71	-2.82	-2.82	-18.91
GEW-108	7/1/2020 11:08:35 AM	41.1	45.7	0.0	13.2	156.5	156.9	3.96	3.96	-2.82	-2.82	-18.85
GEW-108	7/7/2020 3:11:24 PM	40.4	47.6	0.0	12.0	165.7	165.2	1.75	4.03	-2.48	-2.47	-18.97
GEW-108	7/7/2020 3:12:19 PM	40.6	46.5	0.0	12.9	165.7	165.5	5.04	6.30	-2.54	-2.54	-18.85
GEW-108	7/17/2020 8:20:00 AM	40.7	45.2	0.0	14.1	162.0	161.7	3.04	2.50	-3.25	-3.26	-19.65
GEW-108	7/17/2020 8:26:01 AM	40.8	44.7	0.0	14.5	162.0	162.0	3.38	3.42	-3.30	-3.29	-19.77
GEW-108	7/20/2020 11:19:36 AM	38.8	46.9	0.0	14.3	163.8	163.3	0.75	1.30	-2.77	-2.77	-18.24
GEW-108	7/20/2020 11:20:35 AM	38.8	47.1	0.0	14.1	163.6	163.4	3.92	3.20	-2.80	-2.79	-18.12
GEW-108	7/29/2020 8:07:46 AM	40.9	49.2	0.0	9.9	154.9	154.8	4.00	4.60	-4.27	-4.26	-20.75
GEW-108	7/29/2020 8:08:47 AM	41.2	49.0	0.0	9.8	155.2	155.2	3.11	1.16	-4.24	-4.24	-20.56
GEW-109	7/1/2020 11:13:54 AM	43.5	43.8	0.1	12.6	83.0	82.8	1.16	2.32	-2.41	-2.41	-18.85
GEW-109	7/7/2020 3:17:38 PM	41.7	41.1	1.0	16.2	112.2	112.2	4.13	2.92	-2.16	-2.16	-19.16
GEW-109	7/17/2020 8:41:57 AM	41.1	42.0	0.9	16.0	98.7	98.7	2.99	2.53	-2.42	-2.42	-19.83
GEW-109	7/17/2020 8:48:01 AM	41.6	40.3	0.9	17.2	99.5	99.6	1.53	1.61	-2.45	-2.45	-19.65
GEW-109	7/20/2020 1:54:00 PM	43.8	40.4	1.1	14.7	106.8	106.8	3.15	1.11	-2.07	-2.07	-19.34
GEW-109	7/29/2020 8:13:46 AM	40.8	42.0	1.0	16.2	99.6	99.5	2.45	1.85	-2.35	-2.35	-20.93
GEW-110	7/1/2020 9:27:09 AM	32.1	35.9	4.7	27.3	121.8	121.5	6.98	6.07	-0.19	-0.18	-18.91
GEW-110	7/7/2020 2:47:00 PM	47.4	41.2	0.0	11.4	124.2	124.2	2.16	4.18	-2.62	-2.61	-19.16
GEW-110	7/15/2020 10:25:30 AM	45.0	45.8	0.0	9.2	123.7	123.8	3.76	4.20	-0.87	-0.85	-19.22
GEW-110	7/15/2020 10:31:24 AM	45.1	45.5	0.0	9.4	123.7	123.5	4.34	1.53	-0.88	-0.89	-19.28
GEW-110	7/20/2020 11:07:06 AM	43.4	45.7	0.0	10.9	129.4	129.4	3.57	3.57	-0.76	-0.76	-18.67
GEW-110	7/29/2020 7:45:42 AM	44.0	45.2	0.0	10.8	127.8	128.0	2.36	2.81	-1.06	-1.06	-20.81
GEW-113	7/14/2020 1:10:24 PM	11.9	58.0	0.5	29.6	176.4	175.8	8.76	7.62	-1.79	-1.76	-18.49
GEW-113	7/14/2020 1:15:20 PM	13.0	58.4	0.6	28.0	175.3	175.5	7.43	8.07	-1.80	-1.79	-18.24
GEW-113	7/24/2020 9:26:57 AM	9.8	50.1	2.9	37.2	179.2	179.2	9.59	9.49	-1.65	-1.64	-19.52
GEW-113	7/24/2020 9:27:52 AM	9.7	50.8	2.9	36.6	179.2	179.2	9.23	8.90	-1.65	-1.65	-19.52

July 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_2O**		
GEW-116	7/14/2020 9:24:17 AM	21.2	46.0	1.6	31.2	145.6	145.6	15.79	14.08	-2.18	-2.18	-15.16
GEW-116	7/14/2020 9:29:41 AM	21.9	44.1	1.6	32.4	145.8	145.9	16.55	16.02	-2.22	-2.19	-15.12
GEW-116	7/23/2020 2:02:15 PM	23.7	43.5	1.1	31.7	150.2	150.2	15.42	14.18	-1.30	-1.31	-18.42
GEW-116	7/23/2020 2:03:19 PM	23.1	45.5	1.0	30.4	150.2	150.3	15.66	14.41	-1.30	-1.29	-18.18
GEW-117	7/14/2020 9:07:45 AM	30.2	54.3	0.0	15.5	148.8	148.8	12.89	14.19	-14.71	-14.63	-19.46
GEW-117	7/14/2020 9:12:39 AM	30.1	52.8	0.0	17.1	149.1	149.1	13.33	13.47	-15.22	-15.22	-19.17
GEW-117	7/23/2020 2:10:18 PM	30.7	48.9	0.0	20.4	136.4	136.5	7.39	6.95	-15.13	-15.13	-18.85
GEW-117	7/23/2020 2:11:17 PM	31.0	49.8	0.0	19.2	136.8	136.5	6.64	6.64	-15.13	-15.13	-18.79
GEW-118	7/14/2020 8:45:09 AM	1.7	60.8	0.0	37.5	197.9	197.9	44.52	44.56	-2.79	-2.78	-19.50
GEW-118	7/14/2020 8:50:48 AM	2.3	67.1	0.0	30.6	198.6	198.5	45.33	44.83	-2.29	-2.31	-19.84
GEW-118	7/24/2020 7:56:22 AM	1.4	51.4	0.0	47.2	190.2	190.9	58.93	58.30	-4.11	-4.11	-20.26
GEW-118	7/24/2020 7:58:02 AM	1.5	50.9	0.0	47.6	190.2	189.0	54.85	54.84	-4.57	-4.58	-20.69
GEW-120	7/13/2020 4:00:10 PM	37.7	37.6	1.7	23.0	119.2	119.2	19.76	19.52	-10.11	-9.81	-19.29
GEW-120	7/13/2020 4:05:30 PM	36.5	36.5	1.8	25.2	120.5	120.5	20.11	22.04	-9.81	-9.81	-19.21
GEW-120	7/27/2020 2:44:29 PM	26.2	38.7	1.9	33.2	117.3	117.3	22.12	22.69	-10.31	-10.31	-20.32
GEW-121	7/13/2020 3:43:20 PM	32.0	45.6	0.0	22.4	152.2	152.3	2.91	2.72	-2.93	-2.95	-17.44
GEW-121	7/13/2020 3:48:33 PM	32.1	43.7	0.0	24.2	153.3	153.3	6.65	4.23	-2.98	-2.94	-17.78
GEW-121	7/22/2020 8:02:16 AM	25.9	45.3	0.0	28.8	152.9	152.9	3.71	4.60	-3.09	-3.10	-19.16
GEW-121	7/22/2020 8:05:00 AM	26.1	45.2	0.0	28.7	153.3	152.9	5.24	5.14	-3.09	-3.09	-19.22
GEW-122	7/13/2020 2:26:18 PM	40.6	36.6	0.0	22.8	118.4	118.4	3.55	4.66	-9.81	-9.81	-18.45
GEW-122	7/13/2020 2:31:27 PM	41.4	35.1	0.0	23.5	118.3	118.3	6.42	10.86	-9.81	-9.81	-17.90
GEW-122	7/29/2020 9:21:39 AM	38.6	35.1	0.0	26.3	115.0	115.2	10.12	7.56	-10.19	-10.19	-19.28
GEW-123	7/13/2020 3:17:57 PM	34.3	54.3	0.1	11.3	116.3	116.3	6.19	7.82	-1.81	-1.84	-18.45
GEW-123	7/13/2020 3:23:10 PM	33.7	55.2	0.1	11.0	115.8	115.8	3.95	3.10	-1.78	-1.71	-18.45
GEW-123	7/28/2020 8:16:24 AM	31.2	53.3	0.0	15.5	90.5	90.6	3.81	3.81	-1.75	-1.75	-18.85
GEW-124	7/13/2020 2:35:42 PM	51.8	37.7	1.3	9.2	94.4	93.9	0.54	0.91	-18.60	-18.56	-18.62
GEW-124	7/13/2020 2:43:28 PM	49.5	37.4	2.2	10.9	91.5	91.3	0.64	0.54	-18.27	-18.39	-18.45
GEW-124	7/29/2020 9:25:56 AM	42.4	34.8	4.1	18.7	92.2	92.2	0.22	0.22	-19.16	-19.16	-20.01
GEW-125	7/13/2020 1:52:11 PM	40.2	44.1	0.0	15.7	106.7	107.0	7.28	2.66	-11.84	-11.84	-18.53
GEW-125	7/13/2020 1:56:58 PM	40.3	42.4	0.0	17.3	107.5	107.5	8.33	7.97	-11.84	-11.84	-18.45
GEW-125	7/29/2020 9:35:49 AM	41.3	45.1	0.0	13.6	92.8	92.9	3.19	3.19	-14.58	-14.58	-19.83
GEW-126	7/13/2020 1:25:14 PM	24.3	51.5	0.6	23.6	107.0	107.0	15.77	14.27	-9.77	-9.81	-17.10
GEW-126	7/13/2020 1:30:21 PM	24.7	50.1	0.7	24.5	107.5	107.5	7.32	3.78	-9.51	-9.51	-17.44
GEW-126	7/29/2020 9:39:44 AM	24.5	48.9	0.6	26.0	106.9	107.0	9.75	14.03	-9.27	-9.27	-18.42
GEW-127	7/13/2020 1:07:30 PM	19.3	50.2	0.3	30.2	117.3	117.3	7.60	7.44	-0.17	-0.16	-18.45
GEW-127	7/13/2020 1:12:59 PM	19.8	50.5	0.3	29.4	116.6	116.6	29.64	29.85	-0.21	-0.19	-18.11
GEW-127	7/29/2020 9:53:12 AM	16.8	46.5	1.6	35.1	111.5	111.5	11.29	10.73	-0.20	-0.18	-19.65
GEW-129	7/14/2020 3:37:06 PM	40.0	49.8	0.1	10.1	128.9	128.9	23.18	23.18	-4.42	-4.42	-18.74
GEW-129	7/14/2020 3:42:19 PM	38.8	50.5	0.1	10.6	128.6	128.6	24.06	23.42	-4.31	-4.28	-18.16
GEW-129	7/29/2020 10:01:59 AM	37.2	49.9	0.0	12.9	128.0	127.8	24.89	24.51	-4.36	-4.37	-18.24

