

Bridgeton Landfill, LLC

Monthly Data Submittals

December 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

Provided Separately:

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

January 20, 2021

Commentary on Data

January 20, 2021

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 981 SCFM, as normalized per the MDNR weekly flow and TRS sampling results.

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 20 GEW wells and 1 LCS well that are experiencing low or restricted flows that exhibit low gas flow due to the cooling loops that are installed in these wells. By the end of the month, 16 of the GEW wells still exhibited oxygen levels at or greater than 5% at the wellhead, while oxygen in the LCS well was below 5%. 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 vertical well (excluding GIW wells) increased by 30°F or more and ten 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 (47 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 were decommissioned in the latter half

of 2020. This investigation will continue into the First Quarter 2021. Wellfield expansion and abandonment activities were reported in the quarterly Landfill Gas Corrective Action Update.

Settlement

- The South Quarry exhibited monthly maximum settlement up to 0.22 feet over 34 days during this reporting period (see Attachment E).

Bird Monitoring and Mitigation

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

Natural Gas Usage

- Natural gas was used as a supplemental fuel for the destruction of landfill gas in the previous month. The requirements for landfill gas destruction under 40 CFR 60 Subpart WWW were achieved by meeting the provisions of 40 CFR 60 Subpart A under §60.18 for non-assisted flares. A total of 100 cubic feet of supplemental fuel was used on 12/16/20.

ATTACHMENT A

DAILY FLARE MONITORING DATA

ATTACHMENT A-1

FLOW DATA TABLE

Daily Flare Monitoring Data - Bridgeton Landfill
December 2020

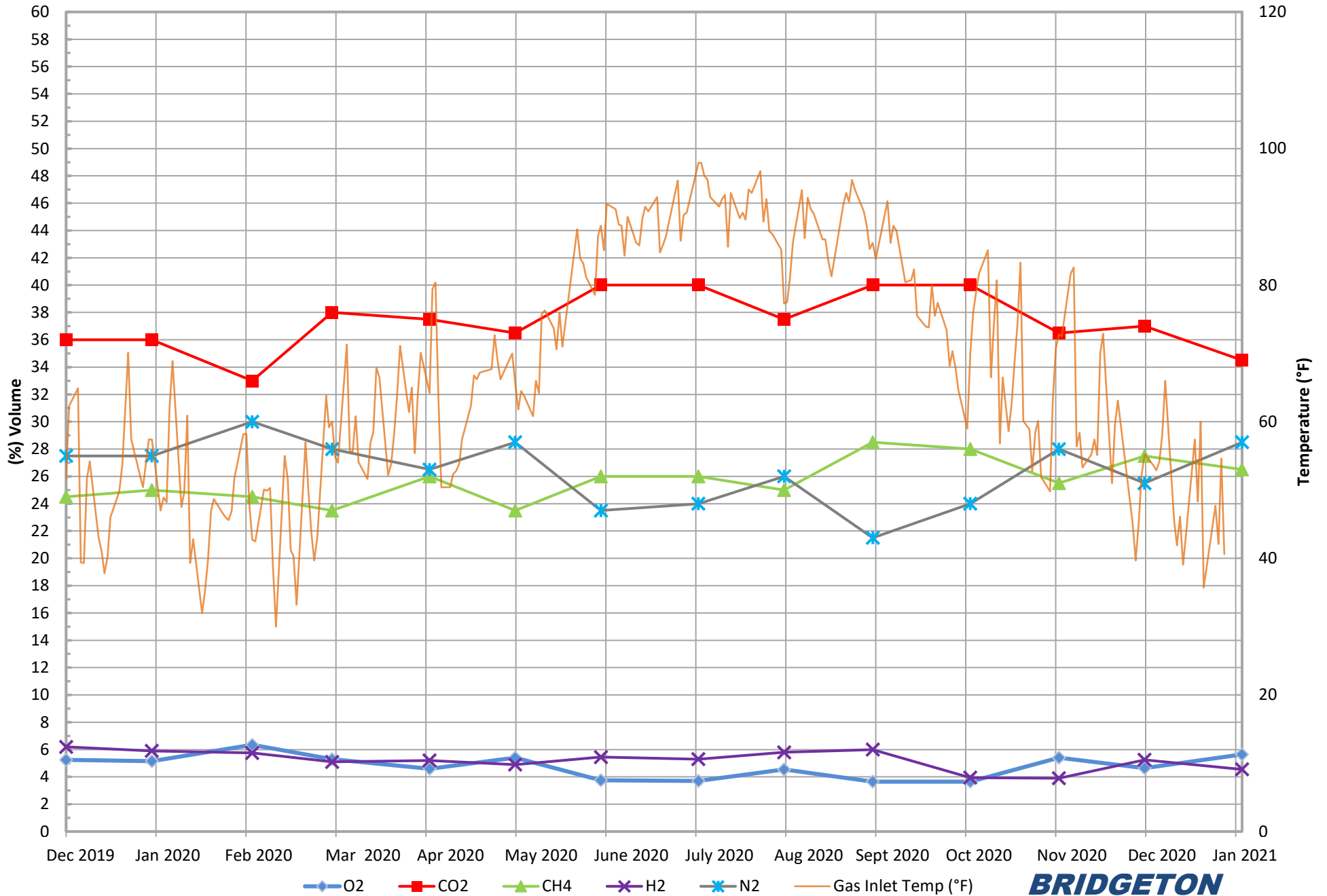
Date	Average Device Flow* (scfm)			Total Avg. Flow** (scfm)
	Utility Flare (FL-100)	Utility Flare (FL-120)	Utility Flare (FL-140)	
12/1/2020	747	272	1	1,020
12/2/2020	1,020	1	1	1,022
12/3/2020	1,020	2	1	1,022
12/4/2020	1,008	1	0	1,009
12/5/2020	1,006	1	0	1,007
12/6/2020	998	1	1	999
12/7/2020	982	1	1	984
12/8/2020	980	2	0	982
12/9/2020	990	1	0	991
12/10/2020	1,000	1	0	1,000
12/11/2020	994	0	0	995
12/12/2020	968	1	0	970
12/13/2020	962	2	1	964
12/14/2020	955	2	1	957
12/15/2020	996	2	1	999
12/16/2020	993	2	1	996
12/17/2020	928	37	1	966
12/18/2020	966	2	1	968
12/19/2020	983	1	0	985
12/20/2020	975	1	1	977
12/21/2020	979	1	0	980
12/22/2020	989	1	0	991
12/23/2020	996	1	0	997
12/24/2020	946	3	1	950
12/25/2020	921	3	1	925
12/26/2020	952	1	1	954
12/27/2020	962	1	0	963
12/28/2020	945	2	1	947
12/29/2020	970	3	1	973
12/30/2020	952	2	1	955
12/31/2020	958	2	1	960
AVERAGE	969	11	1	981

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

ATTACHMENT A-2

FLOW DATA GRAPHS

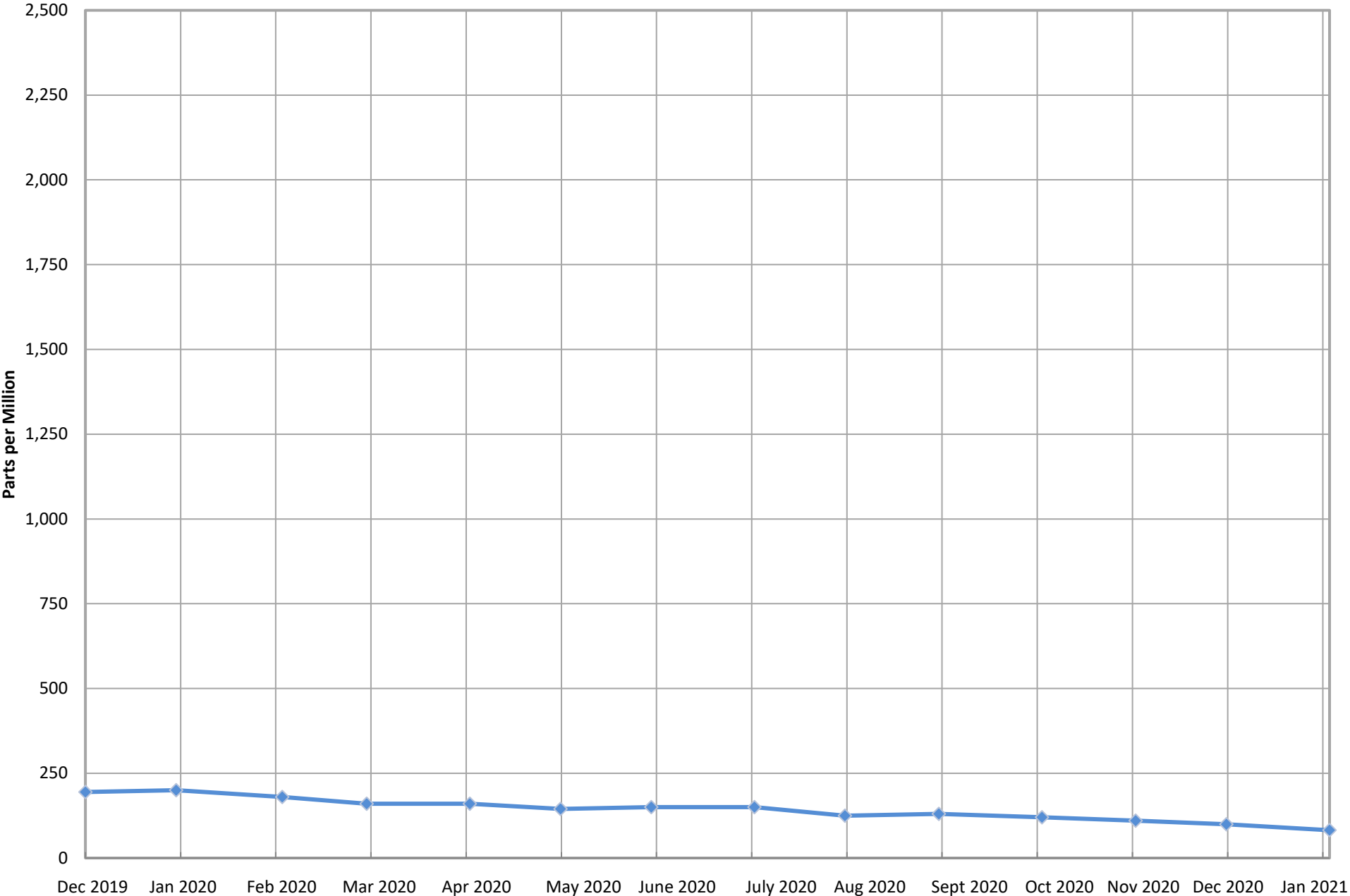
Combined Inlet Gas and Temperature*



**BRIDGETON
LANDFILL**

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

Combined Inlet Carbon Monoxide*

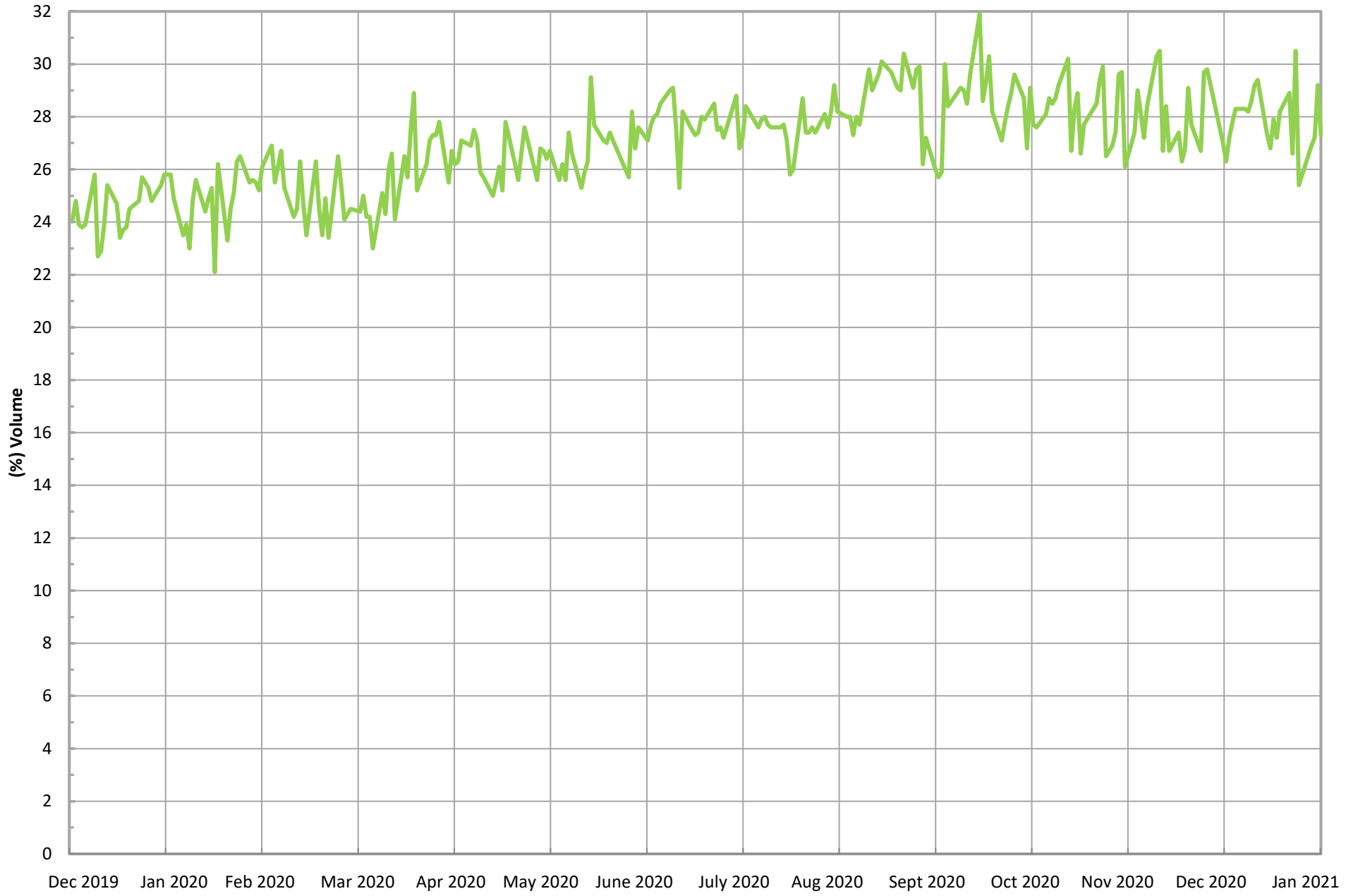


—◆— Inlet Carbon Monoxide*

*Data collected from Laboratory Reports.

**BRIDGETON
LANDFILL**

Combined Inlet Methane (Field Data)*

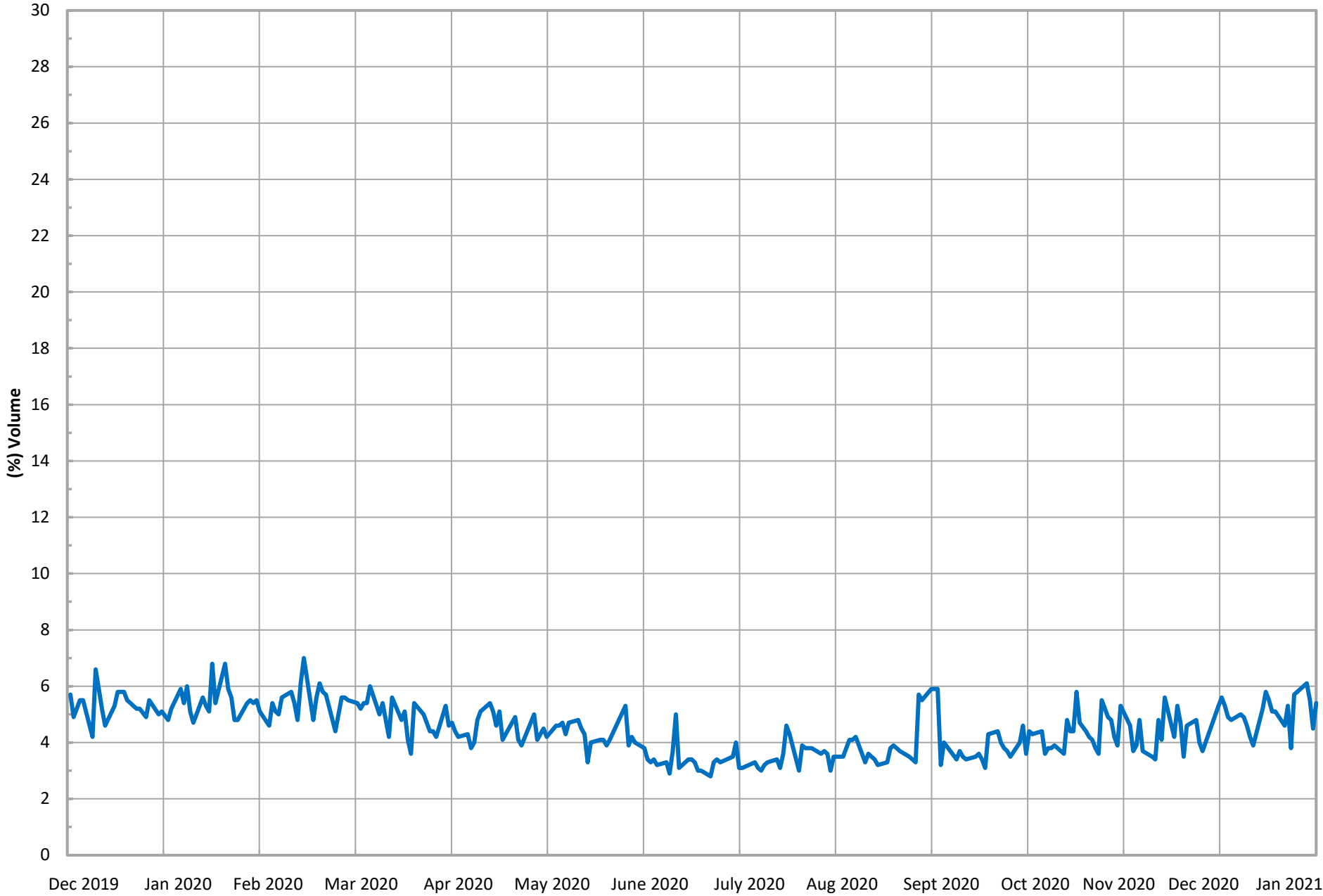


*Gas data collected from field monitoring data.

— Combined Inlet Methane (Field Data)*

**BRIDGETON
LANDFILL**

Combined Inlet Oxygen (Field Data)*

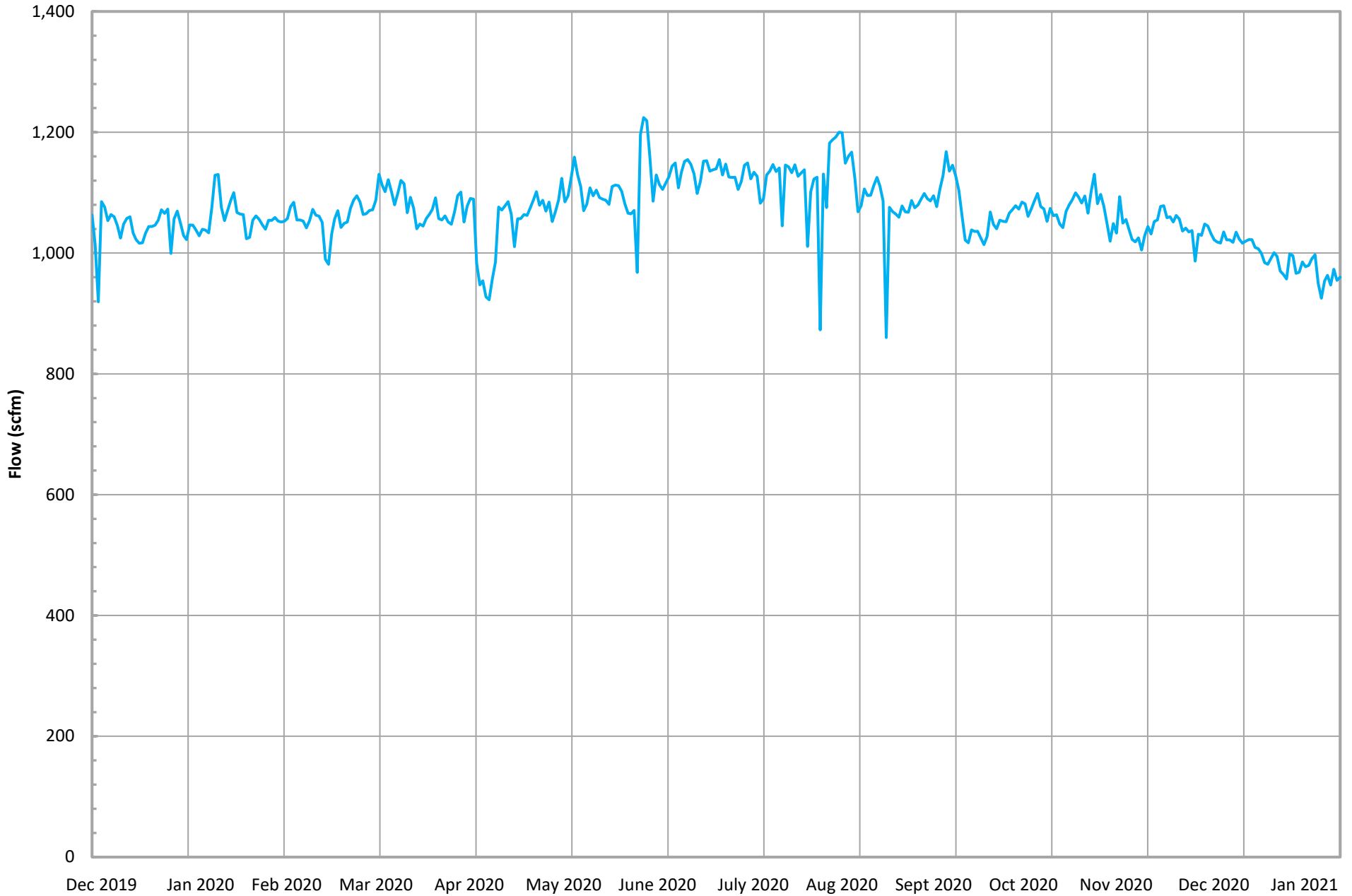


*Gas data collected from field monitoring data

— Combined Inlet Oxygen (Field Data)*

**BRIDGETON
LANDFILL**

Total Combined Flow (scfm)*



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

— Total Combined Flow (scfm)*

**BRIDGETON
LANDFILL**

ATTACHMENT B

WELL CONDITON/STATUS REPORT

December 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	

December 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	

December 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	

December 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	8/12/2020	53	43	ND	3.7	ND	ND	
GEW-002	9/15/2020	51	42	ND	6.4	ND	ND	
GEW-002	10/14/2020	51	40	ND	8.0	ND	ND	
GEW-002	11/11/2020	51	40	ND	8.4	ND	ND	
GEW-002	12/8/2020	47	37	ND	15	ND	ND	
GEW-02S	8/12/2020	55	36	1.6	7.1	ND	ND	See Note 3
GEW-02S	8/24/2020	56	36	ND	6.6	ND	ND	
GEW-02S	9/14/2020	53	36	ND	9.5	ND	ND	
GEW-02S	10/12/2020	58	37	ND	3.7	ND	ND	
GEW-02S	11/10/2020	55	37	ND	7.8	ND	ND	
GEW-02S	12/8/2020	47	34	ND	17	ND	ND	
GEW-003	8/12/2020	51	45	ND	4.0	ND	ND	
GEW-003	9/15/2020	49	44	ND	6.0	ND	ND	
GEW-003	10/14/2020	53	44	ND	ND	ND	ND	
GEW-003	11/11/2020	47	40	ND	13	ND	ND	
GEW-003	12/8/2020	51	40	ND	7.4	ND	ND	
GEW-004	8/12/2020	50	41	ND	7.7	ND	ND	
GEW-004	9/15/2020	51	41	ND	6.3	ND	ND	
GEW-004	10/14/2020	52	41	ND	6.6	0.051	ND	
GEW-004	11/11/2020	51	42	ND	6.8	0.053	ND	
GEW-004	12/8/2020	52	39	ND	7.9	0.046	ND	
GEW-005	8/12/2020	52	39	ND	8.9	ND	ND	
GEW-005	9/15/2020	52	39	ND	7.7	ND	ND	
GEW-005	10/14/2020	55	40	ND	4.9	ND	ND	
GEW-005	11/11/2020	56	39	ND	4.4	ND	ND	
GEW-005	12/8/2020	56	39	ND	4.6	ND	ND	
GEW-006	8/12/2020	54	40	ND	5.4	ND	ND	
GEW-006	9/15/2020	54	41	ND	4.8	ND	ND	
GEW-006	10/14/2020	55	40	ND	5.0	ND	ND	
GEW-006	11/11/2020	52	38	ND	9.1	ND	ND	
GEW-006	12/9/2020	52	39	ND	7.5	ND	ND	
GEW-007	8/10/2020	53	42	ND	4.1	ND	ND	
GEW-007	9/9/2020	53	42	ND	3.6	ND	ND	
GEW-007	10/12/2020	54	41	ND	3.7	ND	ND	
GEW-007	11/11/2020	54	41	ND	4.3	ND	ND	
GEW-007	12/9/2020	53	41	ND	5.0	ND	ND	
GEW-008	8/10/2020	50	44	ND	3.6	1.3	ND	
GEW-008	9/14/2020	50	44	ND	3.7	1.0	ND	
GEW-008	10/12/2020	51	44	ND	ND	1.2	ND	
GEW-008	11/12/2020	51	43	ND	3.8	1.0	ND	
GEW-008	12/9/2020	51	43	ND	4.2	1.2	ND	
GEW-009	8/10/2020	49	44	ND	6.3	0.52	ND	
GEW-009	9/14/2020	49	44	ND	6.7	0.44	ND	
GEW-009	10/12/2020	50	43	ND	6.4	0.52	ND	
GEW-009	11/12/2020	49	42	ND	7.1	0.62	ND	
GEW-009	12/9/2020	49	42	ND	7.8	0.61	ND	
GEW-040	8/11/2020	51	35	ND	13	ND	ND	
GEW-040	9/14/2020	53	35	ND	11	ND	ND	
GEW-040	10/12/2002	55	34	ND	10	ND	ND	
GEW-040	11/12/2020	59	35	ND	5.2	ND	ND	
GEW-040	12/9/2020	59	34	ND	6.2	ND	ND	
GEW-041R	8/11/2020	51	37	ND	11	ND	ND	
GEW-041R	9/14/2020	51	37	ND	11	ND	ND	
GEW-041R	10/12/2020	51	36	ND	12	ND	ND	
GEW-041R	11/12/2020	47	34	ND	18	ND	ND	

Laboratory Analysis - Bridgeton Landfill

Well Name	Date Sampled	Methane	CO ₂	O ₂ /Argon	Nitrogen	Hydrogen	Carbon Monoxide	Comments
							(ppm)	
(%)								
GEW-041R	12/9/2020	48	34	ND	17	ND	ND	
GEW-042R	8/11/2020	54	40	ND	5.6	ND	ND	
GEW-042R	9/14/2020	53	40	ND	5.6	ND	ND	
GEW-042R	10/12/2020	53	39	ND	7.2	ND	ND	
GEW-042R	11/12/2020	51	38	ND	11	ND	ND	
GEW-042R	12/9/2020	52	37	ND	9.6	ND	ND	
GEW-043R	8/11/2020	53	43	ND	3.7	0.11	ND	
GEW-043R	9/14/2020	53	43	ND	3.2	0.100	ND	
GEW-043R	10/12/2020	54	42	ND	3.2	0.11	ND	
GEW-043R	11/13/2020	53	40	ND	5.6	0.11	ND	
GEW-043R	12/9/2020	52	41	ND	6.6	0.11	ND	
GEW-044	8/12/2020	52	37	ND	10	ND	ND	
GEW-044	9/14/2020	50	39	ND	10.0	ND	ND	
GEW-044	10/12/2020	47	38	ND	14	ND	ND	
GEW-044	11/13/2020	41	35	ND	23	ND	ND	
GEW-044	12/8/2020	36	33	ND	30	ND	ND	
GEW-045R	8/12/2020	53	40	ND	5.8	ND	ND	
GEW-045R	9/14/2020	54	41	ND	4.6	ND	ND	
GEW-045R	10/14/2020	55	40	ND	4.6	ND	ND	
GEW-045R	11/10/2020	52	41	ND	6.7	ND	ND	
GEW-045R	12/8/2020	50	38	ND	9.9	ND	ND	
GEW-046R	8/12/2020	51	44	ND	3.8	ND	ND	
GEW-046R	9/15/2020	52	44	ND	3.2	ND	ND	
GEW-046R	10/14/2020	53	43	ND	3.6	ND	ND	
GEW-046R	11/10/2020	53	43	ND	3.5	ND	ND	
GEW-046R	12/8/2020	52	41	ND	6.0	0.033	ND	
GEW-047R	8/12/2020	51	42	ND	6.8	ND	ND	
GEW-047R	9/15/2020	50	42	ND	6.6	ND	ND	
GEW-047R	10/14/2020	51	42	ND	6.0	0.067	ND	
GEW-047R	11/11/2020	49	39	ND	11	ND	ND	
GEW-047R	12/8/2020	48	39	ND	12	ND	ND	
GEW-048	8/12/2020	52	40	ND	7.1	ND	ND	
GEW-048	9/15/2020	53	41	ND	5.4	ND	ND	
GEW-048	10/14/2020	53	40	ND	5.5	ND	ND	
GEW-048	11/11/2020	54	40	ND	5.8	ND	ND	
GEW-048	12/8/2020	54	39	ND	6.4	ND	ND	
GEW-049	8/12/2020	48	40	ND	12	ND	ND	
GEW-049	9/14/2020	51	42	ND	6.6	ND	ND	
GEW-049	10/14/2020	53	42	ND	3.7	ND	ND	
GEW-049	11/13/2020	48	38	ND	13	ND	ND	
GEW-049	12/8/2020	45	37	ND	17	ND	ND	
GEW-050	8/10/2020	47	36	3.2	13	ND	ND	See Note 3
GEW-050	8/24/2020	52	40	ND	6.7	ND	ND	
GEW-050	9/9/2020	52	40	ND	6.6	ND	ND	
GEW-050	10/12/2020	53	40	ND	6.3	ND	ND	
GEW-050	11/11/2020	52	39	ND	8.2	ND	ND	
GEW-050	12/9/2020	50	38	ND	10	ND	ND	
GEW-051	8/10/2020	51	42	ND	4.6	0.95	ND	
GEW-051	9/14/2020	52	42	ND	3.7	0.84	ND	
GEW-051	10/12/2020	53	42	ND	3.2	0.91	ND	
GEW-051	11/12/2020	53	42	ND	3.3	0.93	ND	
GEW-051	12/9/2020	53	42	ND	3.9	0.94	ND	
GEW-052	8/10/2020	50	40	ND	9.3	ND	ND	
GEW-052	9/9/2020	50	41	ND	8.6	ND	ND	
GEW-052	10/12/2020	52	41	ND	5.5	ND	ND	

Laboratory Analysis - Bridgeton Landfill

Well Name	Date Sampled	Methane	CO ₂	O ₂ /Argon	Nitrogen	Hydrogen	Carbon Monoxide	Comments
							(ppm)	
(%)								
GEW-052	11/11/2020	49	40	ND	10	ND	ND	
GEW-052	12/9/2020	48	39	ND	12	ND	ND	
GEW-053	8/10/2020	48	43	ND	4.7	3.2	56	
GEW-053	9/14/2020	48	44	ND	3.7	3.0	57	
GEW-053	10/12/2020	49	43	ND	3.7	3.5	62	
GEW-053	11/12/2020	49	43	ND	3.9	3.6	47	
GEW-053	12/9/2020	49	42	ND	4.9	3.3	47	
GEW-054	8/11/2020	50	44	ND	3.5	1.6	ND	
GEW-054	9/14/2020	51	44	ND	ND	1.5	ND	
GEW-054	10/12/2020	51	44	ND	ND	1.6	ND	
GEW-054	11/12/2020	51	43	ND	3.5	1.5	ND	
GEW-054	12/9/2020	51	42	ND	4.4	1.5	ND	
GEW-055	8/11/2020	50	44	ND	4.0	1.3	ND	
GEW-055	9/14/2020	50	44	ND	3.7	1.1	ND	
GEW-055	10/12/2020	51	44	ND	ND	1.2	ND	
GEW-055	11/12/2020	52	43	ND	3.6	1.3	ND	
GEW-055	12/9/2020	50	43	ND	5.0	1.2	ND	
Flare Station ²	8/4/2020	25.0	37.5	4.6	26.0	5.8	125	See Note 9
Flare Station ²	9/3/2020	28.5	40.0	3.7	21.5	6.0	130	See Note 9
Flare Station ²	10/6/2020	28.0	40.0	3.7	24.0	4.0	120	See Note 9
Flare Station ²	11/5/2020	25.5	36.5	5.4	28.0	3.9	110	See Note 9
Flare Station ²	12/4/2020	27.5	37.0	4.7	25.5	5.3	100	See Note 9

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

ND = Analyte not detected in sample.

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

Laboratory Analysis - Bridgeton Landfill

Well Name	Date Sampled	Methane	CO ₂	O ₂ /Argon	Nitrogen	Hydrogen	Carbon Monoxide (ppm)	Comments
GEW-010	8/12/2020	52	45	ND	ND	0.078	ND	
GEW-010	9/10/2020	53	44	ND	ND	0.066	ND	
GEW-010	10/13/2020	54	42	ND	ND	0.068	ND	
GEW-010	11/12/2020	53	42	ND	4.4	0.058	ND	
GEW-010	12/9/2020	20	15	14	50	ND	ND	See Note 3
GEW-010	12/22/2020	53	39	1.8	6.1	0.057	ND	
GEW-013A	10/5/2020	0.010	0.11	22	78	ND	ND	See Note 3
GEW-015	10/7/2020	26	47	ND	6.7	19	370	
GEW-016R	10/7/2020	9.4	48	ND	19	22	580	
GEW-018B	10/7/2020	1.9	48	ND	6.1	41	600	
GEW-019A	10/9/2020	0.51	33	11	41	14	470	See Note 4
GEW-039	8/13/2020	21	30	2.4	47	ND	ND	
GEW-039	9/11/2020	45	42	ND	12	ND	ND	
GEW-039	10/13/2020	42	41	ND	16	ND	ND	
GEW-039	11/12/2020	38	38	1.8	23	ND	ND	
GEW-039	12/9/2020	36	33	4.4	26	ND	ND	
GEW-056R	8/12/2020	44	45	ND	7.5	3.2	48	
GEW-056R	9/10/2020	45	45	ND	5.7	3.1	47	
GEW-056R	10/13/2020	42	42	ND	12	2.9	40	
GEW-056R	11/12/2020	47	43	ND	5.4	3.2	34	
GEW-056R	12/9/2020	42	38	3.1	14	2.5	ND	
GEW-057B	10/9/2020	1.5	52	ND	ND	41	500	
GEW-058A	10/9/2020	7.3	33	2.8	32	24	510	
GEW-059R	10/9/2020	24	39	ND	8.9	27	400	
GEW-067A	10/5/2020	0.24	1.1	21	77	0.48	ND	See Note 3
GEW-068A	10/12/2020	16	44	ND	13	25	770	
GEW-078R	10/7/2020	23	37	ND	23	15	430	
GEW-082R	10/7/2020	8.7	33	ND	38	18	450	
GEW-086	10/5/2020	ND	0.087	22	78	ND	ND	See Note 4
GEW-087	10/7/2020	4.7	63	ND	ND	27	650	
GEW-088	10/5/2020	0.27	7.3	18	66	8.1	150	See Note 3
GEW-090	10/5/2020	7.1	11	16	61	4.3	71	See Note 3
GEW-091	8/13/2020	2.5	48	1.8	6.1	38	350	
GEW-091	9/11/2020	2.3	46	2.3	7.9	38	340	
GEW-091	10/14/2020	1.9	49	ND	3.5	42	340	
GEW-091	11/12/2020	6.3	30	8.0	30	26	190	See Note 4
GEW-091	12/9/2020	0.063	0.13	22	78	ND	ND	See Note 3
GEW-091	12/23/2020	2.2	48	ND	3.5	43	280	
GEW-100	10/9/2020	17	60	ND	4.4	17	280	
GEW-101	10/9/2020	30	58	1.9	10	ND	ND	
GEW-102	10/9/2020	29	43	2.1	7.5	17	66	
GEW-104	10/9/2020	1.9	54	ND	ND	39	460	
GEW-105	10/9/2020	40	43	ND	4.3	12	210	
GEW-106	10/9/2020	13	41	4.4	19	22	370	
GEW-107	10/9/2020	39	49	ND	ND	9.0	210	
GEW-108	8/13/2020	37	45	ND	ND	13	180	
GEW-108	9/11/2020	37	45	ND	ND	14	210	
GEW-108	10/14/2020	38	43	ND	ND	14	210	
GEW-108	11/12/2020	37	43	ND	3.8	15	170	
GEW-108	12/9/2020	28	31	6.9	24	9.5	120	See Note 3
GEW-108	12/22/2020	40	42	ND	4.3	13	130	
GEW-109	8/13/2020	41	43	1.9	13	0.40	ND	
GEW-109	9/11/2020	42	43	1.8	12	0.44	ND	
GEW-109	10/13/2020	43	41	2.0	13	0.46	ND	

Laboratory Analysis - Bridgeton Landfill

Well Name	Date Sampled	Methane	CO ₂	O ₂ /Argon	Nitrogen	Hydrogen	Carbon Monoxide	Comments
							(%)	
GEW-109	11/12/2020	40	38	2.5	20	0.51	ND	
GEW-109	12/9/2020	30	28	8.6	33	0.17	ND	See Note 3
GEW-109	12/22/2020	44	37	3.5	15	0.22	ND	
GEW-110	8/12/2020	41	48	ND	ND	7.5	96	
GEW-110	9/10/2020	45	45	ND	4.9	3.7	62	
GEW-110	10/13/2020	45	43	ND	8.6	3.0	49	
GEW-110	11/12/2020	42	48	ND	ND	6.5	70	
GEW-110	12/9/2020	24	23	11	40	1.7	ND	See Note 3
GEW-110	12/22/2020	47	43	ND	5.3	3.5	39	
GEW-113	10/7/2020	12	57	ND	8.1	21	530	
GEW-116	10/7/2020	27	53	ND	16	2.0	140	
GEW-117	10/8/2020	32	50	ND	15	1.4	110	
GEW-118	10/9/2020	4.8	47	ND	14	32	670	
GEW-120	10/8/2020	34	44	1.9	20	0.083	ND	
GEW-121	10/8/2020	35	51	ND	9.4	3.7	130	
GEW-122	10/8/2020	30	27	6.5	30	5.9	170	See Note 3
GEW-122	10/29/2020	39	38	ND	14	8.7	240	
GEW-123	10/8/2020	31	63	ND	4.2	0.78	120	
GEW-124	10/8/2020	38	32	6.4	23	ND	ND	See Note 4
GEW-125	10/9/2020	41	50	ND	8.0	ND	ND	
GEW-126	10/9/2020	26	52	ND	7.7	13	560	
GEW-127	10/9/2020	17	46	3.2	20	13	660	
GEW-129	10/9/2020	36	52	ND	8.9	1.3	110	
GEW-130	10/9/2020	23	43	ND	15	17	840	
GEW-131	10/9/2020	41	43	ND	4.0	11	390	
GEW-132	10/8/2020	15	32	ND	40	11	400	
GEW-133	10/7/2020	4.3	40	ND	39	15	620	
GEW-134	10/7/2020	6.5	46	ND	24	21	660	
GEW-135	10/7/2020	2.9	49	ND	18	27	530	
GEW-137	10/7/2020	39	42	ND	18	ND	ND	
GEW-139	10/9/2020	14	40	4.2	16	26	950	
GEW-140	10/9/2020	15	49	ND	3.2	32	1,000	
GEW-144	10/12/2020	50	47	ND	ND	0.15	ND	
GEW-145	10/9/2020	34	45	ND	ND	18	130	
GEW-147	10/7/2020	16	42	2.1	23	16	360	
GEW-148	10/7/2020	16	52	ND	ND	28	980	
GEW-149	10/5/2020	8.3	21	2.5	67	0.47	ND	
GEW-150	10/9/2020	32	47	ND	5.5	15	280	
GEW-151	10/5/2020	7.7	34	4.8	30	24	420	
GEW-152	10/9/2020	38	44	ND	ND	14	340	
GEW-153	10/9/2020	32	30	5.1	29	2.7	ND	See Note 3
GEW-153	10/27/2020	31	33	1.5	33	2.1	65	
GEW-156	10/12/2020	28	43	2.1	8.6	18	400	
GEW-157	10/9/2020	15	45	ND	ND	36	510	
GEW-158	10/9/2020	31	46	ND	8.2	14	280	
GEW-160	8/13/2020	24	33	3.8	29	11	170	
GEW-160	9/11/2020	30	38	ND	18	12	200	
GEW-160	10/14/2020	30	37	ND	20	11	190	
GEW-160	11/12/2020	27	36	1.7	25	10	140	
GEW-160	12/9/2020	12	15	13	55	3.6	65	See Note 3
GEW-160	12/23/2020	29	34	2.4	24	11	130	
GEW-161	8/13/2020	6.4	51	ND	4.8	36	920	
GEW-161	9/11/2020	6.9	50	ND	5.8	35	920	
GEW-161	10/14/2020	7.5	48	1.7	8.1	34	810	
GEW-161	11/12/2020	8.9	49	ND	7.0	33	660	
GEW-161	12/9/2020	8.5	39	5.1	20	26	500	See Note 3

Laboratory Analysis - Bridgeton Landfill

Well Name	Date Sampled	Methane	CO ₂	O ₂ /Argon	Nitrogen	Hydrogen	Carbon Monoxide	Comments
							(%)	
GEW-161	12/22/2020	12	48	ND	6.8	31	520	
GEW-162	8/13/2020	13	61	ND	12	12	420	
GEW-162	9/11/2020	14	63	1.6	11	9.3	420	
GEW-162	10/14/2020	16	62	ND	10.0	11	410	
GEW-162	11/12/2020	12	63	ND	8.6	15	400	
GEW-162	12/9/2020	12	46	6.4	24	10	260	See Note 3
GEW-162	12/22/2020	18	60	ND	6.5	13	330	
GEW-163	10/8/2020	26	44	ND	27	0.95	42	
GEW-164	10/8/2020	35	49	ND	15	ND	ND	
GEW-165	10/8/2020	20	43	4.6	25	7.1	210	
GEW-166	10/8/2020	2.0	57	ND	ND	37	2,100	
GEW-167	10/8/2020	16	45	ND	7.7	30	1,100	
GEW-168	10/9/2020	40	51	ND	4.6	2.4	52	
GEW-169	10/9/2020	24	49	ND	14	11	450	
GEW-170	10/9/2020	9.7	34	6.2	38	12	570	See Note 4
GEW-171	10/9/2020	22	56	3.3	13	5.1	230	
GEW-172	10/9/2020	25	44	2.8	10.0	18	560	
GEW-174	10/9/2020	15	38	ND	31	15	340	
GEW-175	10/9/2020	30	39	2.9	27	1.8	72	
GEW-177	10/9/2020	17	46	3.2	20	13	660	
GEW-178	10/9/2020	33	35	4.0	27	ND	ND	
GEW-179	10/9/2020	36	39	ND	24	ND	ND	
GEW-180	10/12/2020	36	54	1.7	7.4	ND	ND	
GEW-181	10/9/2020	26	63	ND	9.5	ND	ND	
GEW-185	10/8/2020	41	55	ND	3.3	ND	ND	
GEW-186	10/9/2020	25	32	4.4	37	0.63	36	
GEW-187	8/13/2020	42	53	ND	ND	2.1	45	
GEW-187	9/11/2020	42	51	ND	ND	2.0	42	
GEW-187	10/14/2020	44	51	ND	ND	1.9	39	
GEW-187	11/12/2020	43	50	ND	3.5	1.7	ND	
GEW-187	12/9/2020	17	19	14	49	0.58	ND	See Note 3
GEW-187	12/22/2020	44	48	ND	5.5	1.5	ND	
GEW-217	10/9/2020	14	50	ND	3.6	29	410	
GEW-218	10/12/2020	24	45	1.8	16	13	360	
GEW-220	10/12/2020	34	44	ND	12	7.7	260	
GEW-221	10/12/2020	29	50	3.1	17	1.5	33	
GEW-222	10/12/2020	49	42	ND	6.0	1.7	41	
GEW-223	10/9/2020	32	64	ND	ND	0.55	140	
GEW-224	10/9/2020	34	58	ND	4.4	3.3	290	
GEW-225	10/9/2020	21	49	ND	5.6	23	1,100	
GEW-226	10/9/2020	33	41	ND	8.4	15	530	
GEW-227	10/7/2020	6.4	32	4.7	39	18	310	
GEW-228	10/7/2020	3.2	23	6.7	54	13	160	See Note 4
GEW-229	10/7/2020	2.7	23	2.4	69	2.7	87	
GEW-230	10/5/2020	7.5	25	7.9	47	12	200	See Note 4
GEW-232	10/7/2020	28	53	2.1	13	3.4	120	
GEW-233	10/7/2020	4.2	27	6.4	52	10	220	See Note 4
GEW-234	10/12/2020	1.1	50	2.3	9.6	35	1,100	
GEW-235	10/8/2020	28	51	ND	8.9	11	210	
GEW-236	10/7/2020	2.1	38	3.2	14	40	270	
GEW-237	10/9/2020	37	45	1.6	13	2.1	69	
GEW-238	10/7/2020	15	59	ND	6.9	18	400	
GEW-239	10/5/2020	0.25	7.2	19	66	7.9	130	See Note 3
GEW-240	10/9/2020	6.9	33	ND	42	16	310	
GEW-241	10/27/2020	35	36	4.7	23	ND	ND	
GEW-242	10/27/2020	43	48	ND	4.1	4.1	200	
GEW-243	10/27/2020	41	50	ND	7.4	0.13	140	

Laboratory Analysis - Bridgeton Landfill

Well Name	Date Sampled	Methane	CO ₂	O ₂ /Argon	Nitrogen	Hydrogen	Carbon Monoxide	Comments
							(%)	
GEW-244	10/27/2020	2.1	2.1	21	75	ND	ND	See Note 4
GEW-245	10/27/2020	30	46	ND	22	0.50	49	
GEW-246	10/27/2020	48	46	ND	2.8	2.1	69	
GEW-247	10/27/2020	41	43	ND	2.9	13	220	
GEW-248	10/27/2020	10	22	7.5	56	3.7	160	See Note 4
GEW-249	10/27/2020	29	44	4.6	21	2.0	99	
GEW-250	10/27/2020	0.45	17	11	69	2.3	110	See Note 4
GEW-251	10/27/2020	5.8	46	ND	10	37	810	
GEW-252	10/27/2020	38	44	ND	3.2	13	200	
GEW-253	10/27/2020	6.1	17	10	63	3.6	120	See Note 4
GIW-01	8/5/2020	27	54	ND	6.2	10	240	
GIW-01	9/10/2020	27	49	3.0	12	8.6	210	
GIW-01	10/12/2020	30	53	ND	6.3	9.0	240	
GIW-01	11/9/2020	32	53	ND	5.0	8.8	190	
GIW-01	12/8/2020	31	53	ND	5.0	9.4	220	
GIW-02	8/5/2020	10	50	1.7	23	14	510	
GIW-02	9/10/2020	8.6	47	4.0	25	15	550	
GIW-02	10/12/2020	8.0	34	6.0	42	9.7	400	See Note 4
GIW-02	11/9/2020	7.8	56	1.8	13	20	590	
GIW-02	12/8/2020	11	57	1.6	14	16	530	
GIW-03	8/5/2020	22	44	ND	21	12	320	
GIW-03	9/10/2020	21	41	2.9	23	12	320	
GIW-03	10/12/2020	21	43	ND	23	12	350	
GIW-03	11/9/2020	22	44	ND	20	13	290	
GIW-03	12/8/2020	22	43	1.6	21	12	290	
GIW-04	8/5/2020	23	47	ND	7.6	21	460	
GIW-04	9/10/2020	23	47	ND	7.1	22	480	
GIW-04	10/12/2020	23	45	ND	8.9	22	500	
GIW-04	11/9/2020	21	42	2.4	12	22	390	
GIW-04	12/8/2020	24	45	ND	7.2	22	420	
GIW-05	8/5/2020	27	36	3.1	23	10	100	
GIW-05	9/10/2020	35	39	1.7	13	12	120	
GIW-05	10/12/2020	34	36	3.1	17	10	110	
GIW-05	11/9/2020	32	39	ND	17	11	97	
GIW-05	12/9/2020	24	28	6.8	33	7.7	77	See Note 3
GIW-05	12/23/2020	31	38	2.3	19	9.3	87	
GIW-06	8/12/2020	34	38	ND	23	3.5	32	
GIW-06	9/10/2020	37	40	ND	18	3.4	40	
GIW-06	10/12/2020	37	39	1.7	18	3.8	35	
GIW-06	11/10/2020	36	38	1.7	20	3.5	ND	
GIW-06	12/9/2020	18	19	12	50	1.8	ND	See Note 3
GIW-06	12/23/2020	33	35	2.6	26	3.0	ND	
GIW-07	8/12/2020	50	46	ND	3.3	ND	ND	
GIW-07	9/10/2020	50	46	ND	ND	ND	ND	
GIW-07	10/12/2020	49	46	ND	3.6	ND	ND	
GIW-07	11/10/2020	49	46	ND	3.9	ND	ND	
GIW-07	12/9/2020	32	29	8.7	31	ND	ND	See Note 3
GIW-07	12/23/2020	48	45	ND	5.4	0.14	ND	
GIW-08	8/12/2020	44	43	1.9	11	ND	ND	
GIW-08	9/10/2020	29	40	2.0	20	8.7	84	
GIW-08	10/12/2020	47	45	ND	6.4	ND	ND	
GIW-08	11/10/2020	48	43	ND	7.2	ND	ND	
GIW-08	12/9/2020	32	28	8.3	32	ND	ND	See Note 3
GIW-08	12/23/2020	48	42	ND	9.0	ND	ND	
GIW-09	8/12/2020	28	40	ND	20	9.8	84	
GIW-09	9/10/2020	47	45	ND	7.2	ND	ND	

Laboratory Analysis - Bridgeton Landfill

Well Name	Date Sampled	Methane	CO ₂	O ₂ /Argon	Nitrogen	Hydrogen	Carbon Monoxide	Comments
							(ppm)	
(%)								
GIW-09	10/12/2020	30	40	ND	19	8.7	72	
GIW-09	11/10/2020	32	40	ND	18	8.7	59	
GIW-09	12/9/2020	24	27	7.6	35	6.0	41	See Note 3
GIW-09	12/23/2020	35	40	ND	15	8.6	57	
GIW-10	8/12/2020	25	33	ND	33	7.3	82	
GIW-10	9/10/2020	28	34	ND	28	7.5	98	
GIW-10	10/12/2020	27	34	ND	30	7.0	91	
GIW-10	11/12/2020	26	32	1.6	33	7.2	78	
GIW-10	12/9/2020	12	13	14	59	2.2	31	See Note 3
GIW-10	12/23/2020	29	32	ND	30	7.0	67	
GIW-11	8/12/2020	24	33	2.1	38	2.4	100	
GIW-11	9/10/2020	27	35	ND	34	2.4	99	
GIW-11	10/12/2020	25	32	1.8	38	2.2	100	
GIW-11	11/12/2020	27	33	2.0	36	2.1	98	
GIW-11	12/9/2020	10	11	15	63	0.78	45	See Note 3
GIW-11	12/23/2020	29	31	2.3	35	2.3	120	
GIW-12	8/12/2020	31	37	1.9	27	2.7	69	
GIW-12	9/10/2020	34	38	ND	24	2.1	56	
GIW-12	10/13/2020	32	35	1.8	29	2.4	54	
GIW-12	11/12/2020	36	37	ND	22	3.1	53	
GIW-12	12/9/2020	12	13	15	59	0.79	ND	See Note 3
GIW-12	12/23/2020	35	37	ND	23	3.5	58	
GIW-13	8/12/2020	38	45	ND	7.0	8.7	64	
GIW-13	9/10/2020	42	46	ND	6.6	4.3	62	
GIW-13	10/13/2020	40	44	ND	9.1	6.4	60	
GIW-13	11/12/2020	38	40	3.9	15	3.9	36	
GIW-13	12/9/2020	24	24	11	39	2.3	ND	See Note 3
GIW-13	12/23/2020	42	45	ND	6.7	4.6	42	

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

ND = Analyte not detected in sample.

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

ATTACHMENT C-2

LABORATORY ANALYSES REPORTS



December 21, 2020

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



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

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

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

LABORATORY TEST RESULTS

Project Reference: Bridgeton Landfill
Lab Number: L121402-01/49

Enclosed are results for sample(s) received 12/14/20 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 and Dan Feezor, Feezor Engineering on 12/21/20.

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

Sincerely,

A handwritten signature in blue ink, appearing to read "Mark Johnson", written over a light blue horizontal line.

Mark Johnson
Operations Manager

Enclosures

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



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

CHAIN OF CUSTODY RECORD

TURNAROUND TIME		DELIVERABLES	PAGE: 1 OF 6
Standard <input type="checkbox"/>	48 hours <input checked="" type="checkbox"/>	EDD <input checked="" type="checkbox"/>	Condition upon receipt: Sealed Yes <input type="checkbox"/> No <input type="checkbox"/> Intact Yes <input type="checkbox"/> No <input type="checkbox"/> Chilled _____ deg C
Same Day <input type="checkbox"/>	72 hours <input type="checkbox"/>	EDF <input type="checkbox"/>	
24 hours <input type="checkbox"/>	96 hours <input type="checkbox"/>	Level 3 <input type="checkbox"/>	
Other: <u>5 Day</u>		Level 4 <input type="checkbox"/>	

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

BILLING
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	ANALYSIS REQUEST				Lab initial vac ("Hg)
	Cannister ID	Sample Start	Sample End												
L121402-01	O1415	-21.4	-5	GEW 45R	12/8/2020	8:54	C	LFG	NA	X					3.5
-02	5839	-21.1	-5	GEW 46R	12/8/2020	9:06	C	LFG	NA	X					3.5
-03	O1427	-21.5	-5	GEW 2S	12/8/2020	9:17	C	LFG	NA	X					3.5
-04	O1412	-21.1	-5	GEW 2	12/8/2020	9:29	C	LFG	NA	X					3.5
-05	O1405	-21.2	-5	GEW 3	12/8/2020	9:50	C	LFG	NA	X					3.5
-06	O1399	-21.3	-5	GEW 4	12/8/2020	10:01	C	LFG	NA	X					4
-07	O1413	-21.1	-5	GEW 47R	12/8/2020	10:12	C	LFG	NA	X					4
-08	O1425	-21	-5	GEW 5	12/8/2020	10:30	C	LFG	NA	X					3.5
-09	O1400	-20.9	-5	GEW 48	12/8/2020	10:41	C	LFG	NA	X					4
-10	O1404	-20.8	-5	GEW 49	12/8/2020	10:52	C	LFG	NA	X					4

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

SAMPLED BY: Andy Guthrie **COMPANY:** Hunt Environmental Services **DATE/TIME:** 12/8/2020

RELINQUISHED BY: Andy Guthrie <i>Andy Guthrie</i>	DATE/TIME: 12/10/2020	RECEIVED BY:	DATE/TIME:
RELINQUISHED BY: <i>TEV EX</i>	DATE/TIME: 12/14/20	RECEIVED BY: <i>(Signature)</i>	DATE/TIME: 12/14/20 1250
RELINQUISHED BY:	DATE/TIME:	RECEIVED BY:	DATE/TIME:

COMMENTS

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



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

CHAIN OF CUSTODY RECORD

TURNAROUND TIME		DELIVERABLES	PAGE: 2 OF 6
Standard <input type="checkbox"/>	48 hours <input checked="" type="checkbox"/>	EDD <input checked="" type="checkbox"/>	Condition upon receipt: Sealed Yes <input type="checkbox"/> No <input type="checkbox"/> Intact Yes <input type="checkbox"/> No <input type="checkbox"/> Chilled _____ deg C
Same Day <input type="checkbox"/>	72 hours <input type="checkbox"/>	EDF <input type="checkbox"/>	
24 hours <input type="checkbox"/>	96 hours <input type="checkbox"/>	Level 3 <input type="checkbox"/>	
Other: <u>5 Day</u>		Level 4 <input type="checkbox"/>	

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

BILLING	ANALYSIS REQUEST
P.O. No.: PO7112802	D1946 + CO, H2 <i>Lab initial vac ("Hg)</i>
Bill to: Republic Services	
Attn: Mike Lambrich	
13570 St. Charles Rock Rd. Bridgeton, MO 63044	

LAB USE ONLY	Cannister Pressure ("hg)			SAMPLE IDENTIFICATION	SAMPLE DATE	SAMPLE TIME	CONTAINER QTY/TYPE	MATRIX	PRESERVATION	D1946 + CO, H2	ANALYSIS REQUEST				
	Cannister ID	Sample Start	Sample End												
<u>421402-11</u>	A8056	-20.9	-5	GEW 44	12/8/2020	11:20	C	LFG	NA	X					4
<u>-12</u>	A8063	-20.8	-5	GEW 6	12/9/2020	8:27	C	LFG	NA	X					4
<u>-13</u>	A7767	-20.8	-5	GEW 50	12/9/2020	8:39	C	LFG	NA	X					4
<u>-14</u>	A8098	-20.7	-5	GEW 52	12/9/2020	8:50	C	LFG	NA	X					4
<u>-15</u>	A7802	-20.7	-5	GEW 7	12/9/2020	9:17	C	LFG	NA	X					4
<u>-16</u>	3826	-20.5	-5	GEW 8	12/9/2020	9:50	C	LFG	NA	X					4.5
<u>-17</u>	A7794	-20.3	-5	GEW 9	12/9/2020	10:01	C	LFG	NA	X					4.5
<u>-18</u>	3132	-20.6	-5	GEW 51	12/9/2020	10:14	C	LFG	NA	X					4.5
<u>-19</u>	O1407	-20.4	-5	GEW 53	12/9/2020	10:27	C	LFG	NA	X					4.5
<u>-20</u>	O1411	-20.8	-5	GEW 54	12/9/2020	10:39	C	LFG	NA	X					4.5

AUTHORIZATION TO PERFORM WORK: Dave Penoyer	COMPANY: Republic Services
SAMPLED BY: Andy Guthrie	COMPANY: Hunt Environmental Services
RELINQUISHED BY: Andy Guthrie	DATE/TIME: 12/9/2020
RELINQUISHED BY: <i>[Signature]</i>	DATE/TIME: 12/10/2020
RELINQUISHED BY: <i>[Signature]</i>	DATE/TIME: 12/14/20
RELINQUISHED BY: <i>[Signature]</i>	DATE/TIME: 12/14/20