July 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_2O		
GEW-130	7/13/2020 12:59:38 PM	24.5	44.6	0.0	30.9	152.2	152.1	5.76	5.58	-12.77	-12.90	-18.87
GEW-130	7/13/2020 1:04:36 PM	24.6	43.7	0.0	31.7	152.8	152.5	7.89	6.94	-12.90	-12.90	-19.33
GEW-130	7/23/2020 10:23:17 AM	24.9	47.7	0.0	27.4	153.7	153.7	3.99	8.23	-13.62	-13.62	-18.83
GEW-130	7/23/2020 10:24:24 AM	25.0	48.0	0.0	27.0	154.0	154.0	6.16	11.08	-13.28	-13.28	-18.91
GEW-131	7/13/2020 1:33:11 PM	40.9	45.7	0.0	13.4	141.6	141.5	8.50	6.94	-2.64	-2.65	-18.45
GEW-131	7/13/2020 1:38:46 PM	42.3	42.5	0.0	15.2	141.9	141.9	8.10	6.45	-2.59	-2.58	-18.45
GEW-131	7/23/2020 11:08:20 AM	42.1	44.5	0.0	13.4	137.4	137.7	4.84	3.95	-2.77	-2.78	-18.85
GEW-131	7/23/2020 11:09:12 AM	42.2	44.4	0.0	13.4	138.2	138.3	4.22	3.65	-2.75	-2.76	-18.60
GEW-132	7/14/2020 8:36:33 AM	11.6	33.0	1.6	53.8	137.1	137.2	1.57	1.27	-1.98	-1.98	-19.59
GEW-132	7/14/2020 8:42:15 AM	11.8	31.0	1.6	55.6	137.1	137.1	3.66	4.23	-1.96	-1.97	-19.67
GEW-132	7/23/2020 2:15:01 PM	12.5	31.1	1.2	55.2	141.9	140.9	4.20	4.20	-1.60	-1.60	-18.91
GEW-132	7/23/2020 2:16:10 PM	12.5	30.7	1.2	55.6	141.5	141.9	6.22	5.15	-1.61	-1.60	-18.91
GEW-133	7/14/2020 9:16:34 AM	4.5	37.4	0.0	58.1	137.4	137.4	11.14	16.57	-3.26	-3.29	-18.83
GEW-133	7/14/2020 9:21:44 AM	4.6	36.6	0.0	58.8	137.1	137.1	9.65	11.39	-3.21	-3.25	-18.74
GEW-133	7/23/2020 2:05:54 PM	4.9	38.3	0.0	56.8	156.9	157.3	11.95	11.66	-2.40	-2.39	-17.87
GEW-133	7/23/2020 2:07:03 PM	4.8	38.4	0.0	56.8	156.1	156.0	11.99	13.63	-2.40	-2.41	-18.48
GEW-134	7/14/2020 10:07:20 AM	16.3	41.3	0.7	41.7	106.7	106.7	4.33	4.33	-0.28	-0.28	-18.74
GEW-134	7/14/2020 10:13:03 AM	18.4	41.1	0.7	39.8	107.2	107.2	4.33	4.33	-0.26	-0.24	-18.49
GEW-134	7/27/2020 1:52:07 PM	7.1	36.7	0.6	55.6	95.6	95.6	1.14	3.02	-0.35	-0.35	-20.26
GEW-135	7/14/2020 9:49:31 AM	7.9	57.1	0.0	35.0	125.0	125.6	21.50	23.51	-0.73	-0.85	-17.19
GEW-135	7/14/2020 9:55:10 AM	9.2	57.6	0.0	33.2	126.1	126.7	18.13	20.34	-0.60	-0.71	-17.48
GEW-135	7/27/2020 1:43:33 PM	3.0	52.2	0.1	44.7	120.8	120.8	24.48	24.48	-1.05	-1.04	-18.18
GEW-137	7/14/2020 10:47:47 AM	40.8	40.3	0.0	18.9	103.0	103.0	7.98	7.74	-3.02	-3.02	-18.16
GEW-137	7/14/2020 10:53:02 AM	40.1	42.2	0.0	17.7	102.9	103.0	6.42	6.61	-2.97	-2.96	-18.07
GEW-137	7/29/2020 10:55:25 AM	38.5	40.4	0.0	21.1	105.8	105.9	3.21	3.01	-2.67	-2.67	-19.58
GEW-139	7/13/2020 10:53:55 AM	26.4	44.3	1.4	27.9	160.7	160.6	6.56	3.29	-7.40	-7.40	-18.20
GEW-139	7/13/2020 10:58:57 AM	26.4	43.0	1.8	28.8	160.7	160.7	5.38	5.19	-7.40	-7.40	-18.32
GEW-139	7/23/2020 9:54:41 AM	19.3	42.9	2.1	35.7	155.7	155.7	1.43	3.20	-7.53	-7.53	-19.33
GEW-139	7/23/2020 9:56:48 AM	19.8	42.6	2.1	35.5	156.0	155.7	1.75	1.75	-7.53	-7.53	-19.33
GEW-140	7/13/2020 10:26:35 AM	34.8	44.5	0.0	20.7	130.9	130.9	10.31	10.47	-6.05	-6.05	-16.64
GEW-140	7/13/2020 10:31:54 AM	36.2	42.1	0.0	21.7	132.0	132.0	10.34	10.12	-6.34	-6.38	-16.51
GEW-140	7/22/2020 3:00:03 PM	30.4	43.2	0.1	26.3	147.3	147.3	13.49	11.76	-4.74	-4.72	-18.03
GEW-140	7/22/2020 3:01:17 PM	30.8	43.2	0.1	25.9	147.7	147.7	12.33	10.76	-4.71	-4.74	-18.37
GEW-144	7/13/2020 8:57:17 AM	38.1	38.5	4.9	18.5	87.9	87.9	0.65	0.61	-13.91	-13.87	-18.70
GEW-144	7/13/2020 9:02:55 AM	39.4	39.0	3.8	17.8	86.8	86.8	0.82	0.99	-13.19	-13.19	-18.53
GEW-144	7/29/2020 11:33:15 AM	40.1	37.2	4.8	17.9	98.7	98.6	1.19	0.58	-12.49	-12.49	-19.32
GEW-145	7/10/2020 2:01:26 PM	34.4	46.4	0.0	19.2	103.0	103.0	3.73	1.87	-17.59	-17.59	-18.20
GEW-145	7/10/2020 2:07:47 PM	34.1	46.7	0.0	19.2	104.5	104.5	6.79	6.79	-17.93	-17.93	-18.62
GEW-145	7/29/2020 11:03:40 AM	34.5	48.7	0.0	16.8	104.5	104.8	2.13	1.51	-18.19	-18.24	-19.79
GEW-147	7/14/2020 11:35:07 AM	15.3	49.6	0.6	34.5	162.7	162.9	6.86	6.86	-7.19	-7.19	-18.66

July 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_2O**		
GEW-147	7/14/2020 11:40:09 AM	16.0	46.7	0.6	36.7	162.9	162.9	13.44	13.44	-7.36	-7.36	-18.37
GEW-147	7/24/2020 9:51:01 AM	17.7	48.7	0.8	32.8	162.9	162.0	15.97	15.54	-7.75	-7.75	-19.34
GEW-147	7/24/2020 9:52:02 AM	18.0	46.9	0.8	34.3	162.9	162.9	15.81	16.25	-7.75	-7.75	-19.22
GEW-148	7/14/2020 1:36:28 PM	20.1	52.5	0.0	27.4	160.2	160.2	16.83	12.45	-5.07	-5.07	-18.37
GEW-148	7/14/2020 1:41:35 PM	21.8	54.1	0.0	24.1	159.4	159.4	12.54	14.40	-5.07	-5.07	-18.53
GEW-148	7/24/2020 10:47:31 AM	20.6	49.9	0.0	29.5	162.0	161.8	2.26	4.16	-4.88	-4.88	-18.54
GEW-148	7/24/2020 10:48:41 AM	20.4	51.2	0.0	28.4	162.1	162.0	5.24	4.40	-4.94	-4.94	-18.60
GEW-149	7/14/2020 2:47:41 PM	25.2	28.2	0.0	46.6	101.6	101.6	1.13	1.13	-0.06	-0.05	-18.45
GEW-149	7/14/2020 2:55:53 PM	27.1	27.6	0.0	45.3	102.1	102.1	4.51	3.57	-0.08	-0.05	-18.45
GEW-149	7/27/2020 9:45:48 AM	10.4	30.4	0.0	59.2	74.4	74.3	2.66	2.91	-0.21	-0.21	-21.05
GEW-150	7/10/2020 9:23:28 AM	27.7	45.2	1.7	25.4	166.6	166.6	10.75	7.47	-1.94	-1.89	-19.33
GEW-150	7/10/2020 9:29:10 AM	28.0	44.8	1.7	25.5	169.0	169.0	10.43	10.99	-1.68	-1.66	-19.63
GEW-150	7/20/2020 2:15:54 PM	23.7	41.8	2.1	32.4	152.9	152.9	17.47	17.19	-1.96	-1.96	-18.96
GEW-150	7/20/2020 2:17:07 PM	23.6	42.0	2.1	32.3	152.9	152.9	17.71	17.71	-1.93	-1.95	-18.70
GEW-151	7/14/2020 2:01:55 PM	8.6	46.1	1.3	44.0	106.4	106.4	6.02	2.96	-0.09	-0.04	-18.45
GEW-151	7/14/2020 2:07:01 PM	8.3	47.2	1.3	43.2	106.2	106.2	3.17	4.34	-0.03	-0.05	-18.79
GEW-151	7/27/2020 9:48:41 AM	5.3	41.2	2.1	51.4	75.2	75.2	2.37	2.65	-0.19	-0.20	-21.05
GEW-152	7/9/2020 8:04:11 AM	25.0	48.1	0.6	26.3	110.2	110.2	5.73	4.41	-3.13	-3.13	-19.42
GEW-152	7/9/2020 8:09:58 AM	26.4	49.0	0.2	24.4	109.2	109.4	5.30	5.30	-3.09	-3.09	-19.46
GEW-152	7/27/2020 9:30:40 AM	29.3	47.9	0.0	22.8	91.5	92.0	1.78	1.78	-3.48	-3.49	-21.19
GEW-153	7/6/2020 2:34:04 PM	24.6	31.4	0.0	44.0	125.3	125.3	11.48	13.21	-9.81	-9.64	-20.35
GEW-153	7/6/2020 2:40:34 PM	25.8	34.0	0.0	40.2	123.4	123.4	3.83	7.68	-8.41	-8.12	-20.13
GEW-153	7/27/2020 9:27:47 AM	26.5	35.3	0.0	38.2	110.7	110.2	6.42	6.27	-7.02	-7.02	-21.36
GEW-156	7/10/2020 10:19:07 AM	43.5	46.5	0.0	10.0	131.7	131.7	6.20	3.48	-8.58	-8.58	-18.83
GEW-156	7/10/2020 10:25:07 AM	44.6	45.0	0.0	10.4	129.4	129.5	4.59	4.34	-8.37	-8.50	-18.79
GEW-156	7/27/2020 2:05:11 PM	33.1	46.2	0.0	20.7	127.2	127.3	1.06	2.37	-7.86	-7.82	-20.22
GEW-157	7/10/2020 9:49:15 AM	32.9	44.7	1.3	21.1	109.8	109.9	7.14	7.06	-8.54	-8.54	-18.96
GEW-157	7/10/2020 9:55:24 AM	33.3	44.7	1.4	20.6	110.8	110.9	6.70	7.13	-8.54	-8.58	-19.29
GEW-157	7/27/2020 10:56:29 AM	39.6	45.3	0.1	15.0	96.2	96.2	1.57	1.92	-10.40	-10.40	-19.88
GEW-158	7/10/2020 8:43:54 AM	31.0	51.6	0.0	17.4	118.1	118.1	3.94	2.19	-1.38	-1.37	-19.46
GEW-158	7/10/2020 8:49:48 AM	32.7	47.9	0.0	19.4	117.3	117.3	2.90	2.90	-1.34	-1.34	-19.67
GEW-158	7/27/2020 9:51:03 AM	26.4	44.7	0.9	28.0	79.8	79.6	3.09	3.51	-1.61	-1.60	-21.57
GEW-160	7/1/2020 9:52:03 AM	22.0	35.1	1.1	41.8	85.0	84.9	1.66	2.07	-5.80	-5.80	-18.48
GEW-160	7/7/2020 3:04:33 PM	23.4	38.8	0.1	37.7	104.0	103.8	1.92	3.21	-5.55	-5.55	-19.09
GEW-160	7/15/2020 2:25:40 PM	25.4	35.5	0.3	38.8	99.7	99.8	2.50	1.94	-5.92	-5.92	-19.46
GEW-160	7/15/2020 2:31:06 PM	26.7	36.1	0.2	37.0	100.4	100.4	2.74	2.24	-5.49	-5.49	-19.40
GEW-160	7/20/2020 11:14:20 AM	22.9	37.5	0.4	39.2	95.8	95.9	1.13	1.13	-5.80	-5.80	-18.05
GEW-160	7/29/2020 7:58:29 AM	22.1	32.1	1.4	44.4	92.2	92.5	2.35	2.35	-6.41	-6.41	-21.05
GEW-161	7/1/2020 9:48:13 AM	2.9	48.1	0.3	48.7	102.5	102.5	5.01	2.50	-3.38	-3.38	-18.54
GEW-161	7/7/2020 3:02:19 PM	4.1	50.1	0.1	45.7	123.7	123.7	3.74	4.45	-2.95	-2.96	-18.97