COMMENTS

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



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 6
Standard	<input type="checkbox"/> 48 hours <input checked="" type="checkbox"/>	EDD <input checked="" type="checkbox"/>	Condition upon receipt: Sealed Yes <input type="checkbox"/> No <input type="checkbox"/> Intact Yes <input type="checkbox"/> No <input type="checkbox"/> Chilled _____ deg C
Same Day	<input type="checkbox"/> 72 hours <input type="checkbox"/>	EDF <input type="checkbox"/>	
24 hours	<input type="checkbox"/> 96 hours <input type="checkbox"/>	Level 3 <input type="checkbox"/>	
Other:	<u>5 Day</u>	Level 4 <input type="checkbox"/>	

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

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

LAB USE ONLY	Cannister Pressure ("hg)			SAMPLE IDENTIFICATION	SAMPLE DATE	SAMPLE TIME	CONTAINER QTY/TYPE	MATRIX	PRESERVATION	D1946 + CO, H2						
	Cannister ID	Sample Start	Sample End													
L121402-26	A8078	-20.7	-5	GIW 1	12/8/2020	14:13	C	LFG	NA	X						4.5
-27	A8096	-21.1	-5	GIW 2	12/8/2020	14:25	C	LFG	NA	X						4
-18	A8067	-21.2	-5	GIW 3	12/8/2020	14:36	C	LFG	NA	X						4
-29	A8068	-20.9	-5	GIW 4	12/8/2020	14:46	C	LFG	NA	X						4
-30	4648	-20.9	-5	GIW 5	12/9/2020	8:31	C	LFG	NA	X						4
-31	5834	-20.6	-5	GIW 6	12/9/2020	8:43	C	LFG	NA	X						4
-32	A8076	-20.9	-5	GIW 7	12/9/2020	8:52	C	LFG	NA	X						4
-33	A7067	-21	-5	GIW 8	12/9/2020	9:02	C	LFG	NA	X						4
-34	5315	-20.5	-5	GIW 9	12/9/2020	9:14	C	LFG	NA	X						4
-35	A7815	-20.5	-5	GIW 10	12/9/2020	9:26	C	LFG	NA	X						4

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

SAMPLED BY: Steven Romaine **COMPANY:** Hunt Environmental Specialist **DATE/TIME:** 12/9/2020

RELINQUISHED BY: <i>Andy Gortner</i>	DATE/TIME: 12/10/2020	RECEIVED BY:	DATE/TIME:
<i>Andy Gortner</i>		<i>Justin</i>	12/14/20
RELINQUISHED BY: <i>FedEx</i>	DATE/TIME: 12/14/20	RECEIVED BY:	DATE/TIME: 12/50

COMMENTS

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



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

CHAIN OF CUSTODY RECORD

TURNAROUND TIME		DELIVERABLES	PAGE: 5 OF 6
Standard <input type="checkbox"/>	48 hours <input type="checkbox"/>	EDD <input checked="" type="checkbox"/>	Condition upon receipt: Sealed Yes <input type="checkbox"/> No <input type="checkbox"/> Intact Yes <input type="checkbox"/> No <input type="checkbox"/> Chilled _____ deg C
Same Day <input type="checkbox"/>	72 hours <input type="checkbox"/>	EDF <input type="checkbox"/>	
24 hours <input type="checkbox"/>	96 hours <input type="checkbox"/>	Level 3 <input type="checkbox"/>	
Other: 5 Day		Level 4 <input type="checkbox"/>	

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

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

LAB USE ONLY	Cannister Pressure ("hg)			SAMPLE IDENTIFICATION	SAMPLE DATE	SAMPLE TIME	CONTAINER QTY/TYPE	MATRIX	PRESERVATION	D1946 + CO, H2						
	Cannister ID	Sample Start	Sample End													
L121402-36	A7818	-20.7	-5	GIW 11	12/9/2020	9:37	C	LFG	NA	X						4
-37	5311	-20.6	-5	GIW 12	12/9/2020	9:47	C	LFG	NA	X						4
-38	A7820	-20.5	-5	GIW 13	12/9/2020	9:57	C	LFG	NA	X						4
-39	4657	-20	-5	GEW 110	12/9/2020	10:06	C	LFG	NA	X						4.5
-40	A7773	-20.2	-5	GEW 10	12/9/2020	10:17	C	LFG	NA	X						4.5
-41	3165	-20.5	-5	GEW 56R	12/9/2020	10:30	C	LFG	NA	X						4.5
-42	A8103	-20.1	-5	GEW 39	12/9/2020	10:43	C	LFG	NA	X						4.5
-43	3825	-20.3	-5	GEW 109	12/9/2020	10:56	C	LFG	NA	X						5
-44	A7764	-20.4	-5	GEW 108	12/9/2020	10:05	C	LFG	NA	X						5
-45	6135	-20.6	-5	GEW 187	12/9/2020	11:15	C	LFG	NA	X						5

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

SAMPLED BY: Steven Romaine **COMPANY:** Hunt Environmental Specialist **DATE/TIME:** 12/9/2020

RELINQUISHED BY: Andy Gutman	DATE/TIME: 12/10/2020	RECEIVED BY:	DATE/TIME:
RELINQUISHED BY: Cindy Chute	DATE/TIME: 12/14/20	RECEIVED BY: [Signature]	DATE/TIME: 12/14/20 12:50
RELINQUISHED BY: [Signature]	DATE/TIME:	RECEIVED BY:	DATE/TIME:

COMMENTS

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



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 6
Standard <input type="checkbox"/>	48 hours <input type="checkbox"/>	EDD <input checked="" type="checkbox"/>	Condition upon receipt: Sealed Yes <input type="checkbox"/> No <input type="checkbox"/> Intact Yes <input type="checkbox"/> No <input type="checkbox"/> Chilled _____ deg C
Same Day <input type="checkbox"/>	72 hours <input type="checkbox"/>	EDF <input type="checkbox"/>	
24 hours <input type="checkbox"/>	96 hours <input type="checkbox"/>	Level 3 <input type="checkbox"/>	
Other: <u>5 Day</u>		Level 4 <input type="checkbox"/>	

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

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

LAB USE ONLY	Cannister Pressure ("hg)			SAMPLE IDENTIFICATION	SAMPLE DATE	SAMPLE TIME	CONTAINER QTY/TYPE	MATRIX	PRESERVATION	D1946 + CO, H2						
	Cannister ID	Sample Start	Sample End													
L121402-46	3157	-19.9	-5	GEW 162	12/9/2020	13:54	C	LFG	NA	X						5
-47	3164	-19.9	-5	GEW 161	12/9/2020	14:04	C	LFG	NA	X						5
-48	3833	-20	-5	GEW 160	12/9/2020	14:15	C	LFG	NA	X						5
-49	56901	-19.4	-5	GEW 91	12/9/2020	14:25	C	LFG	NA	X						6

AUTHORIZATION TO PERFORM WORK: Dave Penoyer	COMPANY: Republic Services	COMMENTS
SAMPLED BY: Steven Romaine	COMPANY: Hunt Environmental Specialist	
RELINQUISHED BY: <i>Andy G... 12/10/2020</i>	RECEIVED BY: _____	
RELINQUISHED BY: <i>FCM EX 12/14/20</i>	RECEIVED BY: <i>[Signature] 12/14/20</i>	
RELINQUISHED BY: _____	RECEIVED BY: _____	

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

Client: Republic Services
Attn: Mike Lambrich
Project Name: Bridgeton Landfill
Project No.: NA
Date Received: 12/14/20
Matrix: Air
Reporting Units: % v/v

ASTM D1946

Lab No.:	L121402-01	L121402-02	L121402-03	L121402-04				
Client Sample I.D.:	GEW 45R	GEW 46R	GEW 2S	GEW 2				
Date/Time Sampled:	12/8/20 8:54	12/8/20 9:06	12/8/20 9:17	12/8/20 9:29				
Date/Time Analyzed:	12/15/20 9:35	12/15/20 9:49	12/15/20 10:04	12/15/20 10:18				
QC Batch No.:	201215GC8A1	201215GC8A1	201215GC8A1	201215GC8A1				
Analyst Initials:	CM	CM	CM	CM				
Dilution Factor:	2.9	2.9	2.9	2.9				
ANALYTE	Result % v/v	RL % v/v	Result % v/v	RL % v/v	Result % v/v	RL % v/v	Result % v/v	RL % v/v
Hydrogen	ND d	0.029	0.033 d	0.029	ND d	0.029	ND d	0.029
Carbon Dioxide	38	0.029	41	0.029	34	0.029	37	0.029
Oxygen/Argon	ND	1.4	ND	1.4	ND	1.4	ND	1.4
Nitrogen	9.9	2.9	6.0	2.9	17	2.9	15	2.9
Methane	50	0.0029	52	0.0029	47	0.0029	47	0.0029
Carbon Monoxide	ND	0.0029	ND	0.0029	ND	0.0029	ND	0.0029

Results normalized including non-methane hydrocarbons

ND = Not Detected (below RL)

RL = Reporting Limit

d = Analyzed by secondary analysis, batch number 201217GC8A1

Reviewed/Approved By: Mark Johnson
 Mark Johnson
 Operations Manager

Date 12/21/20

The cover letter is an integral part of this analytical report



Client: Republic Services
Attn: Mike Lambrich
Project Name: Bridgeton Landfill
Project No.: NA
Date Received: 12/14/20
Matrix: Air
Reporting Units: % v/v

ASTM D1946

Lab No.:	L121402-09	L121402-10	L121402-11	L121402-12				
Client Sample I.D.:	GEW 48	GEW 49	GEW 44	GEW 6				
Date/Time Sampled:	12/8/20 10:41	12/8/20 10:52	12/8/20 11:20	12/9/20 8:27				
Date/Time Analyzed:	12/15/20 11:31	12/15/20 11:45	12/15/20 12:00	12/15/20 12:50				
QC Batch No.:	201215GC8A1	201215GC8A1	201215GC8A1	201215GC8A1				
Analyst Initials:	CM	CM	CM	CM				
Dilution Factor:	3.0	3.0	3.0	3.0				
ANALYTE	Result % v/v	RL % v/v	Result % v/v	RL % v/v	Result % v/v	RL % v/v	Result % v/v	RL % v/v
Hydrogen	ND d	0.030	ND d	0.030	ND d	0.030	ND d	0.030
Carbon Dioxide	39	0.030	37	0.030	33	0.030	39	0.030
Oxygen/Argon	ND	1.5	ND	1.5	ND	1.5	ND	1.5
Nitrogen	6.4	3.0	17	3.0	30	3.0	7.5	3.0
Methane	54	0.0030	45	0.0030	36	0.0030	52	0.0030
Carbon Monoxide	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030

Results normalized including non-methane hydrocarbons

ND = Not Detected (below RL)

RL = Reporting Limit

d = Analyzed by secondary analysis, batch number 201217GC8A1

Reviewed/Approved By: Mark Johnson
 Operations Manager

Date 12/21/20

The cover letter is an integral part of this analytical report



Client: Republic Services
 Attn: Mike Lambrich
 Project Name: Bridgeton Landfill
 Project No.: NA
 Date Received: 12/14/20
 Matrix: Air
 Reporting Units: % v/v

ASTM D1946

Lab No.:	L121402-25	L121402-26	L121402-27	L121402-28				
Client Sample I.D.:	GEW 43R	GIW 1	GIW 2	GIW 3				
Date/Time Sampled:	12/9/20 11:49	12/8/20 14:13	12/8/20 14:25	12/8/20 14:36				
Date/Time Analyzed:	12/15/20 17:48	12/15/20 18:02	12/15/20 18:17	12/15/20 18:31				
QC Batch No.:	201215GC8A2	201215GC8A2	201215GC8A2	201215GC8A2				
Analyst Initials:	CM	CM	CM	CM				
Dilution Factor:	3.2	3.1	3.0	3.0				
ANALYTE	Result % v/v	RL % v/v	Result % v/v	RL % v/v	Result % v/v	RL % v/v	Result % v/v	RL % v/v
Hydrogen	0.11 d	0.032	9.4	3.1	16	3.0	12	3.0
Carbon Dioxide	41	0.032	53	0.031	57	0.030	43	0.030
Oxygen/Argon	ND	1.6	ND	1.5	1.6	1.5	1.6	1.5
Nitrogen	6.6	3.2	5.0	3.1	14	3.0	21	3.0
Methane	52	0.0032	31	0.0031	11	0.0030	22	0.0030
Carbon Monoxide	ND	0.0032	0.022	0.0031	0.053	0.0030	0.029	0.0030

Results normalized including non-methane hydrocarbons

ND = Not Detected (below RL)

RL = Reporting Limit

d = Analyzed by secondary analysis, batch number 201217GC8A2

Reviewed/Approved By: Mark Johnson
 Mark Johnson
 Operations Manager

Date 12/21/20

The cover letter is an integral part of this analytical report



Client: Republic Services
Attn: Mike Lambrich
Project Name: Bridgeton Landfill
Project No.: NA
Date Received: 12/14/20
Matrix: Air
Reporting Units: % v/v

ASTM D1946

Lab No.:	L121402-29	L121402-30	L121402-31	L121402-32				
Client Sample I.D.:	GIW 4	GIW 5	GIW 6	GIW 7				
Date/Time Sampled:	12/8/20 14:46	12/9/20 8:31	12/9/20 8:43	12/9/20 8:52				
Date/Time Analyzed:	12/15/20 18:46	12/15/20 19:00	12/15/20 19:15	12/15/20 19:29				
QC Batch No.:	201215GC8A2	201215GC8A2	201215GC8A2	201215GC8A2				
Analyst Initials:	CM	CM	CM	CM				
Dilution Factor:	3.0	3.0	3.0	3.0				
ANALYTE	Result % v/v	RL % v/v	Result % v/v	RL % v/v	Result % v/v	RL % v/v	Result % v/v	RL % v/v
Hydrogen	22	3.0	7.7	3.0	1.8 d	0.030	ND d	0.030
Carbon Dioxide	45	0.030	28	0.030	19	0.030	29	0.030
Oxygen/Argon	ND	1.5	6.8	1.5	12	1.5	8.7	1.5
Nitrogen	7.2	3.0	33	3.0	50	3.0	31	3.0
Methane	24	0.0030	24	0.0030	18	0.0030	32	0.0030
Carbon Monoxide	0.042	0.0030	0.0077	0.0030	ND	0.0030	ND	0.0030

Results normalized including non-methane hydrocarbons

ND = Not Detected (below RL)

RL = Reporting Limit

d = Analyzed by secondary analysis, batch number 201217GC8A2

Reviewed/Approved By: Mark Johnson
 Mark Johnson
 Operations Manager

Date 12/21/20

The cover letter is an integral part of this analytical report





January 4, 2021

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



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

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

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

LABORATORY TEST RESULTS

Project Reference: Bridgeton Landfill
Lab Number: L122901-01/18

Enclosed are results for sample(s) received 12/29/20 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 and Dan Feezor, Feezor Engineering on 12/31/20.

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

Sincerely,

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

Mark Johnson
Operations Manager

Enclosures

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



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

CHAIN OF CUSTODY RECORD

TURNAROUND TIME		DELIVERABLES	PAGE: 1 OF 2
Standard	<input type="checkbox"/> 48 hours <input checked="" type="checkbox"/>	EDD <input checked="" type="checkbox"/>	Condition upon receipt: Sealed Yes <input type="checkbox"/> No <input type="checkbox"/> Intact Yes <input type="checkbox"/> No <input type="checkbox"/> Chilled _____ deg C
Same Day	<input type="checkbox"/> 72 hours <input type="checkbox"/>	EDF <input type="checkbox"/>	
24 hours	<input type="checkbox"/> 96 hours <input type="checkbox"/>	Level 3 <input type="checkbox"/>	
Other:	5 Day	Level 4 <input type="checkbox"/>	

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

BILLING	ANALYSIS REQUEST
P.O. No.: PO7112802	D1946 + CO, H2 <i>initial vac "H2"</i>
Bill to: Republic Services	
Attn: Mike Lambrich	
13570 St. Charles Rock Rd. Bridgeton, MO 63044	

LAB USE ONLY	Cannister Pressure ("hg)			SAMPLE IDENTIFICATION	SAMPLE DATE	SAMPLE TIME	CONTAINER QTY/TYPE	MATRIX	PRESERVATION	D1946 + CO, H2	ANALYSIS REQUEST				
	Cannister ID	Sample Start	Sample End												
L122901-01	3835	-20.5	-5	GEW 110	12/22/2020	14:02	C	LFG	NA	X					S
-02	A7645	-20.7	-5	GEW 10	12/22/2020	14:16	C	LFG	NA	X					S
-03	A7811	-19.7	-5	GEW 109	12/22/2020	14:30	C	LFG	NA	X					S
-04	A7795	-20.5	-5	GEW 108	12/22/2020	14:40	C	LFG	NA	X					S
-05	3130	-20.7	-5	GEW 187	12/22/2020	14:52	C	LFG	NA	X					4.5
-06	A7809	-21	-5	GEW 162	12/22/2020	15:05	C	LFG	NA	X					S
-07	5320	-20.7	-5	GEW 161	12/22/2020	15:22	C	LFG	NA	X					4.5
-08	A8094	-19.7	-5	GEW 160	12/23/2020	8:43	C	LFG	NA	X					S
-09	5271	-20.3	-5	GIW 5	12/23/2020	8:56	C	LFG	NA	X					S
-10	A7808	-20.2	-5	GIW 6	12/23/2020	9:06	C	LFG	NA	X					S

AUTHORIZATION TO PERFORM WORK: Dave Penoyer	COMPANY: Republic Services	COMMENTS
SAMPLED BY: Steven Romaine	COMPANY: Hunt Environmental Services	
RELINQUISHED BY: Andy Guthrie	DATE/TIME: 12/22/2020	
<i>Andy Guthrie</i>	<i>12/22/2020</i>	
RELINQUISHED BY: [Signature]	DATE/TIME: 12/29/20	
RELINQUISHED BY: [Signature]	DATE/TIME: 12/29/20	
RELINQUISHED BY: [Signature]	DATE/TIME: 12/29/20	
METHOD OF TRANSPORT (circle one): Walk-In FedEx UPS Courier ATLI Other _____		



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 2
Standard <input type="checkbox"/>	48 hours <input checked="" type="checkbox"/>	EDD <input checked="" type="checkbox"/>	Condition upon receipt: Sealed Yes <input type="checkbox"/> No <input type="checkbox"/> Intact Yes <input type="checkbox"/> No <input type="checkbox"/> Chilled _____ deg C
Same Day <input type="checkbox"/>	72 hours <input type="checkbox"/>	EDF <input type="checkbox"/>	
24 hours <input type="checkbox"/>	96 hours <input type="checkbox"/>	Level 3 <input type="checkbox"/>	
Other: 5 Day		Level 4 <input type="checkbox"/>	

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

BILLING	ANALYSIS REQUEST
P.O. No.: PO7112802	D1946 + CO, H2 initial vac "H5"
Bill to: Republic Services	
Attn: Mike Lambrich	
13570 St. Charles Rock Rd. Bridgeton, MO 63044	

LAB USE ONLY	Cannister Pressure ("hg)			SAMPLE IDENTIFICATION	SAMPLE DATE	SAMPLE TIME	CONTAINER QTY/TYPE	MATRIX	PRESERVATION	D1946 + CO, H2	ANALYSIS REQUEST				
	Cannister ID	Sample Start	Sample End												
L122901-11	5270	-20.2	-5	GEW 91	12/23/2020	9:20	C	LFG	NA	X					S
-12	A7797	-20	-5	GIW 7	12/23/2020	10:54	C	LFG	NA	X					S
-13	A7769	-20.2	-5	GIW 8	12/23/2020	11:04	C	LFG	NA	X					S
-14	5905	-20.2	-5	GIW 9	12/23/2020	11:19	C	LFG	NA	X					S
-15	5816	-20.3	-5	GIW 10	12/23/2020	11:29	C	LFG	NA	X					S
-16	A8079	-20.2	-5	GIW 11	12/23/2020	13:45	C	LFG	NA	X					S
-17	5304	-20	-5	GIW 12	12/23/2020	13:56	C	LFG	NA	X					S
-18	5316	-20.1	-5	GIW 13	12/23/2020	14:08	C	LFG	NA	X					S

AUTHORIZATION TO PERFORM WORK: Dave Penoyer	COMPANY: Republic Services
SAMPLED BY: Steven Romaine	COMPANY: Hunt Environmental Services
DATE/TIME: 12/23/2020	DATE/TIME: 12/23/2020
RELINQUISHED BY: Andy Guthrie	RECEIVED BY: _____
DATE/TIME: 12/27/2020	DATE/TIME: 12/21/20 0920
RELINQUISHED BY: _____	RECEIVED BY: _____
DATE/TIME: 12/29/20	DATE/TIME: _____
RELINQUISHED BY: _____	RECEIVED BY: _____
DATE/TIME: _____	DATE/TIME: _____

COMMENTS

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

Client: Republic Services
Attn: Mike Lambrich
Project Name: Bridgeton Landfill
Project No.: NA
Date Received: 12/29/20
Matrix: Air
Reporting Units: % v/v

ASTM D1946

Lab No.:	L122901-01	L122901-02	L122901-03	L122901-04				
Client Sample I.D.:	GEW 110	GEW 10	GEW 109	GEW 108				
Date/Time Sampled:	12/22/20 14:02	12/22/20 14:16	12/22/20 14:30	12/22/20 14:40				
Date/Time Analyzed:	12/30/20 14:15	12/30/20 14:30	12/30/20 14:44	12/30/20 14:59				
QC Batch No.:	201230GC8A1	201230GC8A1	201230GC8A1	201230GC8A1				
Analyst Initials:	CM	CM	CM	CM				
Dilution Factor:	3.2	3.2	3.2	3.2				
ANALYTE	Result	RL	Result	RL	Result	RL	Result	RL
	% v/v	% v/v	% v/v	% v/v	% v/v	% v/v	% v/v	% v/v
Hydrogen	3.5 d	0.032	0.057 d	0.032	0.22 d	0.032	13	3.2
Carbon Dioxide	43	0.032	39	0.032	37	0.032	42	0.032
Oxygen/Argon	ND	1.6	1.8	1.6	3.5	1.6	ND	1.6
Nitrogen	5.3	3.2	6.1	3.2	15	3.2	4.3	3.2
Methane	47	0.0032	53	0.0032	44	0.0032	40	0.0032
Carbon Monoxide	0.0039	0.0032	ND	0.0032	ND	0.0032	0.013	0.0032

Results normalized including non-methane hydrocarbons

ND = Not Detected (below RL)

RL = Reporting Limit

d = Analyzed by secondary analysis, batch number 201230GC8A2

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

Date 12/31/20

The cover letter is an integral part of this analytical report



Client: Republic Services
 Attn: Mike Lambrich
 Project Name: Bridgeton Landfill
 Project No.: NA
 Date Received: 12/29/20
 Matrix: Air
 Reporting Units: % v/v

ASTM D1946

Lab No.:	L122901-13	L122901-14	L122901-15	L122901-16
Client Sample I.D.:	GIW 8	GIW 9	GIW 10	GIW 11
Date/Time Sampled:	12/23/20 11:04	12/23/20 11:19	12/23/20 11:29	12/23/20 13:45
Date/Time Analyzed:	12/30/20 17:09	12/30/20 17:51	12/30/20 18:06	12/30/20 18:20
QC Batch No.:	201230GC8A1	201230GC8A1	201230GC8A1	201230GC8A1
Analyst Initials:	CM	CM	CM	CM
Dilution Factor:	3.2	3.2	3.2	3.2

ANALYTE	Result		RL		Result		RL		Result		RL	
	% v/v	% v/v	% v/v	% v/v	% v/v	% v/v	% v/v	% v/v	% v/v	% v/v	% v/v	
Hydrogen	ND	d	0.032		8.6	3.2	7.0	3.2	2.3	d	0.032	
Carbon Dioxide	42		0.032		40	0.032	32	0.032	31		0.032	
Oxygen/Argon	ND		1.6		ND	1.6	ND	1.6	2.3		1.6	
Nitrogen	9.0		3.2		15	3.2	30	3.2	35		3.2	
Methane	48		0.0032		35	0.0032	29	0.0032	29		0.0032	
Carbon Monoxide	ND		0.0032		0.0057	0.0032	0.0067	0.0032	0.012		0.0032	

Results normalized including non-methane hydrocarbons

ND = Not Detected (below RL)

RL = Reporting Limit

d = Analyzed by secondary analysis, batch number 201230GC8A2

Reviewed/Approved By: Mark Johnson
 Mark Johnson
 Operations Manager

Date: 12/31/20

The cover letter is an integral part of this analytical report



ATTACHMENT D

GAS WELLFIELD DATA

ATTACHMENT D-1

WELLFIELD DATA TABLE

December 2020 Wellfield Monitoring Data - Bridgeton Landfill

Well Name	Date Sampled	Methane	CO ₂	O ₂	Balance Gas	Init Temp	Adj Temp	Init Flow	Adj Flow	Init Static Press	Adj Static Press	System Pressure
		(% vol)				°F		scfm		H ₂ O		
GEW-002	12/2/2020 11:12:53 AM	50.1	38.0	0.0	11.9	109.2	109.2	27.04	27.04	-0.78	-0.78	-14.57
GEW-002	12/2/2020 11:14:50 AM	49.7	38.3	0.0	12.0	109.2	109.1	14.81	19.15	-0.74	-0.74	-14.44
GEW-002	12/8/2020 9:25:55 AM	50.0	38.0	0.0	12.0	106.9	106.7	19.14	18.36	-1.07	-1.06	-14.01
GEW-002	12/8/2020 9:32:29 AM	49.8	38.0	0.0	12.2	105.3	106.0	20.65	21.50	-1.10	-1.12	-14.14
GEW-002	12/17/2020 9:16:15 AM	51.9	38.1	0.0	10.0	109.5	109.5	22.77	22.77	-0.88	-0.88	-14.01
GEW-002	12/17/2020 9:17:54 AM	51.4	39.0	0.0	9.6	109.5	109.5	19.86	18.13	-0.88	-0.86	-14.08
GEW-002	12/22/2020 9:59:00 AM	50.9	38.1	0.0	11.0	109.3	109.4	15.76	15.76	-0.83	-0.83	-14.63
GEW-002	12/22/2020 10:01:14 AM	50.5	38.7	0.0	10.8	109.5	109.2	8.72	6.57	-0.86	-0.85	-14.01
GEW-002	12/29/2020 10:37:05 AM	51.2	38.7	0.0	10.1	106.2	106.3	13.29	13.29	-0.66	-0.66	-14.26
GEW-003	12/2/2020 11:19:27 AM	53.2	39.8	0.0	7.0	89.6	89.5	3.90	2.39	-0.19	-0.20	-13.95
GEW-003	12/8/2020 9:47:26 AM	54.3	40.3	0.0	5.4	81.7	81.9	7.34	6.79	-0.52	-0.51	-13.71
GEW-003	12/8/2020 9:53:35 AM	54.4	40.7	0.0	4.9	82.8	82.8	7.33	7.33	-0.52	-0.51	-13.77
GEW-003	12/17/2020 9:22:20 AM	54.6	40.8	0.0	4.6	79.4	79.6	24.02	24.02	-0.47	-0.47	-13.77
GEW-003	12/22/2020 10:06:43 AM	54.7	41.0	0.0	4.3	89.6	89.8	9.54	13.20	-0.42	-0.43	-13.77
GEW-003	12/29/2020 10:41:00 AM	55.7	40.4	0.0	3.9	73.2	73.5	10.84	10.47	-0.11	-0.13	-13.89
GEW-004	12/2/2020 11:23:25 AM	53.0	39.1	0.0	7.9	106.3	106.0	9.00	9.00	-0.34	-0.34	-13.53
GEW-004	12/8/2020 9:58:07 AM	53.8	40.0	0.0	6.2	104.8	104.8	10.86	10.16	-0.64	-0.65	-14.20
GEW-004	12/8/2020 10:04:52 AM	54.0	39.2	0.0	6.8	105.0	105.0	10.16	10.16	-0.66	-0.66	-14.08
GEW-004	12/17/2020 9:26:42 AM	53.5	40.7	0.0	5.8	104.3	104.4	11.05	11.17	-0.64	-0.64	-13.83
GEW-004	12/22/2020 10:08:26 AM	53.1	40.9	0.0	6.0	105.7	106.0	13.30	13.01	-0.53	-0.54	-14.44
GEW-004	12/29/2020 10:46:54 AM	53.0	39.9	0.0	7.1	101.8	101.3	9.44	9.44	-0.17	-0.18	-14.26
GEW-005	12/2/2020 11:34:17 AM	57.0	39.2	0.0	3.8	66.1	66.1	10.54	10.54	-0.04	-0.04	-13.83
GEW-005	12/8/2020 10:20:34 AM	57.8	38.7	0.0	3.5	61.4	61.4	6.32	6.32	-0.27	-0.28	-13.83
GEW-005	12/8/2020 10:33:25 AM	58.6	38.6	0.0	2.8	62.6	62.6	6.32	7.48	-0.20	-0.20	-13.71
GEW-005	12/17/2020 9:41:59 AM	57.5	39.4	0.0	3.1	57.2	57.3	4.92	4.02	-0.27	-0.27	-13.83
GEW-005	12/22/2020 10:18:45 AM	56.0	39.6	0.0	4.4	64.2	64.3	7.47	7.47	-0.09	-0.09	-13.95
GEW-005	12/29/2020 10:58:42 AM	57.3	39.0	0.0	3.7	48.2	48.5	6.41	7.02	0.19	0.20	-14.08
GEW-005	12/29/2020 11:01:38 AM	57.4	38.6	0.0	4.0	56.0	56.0	10.65	10.65	0.22	0.22	-14.20
GEW-005	12/30/2020 8:53:06 AM	57.7	38.9	0.0	3.4	63.2	63.5	31.80	30.64	-0.58	-0.57	-13.71
GEW-006	12/2/2020 11:41:34 AM	54.6	38.2	0.0	7.2	82.3	82.3	8.77	9.60	-0.44	-0.45	-14.32
GEW-006	12/9/2020 8:24:03 AM	57.0	37.5	0.0	5.5	81.0	81.0	19.03	18.62	-0.49	-0.49	-13.77
GEW-006	12/9/2020 8:30:33 AM	55.8	39.0	0.0	5.2	81.4	81.3	19.62	18.40	-0.50	-0.49	-13.83
GEW-006	12/17/2020 9:49:26 AM	54.5	38.7	0.0	6.8	80.7	80.8	20.20	20.20	-0.75	-0.75	-13.89
GEW-006	12/22/2020 10:26:25 AM	54.1	39.0	0.0	6.9	81.9	81.9	18.81	18.81	-0.54	-0.54	-13.95
GEW-006	12/29/2020 11:08:53 AM	55.0	38.6	0.0	6.4	79.4	79.4	17.15	16.92	-0.18	-0.17	-14.32
GEW-007	12/2/2020 9:39:26 AM	56.1	39.5	0.0	4.4	85.4	85.4	10.55	10.90	-6.33	-6.33	-14.08
GEW-007	12/9/2020 9:14:21 AM	55.9	41.0	0.0	3.1	87.0	86.8	10.54	11.22	-6.07	-6.07	-14.08
GEW-007	12/9/2020 9:20:25 AM	55.8	41.0	0.0	3.2	87.1	87.2	11.87	10.89	-6.07	-6.07	-13.83
GEW-007	12/16/2020 9:50:06 AM	57.3	39.5	0.0	3.2	83.3	83.3	9.84	9.05	-6.41	-6.41	-13.77
GEW-007	12/22/2020 8:42:48 AM	55.8	40.6	0.0	3.6	86.4	86.5	12.78	10.55	-6.07	-6.07	-13.71

December 2020 Wellfield Monitoring Data - Bridgeton Landfill

Well Name	Date Sampled	Methane	CO ₂	O ₂	Balance Gas	Init Temp	Adj Temp	Init Flow	Adj Flow	Init Static Press	Adj Static Press	System Pressure
		(% vol)				°F		scfm		H ₂ O		
GEW-007	12/29/2020 9:07:34 AM	56.0	40.7	0.0	3.3	83.2	83.0	9.47	9.07	-5.74	-5.74	-14.01
GEW-008	12/2/2020 9:44:04 AM	53.3	42.4	0.0	4.3	108.3	108.2	11.79	12.69	-1.01	-1.01	-14.20
GEW-008	12/9/2020 9:46:41 AM	53.7	41.7	0.0	4.6	110.0	110.2	15.49	15.68	-0.94	-0.94	-14.14
GEW-008	12/9/2020 9:53:20 AM	53.7	42.6	0.0	3.7	110.0	109.7	14.79	14.79	-0.93	-0.93	-14.38
GEW-008	12/16/2020 9:54:49 AM	54.6	42.3	0.0	3.1	108.2	108.2	12.97	12.97	-0.98	-0.98	-14.14
GEW-008	12/22/2020 8:46:13 AM	53.2	42.1	0.0	4.7	110.0	110.0	12.08	12.38	-0.86	-0.85	-14.50
GEW-008	12/29/2020 9:12:12 AM	53.3	42.4	0.0	4.3	107.3	107.4	21.84	20.80	-0.76	-0.77	-14.01
GEW-009	12/2/2020 9:48:14 AM	49.9	40.0	0.0	10.1	116.3	116.3	9.32	10.07	-0.13	-0.13	-14.20
GEW-009	12/9/2020 9:58:15 AM	50.8	42.0	0.0	7.2	120.2	120.2	15.64	15.64	-0.10	-0.10	-13.77
GEW-009	12/9/2020 10:04:10 AM	51.0	42.6	0.0	6.4	120.0	119.9	10.39	9.29	-0.11	-0.11	-14.08
GEW-009	12/16/2020 9:59:53 AM	51.0	40.6	0.0	8.4	116.0	115.8	6.59	7.61	-0.15	-0.15	-14.08
GEW-009	12/22/2020 8:53:16 AM	50.5	42.5	0.0	7.0	117.4	117.1	7.12	6.01	-0.03	-0.04	-14.08
GEW-009	12/29/2020 9:16:46 AM	51.9	42.4	0.0	5.7	116.0	116.5	27.72	27.19	-0.11	-0.11	-14.20
GEW-010	12/2/2020 10:42:49 AM	55.7	42.4	0.0	1.9	83.3	83.7	1.63	1.63	-5.07	-5.07	-19.12
GEW-010	12/9/2020 10:14:00 AM	56.6	43.3	0.0	0.1	77.1	77.7	4.18	3.06	-5.07	-5.07	-19.11
GEW-010	12/9/2020 10:19:55 AM	57.0	41.8	0.0	1.2	79.0	79.6	1.63	2.31	-5.07	-5.07	-18.90
GEW-010	12/14/2020 10:52:29 AM	56.1	43.9	0.0	0.0	72.9	73.6	3.88	4.37	-5.11	-5.11	-18.82
GEW-010	12/21/2020 9:26:51 AM	56.1	43.8	0.0	0.1	74.8	75.1	3.86	3.07	-5.74	-5.74	-19.96
GEW-010	12/22/2020 2:12:39 PM	56.6	43.3	0.0	0.1	83.1	83.5	3.44	4.29	-4.94	-4.94	-19.28
GEW-010	12/22/2020 2:19:02 PM	57.1	41.5	0.0	1.4	83.3	83.0	1.98	3.24	-5.19	-5.19	-19.37
GEW-010	12/30/2020 9:31:42 AM	55.6	44.4	0.0	0.0	66.1	66.3	3.34	2.36	-5.74	-5.74	-19.20
GEW-013A	12/4/2020 9:10:59 AM	9.1	70.6	0.0	20.3	192.9	192.7	12.12	14.48	-4.09	-4.08	-20.89
GEW-013A	12/4/2020 9:12:42 AM	8.8	72.0	0.0	19.2	192.4	192.2	12.87	12.21	-4.01	-4.01	-20.94
GEW-013A	12/17/2020 9:25:02 AM	11.2	64.8	0.0	24.0	176.9	170.6	15.06	12.67	-5.74	-5.74	-20.21
GEW-013A	12/17/2020 9:32:10 AM	9.2	67.6	0.0	23.2	185.7	192.3	9.48	11.41	-3.85	-3.85	-20.08
GEW-015	12/4/2020 10:12:27 AM	28.5	55.4	0.0	16.1	85.4	85.3	4.46	4.46	-3.87	-3.88	-20.09
GEW-015	12/29/2020 1:56:21 PM	25.9	52.7	0.0	21.4	72.8	72.9	4.88	2.90	-2.80	-2.81	-20.20
GEW-016R	12/4/2020 10:21:24 AM	14.9	59.4	0.0	25.7	151.0	150.9	14.52	14.09	-3.07	-3.08	-19.97
GEW-016R	12/4/2020 10:23:40 AM	14.7	60.3	0.0	25.0	147.7	147.7	11.27	8.49	-2.29	-2.30	-19.92
GEW-016R	12/17/2020 2:31:58 PM	13.6	58.2	0.0	28.2	145.9	145.9	10.20	10.25	-2.08	-2.08	-19.79
GEW-016R	12/17/2020 2:34:39 PM	13.7	58.8	0.0	27.5	141.4	141.2	6.52	5.72	-1.67	-1.68	-19.58
GEW-018B	12/4/2020 2:32:04 PM	4.0	53.1	0.9	42.0	185.7	178.6	45.35	46.09	-1.87	-1.88	-19.55
GEW-018B	12/4/2020 2:34:19 PM	3.7	54.3	0.9	41.1	191.6	191.2	34.60	34.64	-1.24	-1.24	-19.63
GEW-018B	12/17/2020 11:23:53 AM	2.6	56.1	0.2	41.1	197.2	197.2	38.76	38.60	-0.43	-0.43	-20.21
GEW-018B	12/17/2020 11:27:24 AM	2.3	58.7	0.0	39.0	196.4	197.2	34.52	34.01	-0.18	-0.18	-19.70
GEW-019A	12/3/2020 10:51:47 AM	2.4	63.5	2.9	31.2	60.3	60.3	4.22	4.69	-15.56	-15.56	-19.55
GEW-019A	12/28/2020 11:17:41 AM	1.2	65.3	4.9	28.6	39.3	39.2	3.44	3.21	-15.53	-15.53	-19.53
GEW-039	12/2/2020 10:52:26 AM	38.1	36.2	0.5	25.2	96.3	96.3	10.24	9.86	-0.02	-0.02	-19.12
GEW-039	12/9/2020 10:40:02 AM	43.5	39.8	0.3	16.4	97.2	97.3	3.85	3.85	-0.01	-0.01	-19.03
GEW-039	12/9/2020 10:45:40 AM	43.3	39.1	0.3	17.3	96.5	96.7	7.20	6.08	-0.01	-0.01	-18.94

December 2020 Wellfield Monitoring Data - Bridgeton Landfill

Well Name	Date Sampled	Methane	CO ₂	O ₂	Balance Gas	Init Temp	Adj Temp	Init Flow	Adj Flow	Init Static Press	Adj Static Press	System Pressure
		(% vol)				°F		scfm		H ₂ O		
GEW-039	12/14/2020 10:58:44 AM	37.5	39.5	0.9	22.1	91.9	91.9	4.73	6.11	-0.02	-0.02	-18.86
GEW-039	12/21/2020 9:34:00 AM	40.7	39.3	0.7	19.3	72.3	72.5	14.19	18.24	-0.04	-0.04	-19.62
GEW-039	12/30/2020 9:40:35 AM	35.2	36.7	1.5	26.6	74.1	76.6	44.88	25.38	-0.02	-0.01	-19.20
GEW-040	12/2/2020 10:28:46 AM	59.4	35.2	0.0	5.4	48.5	48.5	9.93	8.60	-0.14	-0.13	-13.77
GEW-040	12/9/2020 11:08:25 AM	60.1	36.5	0.0	3.4	61.5	61.5	5.66	6.32	-0.28	-0.28	-13.65
GEW-040	12/9/2020 11:17:38 AM	60.6	35.0	0.0	4.4	62.1	62.1	6.32	4.89	-0.37	-0.37	-13.53
GEW-040	12/16/2020 11:02:05 AM	55.9	36.8	0.0	7.3	35.9	36.1	3.11	3.37	-0.24	-0.25	-13.71
GEW-040	12/22/2020 9:22:08 AM	50.5	35.0	0.0	14.5	46.3	46.2	8.12	7.59	-0.34	-0.34	-13.77
GEW-040	12/22/2020 9:23:52 AM	50.8	34.4	0.0	14.8	46.0	46.0	7.03	7.60	-0.25	-0.25	-13.77
GEW-040	12/29/2020 9:49:09 AM	57.7	35.6	0.0	6.7	34.1	34.1	5.81	6.50	-0.13	-0.14	-13.77
GEW-041R	12/2/2020 10:33:33 AM	50.3	33.6	0.0	16.1	63.9	64.2	12.86	12.11	-0.05	-0.05	-13.77
GEW-041R	12/9/2020 11:24:55 AM	50.2	34.1	0.0	15.7	73.9	73.9	10.83	9.69	-0.07	-0.06	-13.71
GEW-041R	12/9/2020 11:31:33 AM	50.0	35.2	0.0	14.8	76.9	76.8	6.24	6.83	-0.06	-0.06	-13.65
GEW-041R	12/16/2020 11:08:07 AM	51.1	34.6	0.0	14.3	46.5	46.5	10.35	10.35	-0.06	-0.06	-13.95
GEW-041R	12/22/2020 9:27:28 AM	50.8	34.7	0.0	14.5	63.8	64.2	3.99	2.82	-0.01	-0.02	-13.77
GEW-041R	12/29/2020 9:53:36 AM	50.0	34.5	0.0	15.5	41.2	41.5	18.30	15.95	-0.13	-0.14	-13.95
GEW-042R	12/2/2020 10:37:01 AM	53.5	36.6	0.0	9.9	98.4	98.2	8.58	8.58	-3.11	-3.11	-13.89
GEW-042R	12/9/2020 11:36:10 AM	54.4	38.0	0.0	7.6	100.1	100.1	8.99	8.13	-3.02	-3.02	-13.04
GEW-042R	12/9/2020 11:42:01 AM	54.4	38.2	0.0	7.4	100.4	100.4	10.14	10.50	-3.04	-3.03	-13.65
GEW-042R	12/16/2020 11:12:57 AM	54.4	37.3	0.0	8.3	89.6	89.3	8.21	8.21	-3.14	-3.14	-13.77
GEW-042R	12/22/2020 9:30:20 AM	54.2	37.7	0.0	8.1	98.2	98.2	7.19	9.41	-2.94	-2.94	-14.20
GEW-042R	12/29/2020 9:57:31 AM	50.8	36.7	0.0	12.5	94.8	94.6	8.61	9.82	-3.19	-3.19	-13.83
GEW-042R	12/29/2020 9:59:12 AM	50.5	37.2	0.0	12.3	94.7	94.1	10.19	9.03	-3.06	-3.07	-13.83
GEW-043R	12/2/2020 10:41:33 AM	54.6	40.6	0.0	4.8	114.0	113.5	17.83	18.42	-1.54	-1.54	-13.95
GEW-043R	12/9/2020 11:46:36 AM	53.8	40.5	0.0	5.7	114.5	114.3	21.08	21.08	-1.46	-1.46	-13.89
GEW-043R	12/9/2020 11:52:01 AM	54.0	40.5	0.0	5.5	114.3	114.5	21.16	21.50	-1.47	-1.48	-13.77
GEW-043R	12/16/2020 11:17:53 AM	54.1	40.1	0.0	5.8	113.5	113.7	18.04	17.00	-1.52	-1.52	-14.32
GEW-043R	12/22/2020 9:33:53 AM	54.1	40.1	0.0	5.8	114.0	113.9	18.62	20.29	-1.62	-1.62	-14.26
GEW-043R	12/29/2020 10:03:53 AM	53.4	40.1	0.0	6.5	112.5	112.6	19.40	18.45	-1.60	-1.60	-14.01
GEW-044	12/2/2020 10:45:55 AM	36.4	34.8	0.0	28.8	61.1	60.9	1.24	1.24	-0.10	-0.10	-13.71
GEW-044	12/2/2020 10:47:22 AM	36.3	34.2	0.0	29.5	59.7	59.7	1.91	1.40	-0.07	-0.06	-13.71
GEW-044	12/8/2020 11:15:22 AM	36.3	34.8	0.0	28.9	59.6	59.6	1.30	1.19	-0.03	-0.03	-13.77
GEW-044	12/8/2020 11:23:45 AM	37.2	35.0	0.0	27.8	60.0	59.9	2.93	3.04	-0.01	-0.01	-13.71
GEW-044	12/16/2020 11:22:28 AM	41.1	36.2	0.0	22.7	42.4	42.5	1.62	1.62	-0.02	-0.02	-13.77
GEW-044	12/22/2020 9:37:21 AM	32.9	34.1	0.0	33.0	59.4	59.4	1.50	1.40	-0.19	-0.19	-13.65
GEW-044	12/22/2020 9:40:37 AM	33.0	34.5	0.0	32.5	57.0	56.8	1.50	1.68	-0.20	-0.20	-13.77
GEW-044	12/23/2020 10:55:44 AM	48.5	38.6	0.0	12.9	67.2	67.2	2.31	2.31	0.10	0.10	-13.65
GEW-044	12/23/2020 11:01:23 AM	49.5	38.3	0.0	12.2	69.1	69.0	1.26	1.24	-0.07	-0.07	-13.46
GEW-044	12/29/2020 10:13:31 AM	35.7	34.5	0.0	29.8	36.4	36.4	1.21	0.77	-0.19	-0.19	-13.83
GEW-044	12/29/2020 10:15:09 AM	35.6	35.2	0.0	29.2	35.1	35.0	0.77	1.22	-0.17	-0.17	-13.71

December 2020 Wellfield Monitoring Data - Bridgeton Landfill

Well Name	Date Sampled	Methane	CO ₂	O ₂	Balance Gas	Init Temp	Adj Temp	Init Flow	Adj Flow	Init Static Press	Adj Static Press	System Pressure
		(% vol)				°F		scfm		H ₂ O		
GEW-045R	12/2/2020 10:58:34 AM	53.5	38.6	0.0	7.9	90.5	90.5	5.43	4.70	-5.74	-5.74	-13.89
GEW-045R	12/8/2020 8:51:01 AM	54.6	37.8	0.0	7.6	87.5	87.4	9.44	9.44	-5.44	-5.44	-13.71
GEW-045R	12/8/2020 8:58:57 AM	53.7	39.7	0.0	6.6	87.7	87.7	8.62	8.17	-5.44	-5.44	-13.77
GEW-045R	12/17/2020 9:00:21 AM	54.6	37.4	0.0	8.0	87.6	87.7	10.54	11.22	-6.07	-6.07	-13.77
GEW-045R	12/22/2020 9:49:32 AM	52.1	39.3	0.0	8.6	91.7	91.6	17.98	20.10	-6.20	-6.20	-13.77
GEW-045R	12/29/2020 10:24:45 AM	51.8	38.7	0.0	9.5	85.3	85.3	9.05	9.05	-5.74	-5.74	-14.08
GEW-046R	12/2/2020 11:02:53 AM	54.9	40.5	0.0	4.6	98.4	98.4	9.47	7.73	-0.09	-0.09	-13.65
GEW-046R	12/8/2020 9:03:30 AM	55.2	40.5	0.0	4.3	94.6	95.0	9.89	9.09	-0.35	-0.35	-13.65
GEW-046R	12/8/2020 9:09:26 AM	55.0	41.8	0.0	3.2	94.6	95.0	6.72	7.76	-0.32	-0.32	-13.53
GEW-046R	12/17/2020 9:06:05 AM	54.9	41.5	0.0	3.6	94.3	94.1	8.23	6.72	-0.33	-0.33	-13.77
GEW-046R	12/22/2020 9:53:03 AM	53.7	40.9	0.0	5.4	98.2	98.2	8.20	7.23	-0.38	-0.38	-13.77
GEW-046R	12/29/2020 10:28:13 AM	54.1	40.4	0.0	5.5	93.4	93.3	9.90	9.90	-0.18	-0.18	-14.08
GEW-047R	12/2/2020 11:30:41 AM	50.5	39.1	0.0	10.4	93.9	94.0	8.68	7.76	-0.16	-0.16	-14.08
GEW-047R	12/8/2020 10:09:28 AM	50.4	38.8	0.0	10.8	89.3	89.5	6.75	5.51	-0.37	-0.37	-13.83
GEW-047R	12/8/2020 10:15:23 AM	50.5	39.4	0.0	10.1	90.5	90.4	6.74	6.15	-0.36	-0.36	-13.71
GEW-047R	12/17/2020 9:36:25 AM	49.0	40.1	0.0	10.9	87.9	88.7	2.76	3.90	-0.39	-0.39	-13.77
GEW-047R	12/17/2020 9:37:55 AM	49.1	39.8	0.0	11.1	88.6	88.6	4.77	5.51	-0.42	-0.41	-13.71
GEW-047R	12/22/2020 10:14:19 AM	47.9	40.4	0.0	11.7	91.3	91.2	9.92	9.53	-0.29	-0.28	-14.26
GEW-047R	12/22/2020 10:15:51 AM	48.3	39.3	0.0	12.4	91.9	92.0	9.91	8.69	-0.24	-0.24	-13.77
GEW-047R	12/29/2020 10:53:12 AM	48.9	40.2	0.0	10.9	81.4	81.2	11.11	9.63	0.15	0.15	-14.01
GEW-047R	12/29/2020 10:54:48 AM	49.3	39.5	0.0	11.2	82.8	82.6	17.55	18.20	0.12	0.12	-14.01
GEW-047R	12/30/2020 8:46:22 AM	48.9	37.4	0.0	13.7	84.1	84.4	7.82	7.82	-0.74	-0.73	-13.40
GEW-047R	12/30/2020 8:48:14 AM	47.9	38.0	0.0	14.1	84.7	84.9	8.29	8.29	-0.71	-0.71	-13.53
GEW-048	12/2/2020 11:37:34 AM	55.7	38.4	0.0	5.9	92.9	92.9	16.47	14.53	-0.47	-0.48	-13.89
GEW-048	12/8/2020 10:37:49 AM	55.5	38.8	0.0	5.7	92.2	92.2	13.73	13.17	-0.64	-0.63	-14.69
GEW-048	12/8/2020 10:44:17 AM	56.0	39.3	0.0	4.7	91.9	91.9	14.27	12.89	-0.60	-0.59	-13.95
GEW-048	12/17/2020 9:45:35 AM	55.8	39.2	0.0	5.0	91.9	91.9	9.23	9.69	-0.76	-0.76	-14.20
GEW-048	12/22/2020 10:22:03 AM	54.7	39.8	0.0	5.5	92.2	92.4	12.11	12.07	-0.54	-0.56	-13.83
GEW-048	12/29/2020 11:05:41 AM	55.5	38.5	0.0	6.0	88.6	88.7	22.45	21.83	-0.19	-0.19	-14.75
GEW-049	12/2/2020 10:51:52 AM	46.2	37.5	0.0	16.3	61.3	61.6	12.01	10.76	0.04	0.03	-13.77
GEW-049	12/2/2020 10:54:15 AM	46.2	38.1	0.0	15.7	62.4	62.7	16.13	16.36	-0.04	-0.04	-13.71
GEW-049	12/3/2020 9:52:01 AM	52.2	38.0	0.0	9.8	60.3	60.3	13.29	10.22	-0.05	-0.04	-13.83
GEW-049	12/8/2020 10:49:04 AM	47.1	37.6	0.0	15.3	60.3	60.4	6.94	6.94	-0.11	-0.11	-13.77
GEW-049	12/8/2020 10:55:18 AM	47.4	37.5	0.0	15.1	61.1	61.1	6.93	6.93	-0.06	-0.06	-13.71
GEW-049	12/16/2020 11:36:38 AM	52.4	39.1	0.0	8.5	75.5	75.7	4.84	2.79	0.04	0.05	-13.95
GEW-049	12/16/2020 11:39:25 AM	52.5	39.2	0.0	8.3	78.5	79.8	15.51	16.29	-0.02	-0.02	-13.95
GEW-049	12/22/2020 9:44:14 AM	42.9	37.3	0.0	19.8	93.5	93.7	5.49	4.75	-0.38	-0.39	-13.71
GEW-049	12/22/2020 9:45:40 AM	42.9	37.5	0.0	19.6	93.3	93.4	6.72	6.14	-0.36	-0.36	-13.83
GEW-049	12/29/2020 10:19:07 AM	42.9	36.6	0.0	20.5	86.6	86.6	8.74	8.74	-0.25	-0.25	-13.89
GEW-049	12/29/2020 10:20:52 AM	42.7	37.3	0.0	20.0	86.5	86.5	9.16	9.16	-0.21	-0.21	-13.89

December 2020 Wellfield Monitoring Data - Bridgeton Landfill

Well Name	Date Sampled	Methane	CO ₂	O ₂	Balance Gas	Init Temp	Adj Temp	Init Flow	Adj Flow	Init Static Press	Adj Static Press	System Pressure
		(% vol)				°F		scfm		H ₂ O		
GEW-050	12/2/2020 9:24:55 AM	50.1	36.4	0.0	13.5	91.3	91.5	9.46	9.93	-0.49	-0.48	-6.85
GEW-050	12/2/2020 9:28:21 AM	49.6	36.7	0.0	13.7	90.8	90.6	8.70	6.74	-0.46	-0.45	-8.26
GEW-050	12/9/2020 8:35:57 AM	52.7	38.8	0.0	8.5	92.6	92.4	11.66	11.66	-0.20	-0.20	-6.67
GEW-050	12/9/2020 8:42:22 AM	52.8	39.5	0.0	7.7	92.4	92.2	8.25	10.28	-0.17	-0.17	-6.55
GEW-050	12/14/2020 9:47:23 AM	49.8	35.5	0.0	14.7	89.2	89.4	12.26	12.26	-0.50	-0.50	-6.18
GEW-050	12/14/2020 9:49:27 AM	48.7	36.7	0.0	14.6	89.4	89.4	10.67	10.67	-0.48	-0.48	-6.61
GEW-050	12/16/2020 8:25:38 AM	54.2	36.6	0.0	9.2	87.2	87.5	12.35	11.71	-0.35	-0.36	-5.02
GEW-050	12/22/2020 8:32:27 AM	49.5	37.1	0.0	13.4	91.5	91.7	11.34	11.34	-0.34	-0.34	-6.00
GEW-050	12/22/2020 8:34:10 AM	49.0	37.4	0.0	13.6	91.6	91.5	11.00	11.00	-0.32	-0.31	-6.92
GEW-050	12/29/2020 8:55:26 AM	52.5	37.5	0.0	10.0	83.9	84.3	11.43	11.43	0.06	0.04	-5.39
GEW-050	12/29/2020 8:57:31 AM	51.5	38.3	0.0	10.2	86.3	86.2	11.40	10.12	-0.01	-0.02	-8.94
GEW-051	12/2/2020 9:54:17 AM	54.9	40.7	0.0	4.4	108.9	109.2	8.55	7.55	-0.69	-0.68	-13.46
GEW-051	12/9/2020 10:11:34 AM	54.7	40.8	0.0	4.5	112.0	112.0	10.45	8.95	-0.51	-0.50	-13.77
GEW-051	12/9/2020 10:16:57 AM	54.8	42.3	0.0	2.9	112.5	112.5	12.36	12.94	-0.54	-0.53	-13.95
GEW-051	12/16/2020 10:05:20 AM	55.0	41.1	0.0	3.9	107.8	108.0	9.38	9.20	-0.72	-0.71	-13.83
GEW-051	12/22/2020 9:01:09 AM	54.5	40.7	0.0	4.8	110.2	110.2	7.15	8.11	-0.46	-0.46	-13.34
GEW-051	12/29/2020 9:23:13 AM	54.6	41.2	0.0	4.2	105.3	105.7	7.68	9.01	-0.31	-0.30	-13.89
GEW-052	12/2/2020 9:32:35 AM	47.0	36.8	0.0	16.2	93.9	93.7	7.76	9.11	-0.14	-0.14	-13.83
GEW-052	12/2/2020 9:35:16 AM	46.7	37.4	0.0	15.9	93.9	93.9	5.69	5.56	-0.14	-0.14	-13.89
GEW-052	12/9/2020 8:47:35 AM	49.7	39.2	0.0	11.1	97.4	97.9	11.07	11.30	-0.01	-0.01	-13.71
GEW-052	12/9/2020 8:54:07 AM	50.2	39.3	0.0	10.5	97.1	97.2	9.08	9.08	-0.05	-0.05	-14.14
GEW-052	12/14/2020 10:10:59 AM	46.4	36.3	0.0	17.3	91.8	91.9	9.53	9.53	-0.11	-0.12	-13.83
GEW-052	12/14/2020 10:12:46 AM	46.0	36.8	0.0	17.2	91.3	91.3	8.70	8.26	-0.09	-0.09	-14.14
GEW-052	12/16/2020 8:29:51 AM	49.3	37.6	0.0	13.1	90.3	90.3	9.54	8.26	-0.11	-0.11	-13.83
GEW-052	12/16/2020 8:31:48 AM	48.9	38.7	0.0	12.4	90.3	90.1	7.29	6.16	-0.12	-0.13	-13.65
GEW-052	12/22/2020 8:37:28 AM	45.3	37.2	0.0	17.5	95.3	95.3	9.50	8.67	-0.07	-0.07	-13.83
GEW-052	12/22/2020 8:39:12 AM	45.1	37.6	0.0	17.3	96.0	96.0	10.25	9.49	-0.07	-0.07	-13.77
GEW-052	12/29/2020 9:01:09 AM	48.1	37.7	0.0	14.2	88.3	88.4	9.16	7.81	0.12	0.12	-13.83
GEW-052	12/29/2020 9:03:36 AM	47.8	38.1	0.0	14.1	90.1	90.3	9.14	6.75	0.11	0.11	-14.01
GEW-052	12/30/2020 8:58:55 AM	46.0	36.8	0.0	17.2	91.7	92.4	4.76	4.76	-0.38	-0.38	-13.71
GEW-052	12/30/2020 9:00:41 AM	45.8	37.4	0.0	16.8	92.7	92.5	6.14	8.69	-0.39	-0.39	-13.83
GEW-053	12/2/2020 10:02:54 AM	51.1	41.2	0.0	7.7	135.0	135.2	24.39	25.09	-0.63	-0.62	-13.95
GEW-053	12/2/2020 10:04:41 AM	50.9	41.9	0.0	7.2	135.5	135.3	19.79	20.49	-0.60	-0.60	-14.26
GEW-053	12/9/2020 10:23:27 AM	50.4	42.0	0.0	7.6	140.6	141.4	7.45	7.45	-0.50	-0.49	-13.89
GEW-053	12/9/2020 10:30:18 AM	50.4	43.9	0.0	5.7	140.9	141.2	15.35	15.80	-0.52	-0.53	-13.83
GEW-053	12/16/2020 10:14:02 AM	51.4	42.2	0.0	6.4	140.3	140.2	8.74	8.33	-0.61	-0.60	-13.77
GEW-053	12/16/2020 10:15:43 AM	50.4	42.8	0.0	6.8	140.2	139.9	9.13	9.07	-0.61	-0.61	-13.95
GEW-053	12/22/2020 9:08:19 AM	50.2	41.8	0.0	8.0	141.2	140.9	12.99	11.85	-0.46	-0.48	-13.83
GEW-053	12/22/2020 9:09:18 AM	49.9	42.3	0.0	7.8	140.6	140.7	10.86	13.43	-0.48	-0.49	-13.65
GEW-053	12/29/2020 9:30:30 AM	50.3	42.0	0.0	7.7	138.7	139.0	34.00	32.64	-0.45	-0.46	-14.08