July 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_2O**		
GEW-161	7/15/2020 2:16:07 PM	6.3	52.0	0.0	41.7	115.8	115.7	2.45	2.68	-3.23	-3.22	-19.28
GEW-161	7/15/2020 2:22:04 PM	7.0	47.9	0.0	45.1	116.6	116.8	2.89	1.55	-3.15	-3.14	-19.28
GEW-161	7/20/2020 11:12:05 AM	4.0	52.0	0.2	43.8	113.5	113.5	1.90	2.46	-3.13	-3.11	-18.67
GEW-161	7/29/2020 7:55:56 AM	5.4	49.1	0.1	45.4	112.0	112.0	5.01	3.70	-3.60	-3.62	-20.81
GEW-162	7/1/2020 9:39:34 AM	0.3	2.4	9.5	87.8	83.5	83.5	4.20	3.87	-4.41	-4.41	-18.60
GEW-162	7/1/2020 9:45:04 AM	0.1	4.5	5.9	89.5	84.4	84.2	3.99	2.57	-5.37	-5.37	-18.48
GEW-162	7/7/2020 2:50:40 PM	13.3	49.3	0.2	37.2	102.8	102.8	6.72	6.81	-2.84	-2.83	-18.30
GEW-162	7/15/2020 2:05:21 PM	14.9	54.0	0.3	30.8	100.0	100.0	3.21	2.39	-2.40	-2.40	-19.58
GEW-162	7/15/2020 2:11:30 PM	15.1	54.0	0.4	30.5	100.1	100.1	3.38	1.95	-2.39	-2.39	-19.58
GEW-162	7/20/2020 11:09:42 AM	14.5	57.1	0.2	28.2	92.2	92.2	1.14	1.98	-2.32	-2.32	-18.18
GEW-162	7/29/2020 7:53:38 AM	13.2	55.2	0.3	31.3	88.8	88.9	5.43	5.18	-2.65	-2.65	-20.81
GEW-163	7/13/2020 3:27:01 PM	33.3	54.7	0.0	12.0	133.2	133.2	35.66	31.60	-7.57	-7.61	-18.74
GEW-163	7/13/2020 3:31:44 PM	34.0	52.9	0.0	13.1	133.2	133.3	25.38	19.28	-7.78	-7.78	-18.53
GEW-163	7/22/2020 8:08:18 AM	31.5	52.4	0.0	16.1	118.9	119.2	30.90	29.61	-8.79	-8.79	-20.01
GEW-164	7/13/2020 3:10:18 PM	36.5	44.3	0.0	19.2	142.7	142.7	27.54	18.50	-0.66	-0.63	-18.32
GEW-164	7/13/2020 3:15:11 PM	36.4	44.4	0.0	19.2	142.5	142.5	18.49	37.57	-0.75	-0.72	-18.11
GEW-164	7/22/2020 8:10:52 AM	30.3	46.1	0.0	23.6	140.0	140.0	28.15	24.70	-0.82	-0.82	-18.42
GEW-164	7/22/2020 8:11:50 AM	30.8	45.4	0.0	23.8	140.2	140.2	30.19	29.24	-0.84	-0.82	-18.73
GEW-165	7/13/2020 1:59:56 PM	18.1	40.4	3.6	37.9	148.0	148.0	20.99	9.58	-0.27	-0.28	-18.58
GEW-165	7/13/2020 2:04:47 PM	17.9	40.6	3.5	38.0	147.7	147.7	22.14	8.92	-0.29	-0.31	-18.91
GEW-165	7/22/2020 8:19:08 AM	17.0	37.9	5.6	39.5	144.9	144.7	18.64	21.42	-0.35	-0.36	-20.13
GEW-165	7/22/2020 8:20:49 AM	16.9	38.6	5.7	38.8	144.5	144.2	4.32	6.59	-0.30	-0.31	-19.89
GEW-165	7/27/2020 1:27:12 PM	18.6	39.6	4.8	37.0	144.2	144.2	17.43	17.43	-0.34	-0.34	-20.35
GEW-165	7/27/2020 1:29:26 PM	18.4	40.8	4.9	35.9	143.9	143.5	7.47	8.63	-0.23	-0.20	-20.01
GEW-166	7/13/2020 2:08:19 PM	8.7	40.3	4.7	46.3	168.1	168.1	11.24	13.96	-10.99	-10.99	-19.00
GEW-166	7/13/2020 2:14:25 PM	7.6	31.5	4.8	56.1	167.1	167.1	5.84	2.61	-9.81	-9.51	-18.66
GEW-166	7/22/2020 9:12:30 AM	11.0	50.0	1.0	38.0	168.5	168.5	12.87	12.94	-9.33	-9.33	-19.52
GEW-166	7/22/2020 9:13:23 AM	10.6	50.6	1.1	37.7	168.5	168.5	13.35	11.97	-9.33	-9.33	-19.52
GEW-167	7/13/2020 2:18:03 PM	15.0	47.7	0.0	37.3	151.3	151.3	4.21	4.21	-6.22	-6.22	-18.62
GEW-167	7/13/2020 2:22:31 PM	16.1	47.6	0.0	36.3	150.6	150.6	8.24	4.33	-6.43	-6.43	-18.96
GEW-167	7/22/2020 9:17:49 AM	14.8	47.0	0.0	38.2	147.3	147.3	2.30	1.78	-7.38	-7.38	-19.65
GEW-167	7/22/2020 9:18:45 AM	14.8	47.0	0.0	38.2	147.0	147.3	2.90	2.72	-7.38	-7.38	-19.71
GEW-168	7/13/2020 1:41:39 PM	38.9	50.9	0.3	9.9	120.7	120.7	19.04	19.04	-0.15	-0.15	-19.12
GEW-168	7/13/2020 1:46:44 PM	38.9	49.8	0.3	11.0	119.7	119.6	19.42	19.42	-0.16	-0.16	-18.45
GEW-168	7/29/2020 9:43:48 AM	37.0	52.4	0.0	10.6	106.5	106.5	18.30	14.89	-0.08	-0.06	-19.65
GEW-169	7/13/2020 1:16:41 PM	19.6	44.3	1.1	35.0	136.5	136.5	15.34	17.48	-0.16	-0.17	-18.20
GEW-169	7/13/2020 1:21:28 PM	20.0	42.3	1.1	36.6	137.1	136.8	19.68	17.82	-0.21	-0.20	-18.49
GEW-169	7/23/2020 11:16:49 AM	20.2	40.4	1.9	37.5	139.0	138.3	3.03	3.60	-0.21	-0.21	-18.60
GEW-169	7/23/2020 11:17:58 AM	20.1	40.1	1.9	37.9	138.1	138.0	8.73	7.19	-0.22	-0.22	-18.67
GEW-170	7/13/2020 11:40:06 AM	12.0	38.8	3.3	45.9	145.2	145.1	12.87	12.38	-0.27	-0.26	-18.20

July 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_2O**		
GEW-170	7/13/2020 11:45:27 AM	11.8	39.3	3.3	45.6	144.9	144.7	14.67	14.02	-0.30	-0.27	-18.28
GEW-170	7/23/2020 10:10:36 AM	12.1	36.8	4.8	46.3	142.2	142.5	2.50	6.12	-0.30	-0.30	-19.00
GEW-170	7/23/2020 10:13:47 AM	12.2	36.3	4.8	46.7	138.7	138.6	2.18	3.03	-0.17	-0.17	-18.62
GEW-171	7/13/2020 9:55:58 AM	26.8	58.7	2.1	12.4	101.8	101.8	6.63	1.80	-17.89	-17.89	-18.20
GEW-171	7/13/2020 10:01:12 AM	27.3	58.4	2.1	12.2	102.0	102.0	5.48	6.08	-17.89	-17.89	-18.53
GEW-171	7/29/2020 1:42:12 PM	25.4	59.7	1.1	13.8	111.9	112.0	5.17	4.48	-17.52	-17.52	-19.87
GEW-172	7/13/2020 10:17:24 AM	27.7	47.9	0.8	23.6	151.7	151.7	8.95	9.08	-8.41	-8.41	-18.41
GEW-172	7/13/2020 10:23:14 AM	28.0	47.9	0.9	23.2	151.7	151.7	5.80	10.45	-8.41	-8.41	-18.28
GEW-172	7/22/2020 3:04:33 PM	26.4	43.3	2.2	28.1	144.2	144.9	16.78	16.78	-7.10	-7.10	-19.80
GEW-172	7/22/2020 3:05:54 PM	26.6	43.5	1.9	28.0	144.9	144.9	15.46	10.66	-7.10	-7.10	-19.46
GEW-174	7/10/2020 2:55:18 PM	15.9	37.4	0.1	46.6	128.3	128.0	20.99	21.60	-2.16	-2.08	-18.24
GEW-174	7/10/2020 3:00:51 PM	16.0	36.4	0.1	47.5	128.7	128.8	22.03	21.89	-2.02	-2.01	-18.49
GEW-174	7/29/2020 10:11:56 AM	13.9	34.7	0.0	51.4	126.7	126.7	5.59	6.38	-2.75	-2.75	-19.34
GEW-175	7/10/2020 9:14:20 AM	28.1	37.7	3.2	31.0	135.3	135.3	37.40	32.46	-0.22	-0.22	-15.21
GEW-175	7/10/2020 9:19:19 AM	27.9	36.4	3.2	32.5	135.3	135.3	40.12	42.66	-0.23	-0.25	-15.46
GEW-175	7/20/2020 2:11:09 PM	30.4	38.4	2.2	29.0	136.9	133.0	34.91	35.03	-0.24	-0.24	-19.84
GEW-175	7/20/2020 2:12:35 PM	30.5	37.8	2.2	29.5	136.8	136.8	30.25	42.70	-0.28	-0.29	-19.97
GEW-177	7/13/2020 11:20:53 AM	22.3	46.1	2.7	28.9	167.7	168.1	34.92	25.93	-13.49	-13.49	-16.64
GEW-177	7/13/2020 11:25:31 AM	22.9	45.0	2.7	29.4	168.1	168.1	25.42	35.41	-13.19	-13.19	-15.80
GEW-177	7/23/2020 10:05:52 AM	12.6	45.9	2.0	39.5	168.0	168.1	6.93	11.32	-14.63	-14.55	-18.03
GEW-177	7/23/2020 10:07:47 AM	12.5	46.7	2.0	38.8	168.3	168.1	15.85	13.48	-14.29	-14.29	-17.61
GEW-178	7/10/2020 1:51:58 PM	28.2	35.5	1.2	35.1	102.5	102.5	4.21	6.36	-0.64	-0.62	-13.86
GEW-178	7/10/2020 1:57:22 PM	28.6	34.4	1.2	35.8	101.8	101.8	5.85	9.36	-0.66	-0.62	-13.35
GEW-178	7/27/2020 11:03:43 AM	24.1	31.0	2.8	42.1	81.0	81.0	4.68	5.48	-0.82	-0.82	-21.02
GEW-179	7/10/2020 2:11:30 PM	42.6	43.2	0.1	14.1	103.3	103.3	9.42	9.15	-2.50	-2.47	-13.52
GEW-179	7/10/2020 2:17:06 PM	43.0	41.2	0.1	15.7	103.8	103.8	6.61	8.65	-2.46	-2.50	-13.52
GEW-179	7/27/2020 11:13:41 AM	38.8	39.6	0.0	21.6	91.0	91.2	8.82	8.81	-3.45	-3.39	-21.19
GEW-180	7/13/2020 8:21:30 AM	35.7	61.8	0.2	2.3	92.7	92.9	11.30	9.68	-12.14	-12.14	-13.52
GEW-180	7/13/2020 8:26:50 AM	35.5	61.4	0.2	2.9	92.9	92.9	10.77	6.21	-12.14	-12.14	-13.06
GEW-180	7/29/2020 11:17:43 AM	34.3	60.7	0.9	4.1	102.1	102.3	5.04	3.04	-17.01	-17.18	-19.62
GEW-181	7/13/2020 9:06:11 AM	28.8	70.0	0.2	1.0	94.3	94.3	2.88	5.15	-14.50	-14.50	-18.91
GEW-181	7/13/2020 9:11:02 AM	28.5	69.9	0.2	1.4	94.8	94.8	17.23	17.23	-14.16	-14.16	-18.20
GEW-181	7/29/2020 11:23:47 AM	29.1	70.3	0.2	0.4	102.5	102.5	8.28	8.69	-15.87	-15.58	-19.70
GEW-185	7/13/2020 3:52:07 PM	37.8	45.9	0.0	16.3	121.0	121.0	1.54	1.09	-0.49	-0.49	-18.45
GEW-185	7/13/2020 3:57:21 PM	41.1	45.1	0.0	13.8	120.1	120.2	7.79	7.32	-0.63	-0.61	-18.66
GEW-185	7/28/2020 8:12:34 AM	33.5	49.0	0.0	17.5	98.3	98.4	3.94	3.77	-0.30	-0.29	-18.85
GEW-186	7/13/2020 11:32:32 AM	50.6	46.3	0.1	3.0	104.8	104.8	6.02	4.32	-0.06	-0.04	-18.20
GEW-186	7/13/2020 11:37:19 AM	50.3	47.3	0.1	2.3	104.8	104.8	7.92	4.17	-0.06	-0.05	-18.37
GEW-186	7/29/2020 9:56:08 AM	47.8	48.7	0.0	3.5	103.3	103.5	2.83	4.82	-0.04	-0.04	-19.52
GEW-187	7/1/2020 11:10:57 AM	45.3	49.6	0.0	5.1	107.2	107.0	13.36	12.70	-2.15	-2.13	-18.79

July 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_2O**		
GEW-187	7/7/2020 3:15:01 PM	45.1	48.1	0.0	6.8	119.4	119.4	2.88	4.22	-2.19	-2.17	-19.03
GEW-187	7/17/2020 8:31:00 AM	45.1	48.8	0.0	6.1	113.0	113.0	4.12	6.33	-2.26	-2.26	-19.83
GEW-187	7/17/2020 8:37:16 AM	44.8	49.8	0.0	5.4	114.3	114.0	5.82	7.62	-2.24	-2.24	-19.46
GEW-187	7/20/2020 11:23:59 AM	43.7	49.1	0.0	7.2	115.8	115.8	7.68	7.27	-2.24	-2.23	-17.99
GEW-187	7/29/2020 8:11:24 AM	44.4	49.1	0.0	6.5	115.5	115.5	9.09	11.49	-2.41	-2.43	-20.75
GEW-217	7/10/2020 1:39:04 PM	36.0	45.8	0.0	18.2	107.7	107.8	4.68	6.44	-15.56	-15.56	-15.84
GEW-217	7/10/2020 1:46:26 PM	35.4	46.7	0.0	17.9	108.5	108.7	7.11	5.67	-15.56	-15.56	-15.63
GEW-217	7/29/2020 10:53:55 AM	15.1	63.1	0.0	21.8	178.6	178.6	5.24	2.13	-12.49	-12.49	-16.28
GEW-217	7/29/2020 10:55:31 AM	15.1	62.4	0.0	22.5	179.2	179.2	13.16	20.25	-13.17	-13.17	-16.15
GEW-218	7/10/2020 2:34:10 PM	23.9	45.7	0.6	29.8	124.8	125.0	7.58	7.58	-0.61	-0.61	-18.70
GEW-218	7/10/2020 2:39:35 PM	24.0	45.5	0.6	29.9	125.8	125.8	7.33	8.97	-0.64	-0.60	-18.53
GEW-218	7/29/2020 11:07:18 AM	21.9	44.8	1.0	32.3	124.7	124.7	7.46	9.07	-0.64	-0.61	-19.87
GEW-220	7/10/2020 2:43:47 PM	26.7	52.3	0.1	20.9	180.9	181.4	10.74	10.86	-5.41	-5.41	-15.33
GEW-220	7/10/2020 2:49:10 PM	28.5	52.2	0.1	19.2	181.6	181.5	10.59	9.80	-5.41	-5.41	-15.88
GEW-220	7/20/2020 2:23:54 PM	27.6	53.1	0.1	19.2	183.3	183.3	7.41	8.31	-5.24	-5.37	-16.51
GEW-220	7/20/2020 2:24:59 PM	27.5	53.3	0.1	19.1	183.9	183.9	6.87	11.78	-5.41	-5.41	-16.05
GEW-221	7/13/2020 8:45:10 AM	27.8	57.1	0.5	14.6	129.5	129.4	1.73	3.76	-15.52	-15.26	-19.25
GEW-221	7/13/2020 8:51:31 AM	27.8	55.3	0.6	16.3	130.0	130.0	2.96	6.19	-15.22	-15.18	-19.00
GEW-221	7/29/2020 11:35:52 AM	29.0	56.3	0.2	14.5	133.9	134.1	2.29	4.09	-14.86	-14.86	-19.37
GEW-221	7/30/2020 8:42:18 AM	27.2	56.7	0.0	16.1	117.6	117.6	6.11	5.64	-16.29	-16.29	-20.38
GEW-222	7/13/2020 9:25:14 AM	42.0	47.2	0.3	10.5	98.2	98.2	7.39	3.52	-11.46	-11.46	-19.12
GEW-222	7/13/2020 9:30:58 AM	42.8	44.2	0.3	12.7	99.0	99.1	6.95	8.66	-11.33	-11.42	-19.00
GEW-222	7/29/2020 1:39:09 PM	42.8	42.3	0.3	14.6	100.1	100.1	1.55	4.91	-10.13	-10.09	-20.34
GEW-223	7/13/2020 10:08:48 AM	34.7	64.0	0.1	1.2	137.4	137.3	4.35	7.10	-4.37	-4.40	-18.28
GEW-223	7/13/2020 10:13:41 AM	35.5	63.3	0.2	1.0	139.1	139.0	4.93	2.73	-4.33	-4.34	-18.49
GEW-223	7/23/2020 9:36:52 AM	33.4	65.2	0.1	1.3	132.3	132.3	7.64	7.64	-4.27	-4.27	-19.12
GEW-223	7/23/2020 9:38:46 AM	33.1	64.8	0.1	2.0	133.8	134.1	5.78	3.34	-4.34	-4.42	-18.74
GEW-224	7/13/2020 11:12:18 AM	44.3	54.7	0.2	0.8	154.8	155.2	8.42	8.42	-13.15	-13.19	-18.62
GEW-224	7/13/2020 11:18:06 AM	45.5	53.2	0.2	1.1	155.6	155.6	11.94	11.99	-12.52	-12.47	-18.07
GEW-224	7/23/2020 9:43:17 AM	34.8	59.2	0.0	6.0	156.9	156.9	12.89	12.26	-12.94	-12.98	-18.70
GEW-224	7/23/2020 9:44:16 AM	34.8	59.4	0.0	5.8	156.9	156.9	13.37	11.72	-13.28	-13.28	-18.41
GEW-225	7/13/2020 11:03:55 AM	25.3	54.4	0.2	20.1	146.3	146.4	6.17	8.08	-7.74	-7.95	-18.53
GEW-225	7/13/2020 11:08:57 AM	27.0	54.1	0.2	18.7	147.6	147.7	6.73	3.10	-7.74	-7.78	-18.37
GEW-225	7/23/2020 9:50:22 AM	20.9	51.3	0.1	27.7	161.6	161.2	8.18	7.67	-8.20	-8.20	-19.12
GEW-225	7/23/2020 9:51:40 AM	20.6	52.6	0.1	26.7	161.1	161.6	8.60	9.49	-8.20	-8.20	-19.50
GEW-226	7/13/2020 10:45:09 AM	19.3	36.7	0.3	43.7	178.0	178.0	18.00	19.89	-3.67	-3.62	-18.41
GEW-226	7/13/2020 10:50:58 AM	20.5	36.8	0.3	42.4	178.0	178.0	20.76	20.69	-3.53	-3.53	-18.32
GEW-226	7/23/2020 10:00:43 AM	15.4	36.8	0.2	47.6	175.8	175.6	18.10	15.71	-3.83	-3.86	-19.50
GEW-226	7/23/2020 10:02:07 AM	15.3	36.7	0.2	47.8	176.3	175.9	18.06	17.12	-3.85	-3.82	-19.50
GEW-227	7/14/2020 9:40:18 AM	2.4	46.8	1.1	49.7	192.3	192.3	55.15	55.15	-0.07	-0.07	-18.91

July 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_2O**		
GEW-227	7/14/2020 9:46:02 AM	3.7	47.2	1.0	48.1	188.9	189.6	58.01	57.66	-0.06	-0.05	-18.66
GEW-227	7/23/2020 2:46:35 PM	6.6	41.6	0.6	51.2	186.4	186.4	8.72	8.70	-1.01	-1.00	-19.09
GEW-227	7/23/2020 2:47:39 PM	6.8	40.5	0.6	52.1	186.4	186.4	5.37	8.26	-1.01	-1.01	-19.09
GEW-228	7/1/2020 9:06:39 AM	1.5	12.7	9.1	76.7	132.9	132.6	7.33	6.15	-0.43	-0.44	-18.73
GEW-228	7/1/2020 9:07:47 AM	1.4	12.7	9.3	76.6	133.1	132.8	3.86	4.28	-0.44	-0.44	-18.91
GEW-228	7/1/2020 2:35:31 PM	1.8	20.6	6.4	71.2	153.7	153.9	5.47	4.50	-0.34	-0.33	-18.60
GEW-228	7/1/2020 2:39:31 PM	1.6	19.7	6.6	72.1	152.3	152.5	2.93	3.74	-0.24	-0.23	-18.79
GEW-228	7/14/2020 11:05:34 AM	4.5	31.0	4.1	60.4	183.9	183.9	6.68	5.99	-0.08	-0.09	-18.16
GEW-228	7/14/2020 11:12:05 AM	4.3	32.3	3.9	59.5	185.2	185.1	9.82	11.07	-0.19	-0.20	-18.37
GEW-228	7/24/2020 8:41:00 AM	3.4	29.4	3.9	63.3	190.4	190.3	3.38	3.78	-0.04	-0.04	-20.01
GEW-228	7/24/2020 8:42:46 AM	3.5	29.5	3.9	63.1	190.2	190.2	4.49	4.42	-0.02	-0.02	-20.13
GEW-229	7/14/2020 11:15:32 AM	8.5	28.2	0.0	63.3	106.5	106.5	8.81	8.22	-0.02	-0.02	-18.37
GEW-229	7/14/2020 11:21:19 AM	8.8	28.4	0.0	62.8	106.7	106.7	9.09	7.67	-0.05	-0.02	-17.94
GEW-229	7/29/2020 10:52:43 AM	9.9	28.1	0.0	62.0	105.5	105.3	4.19	4.88	-0.01	-0.01	-19.46
GEW-230	7/14/2020 2:29:49 PM	8.2	30.7	1.1	60.0	164.3	163.8	4.42	3.80	-0.07	-0.07	-18.58
GEW-230	7/14/2020 2:34:54 PM	7.9	29.8	1.2	61.1	163.8	164.3	7.74	1.76	-0.11	-0.08	-18.37
GEW-230	7/24/2020 1:54:42 PM	2.7	28.6	0.8	67.9	164.3	164.3	6.35	4.77	-0.12	-0.12	-19.40
GEW-230	7/24/2020 1:56:08 PM	2.7	28.6	0.8	67.9	163.9	163.8	6.51	5.76	-0.10	-0.10	-19.40
GEW-232	7/14/2020 1:18:30 PM	27.3	55.5	0.0	17.2	162.9	162.9	9.84	9.84	-3.03	-3.03	-18.87
GEW-232	7/14/2020 1:23:35 PM	28.2	51.5	0.0	20.3	162.9	163.3	12.32	9.47	-3.27	-3.08	-19.38
GEW-232	7/24/2020 10:55:47 AM	28.3	53.2	0.0	18.5	165.7	165.7	10.28	10.76	-2.74	-2.75	-19.03
GEW-232	7/24/2020 10:57:25 AM	28.5	53.7	0.0	17.8	166.0	165.7	11.75	11.49	-2.72	-2.73	-19.03
GEW-233	7/14/2020 9:58:34 AM	8.0	37.2	2.5	52.3	126.8	126.9	5.29	10.57	-0.38	-0.32	-16.26
GEW-233	7/14/2020 10:03:57 AM	8.1	36.0	2.5	53.4	126.9	126.9	14.28	15.45	-0.29	-0.23	-16.13
GEW-233	7/28/2020 7:54:55 AM	1.9	26.3	4.8	67.0	122.3	122.6	6.16	6.26	-0.46	-0.48	-17.69
GEW-234	7/14/2020 8:54:03 AM	1.7	39.6	5.5	53.2	197.2	197.2	11.10	11.10	-0.73	-0.73	-19.17
GEW-234	7/14/2020 9:00:11 AM	1.8	40.2	5.5	52.5	197.2	197.2	8.61	7.94	-0.65	-0.64	-19.12
GEW-234	7/24/2020 7:51:47 AM	0.6	42.8	4.4	52.2	200.8	200.8	10.24	12.21	-0.69	-0.69	-20.44
GEW-234	7/24/2020 7:53:05 AM	0.6	42.3	4.3	52.8	200.8	200.8	10.24	11.94	-0.68	-0.68	-20.50
GEW-235	7/13/2020 3:35:01 PM	29.6	49.3	0.0	21.1	144.5	144.6	20.88	4.87	-3.72	-3.71	-18.83
GEW-235	7/13/2020 3:40:21 PM	31.3	49.2	0.0	19.5	144.6	144.9	6.23	1.04	-3.74	-3.72	-18.66
GEW-235	7/22/2020 7:59:00 AM	26.5	45.7	0.0	27.8	136.2	136.5	4.22	3.80	-4.11	-4.12	-20.07
GEW-235	7/22/2020 8:00:01 AM	26.1	47.1	0.0	26.8	137.4	137.4	4.59	6.82	-4.11	-4.11	-20.20
GEW-236	7/14/2020 10:56:57 AM	4.9	24.5	8.0	62.6	187.0	187.0	11.10	2.75	-2.42	-2.49	-18.20
GEW-236	7/14/2020 11:02:23 AM	4.6	23.8	8.0	63.6	186.5	186.7	2.39	6.02	-1.78	-1.77	-17.48
GEW-236	7/24/2020 8:19:24 AM	1.3	32.0	6.5	60.2	200.1	200.1	2.45	2.81	-0.44	-0.45	-19.52
GEW-236	7/24/2020 8:21:37 AM	1.2	32.9	6.5	59.4	200.1	200.1	2.50	3.77	-0.37	-0.37	-19.77
GEW-236	7/27/2020 11:31:30 AM	1.9	49.8	0.0	48.3	203.6	203.5	2.14	4.77	-0.15	-0.17	-21.78
GEW-236	7/27/2020 11:32:35 AM	1.5	52.9	0.0	45.6	203.9	203.9	8.21	4.37	-0.16	-0.17	-20.81
GEW-237	7/10/2020 9:05:42 AM	33.3	40.2	3.0	23.5	149.9	149.9	5.40	3.75	-0.14	-0.16	-19.97