December 2020 Wellfield Monitoring Data - Bridgeton Landfill

Well Name	Date Sampled	Methane	CO ₂	O ₂	Balance Gas	Init Temp	Adj Temp	Init Flow	Adj Flow	Init Static Press	Adj Static Press	System Pressure
		(% vol)				°F		scfm		H ₂ O		
GEW-053	12/29/2020 9:32:02 AM	50.1	42.8	0.0	7.1	139.0	138.7	33.26	29.73	-0.46	-0.46	-13.71
GEW-054	12/2/2020 10:09:39 AM	53.6	41.7	0.0	4.7	145.3	145.3	57.19	53.63	-4.70	-4.70	-14.14
GEW-054	12/2/2020 10:11:06 AM	53.4	41.5	0.0	5.1	145.2	145.2	52.84	54.16	-4.71	-4.72	-14.75
GEW-054	12/9/2020 10:36:04 AM	53.2	42.5	0.0	4.3	145.5	145.2	44.80	44.80	-4.18	-4.18	-13.77
GEW-054	12/9/2020 10:44:21 AM	53.4	43.3	0.0	3.3	145.6	145.4	40.09	40.93	-4.19	-4.19	-14.08
GEW-054	12/16/2020 10:41:22 AM	54.7	41.3	0.0	4.0	146.3	146.3	38.39	38.02	-4.10	-4.11	-13.77
GEW-054	12/16/2020 10:43:30 AM	54.2	41.6	0.0	4.2	146.3	146.3	38.39	38.19	-4.13	-4.12	-13.71
GEW-054	12/22/2020 9:13:32 AM	52.8	43.0	0.0	4.2	145.6	145.6	42.94	43.04	-4.19	-4.20	-14.01
GEW-054	12/22/2020 9:15:24 AM	52.9	43.0	0.0	4.1	145.6	145.6	52.98	53.22	-4.48	-4.47	-14.69
GEW-054	12/29/2020 9:36:47 AM	53.6	42.4	0.0	4.0	145.6	145.6	56.42	53.73	-4.56	-4.56	-14.14
GEW-054	12/29/2020 9:38:34 AM	53.6	42.4	0.0	4.0	145.6	145.6	59.26	59.26	-4.69	-4.68	-13.83
GEW-055	12/2/2020 10:24:01 AM	53.5	43.3	0.0	3.2	124.9	124.7	8.25	7.59	-0.72	-0.71	-13.77
GEW-055	12/9/2020 10:57:52 AM	52.6	42.8	0.0	4.6	128.0	128.3	4.82	5.17	-0.69	-0.68	-13.71
GEW-055	12/9/2020 11:03:56 AM	52.3	44.4	0.0	3.3	128.6	128.9	6.98	6.64	-0.68	-0.69	-13.59
GEW-055	12/16/2020 10:51:50 AM	53.7	42.7	0.0	3.6	119.9	120.2	5.68	5.99	-0.70	-0.70	-13.71
GEW-055	12/22/2020 11:12:30 AM	53.2	41.9	0.0	4.9	125.6	125.3	6.67	7.81	-0.57	-0.57	-13.71
GEW-055	12/29/2020 9:45:31 AM	53.2	41.8	0.0	5.0	117.3	117.1	6.31	6.02	-0.61	-0.61	-13.89
GEW-056R	12/2/2020 10:45:44 AM	47.7	39.4	0.0	12.9	74.9	74.8	2.90	2.05	-0.24	-0.24	-19.21
GEW-056R	12/9/2020 10:26:26 AM	48.8	43.5	0.0	7.7	84.2	84.2	1.16	1.64	-0.28	-0.28	-19.28
GEW-056R	12/9/2020 10:32:34 AM	49.0	42.4	0.0	8.6	83.0	83.3	4.92	2.59	-0.28	-0.27	-19.03
GEW-056R	12/14/2020 10:55:17 AM	46.4	41.4	0.0	12.2	60.1	60.2	2.97	3.21	-0.32	-0.32	-18.60
GEW-056R	12/21/2020 9:29:45 AM	49.6	42.3	0.0	8.1	65.3	66.8	4.15	2.67	-0.42	-0.42	-19.62
GEW-056R	12/30/2020 9:35:40 AM	49.1	41.4	0.0	9.5	51.5	51.0	2.13	2.47	-0.41	-0.41	-19.07
GEW-057B	12/11/2020 9:24:38 AM	8.9	57.1	0.0	34.0	156.5	154.4	15.25	13.14	-13.85	-13.85	-21.56
GEW-057B	12/11/2020 9:29:10 AM	11.1	55.0	0.0	33.9	146.3	145.6	8.28	8.78	-8.19	-8.19	-11.50
GEW-057B	12/21/2020 2:23:12 PM	7.3	56.9	0.1	35.7	125.0	126.4	12.43	4.97	-14.52	-14.52	-18.99
GEW-058A	12/2/2020 1:48:53 PM	3.7	28.8	6.9	60.6	64.0	64.0	3.18	2.94	-2.66	-2.67	-19.21
GEW-058A	12/2/2020 1:50:46 PM	3.8	30.1	6.5	59.6	63.7	63.7	1.70	1.70	-2.08	-2.06	-19.08
GEW-058A	12/10/2020 2:22:59 PM	1.3	35.0	6.0	57.7	76.2	76.2	6.13	4.26	-1.20	-1.19	-18.79
GEW-058A	12/10/2020 2:24:30 PM	1.4	38.5	5.4	54.7	76.6	76.6	4.42	3.92	-0.65	-0.65	-19.83
GEW-058A	12/16/2020 12:11:07 PM	0.4	17.8	12.9	68.9	44.6	44.6	3.08	2.81	-0.55	-0.54	-20.01
GEW-058A	12/16/2020 12:14:24 PM	0.5	23.6	11.2	64.7	43.8	43.9	2.81	3.08	-0.48	-0.48	-19.65
GEW-059R	12/8/2020 2:38:35 PM	26.2	39.6	0.0	34.2	117.3	117.3	3.75	4.46	-6.75	-6.75	-19.34
GEW-059R	12/23/2020 1:50:19 PM	26.2	42.5	0.0	31.3	109.7	110.0	4.91	5.37	-6.41	-6.41	-19.95
GEW-059R	12/23/2020 1:51:43 PM	26.3	42.4	0.0	31.3	106.7	106.7	4.41	4.68	-6.12	-6.12	-20.07
GEW-067A	12/3/2020 2:17:33 PM	11.3	53.0	0.0	35.7	174.2	173.6	10.56	5.97	-17.80	-17.80	-19.50
GEW-067A	12/3/2020 2:19:27 PM	11.6	51.8	0.0	36.6	173.6	170.6	5.53	5.55	-15.60	-15.60	-19.59
GEW-067A	12/17/2020 10:04:08 AM	9.5	55.7	0.0	34.8	187.6	186.7	5.01	2.68	-11.14	-11.14	-19.87
GEW-067A	12/17/2020 10:06:49 AM	9.4	55.5	0.0	35.1	185.1	183.9	6.06	5.92	-8.10	-8.10	-19.62
GEW-068A	12/10/2020 1:59:34 PM	23.6	49.6	0.0	26.8	168.1	167.6	25.17	25.29	-7.43	-7.43	-19.66

December 2020 Wellfield Monitoring Data - Bridgeton Landfill

Well Name	Date Sampled	Methane	CO ₂	O ₂	Balance Gas	Init Temp	Adj Temp	Init Flow	Adj Flow	Init Static Press	Adj Static Press	System Pressure
		(% vol)				°F		scfm		H ₂ O		
GEW-068A	12/10/2020 2:02:00 PM	23.7	48.8	0.0	27.5	166.6	165.2	22.62	22.67	-6.29	-6.29	-19.28
GEW-068A	12/21/2020 1:46:39 PM	24.6	50.9	0.2	24.3	166.6	166.1	21.29	20.79	-6.46	-6.46	-19.41
GEW-068A	12/21/2020 1:48:02 PM	24.2	51.6	0.1	24.1	165.7	165.2	21.44	21.43	-6.42	-6.42	-19.49
GEW-078R	12/7/2020 2:25:50 PM	26.2	37.9	0.0	35.9	151.7	149.9	38.30	38.44	-10.02	-10.02	-19.97
GEW-078R	12/7/2020 2:28:04 PM	25.4	38.8	0.0	35.8	148.4	148.4	29.44	28.69	-8.03	-8.03	-20.01
GEW-078R	12/18/2020 9:47:49 AM	26.7	46.4	0.0	26.9	144.6	144.8	31.36	31.07	-7.09	-7.09	-19.70
GEW-078R	12/18/2020 9:49:28 AM	27.6	43.4	0.0	29.0	145.6	144.5	31.36	31.19	-7.26	-7.26	-19.66
GEW-082R	12/7/2020 9:11:07 AM	10.2	33.8	0.0	56.0	169.5	169.8	2.43	2.63	-5.50	-5.50	-20.56
GEW-082R	12/7/2020 9:14:06 AM	9.8	36.0	0.0	54.2	168.1	168.1	4.78	4.57	-4.74	-4.73	-20.47
GEW-082R	12/17/2020 11:32:08 AM	9.8	40.4	0.0	49.8	168.5	167.5	3.30	3.59	-3.88	-3.89	-19.41
GEW-082R	12/17/2020 11:34:25 AM	10.4	38.1	0.0	51.5	165.2	163.3	3.32	2.46	-3.15	-3.16	-19.28
GEW-086	12/2/2020 1:56:55 PM	10.8	27.1	6.9	55.2	158.1	156.5	11.15	10.00	-0.25	-0.25	-19.03
GEW-086	12/2/2020 2:29:06 PM	11.4	29.7	5.9	53.0	152.1	152.1	3.28	2.60	-0.13	-0.13	-18.97
GEW-086	12/3/2020 10:38:27 AM	12.9	26.9	6.8	53.4	124.2	124.0	1.70	1.70	-0.19	-0.19	-19.71
GEW-086	12/3/2020 10:46:02 AM	13.3	31.0	5.5	50.2	110.7	110.0	1.93	4.59	-0.01	-0.01	-19.71
GEW-086	12/16/2020 11:55:42 AM	14.0	47.8	0.0	38.2	133.5	133.0	2.62	4.29	0.16	0.16	-19.77
GEW-086	12/16/2020 12:02:56 PM	28.5	48.2	0.0	23.3	173.9	174.2	3.31	3.35	-0.03	-0.02	-19.95
GEW-087	12/4/2020 10:42:21 AM	9.5	63.0	0.2	27.3	195.0	195.5	39.17	39.14	-10.15	-10.15	-19.76
GEW-087	12/4/2020 10:44:45 AM	9.4	64.2	0.1	26.3	195.1	195.6	37.33	37.06	-9.47	-9.47	-19.42
GEW-087	12/18/2020 9:15:31 AM	4.9	68.8	0.0	26.3	201.6	201.6	59.42	59.84	3.54	3.53	-19.37
GEW-087	12/18/2020 9:22:36 AM	4.3	71.6	0.0	24.1	200.8	200.8	66.08	67.47	-1.05	-1.06	-20.30
GEW-088	12/4/2020 9:27:54 AM	1.9	53.4	0.2	44.5	157.5	157.8	10.85	10.70	-0.53	-0.52	-19.92
GEW-088	12/4/2020 9:30:37 AM	1.8	53.6	0.1	44.5	157.7	155.2	14.79	14.42	-0.25	-0.25	-19.80
GEW-088	12/17/2020 9:57:32 AM	2.2	47.0	0.5	50.3	152.8	153.2	1.03	1.03	-0.87	-0.87	-19.87
GEW-088	12/17/2020 9:59:57 AM	2.1	48.9	0.4	48.6	146.6	145.0	1.80	1.80	-0.37	-0.37	-19.83
GEW-090	12/3/2020 2:00:00 PM	24.2	39.3	0.0	36.5	157.3	157.3	6.25	4.13	-10.19	-10.19	-19.71
GEW-090	12/3/2020 2:02:16 PM	23.7	41.5	0.0	34.8	156.0	156.0	5.60	4.50	-9.13	-9.13	-19.71
GEW-090	12/17/2020 10:11:52 AM	24.9	46.3	0.0	28.8	156.9	155.6	4.24	4.13	-9.46	-9.46	-19.79
GEW-090	12/17/2020 10:14:06 AM	25.0	44.0	0.0	31.0	153.3	153.3	4.15	5.14	-8.19	-8.19	-19.96
GEW-091	12/2/2020 11:16:36 AM	2.2	54.5	0.3	43.0	192.4	192.9	26.26	29.19	-4.44	-4.44	-18.91
GEW-091	12/2/2020 11:18:25 AM	2.0	57.2	0.3	40.5	192.9	193.6	24.68	23.78	-4.86	-4.88	-18.87
GEW-091	12/9/2020 2:21:39 PM	2.3	56.6	0.3	40.8	197.9	197.9	37.23	38.32	-1.26	-1.28	-19.66
GEW-091	12/9/2020 2:28:04 PM	2.4	56.1	0.2	41.3	198.0	198.6	36.74	36.71	-0.77	-0.77	-19.20
GEW-091	12/14/2020 11:25:58 AM	6.1	31.9	9.9	52.1	72.7	72.5	5.78	6.52	-17.22	-17.22	-18.48
GEW-091	12/14/2020 3:08:09 PM	2.9	47.3	1.8	48.0	171.2	171.6	22.77	22.75	-7.89	-7.89	-18.60
GEW-091	12/14/2020 3:09:51 PM	2.5	50.4	1.8	45.3	172.1	171.6	26.09	24.01	-7.09	-7.09	-18.60
GEW-091	12/21/2020 10:01:02 AM	2.5	56.1	0.9	40.5	193.5	195.0	30.52	30.18	-3.62	-3.62	-19.62
GEW-091	12/21/2020 10:02:36 AM	2.3	57.9	0.8	39.0	195.0	193.6	30.61	28.86	-3.45	-3.44	-19.28
GEW-091	12/23/2020 9:16:58 AM	2.3	59.5	0.0	38.2	192.6	191.6	33.04	32.83	-1.96	-1.98	-19.96
GEW-091	12/23/2020 9:26:04 AM	2.3	58.9	0.0	38.8	195.7	195.7	32.98	33.71	-1.38	-1.37	-20.04

December 2020 Wellfield Monitoring Data - Bridgeton Landfill

Well Name	Date Sampled	Methane	CO ₂	O ₂	Balance Gas	Init Temp	Adj Temp	Init Flow	Adj Flow	Init Static Press	Adj Static Press	System Pressure
		(% vol)				°F		scfm		H ₂ O		
GEW-091	12/30/2020 10:09:24 AM	3.0	58.4	0.0	38.6	194.9	194.3	31.74	31.62	-0.63	-0.63	-19.41
GEW-091	12/30/2020 10:11:01 AM	2.2	61.4	0.0	36.4	195.0	195.0	31.37	32.30	-0.68	-0.67	-19.75
GEW-100	12/10/2020 11:20:49 AM	18.3	64.1	0.3	17.3	159.8	159.4	13.31	12.84	-14.52	-14.52	-19.24
GEW-100	12/10/2020 11:23:40 AM	17.6	66.0	0.3	16.1	158.5	157.7	12.19	12.05	-14.86	-14.86	-19.37
GEW-100	12/21/2020 1:52:15 PM	14.8	59.6	0.5	25.1	70.7	70.7	20.84	22.08	-15.91	-15.91	-19.07
GEW-101	12/10/2020 2:22:58 PM	36.6	60.6	0.0	2.8	86.6	86.8	6.31	7.01	-0.42	-0.42	-18.31
GEW-101	12/28/2020 2:05:22 PM	36.0	61.8	0.0	2.2	52.1	52.1	9.56	10.41	1.63	1.61	-18.97
GEW-101	12/28/2020 2:07:39 PM	35.4	63.9	0.0	0.7	56.8	56.8	6.84	8.24	-0.27	-0.28	-18.91
GEW-102	12/14/2020 2:23:02 PM	23.9	33.6	6.4	36.1	47.3	47.3	0.93	0.47	-18.91	-18.91	-18.94
GEW-102	12/14/2020 2:24:52 PM	24.3	34.8	6.1	34.8	47.3	47.3	1.04	1.09	-19.25	-19.25	-18.99
GEW-102	12/22/2020 2:23:10 PM	40.9	34.2	4.9	20.0	64.4	64.4	1.37	1.37	-18.30	-18.30	-19.22
GEW-104	12/11/2020 9:37:37 AM	6.7	57.9	0.0	35.4	183.3	182.7	9.31	7.81	-1.90	-1.89	-17.93
GEW-104	12/11/2020 9:40:16 AM	6.1	60.5	0.0	33.4	173.6	171.0	5.44	4.57	-0.65	-0.64	-18.94
GEW-104	12/21/2020 2:18:52 PM	9.0	55.2	0.1	35.7	113.7	114.0	6.28	6.19	-1.93	-1.93	-19.28
GEW-105	12/11/2020 10:48:42 AM	44.6	46.6	0.0	8.8	83.0	83.0	3.46	4.76	-2.27	-2.26	-18.99
GEW-105	12/28/2020 10:16:44 AM	46.1	42.8	0.1	11.0	47.4	47.5	5.68	5.68	-4.11	-4.11	-19.16
GEW-106	12/8/2020 2:53:26 PM	16.4	41.0	4.7	37.9	101.3	101.1	3.90	3.56	-1.40	-1.41	-19.46
GEW-106	12/8/2020 2:55:12 PM	15.9	42.1	4.6	37.4	101.3	100.8	2.06	2.92	-1.36	-1.36	-19.34
GEW-106	12/28/2020 10:02:12 AM	18.6	37.8	6.5	37.1	132.2	132.6	2.36	2.06	-2.87	-2.88	-19.58
GEW-106	12/28/2020 10:04:05 AM	17.9	39.2	6.4	36.5	132.9	132.9	1.54	1.54	-2.74	-2.74	-19.16
GEW-107	12/8/2020 2:43:53 PM	47.3	46.5	0.0	6.2	114.8	115.0	5.83	5.83	-2.53	-2.53	-19.28
GEW-107	12/23/2020 2:03:37 PM	45.2	47.4	0.0	7.4	108.5	109.0	11.48	9.86	-2.70	-2.70	-20.01
GEW-108	12/2/2020 10:59:38 AM	43.2	44.5	0.0	12.3	121.0	121.0	7.21	9.23	-1.36	-1.35	-19.00
GEW-108	12/9/2020 11:01:30 AM	41.9	46.5	0.0	11.6	133.5	133.5	8.67	8.67	-1.44	-1.44	-18.14
GEW-108	12/9/2020 11:07:18 AM	42.2	45.6	0.0	12.2	133.8	133.8	11.79	12.11	-1.39	-1.38	-18.48
GEW-108	12/14/2020 11:05:02 AM	43.2	45.1	0.0	11.7	112.2	112.6	3.80	7.83	-1.73	-1.73	-18.56
GEW-108	12/21/2020 9:40:26 AM	42.9	45.2	0.0	11.9	120.8	121.0	11.94	10.75	-1.82	-1.83	-19.49
GEW-108	12/22/2020 2:37:25 PM	43.1	45.6	0.0	11.3	110.3	110.5	6.43	6.23	-1.43	-1.42	-19.07
GEW-108	12/22/2020 2:43:43 PM	43.1	45.6	0.0	11.3	110.9	110.2	17.01	17.03	-1.53	-1.53	-19.07
GEW-108	12/30/2020 9:48:33 AM	43.6	44.9	0.0	11.5	86.5	86.4	10.21	6.99	-1.94	-1.93	-18.94
GEW-109	12/2/2020 10:56:05 AM	35.3	33.4	4.9	26.4	62.7	63.0	2.09	2.09	-1.76	-1.75	-18.87
GEW-109	12/3/2020 8:57:08 AM	35.5	31.0	5.4	28.1	49.4	49.4	2.15	1.75	-1.76	-1.76	-20.35
GEW-109	12/3/2020 8:59:20 AM	31.6	28.7	7.2	32.5	48.4	48.5	3.52	2.78	-0.93	-0.93	-20.56
GEW-109	12/4/2020 11:22:09 AM	48.2	48.2	0.8	2.8	52.1	52.1	2.14	1.75	-0.79	-0.79	-19.63
GEW-109	12/9/2020 10:50:55 AM	47.5	42.0	0.8	9.7	70.7	70.7	1.68	2.37	-0.86	-0.86	-18.52
GEW-109	12/9/2020 10:56:35 AM	47.3	41.8	0.7	10.2	70.2	70.2	3.36	3.36	-0.92	-0.92	-18.44
GEW-109	12/14/2020 11:02:00 AM	47.0	41.5	1.0	10.5	49.6	50.2	1.23	1.74	-0.87	-0.87	-18.48
GEW-109	12/21/2020 9:37:09 AM	47.0	40.2	1.1	11.7	59.0	59.0	3.21	3.21	-1.09	-1.09	-19.11
GEW-109	12/22/2020 2:26:41 PM	50.1	42.1	0.5	7.3	58.6	58.5	2.97	3.21	-0.59	-0.60	-18.86
GEW-109	12/22/2020 2:32:32 PM	49.9	41.6	0.7	7.8	58.7	58.7	1.72	2.97	-0.63	-0.63	-19.15

December 2020 Wellfield Monitoring Data - Bridgeton Landfill

Well Name	Date Sampled	Methane	CO ₂	O ₂	Balance Gas	Init Temp	Adj Temp	Init Flow	Adj Flow	Init Static Press	Adj Static Press	System Pressure
		(% vol)				°F		scfm		H ₂ O		
GEW-109	12/30/2020 9:44:43 AM	50.0	43.0	0.0	7.0	43.8	43.7	3.95	3.95	-1.29	-1.28	-18.94
GEW-110	12/2/2020 10:39:33 AM	47.8	44.0	0.0	8.2	92.7	92.7	3.23	4.28	-1.50	-1.50	-19.59
GEW-110	12/9/2020 10:03:25 AM	49.5	45.9	0.0	4.6	104.3	104.5	4.16	5.78	-1.88	-1.86	-19.37
GEW-110	12/9/2020 10:08:58 AM	50.0	44.9	0.0	5.1	106.2	106.2	5.08	2.93	-1.91	-1.90	-19.20
GEW-110	12/14/2020 10:49:28 AM	49.3	45.7	0.0	5.0	72.3	72.6	4.71	4.40	-2.32	-2.32	-18.90
GEW-110	12/21/2020 9:23:36 AM	49.7	46.5	0.0	3.8	102.1	102.1	2.50	5.47	-1.84	-1.84	-19.87
GEW-110	12/22/2020 1:58:43 PM	50.0	45.1	0.0	4.9	108.0	108.0	5.19	3.50	-1.40	-1.39	-19.53
GEW-110	12/22/2020 2:06:51 PM	49.7	44.7	0.0	5.6	111.5	112.2	6.41	3.80	-1.32	-1.31	-19.28
GEW-110	12/30/2020 9:26:48 AM	48.0	45.8	0.0	6.2	95.3	95.6	4.79	5.98	-2.02	-2.03	-19.11
GEW-113	12/4/2020 10:33:11 AM	13.8	68.3	0.0	17.9	176.4	175.8	9.77	10.83	-1.80	-1.79	-20.13
GEW-113	12/4/2020 10:34:45 AM	14.0	68.2	0.0	17.8	175.8	176.1	10.22	10.96	-1.81	-1.81	-20.22
GEW-113	12/17/2020 2:26:44 PM	14.5	63.3	0.0	22.2	175.8	175.3	10.31	10.60	-1.77	-1.78	-20.85
GEW-113	12/17/2020 2:28:21 PM	14.5	64.4	0.0	21.1	175.5	175.3	10.69	9.58	-1.74	-1.75	-20.42
GEW-116	12/7/2020 2:34:24 PM	33.3	60.1	0.0	6.6	127.5	127.2	10.72	10.59	-0.24	-0.24	-20.32
GEW-116	12/28/2020 11:00:38 AM	36.9	62.5	0.1	0.5	109.2	109.2	9.53	9.07	-0.15	-0.15	-19.58
GEW-117	12/3/2020 10:47:10 AM	34.6	52.4	0.0	13.0	125.6	125.8	5.25	8.00	-11.84	-11.84	-19.63
GEW-117	12/28/2020 11:21:34 AM	31.0	60.9	0.0	8.1	102.1	104.5	6.34	6.41	-12.49	-12.49	-19.58
GEW-118	12/7/2020 9:30:58 AM	2.7	63.1	0.0	34.2	200.1	200.8	23.20	20.31	-2.14	-2.17	-21.82
GEW-118	12/7/2020 9:33:47 AM	2.4	64.7	0.0	32.9	200.8	200.9	18.40	18.27	-1.61	-1.61	-21.44
GEW-118	12/18/2020 10:15:09 AM	1.8	65.9	0.0	32.3	201.6	201.6	19.20	19.67	-0.56	-0.57	-20.55
GEW-118	12/18/2020 10:16:54 AM	1.6	68.2	0.0	30.2	201.6	201.6	19.60	19.79	-0.52	-0.51	-21.14
GEW-120	12/3/2020 10:55:35 AM	36.0	43.9	0.7	19.4	111.9	112.5	17.16	17.01	-6.77	-6.77	-20.30
GEW-120	12/28/2020 11:25:22 AM	34.0	46.5	0.9	18.6	101.8	102.1	13.94	13.93	-6.16	-6.16	-20.30
GEW-121	12/7/2020 9:48:37 AM	34.9	51.8	0.0	13.3	99.9	100.4	5.26	5.61	-3.56	-3.56	-19.59
GEW-121	12/28/2020 1:55:10 PM	36.6	51.3	0.0	12.1	106.8	107.0	5.30	1.56	-2.99	-2.99	-18.22
GEW-122	12/7/2020 11:32:56 AM	40.2	39.8	0.1	19.9	55.4	55.5	25.43	25.05	-6.68	-6.68	-20.26
GEW-122	12/28/2020 3:05:03 PM	44.3	39.2	0.5	16.0	54.9	54.7	7.65	8.02	-4.98	-4.98	-18.82
GEW-123	12/7/2020 10:02:31 AM	33.6	55.8	0.9	9.7	45.8	45.9	3.53	3.74	-2.18	-2.18	-20.26
GEW-123	12/28/2020 2:12:39 PM	33.0	54.5	0.3	12.2	52.1	52.1	10.33	5.62	-1.87	-1.87	-18.69
GEW-124	12/7/2020 10:09:38 AM	52.7	43.2	0.8	3.3	44.7	44.6	0.70	0.58	-15.60	-15.60	-15.29
GEW-124	12/28/2020 2:20:55 PM	47.8	39.7	2.6	9.9	43.5	43.4	0.73	0.51	-14.61	-14.86	-14.88
GEW-125	12/7/2020 10:31:29 AM	51.1	45.5	0.4	3.0	44.3	44.3	3.29	2.49	-4.00	-4.00	-20.26
GEW-125	12/28/2020 2:54:02 PM	50.2	45.6	0.6	3.6	44.6	44.6	3.04	3.51	-2.59	-2.60	-18.82
GEW-126	12/7/2020 10:50:16 AM	19.8	65.9	1.0	13.3	44.7	44.7	5.61	7.10	-0.45	-0.45	-19.92
GEW-126	12/29/2020 2:09:02 PM	21.1	67.5	0.4	11.0	36.0	36.0	4.04	4.43	-0.37	-0.38	-19.89
GEW-127	12/7/2020 11:13:48 AM	23.7	49.3	2.8	24.2	51.1	51.2	57.98	57.72	-1.56	-1.58	-20.13
GEW-127	12/30/2020 2:01:54 PM	22.5	41.4	3.1	33.0	44.3	44.3	87.61	87.14	-5.70	-5.70	-19.24
GEW-129	12/7/2020 2:45:38 PM	40.9	53.6	0.0	5.5	96.2	96.2	23.37	22.02	-2.98	-2.99	-19.92
GEW-129	12/28/2020 2:53:13 PM	40.3	50.2	0.0	9.5	99.1	99.1	21.54	21.78	-2.89	-2.90	-17.93
GEW-130	12/7/2020 11:27:10 AM	27.8	46.2	0.0	26.0	136.5	137.1	4.83	6.34	-12.94	-12.94	-20.51