July 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_2O**		
GEW-237	7/10/2020 9:11:10 AM	33.0	40.3	3.0	23.7	150.2	150.2	6.57	16.35	-0.13	-0.14	-19.42
GEW-237	7/20/2020 2:06:08 PM	34.4	40.5	2.8	22.3	152.1	152.2	9.98	10.40	-0.19	-0.17	-18.96
GEW-237	7/20/2020 2:07:24 PM	34.3	40.7	2.8	22.2	152.5	152.5	6.29	6.29	-0.14	-0.14	-19.04
GEW-238	7/14/2020 1:02:26 PM	19.1	55.2	0.0	25.7	172.6	172.6	28.03	33.38	-2.42	-2.39	-18.07
GEW-238	7/14/2020 1:08:02 PM	18.7	57.4	0.0	23.9	172.6	172.6	32.42	31.32	-2.36	-2.39	-17.23
GEW-238	7/24/2020 9:46:58 AM	13.0	58.2	0.1	28.7	192.3	192.3	32.67	31.09	-1.46	-1.48	-18.60
GEW-238	7/24/2020 9:47:50 AM	12.9	59.4	0.0	27.7	192.3	192.3	32.71	33.81	-1.43	-1.42	-18.24
GEW-239	7/14/2020 3:11:58 PM	12.8	53.8	0.0	33.4	201.8	202.0	3.18	2.53	-0.14	-0.11	-18.45
GEW-239	7/14/2020 3:20:09 PM	17.1	50.4	0.0	32.5	201.8	202.2	9.57	12.51	-0.13	-0.17	-18.49
GEW-239	7/24/2020 1:43:34 PM	1.5	52.4	0.0	46.1	202.3	202.3	5.83	4.79	-0.17	-0.16	-19.16
GEW-239	7/24/2020 1:45:12 PM	1.3	51.5	0.0	47.2	202.3	202.3	5.07	6.57	-0.20	-0.20	-18.73
GEW-240	7/13/2020 10:35:26 AM	4.1	43.0	0.3	52.6	198.6	198.6	9.94	24.25	-0.32	-0.32	-18.49
GEW-240	7/13/2020 10:41:51 AM	4.6	43.9	0.3	51.2	198.7	198.6	9.51	2.19	-0.26	-0.21	-18.41
GEW-240	7/22/2020 2:52:28 PM	8.1	51.6	0.2	40.1	200.0	199.6	13.05	12.98	-0.32	-0.34	-19.71
GEW-240	7/22/2020 2:53:57 PM	8.1	51.8	0.2	39.9	200.1	199.7	13.05	17.43	-0.43	-0.48	-19.92
GEW-2S	7/8/2020 11:47:23 AM	59.9	36.5	0.5	3.1	104.0	104.0	8.15	8.15	-0.13	-0.13	-12.97
GEW-2S	7/8/2020 11:52:35 AM	60.2	35.4	0.4	4.0	104.6	104.7	8.58	8.14	-0.14	-0.14	-12.97
GEW-2S	7/17/2020 7:51:42 AM	64.1	32.3	0.0	3.6	90.1	90.6	7.14	8.36	0.28	0.28	-13.16
GEW-2S	7/17/2020 7:57:16 AM	62.5	31.3	0.3	5.9	89.8	89.8	7.47	9.27	-1.71	-1.73	-13.28
GEW-2S	7/23/2020 8:06:44 AM	61.3	32.2	1.0	5.5	91.9	92.0	6.13	7.75	-0.97	-1.00	-13.14
GEW-2S	7/29/2020 9:14:44 AM	58.5	36.9	0.4	4.2	94.5	94.5	8.84	8.01	-0.51	-0.49	-13.15
GIW-01	7/1/2020 2:04:40 PM	31.1	56.0	0.0	12.9	139.6	139.6	3.03	3.19	-0.06	-0.06	-17.56
GIW-01	7/1/2020 2:06:09 PM	31.3	56.1	0.0	12.6	140.9	139.8	9.08	8.03	-0.21	-0.21	-17.07
GIW-01	7/8/2020 2:42:30 PM	33.8	52.4	0.0	13.8	149.1	149.2	6.41	5.70	-0.86	-0.86	-17.14
GIW-01	7/8/2020 2:44:28 PM	33.9	52.8	0.0	13.3	149.5	149.5	6.15	7.05	-0.86	-0.86	-16.89
GIW-01	7/15/2020 7:23:30 AM	32.9	51.4	0.1	15.6	139.0	139.0	7.70	6.94	-0.82	-0.83	-18.18
GIW-01	7/15/2020 7:30:06 AM	32.6	51.7	0.0	15.7	138.0	138.0	5.80	4.24	-0.80	-0.79	-17.75
GIW-01	7/20/2020 9:42:26 AM	32.4	51.7	0.0	15.9	148.0	147.3	1.26	0.77	-0.66	-0.67	-17.20
GIW-01	7/20/2020 9:43:26 AM	31.8	52.4	0.0	15.8	147.5	147.5	3.30	4.30	-0.69	-0.69	-17.20
GIW-01	7/29/2020 7:12:51 AM	33.4	49.3	0.1	17.2	146.3	146.3	4.93	5.65	-1.06	-1.04	-19.34
GIW-01	7/29/2020 7:14:00 AM	32.7	50.4	0.0	16.9	146.3	146.3	5.25	4.09	-1.04	-1.05	-19.65
GIW-02	7/1/2020 2:01:58 PM	9.8	50.0	0.0	40.2	82.8	82.9	3.88	2.61	-0.17	-0.16	-19.03
GIW-02	7/8/2020 2:46:05 PM	10.3	42.9	2.7	44.1	108.0	108.2	6.22	3.70	-0.35	-0.33	-18.97
GIW-02	7/15/2020 7:33:56 AM	8.4	46.7	2.5	42.4	80.0	80.0	4.24	3.32	-0.30	-0.30	-20.13
GIW-02	7/15/2020 7:39:00 AM	8.3	45.6	2.5	43.6	80.2	80.1	5.25	4.07	-0.32	-0.31	-20.20
GIW-02	7/20/2020 9:46:11 AM	9.3	49.2	1.4	40.1	92.9	93.1	1.62	1.15	-0.35	-0.35	-19.22
GIW-02	7/29/2020 7:16:34 AM	9.2	45.1	2.3	43.4	84.0	84.0	3.56	2.93	-0.39	-0.39	-21.42
GIW-03	7/1/2020 2:00:34 PM	15.0	39.5	0.0	45.5	82.1	82.1	2.57	1.15	-7.81	-7.81	-19.09
GIW-03	7/8/2020 2:48:17 PM	22.8	41.3	0.0	35.9	104.8	104.8	3.30	3.11	-8.30	-8.30	-18.79
GIW-03	7/15/2020 7:42:36 AM	20.7	42.8	0.0	36.5	79.6	79.6	3.05	2.82	-8.85	-8.85	-20.20