December 2020 Wellfield Monitoring Data - Bridgeton Landfill

Well Name	Date Sampled	Methane	CO ₂	O ₂	Balance Gas	Init Temp	Adj Temp	Init Flow	Adj Flow	Init Static Press	Adj Static Press	System Pressure
		(% vol)				°F		scfm		H ₂ O		
GEW-130	12/7/2020 11:28:27 AM	27.5	47.3	0.0	25.2	136.5	136.8	2.52	3.41	-12.94	-12.94	-20.77
GEW-130	12/18/2020 10:54:10 AM	26.2	46.6	0.0	27.2	137.1	137.4	5.88	5.88	-12.41	-12.41	-19.96
GEW-130	12/18/2020 10:55:27 AM	26.0	47.5	0.0	26.5	137.1	137.4	4.34	6.63	-12.49	-12.49	-19.96
GEW-131	12/7/2020 11:41:09 AM	45.2	50.7	0.0	4.1	98.2	98.4	6.58	8.83	-8.08	-8.08	-19.97
GEW-131	12/30/2020 2:15:23 PM	45.4	43.9	0.0	10.7	87.5	91.5	8.08	7.86	-7.01	-7.34	-19.66
GEW-132	12/7/2020 9:17:30 AM	13.0	35.6	0.2	51.2	118.6	118.6	4.08	5.77	-2.12	-2.12	-20.60
GEW-132	12/7/2020 9:19:56 AM	13.1	35.0	0.1	51.8	106.2	105.0	2.73	1.94	-1.52	-1.52	-20.47
GEW-132	12/28/2020 1:48:13 PM	21.9	36.4	0.3	41.4	90.2	90.3	2.80	2.80	-0.97	-0.97	-18.48
GEW-133	12/3/2020 10:27:39 AM	14.0	43.9	0.3	41.8	89.4	91.9	7.18	9.84	-1.55	-1.55	-19.04
GEW-133	12/3/2020 10:30:17 AM	14.5	43.7	0.3	41.5	90.3	88.9	3.98	4.46	-1.02	-1.04	-19.42
GEW-133	12/28/2020 11:04:06 AM	11.9	50.2	0.5	37.4	44.5	44.6	8.07	8.63	-1.47	-1.47	-18.31
GEW-134	12/4/2020 2:26:32 PM	9.5	34.7	0.4	55.4	74.8	74.9	1.18	1.67	-0.30	-0.30	-19.21
GEW-134	12/4/2020 2:28:18 PM	9.1	37.3	0.3	53.3	72.7	72.7	2.38	3.57	-0.15	-0.15	-19.17
GEW-134	12/28/2020 10:35:34 AM	12.5	36.7	0.4	50.4	39.9	39.9	1.26	1.26	-0.13	-0.13	-19.58
GEW-135	12/4/2020 1:55:29 PM	3.8	47.5	0.3	48.4	106.7	107.0	1.94	1.58	-0.41	-0.41	-16.76
GEW-135	12/4/2020 1:57:33 PM	3.6	49.9	0.2	46.3	100.1	99.9	1.96	2.26	-0.25	-0.23	-16.68
GEW-135	12/28/2020 10:21:48 AM	6.5	51.8	0.7	41.0	47.5	47.6	1.76	2.48	-0.31	-0.31	-17.08
GEW-137	12/7/2020 1:49:24 PM	44.9	40.2	0.0	14.9	48.2	48.2	7.35	4.12	-1.52	-1.52	-19.97
GEW-137	12/30/2020 2:27:07 PM	41.9	48.7	0.0	9.4	42.4	42.5	1.25	3.06	-1.72	-1.72	-19.62
GEW-139	12/10/2020 10:01:57 AM	20.6	48.2	1.8	29.4	130.3	130.8	2.37	2.12	-2.42	-2.43	-19.92
GEW-139	12/10/2020 10:04:04 AM	20.0	49.5	1.9	28.6	126.9	126.9	3.21	2.39	-1.72	-1.72	-18.27
GEW-139	12/30/2020 2:18:47 PM	12.7	53.7	0.0	33.6	53.7	53.7	1.23	2.12	-0.79	-0.79	-19.58
GEW-140	12/10/2020 10:15:20 AM	25.7	53.0	0.0	21.3	72.3	72.4	5.67	5.67	-0.80	-0.80	-16.24
GEW-140	12/28/2020 3:11:45 PM	31.1	46.4	0.0	22.5	45.2	45.2	5.16	4.69	-1.46	-1.44	-17.14
GEW-144	12/10/2020 2:36:33 PM	43.0	36.6	3.9	16.5	81.4	81.7	2.23	1.93	-16.55	-16.55	-18.94
GEW-144	12/28/2020 3:22:02 PM	42.5	35.3	4.3	17.9	47.4	47.3	0.40	0.40	-18.22	-18.22	-18.73
GEW-145	12/3/2020 2:24:45 PM	24.8	44.2	0.4	30.6	53.0	52.9	3.19	3.19	-14.85	-14.85	-15.61
GEW-145	12/28/2020 1:30:46 PM	27.4	38.7	3.5	30.4	44.6	44.6	6.79	6.79	-18.52	-18.52	-19.16
GEW-145	12/28/2020 1:34:15 PM	31.6	43.0	1.1	24.3	43.9	43.8	4.83	6.16	-16.87	-16.87	-19.09
GEW-147	12/4/2020 10:15:49 AM	19.8	51.7	0.2	28.3	151.8	151.0	45.52	45.46	-8.50	-8.50	-20.56
GEW-147	12/4/2020 10:17:56 AM	19.4	53.2	0.2	27.2	150.3	150.3	45.35	45.48	-7.78	-7.78	-20.09
GEW-147	12/17/2020 2:38:01 PM	19.1	53.3	0.0	27.6	152.5	152.5	45.50	45.50	-7.30	-7.30	-19.96
GEW-147	12/17/2020 2:40:34 PM	19.4	51.3	0.1	29.2	149.9	149.7	23.19	23.20	-6.29	-6.29	-20.17
GEW-148	12/4/2020 10:08:37 AM	26.9	58.3	0.0	14.8	122.3	122.1	12.15	10.98	-10.15	-10.15	-20.01
GEW-148	12/29/2020 1:53:17 PM	27.0	57.9	0.0	15.1	125.0	125.0	7.10	6.69	-10.16	-10.16	-19.83
GEW-149	12/3/2020 2:25:48 PM	6.5	21.5	2.0	70.0	52.8	52.6	4.46	3.91	-0.08	-0.08	-19.50
GEW-149	12/28/2020 9:42:28 AM	2.7	22.7	4.6	70.0	37.2	37.2	5.23	5.07	-0.11	-0.10	-19.28
GEW-150	12/11/2020 10:04:15 AM	30.4	49.7	0.3	19.6	148.4	148.1	26.69	26.16	-1.25	-1.26	-19.96
GEW-150	12/11/2020 10:05:44 AM	30.1	51.3	0.3	18.3	148.9	149.2	5.66	5.56	-0.94	-0.94	-18.99
GEW-150	12/21/2020 2:55:42 PM	28.2	46.1	1.9	23.8	131.2	131.4	5.63	6.01	-1.27	-1.27	-19.62

December 2020 Wellfield Monitoring Data - Bridgeton Landfill

Well Name	Date Sampled	Methane	CO ₂	O ₂	Balance Gas	Init Temp	Adj Temp	Init Flow	Adj Flow	Init Static Press	Adj Static Press	System Pressure
		(% vol)				°F		scfm		H ₂ O		
GEW-150	12/22/2020 2:26:40 PM	32.3	49.3	0.0	18.4	138.0	138.0	18.33	18.20	-1.36	-1.36	-19.22
GEW-150	12/22/2020 2:28:18 PM	32.0	50.7	0.0	17.3	137.7	137.7	18.06	18.64	-1.38	-1.38	-19.34
GEW-151	12/4/2020 9:23:12 AM	2.4	27.1	8.9	61.6	61.0	61.1	1.22	2.11	-0.14	-0.14	-20.05
GEW-151	12/4/2020 9:24:32 AM	2.4	25.0	9.0	63.6	61.8	62.0	2.10	2.97	-0.12	-0.12	-19.92
GEW-151	12/16/2020 12:36:30 PM	2.2	20.0	9.7	68.1	57.5	57.7	3.00	2.45	-0.36	-0.37	-19.58
GEW-151	12/16/2020 12:38:14 PM	2.0	21.0	9.8	67.2	53.1	53.0	3.03	3.03	-0.20	-0.20	-19.58
GEW-152	12/8/2020 2:46:56 PM	30.2	39.4	3.3	27.1	91.0	91.0	24.07	24.74	-3.08	-3.07	-19.09
GEW-152	12/8/2020 2:48:19 PM	30.1	39.6	3.4	26.9	87.7	87.5	24.72	24.65	-2.82	-2.81	-19.40
GEW-152	12/23/2020 2:06:05 PM	31.0	41.1	2.4	25.5	74.5	74.5	30.75	30.73	-2.20	-2.21	-19.77
GEW-152	12/23/2020 2:07:42 PM	31.1	42.0	2.1	24.8	72.3	72.2	30.44	30.52	-2.02	-2.02	-19.95
GEW-153	12/8/2020 2:40:59 PM	32.2	36.3	0.0	31.5	93.4	93.4	3.60	3.95	-2.96	-2.96	-19.34
GEW-153	12/23/2020 1:53:53 PM	33.6	36.6	0.0	29.8	91.0	91.0	4.99	4.29	-2.45	-2.43	-20.01
GEW-153	12/23/2020 1:55:16 PM	33.9	35.2	0.0	30.9	90.3	90.3	3.80	3.63	-2.33	-2.33	-19.83
GEW-156	12/10/2020 2:07:53 PM	32.3	47.1	0.0	20.6	113.3	113.4	2.90	2.19	-3.79	-3.79	-20.50
GEW-156	12/23/2020 1:45:59 PM	30.1	47.9	0.0	22.0	111.0	110.7	3.47	2.91	-4.79	-4.79	-19.95
GEW-156	12/23/2020 1:47:47 PM	30.2	48.0	0.0	21.8	106.2	106.2	2.48	1.92	-4.41	-4.42	-20.07
GEW-157	12/11/2020 9:33:19 AM	35.9	45.9	0.6	17.6	61.6	61.6	2.39	2.39	-4.19	-4.19	-15.22
GEW-157	12/29/2020 1:31:59 PM	36.8	43.7	0.3	19.2	38.2	38.2	2.82	2.19	-3.59	-3.58	-19.89
GEW-158	12/8/2020 2:57:16 PM	32.8	47.3	0.0	19.9	90.1	90.2	3.64	3.64	-1.03	-1.03	-19.16
GEW-158	12/28/2020 10:06:50 AM	36.3	48.3	0.0	15.4	66.5	66.5	4.66	4.50	-1.32	-1.32	-19.46
GEW-160	12/2/2020 11:13:45 AM	28.2	36.4	0.8	34.6	53.1	52.9	1.73	1.73	-5.07	-5.07	-19.17
GEW-160	12/9/2020 2:11:55 PM	29.0	36.4	0.8	33.8	76.8	77.1	1.64	1.16	-5.07	-5.07	-19.45
GEW-160	12/9/2020 2:17:41 PM	30.6	36.9	0.3	32.2	78.4	78.3	3.47	3.06	-5.07	-5.07	-19.75
GEW-160	12/14/2020 11:19:14 AM	29.7	36.5	1.6	32.2	44.8	44.9	1.74	1.74	-5.11	-5.11	-18.56
GEW-160	12/21/2020 9:57:16 AM	30.8	41.0	0.3	27.9	43.8	46.3	1.75	2.46	-5.49	-5.49	-19.41
GEW-160	12/23/2020 8:40:31 AM	28.2	34.1	2.4	35.3	48.5	51.3	3.00	2.73	-4.90	-4.89	-20.21
GEW-160	12/23/2020 8:47:10 AM	31.4	38.8	0.3	29.5	55.2	55.3	3.82	2.09	-4.94	-4.94	-20.34
GEW-160	12/30/2020 10:05:21 AM	29.7	36.7	1.9	31.7	42.8	42.8	1.24	1.24	-5.87	-5.87	-19.37
GEW-161	12/2/2020 11:10:47 AM	12.2	52.5	0.5	34.8	73.2	73.2	5.14	6.35	-3.23	-3.24	-19.21
GEW-161	12/9/2020 2:00:42 PM	12.0	55.0	0.0	33.0	98.5	98.4	2.51	2.51	-3.06	-3.06	-19.32
GEW-161	12/9/2020 2:06:21 PM	12.2	54.8	0.0	33.0	95.8	95.8	2.25	1.59	-3.02	-3.02	-18.27
GEW-161	12/14/2020 11:14:58 AM	15.9	51.6	1.3	31.2	57.8	58.0	1.71	1.70	-4.04	-4.06	-18.60
GEW-161	12/21/2020 9:53:59 AM	13.2	55.9	0.4	30.5	70.0	70.4	3.33	2.63	-4.05	-4.06	-19.28
GEW-161	12/22/2020 3:12:59 PM	13.8	55.7	0.2	30.3	70.5	70.5	2.89	3.12	-2.91	-2.92	-19.28
GEW-161	12/22/2020 3:25:42 PM	14.3	55.4	0.0	30.3	70.9	70.9	2.04	2.64	-2.91	-2.91	-19.28
GEW-161	12/30/2020 10:00:27 AM	12.7	52.1	1.7	33.5	52.6	52.6	3.65	5.84	-4.17	-4.16	-19.37
GEW-162	12/2/2020 11:07:39 AM	15.6	62.0	0.0	22.4	54.4	54.6	4.59	3.68	-1.46	-1.46	-19.21
GEW-162	12/9/2020 1:50:39 PM	18.2	63.7	0.1	18.0	81.8	81.8	4.34	4.02	-1.61	-1.61	-18.77
GEW-162	12/9/2020 1:56:38 PM	18.2	62.8	0.3	18.7	81.9	81.9	2.59	2.01	-1.59	-1.59	-19.62
GEW-162	12/14/2020 11:11:49 AM	20.0	64.5	0.0	15.5	46.8	47.0	1.24	1.75	-1.75	-1.75	-18.60

December 2020 Wellfield Monitoring Data - Bridgeton Landfill

Well Name	Date Sampled	Methane	CO ₂	O ₂	Balance Gas	Init Temp	Adj Temp	Init Flow	Adj Flow	Init Static Press	Adj Static Press	System Pressure
		(% vol)				°F		scfm		H ₂ O		
GEW-162	12/21/2020 9:50:21 AM	21.4	64.4	0.0	14.2	61.5	61.2	4.66	3.81	-1.97	-1.97	-19.62
GEW-162	12/22/2020 3:01:57 PM	20.5	64.2	0.0	15.3	59.9	53.0	3.82	3.88	-1.32	-1.32	-19.28
GEW-162	12/22/2020 3:08:35 PM	19.8	65.7	0.1	14.4	59.7	58.7	3.82	3.83	-1.33	-1.33	-19.28
GEW-162	12/30/2020 9:56:23 AM	22.7	62.3	0.0	15.0	42.5	42.5	2.16	3.30	-1.98	-1.97	-19.32
GEW-163	12/7/2020 9:55:11 AM	18.4	38.1	3.8	39.7	79.6	79.4	19.12	19.13	-4.40	-4.40	-20.18
GEW-163	12/7/2020 9:58:52 AM	17.0	35.3	4.1	43.6	77.4	77.7	11.46	13.33	-3.02	-3.02	-20.30
GEW-163	12/28/2020 2:09:13 PM	25.6	40.0	2.7	31.7	79.4	79.8	34.65	29.79	-3.00	-2.99	-18.65
GEW-164	12/7/2020 10:06:01 AM	36.4	53.4	0.0	10.2	127.2	127.2	20.95	19.66	-0.66	-0.67	-19.97
GEW-164	12/28/2020 2:16:12 PM	36.9	52.3	0.0	10.8	124.2	124.1	18.28	25.48	-0.55	-0.56	-17.46
GEW-165	12/7/2020 10:17:54 AM	28.4	57.5	0.9	13.2	121.0	121.8	7.77	8.58	-0.03	-0.03	-20.60
GEW-165	12/28/2020 2:36:09 PM	22.6	57.7	2.7	17.0	114.5	114.9	5.21	5.21	-0.06	-0.06	-18.90
GEW-166	12/7/2020 10:22:18 AM	5.6	62.7	0.0	31.7	159.0	158.1	4.90	5.01	-1.33	-1.33	-20.13
GEW-166	12/7/2020 10:24:00 AM	5.1	66.6	0.0	28.3	155.2	154.8	2.72	1.78	-0.60	-0.60	-20.39
GEW-166	12/18/2020 10:32:05 AM	3.0	66.6	0.0	30.4	148.0	148.1	2.74	2.54	-0.68	-0.68	-19.62
GEW-166	12/18/2020 10:35:46 AM	2.9	67.3	0.0	29.8	143.9	140.2	2.95	2.78	-0.35	-0.35	-19.96
GEW-167	12/7/2020 11:36:06 AM	21.1	44.1	0.0	34.8	131.4	131.4	4.34	3.64	-7.53	-7.53	-20.35
GEW-167	12/7/2020 11:38:04 AM	20.6	48.0	0.0	31.4	118.6	118.5	3.41	3.41	-6.51	-6.51	-20.18
GEW-167	12/28/2020 3:01:49 PM	13.1	52.2	0.0	34.7	97.0	96.7	2.25	4.35	-3.38	-3.37	-18.90
GEW-168	12/7/2020 10:35:07 AM	48.2	47.6	0.3	3.9	60.7	60.9	7.64	6.45	-0.44	-0.44	-20.05
GEW-168	12/30/2020 2:08:53 PM	46.0	53.1	0.4	0.5	58.8	58.9	6.45	7.63	-0.48	-0.48	-19.62
GEW-169	12/7/2020 11:10:45 AM	29.2	52.8	0.6	17.4	77.1	77.3	2.80	5.60	-0.06	-0.05	-20.56
GEW-169	12/30/2020 2:05:15 PM	34.2	54.7	0.0	11.1	54.0	54.0	10.90	10.09	-0.06	-0.06	-19.62
GEW-170	12/7/2020 11:20:08 AM	13.1	36.2	6.4	44.3	73.3	73.4	37.33	37.43	-0.11	-0.11	-20.18
GEW-170	12/7/2020 11:23:45 AM	12.6	37.1	6.5	43.8	73.6	74.5	14.10	13.80	-0.10	-0.10	-20.18
GEW-170	12/21/2020 10:46:04 AM	11.1	33.6	6.5	48.8	86.9	87.7	3.80	3.80	-0.12	-0.12	-20.01
GEW-170	12/21/2020 11:15:43 AM	11.2	33.3	6.8	48.7	88.1	88.2	4.84	2.61	-0.09	-0.09	-20.01
GEW-171	12/10/2020 11:16:42 AM	22.7	59.7	1.9	15.7	67.7	67.8	2.65	2.06	-2.85	-2.86	-18.01
GEW-171	12/30/2020 11:09:53 AM	23.0	55.3	3.3	18.4	42.1	42.1	3.31	2.50	-1.88	-1.87	-17.25
GEW-172	12/10/2020 10:39:44 AM	13.7	53.3	2.8	30.2	127.8	127.8	4.39	4.39	-1.86	-1.86	-19.45
GEW-172	12/30/2020 2:39:57 PM	15.3	50.5	3.4	30.8	85.5	85.4	4.73	4.73	-1.98	-1.98	-19.41
GEW-174	12/10/2020 9:45:32 AM	20.6	42.4	0.0	37.0	76.8	76.8	8.81	8.81	-0.70	-0.70	-18.94
GEW-174	12/10/2020 9:49:30 AM	20.6	43.6	0.0	35.8	70.0	70.0	9.36	7.98	-0.59	-0.59	-18.22
GEW-174	12/28/2020 3:05:18 PM	30.9	37.1	1.9	30.1	49.7	49.9	5.91	6.60	-0.65	-0.66	-18.73
GEW-175	12/11/2020 10:39:51 AM	24.0	33.8	4.6	37.6	120.2	119.9	30.21	29.55	-0.06	-0.07	-19.41
GEW-175	12/28/2020 1:47:19 PM	12.3	21.7	10.3	55.7	103.3	104.0	29.19	29.19	-0.12	-0.10	-18.97
GEW-175	12/28/2020 1:48:54 PM	12.4	21.3	10.3	56.0	102.8	103.8	31.68	31.94	-0.11	-0.11	-18.79
GEW-177	12/7/2020 2:40:38 PM	16.5	45.6	1.7	36.2	157.3	157.7	17.26	13.48	-15.01	-15.01	-19.67
GEW-177	12/7/2020 2:42:15 PM	16.6	47.5	1.8	34.1	157.7	159.0	5.25	5.24	-15.10	-15.10	-19.63
GEW-177	12/18/2020 10:45:23 AM	15.6	55.1	1.8	27.5	155.2	155.2	11.48	12.84	-15.20	-15.20	-19.58
GEW-177	12/18/2020 10:46:47 AM	15.9	51.3	1.5	31.3	155.2	154.5	16.57	18.48	-15.20	-15.20	-19.75

December 2020 Wellfield Monitoring Data - Bridgeton Landfill

Well Name	Date Sampled	Methane	CO ₂	O ₂	Balance Gas	Init Temp	Adj Temp	Init Flow	Adj Flow	Init Static Press	Adj Static Press	System Pressure
		(% vol)				°F		scfm		H ₂ O		
GEW-178	12/7/2020 3:04:50 PM	10.8	13.9	11.9	63.4	44.9	44.9	5.02	3.77	-0.03	-0.03	-15.04
GEW-178	12/7/2020 3:06:47 PM	11.1	12.7	12.1	64.1	44.9	44.9	6.15	3.97	-0.04	-0.05	-14.87
GEW-178	12/21/2020 3:09:05 PM	27.6	25.8	7.6	39.0	65.9	65.9	3.19	3.19	-0.02	-0.02	-19.40
GEW-178	12/21/2020 3:23:54 PM	26.0	24.7	8.3	41.0	65.1	65.1	4.84	3.20	-0.03	-0.03	-19.46
GEW-179	12/11/2020 8:57:10 AM	46.4	44.8	0.1	8.7	75.5	75.3	5.38	7.52	-1.43	-1.44	-19.79
GEW-179	12/28/2020 2:02:29 PM	45.1	41.0	0.1	13.8	72.7	73.3	7.31	5.93	-1.84	-1.83	-18.73
GEW-180	12/10/2020 2:28:05 PM	39.3	58.1	0.0	2.6	79.2	79.6	4.48	4.48	-17.22	-17.22	-18.56
GEW-180	12/23/2020 10:41:13 AM	38.5	58.9	0.6	2.0	72.2	72.2	4.96	5.08	-19.11	-19.11	-20.13
GEW-181	12/10/2020 2:12:32 PM	30.8	62.4	0.0	6.8	76.4	76.6	13.55	17.31	-17.56	-17.56	-19.58
GEW-181	12/28/2020 2:20:52 PM	31.7	65.6	0.0	2.7	56.7	56.8	17.51	21.83	-14.17	-14.17	-18.85
GEW-185	12/3/2020 11:02:17 AM	43.7	51.9	0.0	4.4	68.4	68.3	4.80	3.17	-0.27	-0.26	-19.76
GEW-185	12/3/2020 11:04:04 AM	42.5	53.2	0.0	4.3	73.4	73.4	4.28	4.11	-0.80	-0.79	-19.59
GEW-185	12/28/2020 1:58:36 PM	35.0	49.8	0.0	15.2	79.4	79.5	2.34	4.04	-0.60	-0.60	-18.35
GEW-186	12/7/2020 11:17:25 AM	31.6	44.5	2.7	21.2	56.2	56.2	3.68	2.13	-0.08	-0.09	-20.22
GEW-186	12/30/2020 1:56:22 PM	32.1	37.5	3.3	27.1	53.8	53.7	2.13	2.13	-0.13	-0.13	-19.58
GEW-187	12/2/2020 11:03:34 AM	47.1	49.1	0.0	3.8	92.5	92.4	9.13	7.83	-2.09	-2.10	-18.96
GEW-187	12/9/2020 11:11:41 AM	46.0	52.7	0.0	1.3	97.6	98.0	8.93	9.00	-2.10	-2.10	-18.14
GEW-187	12/9/2020 11:17:38 AM	46.1	52.5	0.0	1.4	98.2	98.1	5.15	4.05	-2.10	-2.11	-18.10
GEW-187	12/14/2020 11:07:58 AM	46.9	52.3	0.0	0.8	83.5	83.6	12.05	11.37	-2.16	-2.15	-18.44
GEW-187	12/21/2020 9:43:54 AM	46.9	51.0	0.0	2.1	88.9	88.6	7.49	7.23	-2.22	-2.22	-19.07
GEW-187	12/21/2020 9:46:20 AM	46.7	52.0	0.0	1.3	92.7	92.2	10.31	12.51	-3.15	-3.16	-18.82
GEW-187	12/22/2020 2:48:38 PM	47.0	51.8	0.0	1.2	92.9	92.2	6.70	12.10	-2.96	-2.95	-18.77
GEW-187	12/22/2020 2:55:30 PM	47.0	50.6	0.0	2.4	84.2	84.7	14.55	11.55	-2.98	-2.99	-18.60
GEW-187	12/30/2020 9:52:16 AM	47.0	51.5	0.0	1.5	87.0	87.0	11.72	6.05	-3.16	-3.16	-18.99
GEW-217	12/14/2020 2:14:06 PM	38.0	41.0	1.3	19.7	48.3	48.3	15.47	12.72	-17.90	-17.90	-18.69
GEW-217	12/28/2020 1:42:05 PM	42.7	39.5	3.7	14.1	45.3	45.2	2.07	4.64	-19.23	-19.23	-19.09
GEW-217	12/28/2020 1:43:52 PM	43.5	36.4	3.4	16.7	44.6	44.6	3.80	6.13	-17.88	-17.88	-18.85
GEW-218	12/11/2020 9:12:48 AM	25.0	48.8	0.0	26.2	88.8	88.7	8.82	8.52	-0.36	-0.36	-16.15
GEW-218	12/28/2020 1:37:07 PM	9.2	37.1	1.7	52.0	73.2	73.2	11.52	10.89	-0.72	-0.72	-19.09
GEW-218	12/28/2020 1:38:35 PM	9.0	37.9	1.7	51.4	71.8	71.8	8.68	9.08	-0.61	-0.62	-19.03
GEW-220	12/3/2020 2:12:43 PM	52.5	43.8	0.0	3.7	51.3	51.3	6.48	5.85	0.56	0.56	-19.71
GEW-220	12/3/2020 2:15:05 PM	51.3	45.3	0.0	3.4	52.6	52.7	4.48	2.52	-1.14	-1.14	-19.52
GEW-220	12/28/2020 1:27:30 PM	20.8	57.6	0.0	21.6	48.8	48.8	5.44	4.14	-0.25	-0.24	-19.09
GEW-221	12/10/2020 2:39:42 PM	28.8	53.9	0.1	17.2	89.8	89.9	2.79	2.79	-2.33	-2.33	-19.70
GEW-221	12/28/2020 2:10:26 PM	28.3	52.4	0.0	19.3	60.7	60.9	2.96	1.71	-3.48	-3.48	-18.79
GEW-221	12/28/2020 2:11:50 PM	28.5	53.6	0.0	17.9	56.2	56.0	3.68	3.88	-1.14	-1.12	-18.73
GEW-222	12/10/2020 2:05:39 PM	52.2	44.3	0.0	3.5	78.2	78.4	2.28	3.95	-10.81	-10.81	-19.37
GEW-222	12/28/2020 2:58:01 PM	53.4	44.4	0.1	2.1	66.3	66.3	2.52	3.73	-12.82	-12.82	-18.36
GEW-223	12/10/2020 10:59:59 AM	33.1	66.9	0.0	0.0	126.7	126.4	7.69	8.86	-3.40	-3.40	-17.51
GEW-223	12/10/2020 11:02:00 AM	32.9	67.1	0.0	0.0	129.7	130.3	6.08	5.98	-4.34	-4.36	-21.56

December 2020 Wellfield Monitoring Data - Bridgeton Landfill

Well Name	Date Sampled	Methane	CO ₂	O ₂	Balance Gas	Init Temp	Adj Temp	Init Flow	Adj Flow	Init Static Press	Adj Static Press	System Pressure
		(% vol)				°F		scfm		H ₂ O		
GEW-223	12/28/2020 2:35:18 PM	34.5	63.8	0.0	1.7	110.7	110.7	5.39	4.54	-4.16	-4.19	-18.60
GEW-224	12/10/2020 10:49:37 AM	37.5	61.1	0.0	1.4	148.4	148.0	10.07	11.21	-13.51	-13.51	-18.27
GEW-224	12/10/2020 10:51:05 AM	37.6	61.1	0.0	1.3	148.8	148.8	12.13	11.01	-13.89	-13.89	-20.04
GEW-224	12/18/2020 11:04:52 AM	37.9	58.3	0.0	3.8	130.2	130.3	12.85	12.77	-16.25	-16.25	-19.49
GEW-225	12/10/2020 10:43:39 AM	25.2	56.8	0.1	17.9	153.3	153.6	9.30	9.99	-5.40	-5.40	-19.66
GEW-225	12/10/2020 10:45:21 AM	25.6	56.7	0.0	17.7	153.5	153.4	9.79	9.47	-5.07	-5.07	-18.31
GEW-225	12/18/2020 11:07:53 AM	36.0	50.0	0.3	13.7	100.5	100.6	10.92	10.91	-10.13	-10.13	-19.83
GEW-226	12/10/2020 10:08:31 AM	37.6	49.5	0.0	12.9	171.6	171.0	18.29	18.11	-1.62	-1.63	-17.25
GEW-226	12/10/2020 10:10:12 AM	38.0	48.3	0.0	13.7	171.9	171.0	18.65	18.63	-1.63	-1.64	-17.59
GEW-226	12/18/2020 11:12:25 AM	38.8	46.2	0.0	15.0	162.4	162.9	36.01	35.85	-1.81	-1.81	-19.24
GEW-226	12/18/2020 11:13:56 AM	39.1	45.9	0.0	15.0	163.8	163.3	37.50	37.52	-1.82	-1.82	-18.94
GEW-227	12/4/2020 2:00:58 PM	6.9	44.6	2.0	46.5	179.2	178.6	4.86	4.55	-0.26	-0.26	-19.17
GEW-227	12/4/2020 2:03:29 PM	6.9	43.6	2.1	47.4	175.3	173.1	5.46	3.88	-0.13	-0.14	-19.29
GEW-227	12/18/2020 9:59:11 AM	6.0	34.4	4.5	55.1	153.3	153.3	4.11	5.03	-0.32	-0.33	-19.53
GEW-227	12/18/2020 10:01:14 AM	5.5	35.7	4.5	54.3	141.9	141.8	5.83	5.44	-0.15	-0.15	-19.58
GEW-228	12/7/2020 2:00:14 PM	3.3	20.5	9.8	66.4	170.6	170.5	5.03	5.41	-0.01	-0.01	-19.92
GEW-228	12/7/2020 2:01:44 PM	3.3	20.1	9.8	66.8	170.5	170.5	5.32	4.92	-0.01	-0.01	-19.97
GEW-228	12/21/2020 1:49:08 PM	3.2	23.5	7.0	66.3	167.6	168.1	3.46	3.46	0.03	0.03	-19.40
GEW-228	12/21/2020 2:01:53 PM	3.3	24.5	6.8	65.4	169.5	171.6	1.63	3.30	-0.05	-0.04	-19.46
GEW-229	12/10/2020 9:39:35 AM	2.3	14.6	8.1	75.0	98.9	98.8	9.84	9.24	-0.02	-0.03	-18.94
GEW-229	12/10/2020 9:40:59 AM	2.0	13.7	8.2	76.1	98.5	98.7	7.14	9.03	-0.04	-0.04	-18.65
GEW-229	12/22/2020 2:46:51 PM	3.9	18.3	6.4	71.4	103.5	103.5	10.45	8.12	-0.09	-0.09	-19.28
GEW-229	12/22/2020 3:04:02 PM	3.9	17.1	6.3	72.7	102.1	102.3	11.06	7.66	-0.13	-0.11	-19.28
GEW-230	12/4/2020 9:47:28 AM	1.6	18.4	10.8	69.2	141.6	142.2	7.22	8.22	0.02	0.02	-19.88
GEW-230	12/4/2020 9:49:53 AM	1.8	15.9	10.9	71.4	148.0	148.4	11.89	13.26	-0.01	-0.03	-20.30
GEW-230	12/16/2020 12:27:41 PM	2.3	18.4	12.5	66.8	148.8	148.4	8.36	8.16	-0.01	-0.01	-19.65
GEW-230	12/16/2020 12:30:11 PM	2.4	16.8	12.5	68.3	120.5	119.5	3.79	2.68	0.12	0.13	-19.89
GEW-232	12/4/2020 10:52:32 AM	29.5	62.8	0.0	7.7	109.2	109.7	1.93	1.93	-0.34	-0.34	-19.80
GEW-232	12/29/2020 1:59:55 PM	25.9	61.3	0.0	12.8	81.4	81.2	5.86	5.86	-0.15	-0.15	-19.83
GEW-233	12/4/2020 2:09:08 PM	3.3	31.2	6.7	58.8	68.6	68.6	8.96	8.96	-0.52	-0.51	-18.91
GEW-233	12/4/2020 2:12:30 PM	3.2	29.9	6.8	60.1	65.7	65.6	7.23	6.49	-0.20	-0.21	-19.12
GEW-233	12/18/2020 10:29:09 AM	1.6	25.0	9.5	63.9	42.7	42.5	3.34	4.89	-0.15	-0.15	-19.95
GEW-233	12/18/2020 11:16:51 AM	2.4	29.0	7.8	60.8	45.8	45.8	2.81	3.07	-0.10	-0.10	-19.71
GEW-233	12/21/2020 10:16:59 AM	1.5	26.7	7.0	64.8	66.3	66.3	1.75	3.39	-0.28	-0.28	-19.89
GEW-233	12/21/2020 10:24:53 AM	1.6	26.1	6.9	65.4	65.1	65.4	2.94	3.17	-0.17	-0.18	-19.71
GEW-234	12/7/2020 9:23:47 AM	13.4	41.2	0.0	45.4	194.8	194.3	19.04	20.04	-1.04	-1.04	-18.91
GEW-234	12/7/2020 9:26:28 AM	13.0	40.3	0.0	46.7	178.6	180.9	5.24	4.63	-0.65	-0.65	-18.91
GEW-234	12/18/2020 10:20:55 AM	0.8	67.7	0.0	31.5	200.1	200.1	6.82	7.88	0.03	0.02	-21.31
GEW-234	12/18/2020 10:23:37 AM	0.8	68.3	0.0	30.9	202.3	202.3	10.12	11.54	-0.11	-0.11	-20.63
GEW-235	12/7/2020 9:51:49 AM	30.3	50.8	0.0	18.9	107.0	107.0	4.56	5.85	-4.20	-4.20	-20.64