July 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_2O**		
GIW-03	7/15/2020 7:48:07 AM	21.5	40.1	0.1	38.3	79.6	79.6	3.45	3.45	-8.85	-8.85	-20.20
GIW-03	7/20/2020 9:48:42 AM	21.2	44.9	0.0	33.9	94.1	94.1	1.59	1.95	-7.81	-7.81	-19.16
GIW-03	7/29/2020 7:19:10 AM	21.7	44.6	0.0	33.7	80.7	80.7	1.31	3.31	-8.79	-8.79	-21.42
GIW-04	7/1/2020 1:57:38 PM	24.3	46.6	0.0	29.1	82.2	82.1	3.85	3.28	-3.45	-3.45	-19.03
GIW-04	7/8/2020 2:50:23 PM	25.9	43.1	0.5	30.5	102.2	102.3	3.16	3.16	-4.07	-4.07	-18.73
GIW-04	7/15/2020 7:51:46 AM	24.2	45.9	0.3	29.6	81.0	81.0	3.85	4.02	-4.68	-4.67	-20.13
GIW-04	7/15/2020 7:57:35 AM	24.2	45.9	0.2	29.7	81.2	81.2	4.18	4.02	-4.59	-4.59	-20.13
GIW-04	7/20/2020 9:51:44 AM	20.1	43.5	1.3	35.1	98.2	98.2	2.98	1.95	-4.45	-4.45	-19.09
GIW-04	7/29/2020 7:22:10 AM	24.3	45.3	0.5	29.9	88.3	88.3	3.09	2.87	-4.72	-4.72	-21.11
GIW-05	7/1/2020 1:55:33 PM	32.0	40.4	0.4	27.2	83.7	83.5	3.36	3.27	-5.37	-5.37	-18.91
GIW-05	7/8/2020 2:53:28 PM	31.8	35.0	1.9	31.3	106.5	106.5	4.95	3.84	-4.88	-4.88	-18.97
GIW-05	7/15/2020 8:01:47 AM	29.9	35.1	1.6	33.4	81.9	81.9	6.23	6.12	-5.43	-5.43	-19.89
GIW-05	7/15/2020 8:06:25 AM	32.5	32.9	1.0	33.6	81.9	81.9	5.17	5.17	-5.19	-5.19	-20.20
GIW-05	7/20/2020 9:54:23 AM	29.6	36.3	1.2	32.9	104.0	104.0	1.11	1.57	-6.28	-6.28	-18.97
GIW-05	7/29/2020 7:25:55 AM	29.4	34.8	1.7	34.1	91.4	91.4	4.28	3.45	-6.83	-6.83	-21.18
GIW-06	7/1/2020 1:51:59 PM	36.6	41.6	0.0	21.8	82.6	82.6	1.12	1.94	-18.12	-18.12	-19.22
GIW-06	7/8/2020 2:55:36 PM	36.4	39.5	0.0	24.1	105.4	105.4	2.63	3.03	-18.18	-18.18	-18.67
GIW-06	7/15/2020 8:10:07 AM	34.6	39.7	0.0	25.7	81.2	81.2	2.79	2.86	-19.16	-19.16	-19.83
GIW-06	7/15/2020 8:17:36 AM	34.7	39.9	0.0	25.4	81.2	81.2	2.50	2.74	-19.10	-19.10	-19.77
GIW-06	7/20/2020 9:56:52 AM	34.8	39.1	0.0	26.1	93.9	93.8	1.55	3.10	-18.06	-18.06	-18.67
GIW-06	7/29/2020 7:27:18 AM	34.9	38.8	0.0	26.3	84.9	84.8	2.78	2.78	-20.13	-20.13	-21.05
GIW-07	7/1/2020 1:49:45 PM	52.0	43.7	0.0	4.3	83.5	83.5	2.85	2.33	-1.71	-1.71	-19.09
GIW-07	7/8/2020 2:57:34 PM	52.5	42.5	0.3	4.7	103.0	103.0	6.35	3.89	-2.09	-2.08	-18.60
GIW-07	7/15/2020 8:20:38 AM	48.5	42.6	0.8	8.1	81.7	81.7	5.34	4.36	-2.18	-2.17	-20.13
GIW-07	7/15/2020 8:25:48 AM	51.2	44.4	0.1	4.3	81.7	81.7	4.20	4.20	-2.16	-2.15	-19.95
GIW-07	7/20/2020 9:58:41 AM	49.6	43.8	0.2	6.4	98.7	98.9	1.96	1.60	-2.17	-2.17	-18.85
GIW-07	7/29/2020 7:29:13 AM	49.7	44.0	0.2	6.1	86.3	86.3	4.21	3.12	-2.47	-2.47	-21.11
GIW-08	7/1/2020 1:47:41 PM	46.2	42.8	0.0	11.0	84.2	84.2	2.59	2.32	-2.16	-2.15	-19.22
GIW-08	7/8/2020 2:59:44 PM	49.1	42.7	0.0	8.2	107.8	108.0	3.14	4.16	-2.30	-2.29	-17.87
GIW-08	7/15/2020 8:29:35 AM	46.3	43.1	0.0	10.6	81.7	81.7	6.05	4.20	-2.65	-2.63	-20.01
GIW-08	7/15/2020 8:34:43 AM	46.6	43.2	0.0	10.2	81.7	81.7	4.03	3.86	-2.63	-2.62	-19.95
GIW-08	7/20/2020 10:00:54 AM	48.0	43.4	0.0	8.6	102.5	102.5	1.12	2.51	-2.48	-2.48	-18.91
GIW-08	7/29/2020 7:32:07 AM	47.4	42.9	0.0	9.7	85.4	85.4	3.12	3.12	-2.95	-2.94	-21.05
GIW-09	7/1/2020 1:45:38 PM	27.4	38.7	0.0	33.9	84.0	84.0	3.49	3.29	-0.90	-0.91	-19.22
GIW-09	7/8/2020 3:01:47 PM	29.0	38.5	0.0	32.5	100.8	100.9	2.53	3.19	-0.95	-0.95	-19.09
GIW-09	7/15/2020 8:37:57 AM	26.1	38.2	0.0	35.7	82.1	82.1	3.69	2.61	-1.07	-1.06	-20.07
GIW-09	7/15/2020 8:45:53 AM	26.1	39.5	0.0	34.4	81.9	81.9	5.60	4.05	-1.09	-1.07	-19.83
GIW-09	7/20/2020 10:03:12 AM	27.3	38.4	0.0	34.3	99.6	99.9	1.60	1.60	-1.09	-1.09	-18.67
GIW-09	7/29/2020 7:34:32 AM	27.0	33.7	0.1	39.2	89.1	89.3	3.11	3.11	-1.27	-1.27	-21.05
GIW-10	7/1/2020 11:25:59 AM	24.3	32.9	0.0	42.8	75.2	75.2	1.18	1.66	-3.56	-3.55	-18.91

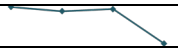
July 2020 Wellfield Monitoring Data - Bridgeton Landfill												
Well Name	**Date Sampled**	**Methane**	**CO_2**	**O_2**	**Balance Gas**	**Init Temp**	**Adj Temp**	**Init Flow**	**Adj Flow**	**Init Static Press**	**Adj Static Press**	**System Pressure**
		(% vol)				**°F**		**scfm**		**H_2O**		
GIW-10	7/8/2020 3:03:43 PM	27.7	33.9	0.0	38.4	102.2	102.2	1.94	1.58	-3.42	-3.41	-19.03
GIW-10	7/15/2020 8:47:11 AM	25.0	33.9	0.0	41.1	81.9	81.9	2.01	2.60	-3.69	-3.69	-20.07
GIW-10	7/15/2020 8:52:48 AM	25.1	32.3	0.0	42.6	81.9	81.9	4.02	2.32	-3.70	-3.69	-19.83
GIW-10	7/20/2020 10:05:20 AM	24.7	34.4	0.0	40.9	97.2	97.2	3.39	1.60	-3.67	-3.66	-18.85
GIW-10	7/29/2020 7:36:31 AM	25.2	34.0	0.0	40.8	81.7	81.7	2.91	3.14	-4.02	-4.02	-21.36
GIW-11	7/1/2020 11:23:55 AM	25.7	33.9	0.2	40.2	75.2	75.2	5.78	5.28	-2.30	-2.30	-15.06
GIW-11	7/8/2020 3:06:53 PM	25.6	32.7	0.1	41.6	100.0	100.1	1.13	2.76	-2.16	-2.17	-15.24
GIW-11	7/15/2020 8:56:30 AM	23.6	32.5	0.2	43.7	81.9	81.9	2.85	2.85	-2.41	-2.41	-15.67
GIW-11	7/15/2020 9:03:12 AM	23.7	31.8	0.2	44.3	82.1	82.1	3.29	2.85	-2.37	-2.37	-15.48
GIW-11	7/20/2020 10:07:47 AM	25.1	33.2	0.3	41.4	99.6	99.5	3.19	4.07	-2.33	-2.35	-16.16
GIW-11	7/29/2020 7:38:53 AM	23.2	32.3	0.4	44.1	88.1	88.2	4.35	5.79	-2.56	-2.56	-19.65
GIW-12	7/1/2020 11:21:52 AM	34.1	39.2	0.3	26.4	74.5	74.5	1.19	1.19	-0.37	-0.37	-19.09
GIW-12	7/8/2020 3:08:25 PM	31.2	34.8	0.1	33.9	98.4	98.4	2.27	2.27	-0.36	-0.36	-19.03
GIW-12	7/15/2020 9:06:53 AM	31.2	36.0	0.1	32.7	82.1	82.1	2.87	2.62	-0.33	-0.34	-19.77
GIW-12	7/15/2020 9:12:55 AM	31.3	36.2	0.2	32.3	82.6	82.6	5.36	3.88	-0.37	-0.36	-19.65
GIW-12	7/20/2020 10:10:37 AM	32.8	35.6	0.5	31.1	101.8	102.1	2.52	1.13	-0.40	-0.40	-18.85
GIW-12	7/29/2020 7:41:30 AM	29.7	34.4	0.6	35.3	91.0	91.2	2.89	2.39	-0.45	-0.45	-21.05
GIW-13	7/1/2020 11:19:41 AM	40.9	43.8	0.0	15.3	73.9	73.9	2.37	2.65	-1.13	-1.13	-13.22
GIW-13	7/8/2020 3:12:46 PM	43.1	41.7	0.0	15.2	99.4	99.4	2.26	2.77	-1.28	-1.28	-11.75
GIW-13	7/15/2020 10:16:20 AM	43.7	45.0	0.0	11.3	84.1	84.1	3.86	2.85	-1.13	-1.13	-12.67
GIW-13	7/15/2020 10:21:37 AM	43.7	44.2	0.0	12.1	83.8	83.7	5.21	3.49	-1.15	-1.16	-12.36
GIW-13	7/20/2020 10:12:07 AM	43.3	43.8	0.0	12.9	101.6	101.6	3.38	2.76	-1.22	-1.21	-11.63
GIW-13	7/29/2020 7:43:20 AM	41.4	43.3	0.0	15.3	91.7	92.0	2.68	2.60	-1.37	-1.37	-14.57
LCS-1D	7/13/2020 2:58:26 PM	53.9	40.2	0.8	5.1	101.8	101.6	2.52	3.18	-1.61	-1.62	-14.75
LCS-1D	7/27/2020 9:30:59 AM	52.5	38.5	1.2	7.8	77.1	77.1	3.71	3.32	-2.63	-2.65	-17.93
LCS-2D	7/13/2020 11:46:52 AM	53.8	41.0	0.4	4.8	98.7	98.9	5.89	5.89	-18.00	-18.00	-18.18
LCS-2D	7/29/2020 11:26:40 AM	54.7	45.3	0.0	0.0	109.0	109.0	1.06	1.83	-18.91	-18.57	-19.24
LCS-3D	7/13/2020 2:28:49 PM	28.8	55.5	0.0	15.7	165.5	165.2	5.22	4.19	-11.23	-11.23	-19.58
LCS-3D	7/13/2020 2:30:09 PM	28.8	54.2	0.0	17.0	165.2	165.2	9.47	7.52	-11.35	-11.35	-18.12
LCS-3D	7/22/2020 2:32:23 PM	29.0	60.5	0.2	10.3	166.1	166.1	9.29	9.29	-8.79	-8.79	-16.05
LCS-3D	7/22/2020 2:33:54 PM	29.0	62.0	0.2	8.8	166.0	166.1	14.50	27.09	-8.67	-8.79	-16.89
LCS-4B	7/13/2020 1:38:26 PM	5.7	17.1	13.9	63.3	99.1	99.1	5.57	6.59	-7.87	-7.87	-18.73
LCS-4B	7/13/2020 1:39:30 PM	6.5	20.5	13.0	60.0	98.4	98.2	3.86	2.98	-7.87	-7.87	-18.85
LCS-4B	7/22/2020 9:23:32 AM	4.3	16.4	15.5	63.8	86.3	86.3	3.19	4.92	-11.78	-11.78	-19.34
LCS-4B	7/22/2020 9:25:45 AM	7.7	27.6	11.7	53.0	86.1	86.1	2.51	2.37	-15.68	-15.68	-19.22
LCS-5A	7/8/2020 9:01:51 AM	56.3	40.7	0.0	3.0	96.3	96.5	7.91	6.45	-10.61	-10.66	-12.64
LCS-5A	7/15/2020 7:51:36 AM	57.2	42.0	0.0	0.8	89.1	89.3	10.70	15.34	-10.95	-10.95	-12.59
LCS-5A	7/22/2020 7:51:24 AM	56.9	41.6	0.0	1.5	97.3	97.3	40.50	44.41	-2.00	-2.01	-13.65
LCS-5A	7/29/2020 8:19:21 AM	53.6	43.6	0.0	2.8	97.3	97.2	30.89	37.22	-1.39	-1.37	-13.62
LCS-5B	7/8/2020 9:22:34 AM	54.0	42.0	0.0	4.0	138.5	138.6	16.93	12.46	-11.59	-11.59	-13.06

July 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_2O**		
LCS-5B	7/8/2020 9:23:33 AM	54.1	41.8	0.0	4.1	138.7	138.7	15.27	11.98	-11.25	-11.25	-13.10
LCS-5B	7/15/2020 8:04:48 AM	55.2	42.6	0.0	2.2	128.0	128.9	20.20	16.25	-11.97	-11.97	-12.97
LCS-5B	7/22/2020 8:59:03 AM	54.8	43.1	0.0	2.1	139.7	139.6	18.83	16.45	-9.47	-9.47	-13.06
LCS-5B	7/22/2020 9:01:07 AM	54.9	42.9	0.0	2.2	139.7	139.7	20.35	28.46	-9.81	-9.81	-13.31
LCS-5B	7/29/2020 8:31:53 AM	54.6	42.2	0.0	3.2	138.4	138.1	15.96	17.22	-11.14	-11.14	-13.15
LCS-5B	7/29/2020 8:33:44 AM	54.4	42.1	0.0	3.5	138.3	138.0	20.23	24.36	-11.10	-11.14	-13.15
LCS-6B	7/8/2020 2:06:53 PM	53.5	42.9	0.0	3.6	108.5	108.5	5.28	5.91	-0.83	-0.82	-12.85
LCS-6B	7/15/2020 9:23:41 AM	54.6	42.9	0.0	2.5	100.6	100.6	13.16	13.69	-0.77	-0.76	-12.68
LCS-6B	7/22/2020 10:11:07 AM	54.0	42.7	0.0	3.3	104.7	104.6	9.20	9.20	-1.44	-1.43	-13.14
LCS-6B	7/29/2020 9:29:23 AM	53.3	41.8	0.0	4.9	101.3	101.4	9.60	6.52	-0.99	-0.99	-13.07
SEW-002	7/13/2020 11:10:39 AM	32.0	38.2	4.6	25.2	103.3	103.3	0.69	0.85	-11.78	-11.78	-12.36
SEW-002	7/29/2020 10:05:15 AM	30.9	39.7	3.9	25.5	105.0	104.8	5.79	3.02	-12.75	-12.75	-12.79
SEW-003	7/13/2020 3:28:00 PM	3.7	52.6	0.3	43.4	107.5	107.5	3.54	3.54	-0.07	-0.06	-18.91
SEW-003	7/27/2020 11:30:37 AM	3.1	43.6	0.0	53.3	82.6	82.6	4.38	4.38	-0.04	-0.04	-20.93
T-56	7/8/2020 3:02:28 PM	54.0	36.5	0.0	9.5	84.0	83.9	13.27	13.27	-0.01	-0.01	-13.90
T-56	7/15/2020 9:40:40 AM	52.1	37.2	0.0	10.7	80.4	80.4	18.22	18.84	-0.06	-0.06	-13.31
T-56	7/22/2020 10:25:08 AM	54.0	38.8	0.0	7.2	74.9	75.0	16.50	12.16	-0.02	-0.02	-13.44
T-56	7/29/2020 9:45:11 AM	53.1	37.1	0.0	9.8	83.6	83.7	12.31	11.68	-0.03	-0.03	-12.98

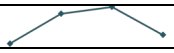
ATTACHMENT D-2

MAXIMUM WELLHEAD TEMPERATURE TABLE

Wellfield Temperature - Bridgeton Landfill

Well Name					Temp Trend	Comments
	April 2020	May 2020	June 2020	July 2020	><30°F	
GEW-002	112.6	109.1	109.8	113.5		
GEW-003	116.0	110.7	117.3	120.0		
GEW-004	112.4	110.0	113.1	114.7		
GEW-005	85.4	81.7	87.5	92.7		
GEW-006	86.1	81.9	89.1	91.4		
GEW-007	92.2	92.7	95.9	96.0		
GEW-008	113.2	112.3	113.7	113.6		
GEW-009	122.3	122.3	123.9	122.1		
GEW-010	92.6	99.7	108.3	105.9		
GEW-013A	188.3	188.9	190.7	182.7		
GEW-015	105.5	114.8	128.6	125.6		
GEW-016R	169.0	166.1	169.5	168.5		
GEW-018B	194.3	196.1	200.1	197.9		
GEW-019A	79.6	87.7	107.5	109.5		
GEW-039	106.0	108.5	110.8	113.0		
GEW-040	84.4	85.1	104.8	102.3		
GEW-041R	89.6	88.9	98.4	109.2		
GEW-042R	103.5	104.0	106.0	107.7		
GEW-043R	115.5	115.3	115.6	116.8		
GEW-044	81.9	71.8	91.5	103.0		
GEW-045R	94.6	92.2	97.0	102.5		
GEW-046R	99.6	94.6	99.6	105.2		
GEW-047R	104.4	98.4	104.8	108.2		
GEW-048	98.0	95.9	98.9	100.8		
GEW-049	88.4	80.0	96.2	103.8		
GEW-050	99.3	99.7	104.5	103.8		
GEW-051	117.6	117.8	121.0	121.8		
GEW-052	103.0	103.6	110.3	110.0		
GEW-053	142.5	142.2	143.5	143.9		
GEW-054	146.0	146.3	146.3	146.3		
GEW-055	128.0	128.3	130.6	130.6		
GEW-056R	110.1	112.0	121.8	118.3		
GEW-057B	164.3	142.5	162.9	176.9		
GEW-058A	117.6	104.3	129.4	133.8		
GEW-059R	139.3	110.2	146.3	137.1		
GEW-067A	199.3	192.3	195.8	139.9		
GEW-068A	191.7	182.7	200.9	198.6		
GEW-078R	151.3	153.3	158.1	161.5		
GEW-082R	171.6	171.0	173.6	173.6		

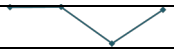
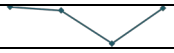
Wellfield Temperature - Bridgeton Landfill

Well Name					Temp Trend	Comments
	April 2020	May 2020	June 2020	July 2020	><30°F	
GEW-086	187.9	162.9	171.6	176.9		
GEW-087	148.8	180.9	188.4	158.1		
GEW-088	181.9	181.3	183.9	183.3		
GEW-090	168.5	165.7	167.1	169.5		
GEW-091	170.0	201.6	199.3	200.8		
GEW-100	174.2	159.4	165.7	174.7		
GEW-101	82.1	82.6	110.2	99.6		
GEW-102	79.4	74.1	96.2	103.6		
GEW-104	175.3	186.4	194.3	187.6		
GEW-105	123.4	124.5	141.9	139.0		
GEW-106	179.0	166.6	180.7	171.6		
GEW-107	137.1	122.9	141.9	142.2		
GEW-108	168.1	162.4	165.7	165.7		
GEW-109	85.6	103.0	101.9	112.2		
GEW-110	107.2	101.6	118.4	129.4		
GEW-113	178.6	177.5	180.0	179.2		
GEW-116	154.0	146.8	150.6	150.3		
GEW-117	143.9	124.7	137.7	149.1		
GEW-118	200.1	194.3	195.7	198.6		
GEW-120	102.8	108.5	113.7	120.5		
GEW-121	141.9	150.2	153.7	153.3		
GEW-122	90.8	109.5	114.5	118.4		
GEW-123	63.5	93.4	105.6	116.3		
GEW-124	57.0	78.9	90.5	94.4		
GEW-125	60.9	83.0	95.3	107.5		
GEW-126	57.8	86.1	96.0	107.5		
GEW-127	66.3	106.1	122.1	117.3		
GEW-128	--	--	--	--		Temporarily decommissioned
GEW-129	114.8	122.6	128.5	128.9		
GEW-130	155.6	155.7	156.5	154.0		
GEW-131	107.2	128.6	135.9	141.9		
GEW-132	133.8	135.5	142.2	141.9		
GEW-133	85.3	87.0	158.3	157.3		
GEW-134	91.0	97.2	104.8	107.2		
GEW-135	112.0	118.9	132.9	126.7		
GEW-137	81.9	90.4	107.5	105.9		
GEW-138	--	--	--	--		Temporarily decommissioned

Wellfield Temperature - Bridgeton Landfill

Well Name					Temp Trend	Comments
	April 2020	May 2020	June 2020	July 2020	><30°F	
GEW-139	158.5	161.1	157.7	160.7		
GEW-140	120.5	139.6	149.9	147.7		
GEW-144	69.2	80.3	97.2	98.7		
GEW-145	81.4	79.8	105.7	104.8		
GEW-147	164.7	162.0	165.2	162.9		
GEW-148	159.0	154.8	162.9	162.1		
GEW-149	85.1	89.6	91.7	102.1		
GEW-150	171.5	176.6	176.4	169.0		
GEW-151	70.3	91.9	100.1	106.4		
GEW-152	110.2	91.7	122.3	110.2		
GEW-153	123.2	116.3	126.1	125.3		
GEW-154	--	--	--	--		Temporarily decommissioned
GEW-155	--	--	--	--		Temporarily decommissioned
GEW-156	105.2	109.2	128.3	131.7		
GEW-157	92.0	100.4	117.1	110.9		
GEW-158	101.1	110.5	126.9	118.1		
GEW-159	--	--	--	--		Temporarily decommissioned
GEW-160	95.8	91.0	96.7	104.0		
GEW-161	107.2	109.7	109.7	123.7		
GEW-162	95.5	91.2	94.3	102.8		
GEW-163	129.7	130.6	138.3	133.3		
GEW-164	142.5	143.2	143.5	142.7		
GEW-165	142.5	145.6	149.2	148.0		
GEW-166	170.0	166.6	171.0	168.5		
GEW-167	149.5	138.7	153.3	151.3		
GEW-168	89.6	106.5	105.7	120.7		
GEW-169	98.7	123.5	128.9	139.0		
GEW-170	123.9	136.5	141.8	145.2		
GEW-171	57.7	76.3	111.5	112.0		
GEW-172	154.1	152.1	158.1	151.7		
GEW-173	--	--	--	--		Temporarily decommissioned
GEW-174	116.0	118.7	128.3	128.8		
GEW-175	137.1	135.5	136.5	136.9		
GEW-176	--	--	--	--		Temporarily decommissioned
GEW-177	170.6	169.5	169.0	168.3		
GEW-178	77.1	84.7	107.1	102.5		

Wellfield Temperature - Bridgeton Landfill

Well Name					Temp Trend	Comments
	April 2020	May 2020	June 2020	July 2020	><30°F	
GEW-179	93.4	95.8	103.8	103.8		
GEW-180	90.3	92.7	101.3	102.3		
GEW-181	83.5	79.7	100.7	102.5		
GEW-182	--	--	--	--		Temporarily decommissioned
GEW-184	--	--	--	--		Temporarily decommissioned
GEW-185	109.7	128.3	124.2	121.0		
GEW-186	69.9	95.5	101.8	104.8		
GEW-187	107.5	114.5	116.0	119.4		
GEW-188	--	--	--	--		Temporarily decommissioned
GEW-217	183.4	183.9	127.5	179.2		
GEW-218	101.1	114.0	125.0	125.8		
GEW-219	--	--	--	--		Temporarily decommissioned
GEW-220	187.8	181.5	185.8	183.9		
GEW-221	115.0	101.3	129.2	134.1		
GEW-222	79.4	79.3	106.5	100.1		
GEW-223	90.3	110.8	138.7	139.1		
GEW-224	151.7	152.1	157.3	156.9		
GEW-225	164.3	156.5	155.6	161.6		
GEW-226	178.7	178.0	180.3	178.0		
GEW-227	182.6	193.6	193.6	192.3		
GEW-228	197.2	190.2	198.7	190.4		
GEW-229	90.4	98.1	122.6	106.7		
GEW-230	163.4	164.9	163.3	164.3		
GEW-231	--	--	--	--		Temporarily decommissioned
GEW-232	168.5	165.2	170.6	166.0		
GEW-233	85.6	112.1	139.6	126.9		
GEW-234	200.8	204.7	203.9	200.8		
GEW-235	117.9	129.4	143.9	144.9		
GEW-236	205.4	201.1	203.9	203.9		
GEW-237	156.4	152.1	153.7	152.5		
GEW-238	198.6	191.1	189.6	192.3		
GEW-239	203.1	202.3	201.8	202.3		
GEW-240	201.5	197.9	165.7	200.1		
GEW-2S	86.4	71.4	98.9	104.7		
GIW-01	152.1	142.5	142.5	149.5		
GIW-02	105.4	93.1	87.0	108.2		

Wellfield Temperature - Bridgeton Landfill

Well Name					Temp Trend	Comments
	April 2020	May 2020	June 2020	July 2020	><30°F	
GIW-03	100.6	93.4	88.2	104.8		
GIW-04	103.0	90.1	91.0	102.3		
GIW-05	102.8	96.0	96.5	106.5		
GIW-06	102.5	92.2	89.8	105.4		
GIW-07	102.3	90.8	90.5	103.0		
GIW-08	107.0	98.6	92.9	108.0		
GIW-09	98.3	91.2	94.1	100.9		
GIW-10	101.1	93.3	89.8	102.2		
GIW-11	99.1	92.9	98.1	100.1		
GIW-12	100.5	91.9	97.2	102.1		
GIW-13	100.1	94.1	99.7	101.6		
LCS-1D	79.8	85.6	104.0	101.8		
LCS-2D	77.5	78.9	105.0	109.0		
LCS-3D	131.4	124.9	155.3	166.1		
LCS-4B	63.5	85.5	94.4	99.1		
LCS-5A	90.3	92.5	99.5	97.3		
LCS-5B	133.2	130.3	134.7	139.7		
LCS-6B	107.7	91.3	106.0	108.5		
SEW-002	75.5	82.8	106.6	105.0		
SEW-003	82.8	95.6	95.0	107.5		
T-56	68.8	64.4	80.4	84.0		

-- = 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	1,528,361.41	
6	0.00	1.00	4,110.16	

LEGEND

- 12-10-2019 TOPOGRAPHY (2' CONTOUR)
- 500 — 12-10-2019 TOPOGRAPHY (10' CONTOUR)
- .25 — MINOR ELEVATION CHANGE CONTOUR (0.25 FEET)
- .50 — MAJOR ELEVATION CHANGE CONTOUR (0.50 FEET)
- -.03 — SPOT ELEVATION DIFFERENCE (6-17-2020 to 7-17-2020)
- 7–2020 — *SETTLEMENT FRONT CONTOUR FOR AREA WITH 1.35' PER 30 DAYS FOR CURRENT PERIOD OF DAYS

*NONE FOR JULY 2020

MAXIMUM SETTLEMENT: -0.31'
PT# 1175 ON CLAY

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 6-17-20 FROM SPOT ELEVATIONS SURVEYED ON 7-17-20.
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.