December 2020 Wellfield Monitoring Data - Bridgeton Landfill

Well Name	Date Sampled	Methane	CO ₂	O ₂	Balance Gas	Init Temp	Adj Temp	Init Flow	Adj Flow	Init Static Press	Adj Static Press	System Pressure
		(% vol)				°F		scfm		H ₂ O		
GEW-235	12/28/2020 1:51:58 PM	28.9	51.0	0.0	20.1	104.5	105.0	3.50	2.47	-3.66	-3.66	-18.77
GEW-236	12/7/2020 2:06:05 PM	2.3	39.3	4.6	53.8	201.6	201.6	7.84	5.24	-0.30	-0.30	-19.04
GEW-236	12/7/2020 2:09:33 PM	2.1	38.9	4.5	54.5	201.6	201.6	4.06	4.59	-0.20	-0.20	-19.12
GEW-236	12/18/2020 9:31:35 AM	2.0	46.8	4.1	47.1	179.2	179.2	8.07	7.18	-0.21	-0.22	-18.31
GEW-236	12/18/2020 9:36:38 AM	1.9	44.2	4.2	49.7	179.7	179.7	9.40	8.07	-0.20	-0.17	-18.94
GEW-236	12/21/2020 8:20:35 AM	1.1	54.9	0.0	44.0	195.7	195.7	3.33	4.81	0.04	0.04	-19.15
GEW-236	12/21/2020 8:24:02 AM	1.2	56.2	0.0	42.6	195.7	195.7	3.85	7.45	-0.07	-0.07	-19.24
GEW-237	12/11/2020 10:25:57 AM	42.8	44.0	1.2	12.0	129.0	129.1	8.36	9.87	-0.10	-0.09	-20.25
GEW-237	12/28/2020 10:22:31 AM	38.2	41.9	3.1	16.8	118.9	118.1	4.91	5.48	0.03	0.03	-19.16
GEW-237	12/28/2020 10:24:00 AM	39.3	39.7	3.0	18.0	122.1	122.3	1.54	3.93	-0.04	-0.04	-19.28
GEW-238	12/4/2020 10:27:49 AM	13.2	68.0	0.0	18.8	190.2	190.2	40.25	39.89	-1.75	-1.76	-19.21
GEW-238	12/4/2020 10:29:27 AM	13.1	67.8	0.0	19.1	190.2	190.2	41.13	40.25	-1.74	-1.74	-19.21
GEW-238	12/17/2020 2:21:44 PM	14.1	60.6	0.0	25.3	189.6	189.6	39.84	40.16	-1.64	-1.65	-17.51
GEW-238	12/17/2020 2:23:27 PM	13.1	63.8	0.0	23.1	189.6	189.6	40.67	40.45	-1.65	-1.66	-18.10
GEW-239	12/3/2020 2:06:25 PM	1.6	56.2	0.0	42.2	199.3	198.6	10.18	7.88	0.20	0.20	-19.46
GEW-239	12/3/2020 2:09:53 PM	1.3	57.3	0.0	41.4	197.2	197.9	12.68	14.41	-0.18	-0.18	-19.29
GEW-239	12/17/2020 10:41:16 AM	0.9	40.0	6.2	52.9	197.5	196.4	14.01	12.39	-0.71	-0.71	-19.62
GEW-239	12/17/2020 10:44:16 AM	0.9	40.4	6.1	52.6	197.2	197.2	7.91	8.52	-0.40	-0.40	-19.58
GEW-240	12/10/2020 9:54:16 AM	12.4	37.0	0.0	50.6	188.3	188.3	11.26	10.61	-0.09	-0.09	-19.58
GEW-240	12/10/2020 9:56:23 AM	12.3	36.5	0.0	51.2	188.6	188.3	10.29	11.91	-0.11	-0.11	-19.53
GEW-240	12/21/2020 11:17:11 AM	16.4	34.5	0.0	49.1	186.4	186.4	9.15	12.26	-0.12	-0.13	-19.62
GEW-240	12/21/2020 11:18:45 AM	16.2	34.8	0.0	49.0	186.4	186.4	13.34	13.34	-0.09	-0.09	-19.28
GEW-241	12/11/2020 11:24:23 AM	47.5	47.1	0.0	5.4	106.5	106.6	10.38	10.90	-0.07	-0.06	-19.20
GEW-241	12/11/2020 11:27:19 AM	47.5	47.8	0.0	4.7	113.3	113.5	19.17	19.16	-0.22	-0.22	-20.42
GEW-241	12/28/2020 10:34:22 AM	31.6	34.3	2.1	32.0	116.0	115.8	13.26	13.26	-0.27	-0.27	-19.95
GEW-241	12/28/2020 10:36:10 AM	31.0	35.4	1.8	31.8	115.5	115.3	17.16	15.72	-0.17	-0.17	-20.20
GEW-242	12/3/2020 2:19:13 PM	11.5	64.4	0.0	24.1	192.9	193.0	5.71	7.26	-3.94	-3.94	-15.91
GEW-242	12/3/2020 2:20:40 PM	11.4	64.2	0.0	24.4	193.6	192.9	1.31	1.31	-3.99	-3.99	-15.79
GEW-242	12/17/2020 2:12:02 PM	27.4	48.0	0.0	24.6	70.5	70.5	12.13	8.50	-18.02	-18.02	-19.24
GEW-243	12/7/2020 2:26:42 PM	31.0	65.9	0.0	3.1	67.6	67.8	3.61	3.78	-0.37	-0.37	-19.71
GEW-243	12/29/2020 2:06:25 PM	34.0	63.7	0.0	2.3	48.2	48.3	2.50	2.16	-0.15	-0.14	-19.77
GEW-244	12/7/2020 10:27:49 AM	24.3	67.1	0.0	8.6	98.4	99.4	7.46	5.94	-3.62	-3.64	-20.18
GEW-244	12/28/2020 2:58:39 PM	28.1	63.0	0.0	8.9	81.7	81.9	3.45	2.82	-4.67	-4.67	-18.90
GEW-245	12/7/2020 10:13:33 AM	33.8	51.5	0.0	14.7	45.8	45.8	3.52	3.52	-3.20	-3.20	-16.60
GEW-245	12/28/2020 2:24:30 PM	16.7	67.1	0.0	16.2	41.8	41.8	4.01	2.84	3.86	3.85	-15.52
GEW-245	12/28/2020 2:31:51 PM	14.3	70.6	0.0	15.1	44.6	44.4	4.32	4.32	-0.45	-0.43	-14.88
GEW-246	12/4/2020 10:55:45 AM	16.8	65.2	0.0	18.0	200.8	200.1	8.42	7.44	-0.06	-0.06	-19.92
GEW-246	12/4/2020 10:58:34 AM	16.1	67.4	0.0	16.5	200.2	200.5	6.99	6.85	-0.05	-0.05	-19.97
GEW-246	12/18/2020 9:08:48 AM	27.3	60.2	0.0	12.5	196.4	195.7	10.06	9.84	-0.59	-0.60	-19.53
GEW-246	12/18/2020 9:10:52 AM	27.2	59.9	0.0	12.9	196.5	196.4	6.92	5.51	-0.61	-0.62	-19.58

December 2020 Wellfield Monitoring Data - Bridgeton Landfill

Well Name	Date Sampled	Methane	CO ₂	O ₂	Balance Gas	Init Temp	Adj Temp	Init Flow	Adj Flow	Init Static Press	Adj Static Press	System Pressure
		(% vol)				°F		scfm		H ₂ O		
GEW-247	12/10/2020 2:11:04 PM	8.4	55.1	0.0	36.5	148.0	148.6	1.47	1.47	-0.93	-0.93	-18.85
GEW-247	12/10/2020 2:11:54 PM	8.1	58.5	0.0	33.4	148.4	148.8	2.08	3.45	-0.95	-0.94	-20.75
GEW-247	12/21/2020 2:36:46 PM	13.7	51.2	1.0	34.1	90.6	86.7	3.42	1.99	-1.98	-1.98	-19.53
GEW-248	12/10/2020 2:16:30 PM	2.7	41.7	2.5	53.1	196.3	195.7	5.75	5.57	0.02	0.02	-20.38
GEW-248	12/10/2020 2:18:21 PM	2.7	40.0	2.5	54.8	196.2	196.4	4.54	6.04	-0.02	-0.01	-21.11
GEW-248	12/21/2020 2:40:33 PM	5.8	32.9	6.8	54.5	184.5	184.5	6.56	6.78	-0.09	-0.09	-19.62
GEW-248	12/21/2020 2:42:21 PM	5.8	31.7	6.8	55.7	184.5	184.5	6.78	8.18	-0.09	-0.09	-19.75
GEW-249	12/11/2020 10:09:51 AM	39.9	58.4	0.0	1.7	100.7	99.9	2.52	4.91	0.04	0.03	-18.27
GEW-249	12/11/2020 10:12:18 AM	39.9	58.8	0.0	1.3	121.3	122.7	6.23	5.19	-0.23	-0.23	-18.86
GEW-249	12/28/2020 10:19:39 AM	39.4	51.2	0.9	8.5	90.6	90.8	2.82	2.82	-0.04	-0.04	-19.16
GEW-250	12/4/2020 2:38:05 PM	0.3	26.7	9.2	63.8	167.1	167.1	1.43	2.86	-0.04	-0.04	-17.31
GEW-250	12/4/2020 2:39:46 PM	0.3	24.8	9.3	65.6	166.8	167.1	7.43	4.74	-0.05	-0.05	-18.28
GEW-250	12/18/2020 11:33:37 AM	0.6	26.8	9.1	63.5	168.1	167.6	3.91	3.50	-0.01	-0.01	-19.58
GEW-250	12/18/2020 11:49:40 AM	0.6	27.2	8.8	63.4	167.1	167.1	3.57	3.45	-0.02	-0.02	-17.56
GEW-251	12/10/2020 2:59:19 PM	7.8	48.7	1.2	42.3	198.0	198.1	17.71	17.88	-0.38	-0.38	-21.48
GEW-251	12/10/2020 3:01:13 PM	7.2	51.9	1.1	39.8	198.2	198.5	14.95	15.95	-0.38	-0.39	-20.25
GEW-251	12/23/2020 9:59:30 AM	6.7	44.5	2.9	45.9	196.5	196.6	16.05	15.76	-0.20	-0.19	-21.30
GEW-251	12/23/2020 10:00:50 AM	6.4	44.8	2.7	46.1	196.6	196.4	14.04	14.69	-0.19	-0.19	-21.42
GEW-252	12/11/2020 9:18:57 AM	31.0	53.1	0.0	15.9	179.8	178.0	6.36	7.03	-1.51	-1.52	-21.35
GEW-252	12/11/2020 9:20:54 AM	30.9	54.3	0.0	14.8	182.4	181.5	5.08	7.71	-1.62	-1.63	-21.31
GEW-252	12/21/2020 2:26:44 PM	40.8	48.7	0.7	9.8	104.8	105.5	6.22	6.02	-6.12	-6.12	-19.03
GEW-253	12/7/2020 2:13:22 PM	3.5	22.0	10.6	63.9	184.5	185.1	7.80	8.28	-0.10	-0.10	-20.13
GEW-253	12/7/2020 2:15:00 PM	3.7	20.1	10.8	65.4	185.1	185.1	5.20	4.17	-0.11	-0.11	-20.01
GEW-253	12/21/2020 2:31:33 PM	2.3	23.0	7.5	67.2	187.0	187.0	14.78	15.03	-0.07	-0.06	-19.46
GEW-253	12/21/2020 2:40:06 PM	2.4	22.6	7.4	67.6	187.0	187.0	6.14	6.35	-0.04	-0.03	-19.52
GEW-25	12/2/2020 11:07:03 AM	51.3	36.1	0.0	12.6	67.3	67.3	11.39	10.46	-1.26	-1.27	-13.65
GEW-25	12/2/2020 11:09:09 AM	51.6	35.4	0.0	13.0	66.8	66.9	3.80	3.80	-0.89	-0.89	-13.77
GEW-25	12/8/2020 9:14:18 AM	48.5	36.9	0.0	14.6	58.8	58.5	6.74	6.64	-1.52	-1.51	-13.95
GEW-25	12/8/2020 9:20:18 AM	49.4	36.5	0.0	14.1	58.0	58.0	5.97	5.29	-1.30	-1.30	-13.95
GEW-25	12/17/2020 9:11:09 AM	56.2	37.7	0.0	6.1	55.0	54.9	6.96	7.78	-0.95	-0.94	-13.89
GEW-25	12/22/2020 9:55:45 AM	56.3	38.0	0.0	5.7	64.7	64.7	6.83	7.92	-0.84	-0.83	-14.32
GEW-25	12/29/2020 10:32:35 AM	55.4	37.5	0.0	7.1	50.2	50.3	7.35	7.66	-0.75	-0.74	-14.26
GIW-01	12/2/2020 9:55:32 AM	34.3	52.5	0.0	13.2	121.3	121.3	7.69	8.28	-1.20	-1.21	-19.04
GIW-01	12/8/2020 2:10:10 PM	34.6	57.4	0.0	8.0	121.0	121.9	4.05	5.82	-0.84	-0.83	-18.27
GIW-01	12/8/2020 2:16:06 PM	34.5	56.5	0.0	9.0	122.3	122.9	2.86	4.32	-0.85	-0.85	-17.93
GIW-01	12/14/2020 10:02:18 AM	34.5	54.3	0.3	10.9	104.3	105.2	3.52	3.85	-1.17	-1.18	-18.82
GIW-01	12/21/2020 8:39:54 AM	32.5	59.2	0.0	8.3	110.2	110.0	12.18	10.17	-1.13	-1.13	-19.58
GIW-01	12/29/2020 1:37:42 PM	35.8	53.6	0.1	10.5	80.0	80.8	11.71	11.69	-0.93	-0.93	-19.58
GIW-02	12/2/2020 9:58:16 AM	13.1	52.6	0.6	33.7	64.0	64.2	3.20	3.20	-0.32	-0.32	-19.88
GIW-02	12/8/2020 2:22:16 PM	11.8	63.3	0.5	24.4	67.2	67.5	1.69	1.20	-0.17	-0.17	-18.94

December 2020 Wellfield Monitoring Data - Bridgeton Landfill

Well Name	Date Sampled	Methane	CO ₂	O ₂	Balance Gas	Init Temp	Adj Temp	Init Flow	Adj Flow	Init Static Press	Adj Static Press	System Pressure
		(% vol)				°F		scfm		H ₂ O		
GIW-02	12/8/2020 2:27:54 PM	11.9	61.4	0.5	26.2	67.6	67.5	1.69	1.69	-0.16	-0.15	-19.28
GIW-02	12/14/2020 10:05:15 AM	14.2	51.7	1.0	33.1	46.6	46.7	1.76	2.78	-0.27	-0.28	-19.58
GIW-02	12/21/2020 8:42:43 AM	13.1	56.4	1.4	29.1	55.5	55.5	3.67	3.67	-0.32	-0.31	-19.96
GIW-02	12/29/2020 1:41:00 PM	12.9	63.9	0.0	23.2	30.0	31.2	5.46	4.97	-0.17	-0.16	-19.92
GIW-03	12/2/2020 10:02:09 AM	23.3	48.7	0.0	28.0	52.1	52.3	2.43	3.21	-7.44	-7.44	-19.84
GIW-03	12/8/2020 2:32:49 PM	24.3	52.1	0.0	23.6	57.2	57.0	1.70	2.08	-6.75	-6.75	-18.99
GIW-03	12/8/2020 2:38:53 PM	24.8	47.6	0.0	27.6	54.8	54.7	2.69	1.70	-6.75	-6.75	-19.07
GIW-03	12/14/2020 10:08:46 AM	23.1	50.8	0.2	25.9	41.5	41.6	1.24	1.75	-7.22	-7.22	-19.32
GIW-03	12/21/2020 8:46:56 AM	23.7	51.7	0.0	24.6	52.3	52.4	2.70	2.42	-7.34	-7.34	-19.96
GIW-03	12/29/2020 1:45:13 PM	24.0	52.7	0.0	23.3	33.5	35.1	1.78	1.26	-6.75	-6.75	-19.53
GIW-04	12/2/2020 10:06:50 AM	25.0	42.6	1.6	30.8	59.5	59.7	3.20	2.70	-3.75	-3.75	-19.55
GIW-04	12/8/2020 2:42:55 PM	24.4	44.5	1.7	29.4	60.7	60.7	2.40	2.08	-3.35	-3.35	-18.94
GIW-04	12/8/2020 2:50:16 PM	27.3	50.7	0.0	22.0	60.9	63.0	1.70	1.69	-3.33	-3.33	-18.94
GIW-04	12/14/2020 10:13:33 AM	23.9	43.7	2.5	29.9	45.9	46.1	2.76	2.76	-3.57	-3.57	-19.07
GIW-04	12/21/2020 8:51:48 AM	24.3	44.5	1.8	29.4	55.9	55.8	1.71	1.71	-3.83	-3.83	-19.96
GIW-04	12/29/2020 1:52:11 PM	26.7	48.3	0.4	24.6	33.8	33.8	1.80	1.80	-2.22	-2.23	-19.70
GIW-05	12/2/2020 10:10:55 AM	31.7	36.0	1.3	31.0	47.6	47.6	5.78	6.28	-5.50	-5.50	-19.50
GIW-05	12/9/2020 8:27:22 AM	31.6	34.0	2.1	32.3	49.9	50.1	4.05	3.86	-5.36	-5.36	-19.87
GIW-05	12/9/2020 8:34:41 AM	35.7	40.6	0.0	23.7	51.3	51.3	2.11	2.72	-5.70	-5.70	-19.96
GIW-05	12/14/2020 10:18:20 AM	34.2	40.1	0.5	25.2	38.0	38.0	1.77	2.79	-5.74	-5.74	-19.28
GIW-05	12/21/2020 8:56:26 AM	32.5	37.7	1.4	28.4	52.1	52.3	1.21	1.72	-5.78	-5.78	-19.96
GIW-05	12/23/2020 8:52:10 AM	32.2	37.4	1.7	28.7	52.1	52.1	5.16	3.65	-4.94	-4.94	-20.34
GIW-05	12/23/2020 8:58:59 AM	35.3	39.7	0.2	24.8	52.1	52.1	3.85	3.85	-4.94	-4.94	-20.34
GIW-05	12/29/2020 1:56:37 PM	33.6	36.9	1.4	28.1	34.4	34.4	3.57	2.52	-4.42	-4.41	-19.58
GIW-06	12/2/2020 10:14:06 AM	38.8	37.4	0.0	23.8	56.2	56.5	3.12	3.12	-15.56	-15.56	-19.76
GIW-06	12/9/2020 8:39:55 AM	37.4	38.6	0.0	24.0	51.3	51.6	2.66	2.06	-14.86	-14.86	-20.30
GIW-06	12/9/2020 8:45:51 AM	38.5	39.0	0.0	22.5	52.3	52.3	3.56	3.75	-14.82	-14.82	-19.41
GIW-06	12/14/2020 10:21:21 AM	39.7	40.4	0.0	19.9	44.6	44.7	1.21	1.71	-13.17	-13.17	-19.07
GIW-06	12/21/2020 8:59:23 AM	37.6	38.6	0.0	23.8	50.7	51.0	2.05	3.55	-16.88	-16.88	-19.53
GIW-06	12/23/2020 9:03:33 AM	36.2	40.1	0.0	23.7	58.2	58.2	2.32	1.16	-18.45	-18.45	-20.34
GIW-06	12/23/2020 9:09:17 AM	36.8	38.8	0.0	24.4	54.4	53.7	3.31	1.66	-18.11	-18.11	-20.30
GIW-06	12/29/2020 1:59:41 PM	36.2	39.2	0.0	24.6	33.4	33.4	2.77	2.48	-12.83	-12.83	-19.62
GIW-07	12/2/2020 10:17:39 AM	50.0	41.9	0.0	8.1	56.7	56.7	4.73	4.73	-1.73	-1.73	-19.55
GIW-07	12/9/2020 8:49:21 AM	50.6	43.9	0.4	5.1	49.1	49.6	3.90	2.76	-1.71	-1.70	-19.83
GIW-07	12/9/2020 8:54:41 AM	52.9	44.8	0.0	2.3	51.5	51.3	3.01	3.01	-1.83	-1.83	-19.45
GIW-07	12/14/2020 10:24:12 AM	50.5	44.3	0.4	4.8	47.9	48.0	3.27	3.50	-1.80	-1.80	-18.99
GIW-07	12/21/2020 9:02:03 AM	49.2	44.1	0.8	5.9	54.7	54.9	3.45	2.73	-1.81	-1.80	-19.49
GIW-07	12/23/2020 10:57:06 AM	51.6	47.8	0.0	0.6	65.7	65.6	7.07	4.47	-1.56	-1.55	-19.79
GIW-07	12/23/2020 11:02:59 AM	51.3	45.8	0.0	2.9	63.3	63.3	6.00	5.23	-1.52	-1.51	-19.75
GIW-07	12/29/2020 2:02:39 PM	51.6	45.8	0.0	2.6	35.0	35.0	4.75	3.11	-1.39	-1.39	-19.62

December 2020 Wellfield Monitoring Data - Bridgeton Landfill

Well Name	Date Sampled	Methane	CO ₂	O ₂	Balance Gas	Init Temp	Adj Temp	Init Flow	Adj Flow	Init Static Press	Adj Static Press	System Pressure
		(% vol)				°F		scfm		H ₂ O		
GIW-08	12/2/2020 10:21:05 AM	50.3	41.0	0.0	8.7	54.7	54.7	3.00	3.46	-2.75	-2.75	-19.50
GIW-08	12/9/2020 8:58:26 AM	51.0	43.8	0.0	5.2	55.7	53.9	2.72	3.66	-2.74	-2.73	-19.62
GIW-08	12/9/2020 9:04:47 AM	51.5	41.9	0.0	6.6	57.0	57.2	2.97	2.97	-2.76	-2.76	-19.28
GIW-08	12/14/2020 10:27:03 AM	51.0	44.1	0.0	4.9	45.1	45.2	1.24	1.24	-2.81	-2.81	-18.99
GIW-08	12/21/2020 9:04:50 AM	51.4	43.4	0.0	5.2	54.7	54.7	1.22	1.72	-2.78	-2.77	-19.70
GIW-08	12/23/2020 11:07:10 AM	50.2	44.9	0.0	4.9	62.8	62.8	3.17	1.70	-2.59	-2.59	-19.92
GIW-08	12/23/2020 11:13:00 AM	50.3	44.1	0.0	5.6	62.3	62.3	4.49	5.23	-2.60	-2.59	-19.75
GIW-08	12/29/2020 2:05:22 PM	49.8	44.1	0.0	6.1	35.3	35.4	5.06	3.35	-2.53	-2.53	-19.45
GIW-09	12/2/2020 10:23:41 AM	36.5	36.9	0.0	26.6	52.6	52.8	3.70	3.02	-0.79	-0.79	-19.59
GIW-09	12/9/2020 9:10:40 AM	37.6	40.8	0.0	21.6	54.2	55.2	1.22	1.22	-0.77	-0.76	-19.75
GIW-09	12/9/2020 9:16:49 AM	37.4	41.2	0.0	21.4	58.3	58.4	2.10	1.72	-0.78	-0.78	-19.49
GIW-09	12/14/2020 10:29:50 AM	34.4	37.9	0.0	27.7	43.1	43.1	1.77	1.77	-0.81	-0.80	-18.94
GIW-09	12/21/2020 9:07:34 AM	35.3	39.3	0.0	25.4	54.7	54.9	2.73	2.12	-0.92	-0.92	-19.96
GIW-09	12/23/2020 11:16:34 AM	38.1	42.5	0.0	19.4	62.1	62.1	6.15	4.83	-0.54	-0.54	-19.79
GIW-09	12/23/2020 11:22:19 AM	38.2	42.1	0.0	19.7	61.8	61.8	3.41	2.70	-0.51	-0.52	-19.96
GIW-09	12/29/2020 2:07:57 PM	41.2	40.7	0.0	18.1	34.9	34.9	3.12	1.80	-0.19	-0.19	-19.92
GIW-10	12/2/2020 10:27:16 AM	29.5	35.3	0.0	35.2	54.9	54.9	1.73	2.11	-3.39	-3.40	-19.21
GIW-10	12/9/2020 9:20:53 AM	30.3	36.6	0.0	33.1	58.2	58.0	2.09	2.95	-3.47	-3.47	-19.58
GIW-10	12/9/2020 9:26:57 AM	30.7	34.3	0.0	35.0	57.3	57.3	1.71	2.70	-3.39	-3.39	-19.37
GIW-10	12/14/2020 10:32:48 AM	30.4	36.9	0.0	32.7	47.6	47.9	2.75	3.26	-3.45	-3.45	-19.20
GIW-10	12/21/2020 9:10:12 AM	30.7	36.2	0.0	33.1	55.1	55.2	1.72	2.71	-3.68	-3.68	-19.96
GIW-10	12/23/2020 11:26:38 AM	31.2	37.3	0.0	31.5	61.7	61.6	2.94	2.40	-3.07	-3.08	-19.66
GIW-10	12/23/2020 11:32:35 AM	31.1	35.0	0.0	33.9	62.6	62.6	2.40	2.68	-3.12	-3.12	-19.83
GIW-10	12/29/2020 2:10:50 PM	32.5	37.0	0.0	30.5	35.6	35.6	5.06	4.38	-2.52	-2.52	-19.87
GIW-11	12/2/2020 10:30:39 AM	27.2	33.0	0.1	39.7	56.2	56.2	1.73	3.23	-2.27	-2.27	-17.10
GIW-11	12/9/2020 9:34:30 AM	29.5	33.5	0.5	36.5	53.0	51.1	5.47	2.74	-2.36	-2.36	-17.00
GIW-11	12/9/2020 9:40:33 AM	29.7	32.3	0.6	37.4	59.0	58.7	7.64	5.40	-2.44	-2.42	-15.60
GIW-11	12/14/2020 10:36:16 AM	27.7	33.7	0.6	38.0	47.1	47.4	5.53	4.79	-2.34	-2.32	-17.89
GIW-11	12/21/2020 9:14:18 AM	28.4	33.9	0.4	37.3	52.9	52.9	2.99	4.57	-2.44	-2.44	-18.01
GIW-11	12/23/2020 1:42:46 PM	30.6	34.1	0.5	34.8	58.7	63.7	5.41	2.08	-1.99	-1.97	-17.97
GIW-11	12/23/2020 1:48:43 PM	30.9	33.5	0.3	35.3	63.8	63.9	5.36	7.67	-2.07	-2.09	-17.38
GIW-11	12/30/2020 9:15:54 AM	29.2	29.4	0.7	40.7	44.0	42.1	6.09	4.32	-2.54	-2.55	-17.04
GIW-12	12/2/2020 10:33:44 AM	35.0	36.9	0.1	28.0	52.9	52.9	4.10	3.27	-0.32	-0.32	-19.21
GIW-12	12/9/2020 9:44:15 AM	36.2	37.0	0.6	26.2	59.7	59.9	2.42	1.21	-0.36	-0.36	-19.24
GIW-12	12/9/2020 9:50:00 AM	36.1	36.0	0.6	27.3	60.7	60.8	4.99	2.71	-0.38	-0.37	-19.24
GIW-12	12/14/2020 10:39:10 AM	33.9	36.5	0.8	28.8	41.5	41.6	2.18	2.18	-0.35	-0.35	-18.82
GIW-12	12/21/2020 9:17:58 AM	35.8	36.5	0.6	27.1	51.8	51.9	2.13	2.46	-0.32	-0.31	-19.58
GIW-12	12/23/2020 1:53:50 PM	36.9	38.8	0.0	24.3	61.4	61.4	4.84	3.42	-0.23	-0.23	-19.58
GIW-12	12/23/2020 1:59:35 PM	36.8	37.4	0.0	25.8	65.2	65.4	1.70	4.95	-0.17	-0.17	-19.87
GIW-12	12/30/2020 9:19:57 AM	34.9	34.7	0.2	30.2	40.5	43.8	3.33	3.75	-0.52	-0.51	-19.11