N

0 200 400 Feet

BRIDGETON LANDFILL, LLC
13570 SAINT CHARLES ROCK RD
BRIDGETON, MO 63044

BRIDGETON LANDFILL
SETTLEMENT MONITORING

SETTLEMENT MAP 6/17/2020 - 7/17/2020

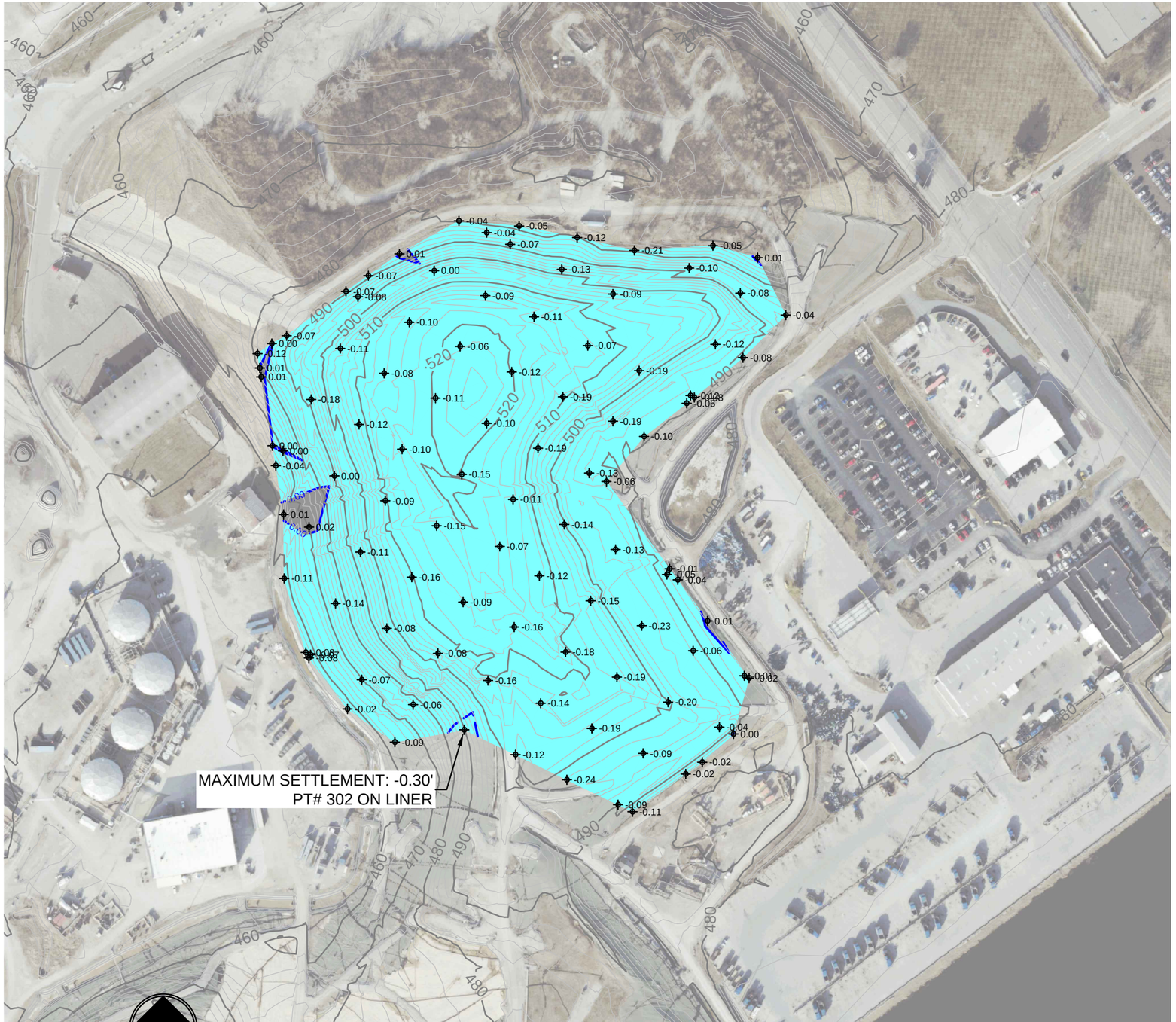
PROJECT NUMBER: BT-145 | FILE PATH: C:\Users\plins\Dropbox (Feezor Engineering)\Bridgeton\100-149\BT-145 (Agreed Order Reporting)\Monthly Reports\2020\07-2020 Report\Internal Draft\Site Data\Settlement\Settlement And Fill 7-17-2020.dwg

Engineering for a Better World
FEEZOR ENGINEERING, INC.

REVISION	DATE

JULY 2020
DESIGNED BY: PL
APPROVED BY: DRF

DRAWING NO.: 001



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	635,831.00	
6	0.00	1.00	6,356.01	

LEGEND

- 12-10-2019 TOPOGRAPHY (2' CONTOUR)
- 500 — 12-10-2019 TOPOGRAPHY (10' CONTOUR)
- .25 — MINOR ELEVATION CHANGE CONTOUR (0.25 FEET)
- .50 — MAJOR ELEVATION CHANGE CONTOUR (0.50 FEET)
- -.03 — SPOT ELEVATION DIFFERENCE (4-20-2020 to 7-17-2020)
- *7–2020* — *SETTLEMENT FRONT CONTOUR FOR AREA WITH 3.96' PER 88 DAYS FOR CURRENT PERIOD OF DAYS

*NONE FOR 4-20-2020 THROUGH 7-17-2020

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 7-17-20 FROM SPOT ELEVATIONS SURVEYED ON 4-20-20.
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 - N. QUARRY 4/20/2020 - 7/17/2020

PROJECT NUMBER: BT-145 | FILE PATH: C:\Users\plins\Dropbox (Feezor Engineering)\Bridgeton\100-149\BT-145 (Agreed Order Reporting)\Quarterly Settlement\2020-07\Quarterly NQ Settlement 7-17-2020.dwg

Engineering for a Better World
FEEZOR ENGINEERING, INC.

JULY 2020	
DESIGNED BY: PL	
APPROVED BY: DRF	
REVISION	DATE

DRAWING NO.: **003**

ATTACHMENT F

LIQUID CHARACTERIZATION DATA AND DISCHARGE LOG

Bridgeton Landfill - Leachate PreTreatment Plant

July 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
7/1/2020	LPTP Activated Sludge/ Permeate	Tank 1 (T1)	MBI	0
7/2/2020				0
7/3/2020				0
7/4/2020				0
7/5/2020				0
7/6/2020				0
7/7/2020				0
7/8/2020				0
7/9/2020				0
7/10/2020				0
7/11/2020				0
7/12/2020				0
7/13/2020				0
7/14/2020				0
7/15/2020				0
7/16/2020				0
7/17/2020				0
7/18/2020				0
7/19/2020				0
7/20/2020				0
7/21/2020				0
7/22/2020				0
7/23/2020				0
7/24/2020				0
7/25/2020				0
7/26/2020				0
7/27/2020				0
7/28/2020				0
7/29/2020				0
7/30/2020				0
7/31/2020				0
			Total	**0**

Direct Discharge to MSD

Date	Waste	Source	Quantity (gal)
7/1/2020	LPTP Permeate	Through Tank AST 97k (MSD Sampling Point 013)	182,786
7/2/2020			177,578
7/3/2020			177,146
7/4/2020			143,412
7/5/2020			73,524
7/6/2020			77,130
7/7/2020			80,388
7/8/2020			183,754
7/9/2020			167,282
7/10/2020			163,022
7/11/2020			159,342
7/12/2020			157,196
7/13/2020			153,806
7/14/2020			127,664
7/15/2020			69,860
7/16/2020			71,076
7/17/2020			82,330
7/18/2020			215,358
7/19/2020			125,472
7/20/2020			46,056
7/21/2020			119,896
7/22/2020			171,046
7/23/2020			109,746
7/24/2020			158,984
7/25/2020			143,636
7/26/2020			154,290
7/27/2020			159,184
7/28/2020			133,992
7/29/2020			123,550
7/30/2020			127,000
7/31/2020			88,258
		Total	**4,123,764**

ATTACHMENT G

VOLUMES OF LEACHATE PROCESSED

Bridgeton Landfill - Leachate Volumes
July 2020

Total volume of leachate from the individual leachate collection sumps during the month. Additional non-LCS leachate was colleted and the total volume was 2,321,053 gallons. Therefore, the total leachate collected was 3,358,854 gallons.

ID	Volume
LCS -1D	0
LCS-2D	0
LCS-3D	145,023
LCS-4B	0
LCS-5A	862,606
LCS-5B	28,224
LCS-6B	1,948

ATTACHMENT H

SLIP FAILURE AND SEPARATION ASSESSMENT

July 28, 2020

Ms. Erin Fanning
Division Manager
Bridgeton Landfill, LLC.
13570 Saint Charles Rock Road
Bridgeton, MO 63044

RE: Bridgeton Slip Failure and Separation Assessment
2nd Quarter 2020 Inspection

Dear Erin

On June 18, 2020, I performed an inspection of the Bridgeton Landfill for the purpose of identifying any visual evidence of instability or incipient failure. The inspection included the North and South Quarry fill areas. This inspection was for the 2nd quarter of 2020. The previous inspection was performed on March 17, 2020.

The observation of the slopes for both the North and South Quarry areas was performed to look for telltale signs of movements related to instability, including areas of suspension of the membrane on the upslope areas that would result if scarping, not visible due to the temporary membrane cap, existed. In addition, areas that showed indicated localized differential settlement were walked over to determine if any open tension cracking, an indication of separation, was present. The observations were made while walking along the areas within the landfill boundaries.

The inspection did not identify any previously unobserved (and reported) movements or signs of movement within the North or South Quarry that could be potential signs of instability. The landfill surface in the South Quarry shows signs of continued settlement with minor areas of tension in the membrane along the eastern side approximately above the underlying Quarry wall related to differential settlement in the area.

Since the quarterly inspections were begun in 2013, the sloping portions of the landfill are noticeably flatter and therefore, less prone to instability. As mentioned in the past few inspection reports, there are very few areas within the heat-affected portions of the South Quarry that have slopes exceeding 20%. This general reduction in vertical relief has essentially eliminated any potential for instability of any consequence in the South Quarry. The only slopes that are close to the original ground surface slopes in the South Quarry are those south of the neck area. These areas were examined for any signs of movement and none was observed.

Fill materials continue to be placed in the locally depressed areas to allow for drainage of stormwater in the South Quarry. The areas east of the main fills in South Quarry exhibit signs of differential settlement along the vertical projection of the Quarry wall. No open tension cracking was indicated in area of the differential settlement when pressing the membrane down to contact the underlying ground surface in this area. Fill material placement was ongoing in the low areas to the inside the quarry wall limits along the south portion of the South Quarry.

The North Quarry cap construction has been completed since the second quarter inspection of 2017. No signs of instability were observed in the North Quarry.

In addition, a review of the monthly settlement at grid points in the South Quarry for the past quarter and settlement in the North Quarry between April 20, 2020 and July 17, 2020 was performed. I did not see any indication of instability in the data. No indication of instability was observed in the South Quarry based on settlement patterns. As mentioned in previous reports, the Bridgeton site has not exhibited a coupling of instability and settlement. .

This is the thirty-first (31) review I have performed of this type at the Bridgeton Landfill since the fall of 2012. To date, no signs of impending instability of any consequence has been identified or occurred.

I hope this information is helpful to you. Please call if there are any questions.

.

Sincerely,

Peter Carey, P.E.
Feezor Engineering, Inc.