December 2020 Wellfield Monitoring Data - Bridgeton Landfill

Well Name	Date Sampled	Methane	CO ₂	O ₂	Balance Gas	Init Temp	Adj Temp	Init Flow	Adj Flow	Init Static Press	Adj Static Press	System Pressure
		(% vol)				°F		scfm		H ₂ O		
GIW-13	12/2/2020 10:36:42 AM	46.5	43.9	0.0	9.6	56.7	57.0	6.12	7.23	-1.09	-1.09	-12.93
GIW-13	12/9/2020 9:53:40 AM	45.9	46.6	0.0	7.5	60.7	60.9	1.21	1.21	-1.21	-1.21	-12.85
GIW-13	12/9/2020 9:59:47 AM	46.0	46.3	0.0	7.7	56.0	61.6	1.22	1.21	-1.22	-1.22	-12.60
GIW-13	12/14/2020 10:46:57 AM	45.3	46.2	0.0	8.5	46.1	46.3	3.73	3.04	-1.30	-1.31	-13.53
GIW-13	12/21/2020 9:20:57 AM	44.9	46.9	0.0	8.2	56.2	56.5	2.11	2.72	-1.22	-1.22	-14.12
GIW-13	12/23/2020 2:05:44 PM	44.8	47.6	0.0	7.6	64.5	64.4	1.20	1.20	-0.90	-0.90	-13.95
GIW-13	12/23/2020 2:11:32 PM	44.7	46.2	0.0	9.1	63.6	63.6	1.70	2.40	-0.92	-0.93	-14.21
GIW-13	12/30/2020 9:23:50 AM	44.9	44.3	0.0	10.8	43.8	43.8	3.30	4.14	-1.37	-1.37	-13.45
LCS-1D	12/3/2020 1:55:16 PM	48.5	34.5	2.9	14.1	52.9	52.9	4.02	3.83	-7.82	-7.82	-15.33
LCS-1D	12/28/2020 9:31:41 AM	45.6	40.5	3.6	10.3	37.6	37.6	1.75	2.15	-8.78	-8.78	-14.59
LCS-2D	12/10/2020 2:09:10 PM	56.1	39.5	0.1	4.3	73.0	73.0	8.66	5.80	-15.87	-15.87	-18.22
LCS-2D	12/28/2020 2:24:00 PM	56.3	41.5	0.1	2.1	43.4	43.4	18.96	16.40	-16.87	-16.87	-18.67
LCS-3D	12/14/2020 2:33:42 PM	35.8	51.9	1.1	11.2	68.0	67.7	14.96	15.74	-18.24	-18.24	-18.86
LCS-3D	12/28/2020 1:52:40 PM	29.4	64.6	0.0	6.0	171.0	170.9	13.07	14.18	-0.47	-0.49	-17.81
LCS-3D	12/28/2020 1:53:46 PM	29.0	66.4	0.0	4.6	170.9	171.0	14.39	13.22	-0.48	-0.50	-17.81
LCS-4B	12/7/2020 1:52:58 PM	12.9	43.2	6.8	37.1	45.6	45.6	5.15	1.77	-1.21	-1.20	-18.91
LCS-4B	12/7/2020 1:55:11 PM	12.4	48.8	6.5	32.3	44.6	45.5	2.51	4.15	-0.60	-0.61	-18.91
LCS-4B	12/18/2020 9:40:33 AM	19.1	70.9	0.0	10.0	40.8	41.1	6.79	6.79	0.39	0.39	-18.65
LCS-4B	12/18/2020 9:42:58 AM	18.3	71.3	0.9	9.5	41.2	41.1	6.51	8.22	-1.92	-1.91	-18.86
LCS-5A	12/2/2020 9:58:29 AM	56.5	41.2	0.0	2.3	91.0	90.9	30.00	30.00	-7.97	-7.97	-14.14
LCS-5A	12/10/2020 9:50:10 AM	56.2	42.2	0.0	1.6	92.6	92.7	48.29	47.31	-8.10	-8.10	-13.89
LCS-5A	12/16/2020 10:09:38 AM	57.1	42.1	0.0	0.8	87.3	87.6	29.95	27.66	-8.10	-8.10	-13.83
LCS-5A	12/22/2020 9:04:31 AM	55.7	42.7	0.0	1.6	92.0	91.9	45.83	45.83	-7.42	-7.42	-14.26
LCS-5A	12/29/2020 9:27:00 AM	56.5	42.3	0.0	1.2	85.3	85.4	24.26	24.26	-7.72	-7.72	-14.38
LCS-5B	12/2/2020 10:19:56 AM	52.4	40.4	0.4	6.8	123.1	120.5	19.43	19.43	-12.15	-12.15	-13.77
LCS-5B	12/10/2020 10:43:40 AM	52.8	41.9	0.3	5.0	132.9	132.9	13.06	13.57	-12.48	-12.48	-13.77
LCS-5B	12/10/2020 10:45:15 AM	52.9	41.9	0.2	5.0	133.5	133.5	13.20	10.67	-11.47	-11.47	-13.22
LCS-5B	12/16/2020 10:47:28 AM	54.0	41.6	0.5	3.9	112.7	112.7	11.13	12.25	-12.15	-12.15	-13.46
LCS-5B	12/22/2020 9:18:36 AM	53.3	41.8	0.0	4.9	125.7	125.8	9.35	9.35	-11.81	-11.81	-13.83
LCS-5B	12/29/2020 9:42:35 AM	53.7	41.6	0.4	4.3	106.7	106.5	10.53	10.00	-12.15	-12.15	-13.65
LCS-6B	12/2/2020 11:26:51 AM	51.7	41.0	0.0	7.3	93.1	93.0	10.53	10.17	-1.07	-1.07	-13.59
LCS-6B	12/10/2020 9:43:26 AM	52.8	42.5	0.0	4.7	95.0	95.0	9.39	7.67	-0.95	-0.95	-13.34
LCS-6B	12/17/2020 9:32:20 AM	52.3	43.1	0.0	4.6	84.0	84.2	9.58	10.70	-0.98	-1.00	-13.77
LCS-6B	12/22/2020 10:11:32 AM	51.6	42.2	0.0	6.2	87.2	86.9	11.33	12.60	-1.07	-1.12	-13.77
LCS-6B	12/29/2020 10:49:56 AM	52.3	42.0	0.2	5.5	71.1	71.0	8.97	11.69	-0.44	-0.45	-13.83
SEW-002	12/7/2020 2:34:39 PM	23.3	35.0	7.6	34.1	47.2	47.3	2.44	2.73	-9.01	-9.01	-19.97
SEW-002	12/7/2020 2:35:57 PM	23.3	36.2	7.4	33.1	47.3	47.4	4.41	2.73	-9.01	-9.01	-19.97
SEW-002	12/18/2020 10:49:56 AM	21.9	39.7	8.5	29.9	42.9	42.9	2.45	3.24	-9.12	-9.12	-19.24
SEW-002	12/18/2020 10:51:17 AM	22.6	38.4	8.6	30.4	43.1	43.4	1.73	2.45	-9.20	-9.20	-19.87
SEW-003	12/4/2020 10:03:38 AM	2.3	38.4	6.5	52.8	60.3	60.2	5.58	5.17	-0.06	-0.06	-20.13

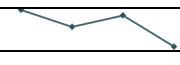
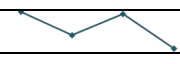
December 2020 Wellfield Monitoring Data - Bridgeton Landfill

Well Name	Date Sampled	Methane	CO ₂	O ₂	Balance Gas	Init Temp	Adj Temp	Init Flow	Adj Flow	Init Static Press	Adj Static Press	System Pressure
		(% vol)				°F		scfm		H ₂ O		
SEW-003	12/4/2020 10:05:15 AM	2.2	37.1	6.5	54.2	59.6	59.6	5.17	4.88	-0.06	-0.06	-20.09
SEW-003	12/18/2020 9:04:09 AM	1.9	30.5	5.6	62.0	44.7	44.6	5.00	5.45	-0.06	-0.06	-19.62
SEW-003	12/18/2020 9:05:25 AM	1.9	32.6	5.4	60.1	44.6	44.7	6.12	6.12	-0.05	-0.05	-19.96
T-56	12/2/2020 11:44:41 AM	52.0	36.9	0.0	11.1	56.9	57.0	4.02	5.69	0.05	0.05	-14.20
T-56	12/2/2020 11:46:29 AM	51.8	36.7	0.0	11.5	57.6	57.6	10.63	11.00	0.04	0.04	-13.71
T-56	12/3/2020 9:57:37 AM	55.9	36.4	0.0	7.7	52.2	52.3	9.47	8.57	0.04	0.04	-13.83
T-56	12/3/2020 10:02:35 AM	55.8	36.7	0.0	7.5	52.9	52.9	11.41	11.52	-0.02	-0.01	-13.77
T-56	12/10/2020 9:33:02 AM	58.0	36.5	0.0	5.5	56.3	56.4	13.94	13.64	0.02	0.02	-14.01
T-56	12/10/2020 9:36:53 AM	56.8	37.2	0.0	6.0	56.7	56.7	11.76	12.87	-0.01	-0.01	-13.89
T-56	12/17/2020 9:52:59 AM	49.6	36.3	0.0	14.1	48.0	48.2	10.34	10.34	0.00	0.00	-13.95
T-56	12/17/2020 9:55:43 AM	49.5	36.2	0.0	14.3	49.8	50.2	14.71	14.96	-0.02	-0.01	-14.26
T-56	12/22/2020 10:28:47 AM	38.6	35.3	0.0	26.1	53.5	53.5	13.68	12.43	-0.02	-0.01	-13.95
T-56	12/29/2020 11:12:17 AM	35.3	33.5	0.0	31.2	44.0	44.0	11.52	12.21	-0.02	-0.02	-14.14


ATTACHMENT D-2

MAXIMUM WELLHEAD TEMPERATURE TABLE

Wellfield Temperature - Bridgeton Landfill

Well Name					Temp Trend	Comments
	September 2020	October 2020	November 2020	December 2020	><30°F	
GEW-002	113.2	113.2	110.5	109.5		
GEW-003	111.2	111.8	99.9	89.8		
GEW-004	113.5	114.3	109.3	106.3		
GEW-005	85.1	89.8	77.1	66.1		
GEW-006	85.2	88.4	84.9	82.3		
GEW-007	94.1	92.6	90.5	87.2		
GEW-008	112.2	111.5	109.7	110.2		
GEW-009	121.0	120.5	118.4	120.2		
GEW-010	98.9	100.6	87.7	83.7		
GEW-013A	194.3	195.0	196.4	192.9		
GEW-015	122.3	105.2	116.6	85.4		
GEW-016R	164.7	164.3	162.9	151.0		
GEW-018B	200.1	200.8	194.7	197.2		
GEW-019A	105.3	60.4	74.4	60.3		
GEW-039	109.0	107.2	100.6	97.3		
GEW-040	85.8	79.8	71.1	62.1		
GEW-041R	92.3	89.3	81.0	76.9		
GEW-042R	104.9	104.5	99.8	100.4		
GEW-043R	115.0	114.8	114.0	114.5		
GEW-044	93.4	87.0	79.8	69.1		
GEW-045R	100.8	100.1	95.5	91.7		
GEW-046R	106.5	106.5	102.2	98.4		
GEW-047R	107.1	110.2	101.1	94.0		
GEW-048	97.2	98.7	95.2	92.9		
GEW-049	97.0	94.3	81.9	93.7		
GEW-050	100.3	99.6	98.4	92.6		
GEW-051	117.6	116.2	113.0	112.5		
GEW-052	105.4	103.8	103.0	97.9		
GEW-053	142.0	141.9	139.9	141.4		
GEW-054	145.9	145.1	144.9	146.3		
GEW-055	128.9	128.6	126.0	128.9		
GEW-056R	108.0	111.7	94.8	84.2		
GEW-057B	159.0	189.6	170.0	156.5		
GEW-058A	114.8	90.5	112.5	76.6		
GEW-059R	105.8	80.0	129.3	117.3		
GEW-067A	194.9	197.2	192.9	187.6		
GEW-068A	175.3	173.1	170.5	168.1		
GEW-078R	159.9	160.7	158.1	151.7		
GEW-082R	173.1	173.1	171.0	169.8		

Wellfield Temperature - Bridgeton Landfill

Well Name					Temp Trend	Comments
	September 2020	October 2020	November 2020	December 2020	><30°F	
GEW-086	173.1	142.3	149.9	174.2		
GEW-087	204.7	203.0	197.4	201.6		
GEW-088	183.9	171.6	160.7	157.8		
GEW-090	167.6	162.4	162.9	157.3		
GEW-091	198.6	198.6	197.2	198.6		
GEW-100	154.0	173.2	67.3	159.8		
GEW-101	99.4	99.9	85.6	86.8		
GEW-102	86.4	89.8	71.4	64.4		
GEW-104	182.8	187.0	191.6	183.3		
GEW-105	126.7	120.5	105.4	83.0		
GEW-106	168.1	136.3	154.8	132.9		
GEW-107	142.9	123.5	128.9	115.0		
GEW-108	158.5	143.9	124.0	133.8		
GEW-109	106.7	104.0	81.2	70.7		
GEW-110	125.0	110.0	111.2	112.2		
GEW-113	179.2	177.5	178.0	176.4		
GEW-116	146.3	144.9	128.9	127.5		
GEW-117	133.8	144.2	136.5	125.8		
GEW-118	201.7	203.0	202.3	201.6		
GEW-120	119.0	117.3	114.3	112.5		
GEW-121	143.2	132.6	133.8	107.0		
GEW-122	97.1	106.2	78.1	55.5		
GEW-123	82.5	101.1	80.3	52.1		
GEW-124	78.6	90.8	68.2	44.7		
GEW-125	98.2	84.2	67.7	44.6		
GEW-126	103.6	94.8	67.2	44.7		
GEW-127	106.7	101.1	75.9	51.2		
GEW-128	--	--	--	--		Temporarily decommissioned
GEW-129	121.8	122.9	116.6	99.1		
GEW-130	153.3	151.3	147.4	137.4		
GEW-131	140.6	125.6	125.8	98.4		
GEW-132	142.9	140.6	130.7	118.6		
GEW-133	147.7	132.9	102.3	91.9		
GEW-134	90.2	111.5	85.6	74.9		
GEW-135	131.4	127.5	115.0	107.0		
GEW-137	99.6	93.9	71.4	48.2		
GEW-138	--	--	--	--		Temporarily decommissioned

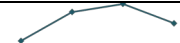




Wellfield Temperature - Bridgeton Landfill

Well Name					Temp Trend	Comments
	September 2020	October 2020	November 2020	December 2020	><30°F	
GEW-139	148.0	138.7	137.1	130.8		
GEW-140	78.8	66.8	69.5	72.4		
GEW-144	98.4	70.7	81.2	81.7		
GEW-145	90.7	92.9	75.3	53.0		
GEW-147	161.2	159.8	159.0	152.5		
GEW-148	154.0	106.5	141.2	125.0		
GEW-149	96.5	73.9	85.8	52.8		
GEW-150	163.3	156.5	145.9	149.2		
GEW-151	118.1	87.2	117.1	62.0		
GEW-152	109.7	84.2	105.7	91.0		
GEW-153	101.9	79.6	106.7	93.4		
GEW-154	--	--	--	--		Temporarily decommissioned
GEW-155	--	--	--	--		Temporarily decommissioned
GEW-156	127.5	120.2	120.5	113.4		
GEW-157	97.7	95.8	82.8	61.6		
GEW-158	121.0	98.4	109.0	90.2		
GEW-159	--	--	--	--		Temporarily decommissioned
GEW-160	98.4	103.3	74.3	78.4		
GEW-161	117.1	124.9	90.3	98.5		
GEW-162	96.1	96.7	74.3	81.9		
GEW-163	126.5	117.3	104.5	79.8		
GEW-164	138.3	135.4	131.3	127.2		
GEW-165	142.2	143.5	134.7	121.8		
GEW-166	159.5	164.7	163.4	159.0		
GEW-167	152.1	152.9	140.6	131.4		
GEW-168	114.4	100.3	91.2	60.9		
GEW-169	128.0	121.0	101.9	77.3		
GEW-170	121.3	123.4	97.4	88.2		
GEW-171	109.5	98.7	76.8	67.8		
GEW-172	141.9	141.5	135.0	127.8		
GEW-173	--	--	--	--		Temporarily decommissioned
GEW-174	116.3	86.3	85.4	76.8		
GEW-175	135.5	138.7	128.0	120.2		
GEW-176	--	--	--	--		Temporarily decommissioned
GEW-177	165.9	165.2	162.9	159.0		
GEW-178	97.9	96.3	81.4	65.9		

Wellfield Temperature - Bridgeton Landfill

Well Name					Temp Trend	Comments
	September 2020	October 2020	November 2020	December 2020	><30°F	
GEW-179	100.4	100.1	85.8	75.5		
GEW-180	95.8	79.2	77.3	79.6		
GEW-181	97.0	97.0	82.1	76.6		
GEW-182	--	--	--	--		Temporarily decommissioned
GEW-184	--	--	--	--		Temporarily decommissioned
GEW-185	105.2	87.3	85.1	79.5		
GEW-186	92.9	94.6	82.1	56.2		
GEW-187	117.3	112.8	101.1	98.2		
GEW-188	--	--	--	--		Temporarily decommissioned
GEW-217	156.5	168.1	109.0	48.3		
GEW-218	120.7	115.8	93.4	88.8		
GEW-219	--	--	--	--		Temporarily decommissioned
GEW-220	161.6	154.2	165.8	52.7		
GEW-221	117.3	81.2	83.5	89.9		
GEW-222	98.9	85.4	78.1	78.4		
GEW-223	125.6	136.1	124.5	130.3		
GEW-224	154.9	154.0	145.3	148.8		
GEW-225	157.3	159.4	155.6	153.6		
GEW-226	175.8	175.8	172.6	171.9		
GEW-227	187.0	192.3	183.9	179.2		
GEW-228	191.6	182.1	173.1	171.6		
GEW-229	101.6	113.6	101.6	103.5		
GEW-230	161.6	156.2	157.3	148.8		
GEW-231	--	--	--	--		Temporarily decommissioned
GEW-232	161.6	161.0	134.7	109.7		
GEW-233	111.5	125.8	76.6	68.6		
GEW-234	199.4	203.1	203.9	202.3		
GEW-235	145.4	135.3	125.8	107.0		
GEW-236	204.7	203.9	200.9	201.6		
GEW-237	149.5	146.6	135.0	129.1		
GEW-238	190.9	188.8	188.3	190.2		
GEW-239	202.3	203.1	202.2	199.3		
GEW-240	194.5	192.3	189.6	188.6		
GEW-241	--	65.1	120.5	116.0		
GEW-242	--	48.5	199.3	193.6		
GEW-243	--	45.6	94.3	67.8		

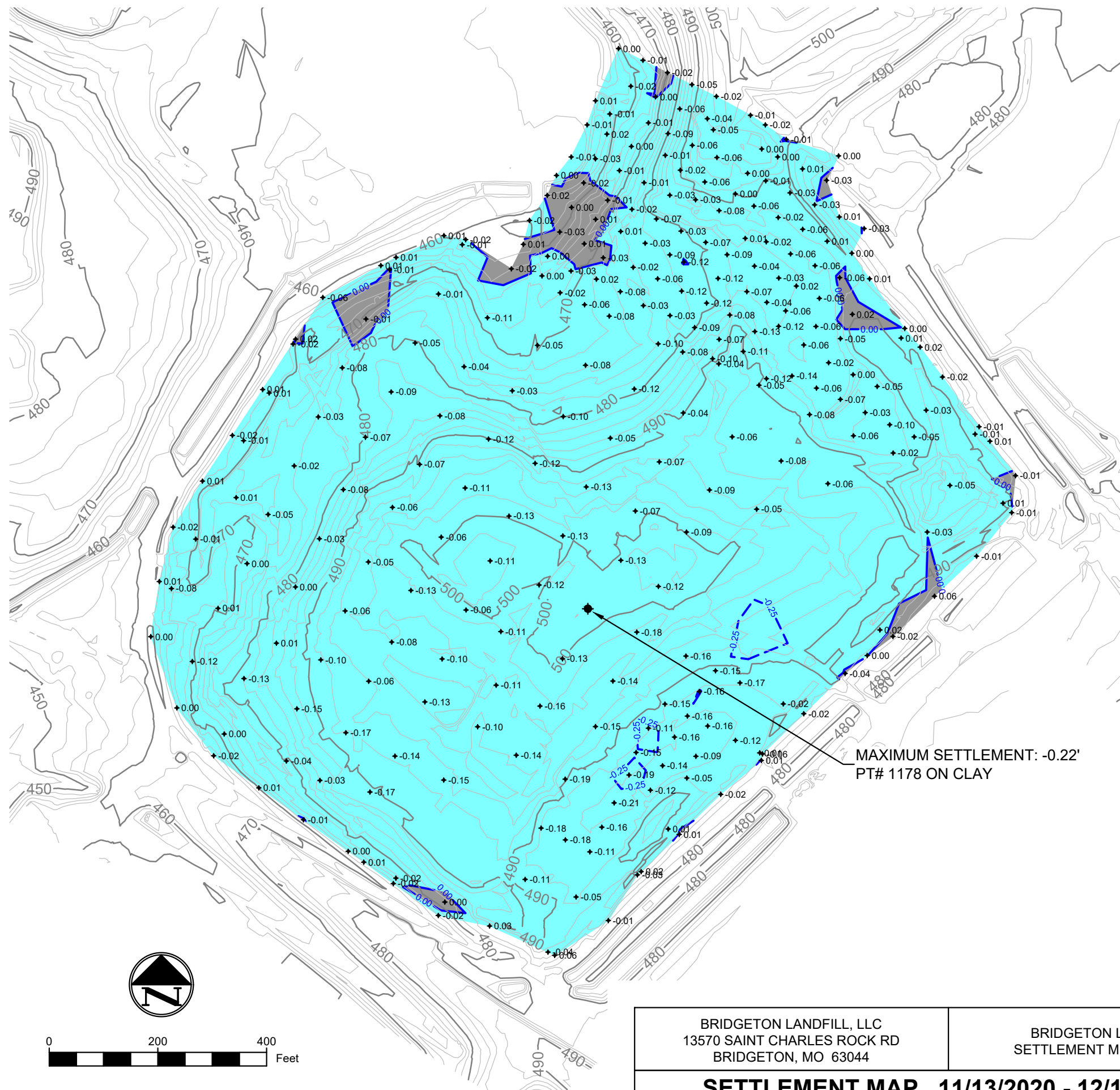
Wellfield Temperature - Bridgeton Landfill

Well Name					Temp Trend	Comments
	September 2020	October 2020	November 2020	December 2020	><30°F	
GEW-244	--	56.5	100.6	99.4		
GEW-245	--	75.0	96.5	45.8		
GEW-246	--	79.1	199.6	200.8		
GEW-247	--	63.1	90.5	148.8		
GEW-248	--	75.8	202.4	196.4		
GEW-249	--	61.8	127.9	122.7		
GEW-250	--	115.5	200.1	168.1		
GEW-251	--	64.1	202.9	198.5		
GEW-252	--	103.8	176.9	182.4		
GEW-253	--	131.5	204.7	187.0		
GEW-2S	88.2	88.2	76.4	67.3		
GIW-01	139.3	143.5	125.2	122.9		
GIW-02	81.5	97.0	82.0	67.6		
GIW-03	80.5	99.6	81.0	57.2		
GIW-04	83.5	96.7	87.5	63.0		
GIW-05	84.4	100.1	86.3	52.3		
GIW-06	84.4	102.0	72.0	58.2		
GIW-07	86.3	100.4	73.2	65.7		
GIW-08	88.9	98.7	73.6	62.8		
GIW-09	91.0	98.4	73.6	62.1		
GIW-10	90.8	92.4	75.9	62.6		
GIW-11	90.5	89.4	73.0	63.9		
GIW-12	87.7	92.2	70.9	65.4		
GIW-13	86.1	92.9	71.6	64.5		
LCS-1D	89.3	67.7	81.4	52.9		
LCS-2D	100.7	72.2	67.2	73.0		
LCS-3D	162.9	145.6	156.0	171.0		
LCS-4B	94.8	75.0	69.0	45.6		
LCS-5A	103.8	96.0	92.6	92.7		
LCS-5B	125.6	131.4	122.9	133.5		
LCS-6B	106.5	103.0	92.2	95.0		
SEW-002	93.4	76.3	77.9	47.4		
SEW-003	94.3	75.0	87.7	60.3		
T-56	77.0	75.9	66.2	57.6		

-- = Indicates no data available.

ATTACHMENT E

SETTLEMENT FRONT MAP



Thickness Map				
Range	Minimum Depth	Maximum Depth	2D Area (Sq. Ft.)	Color
1	-5.00	-4.00	0.00	Dark Blue
2	-4.00	-3.00	0.00	Medium Blue
3	-3.00	-2.00	0.00	Light Blue
4	-2.00	-1.00	0.00	Very Light Blue
5	-1.00	0.00	1,488,117.59	Cyan
6	0.00	1.00	44,405.81	Grey


LEGEND

- 12-10-2019 TOPOGRAPHY (2' CONTOUR)
 - 12-10-2019 TOPOGRAPHY (10' CONTOUR)
 - .25 MINOR ELEVATION CHANGE CONTOUR (0.25 FEET)
 - .50 MAJOR ELEVATION CHANGE CONTOUR (0.50 FEET)
 - 0.3 SPOT ELEVATION DIFFERENCE (11-13-2020 to 12-17-2020)
 - 12-2020 *SETTLEMENT FRONT CONTOUR FOR AREA WITH 1.53' PER 34 DAYS FOR CURRENT PERIOD OF DAYS
- *NONE FOR DECEMBER 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 11-13-20 FROM SPOT ELEVATIONS SURVEYED ON 12-17-20.
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.

MAXIMUM SETTLEMENT: -0.22'
PT# 1178 ON CLAY

BRIDGETON LANDFILL, LLC 13570 SAINT CHARLES ROCK RD BRIDGETON, MO 63044	BRIDGETON LANDFILL SETTLEMENT MONITORING	
SETTLEMENT MAP 11/13/2020 - 12/17/2020		DECEMBER 2020 DESIGNED BY: IN APPROVED BY: DRF
PROJECT NUMBER: BT-145 FILE PATH: C:\Users\User\Desktop\Feezor Engineering\Bridgeton\100-149BT-145 (Agreed Order Reporting)\Monthly Reports\2020\12-2020 Report\Internal Draft\Site Data\Settlement\Settlement And Fill 12-17-2020.dwg		REVISION DATE
		DRAWING NO.: 001

ATTACHMENT F

LIQUID CHARACTERIZATION DATA AND DISCHARGE LOG

Bridgeton Landfill - Leachate PreTreatment Plant

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

Direct Discharge to MSD

Date	Waste	Source	Quantity (gal)
12/1/2020			156,836
12/2/2020			171,616
12/3/2020			217,316
12/4/2020			212,464
12/5/2020			200,280
12/6/2020			221,904
12/7/2020			194,848
12/8/2020			131,544
12/9/2020			117,752
12/10/2020			142,048
12/11/2020			125,016
12/12/2020			152,072
12/13/2020			144,244
12/14/2020			138,484
12/15/2020			147,432
12/16/2020	LPTP Permeate	Through Tank AST 97k (MSD Sampling Point 013)	146,132
12/17/2020			146,636
12/18/2020			132,224
12/19/2020			135,176
12/20/2020			155,928
12/21/2020			124,852
12/22/2020			154,444
12/23/2020			168,372
12/24/2020			140,020
12/25/2020			152,216
12/26/2020			141,100
12/27/2020			142,532
12/28/2020			158,592
12/29/2020			175,560
12/30/2020			151,292
12/31/2020			133,028
Total			4,831,960

ATTACHMENT G

VOLUMES OF LEACHATE PROCESSED

Bridgeton Landfill - Leachate Volumes
December 2020

Total volume of leachate from the individual leachate collection sumps during the month. Additional non-LCS leachate was collected and the total volume was 2,486,848 gallons. Therefore, the total leachate collected was 3,260,929 gallons.

ID	Volume
LCS -1D	0
LCS-2D	0
LCS-3D	132,793
LCS-4B	0
LCS-5A	597,312
LCS-5B	36,736
LCS-6B	7,240