

Bridgeton Landfill, LLC

Monthly Data Submittals

February 2021

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

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Provided Separately:

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

March 19, 2021

Commentary on Data

March 19, 2021

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

Gas Volume

- As presented in Attachment A-1, the gas collection volumetric rate for this month averaged a total site flow of 979 SCFM, as normalized per the MDNR weekly flow and TRS sampling results.

Gas Quality

- Attachments C and D present the monthly data related to gas quality as measured at the respective wellheads.
- Attachment D-1 presents vertical wells which exhibited oxygen levels at or greater than 5% during one (1) or more weekly monitoring events during this reporting period. These consisted of 23 GEW wells that are experiencing low or restricted flows, and 1 LCS well that exhibit low gas flow due to the cooling loops that are installed in these wells. By the end of the month, 17 of the GEW wells and one LCS well still exhibited oxygen levels at or greater than 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 D-2 presents gas temperatures as measured at the wellheads. Six (6) vertical wells (excluding GIW wells) increased by 30°F or more and eight (8) 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 (145.0°F). Carbon monoxide (CO) results were non-detect (ND) for North Quarry wells, with the exception of GEW-053. Due to an extended period of exceptionally cold temperatures during February, pumping of leachate / condensate was temporarily compromised and liquid levels rose within GEW-53, reducing the available perforations. Landfill gas quality was affected by the weather-related changes to well conditions, therefore, multiple gas samples (both field and analytical) were taken during the time period needed to resolve the issue. Therefore, for gas well GEW-53, there are multiple data points within the February 2021 monthly report.
- 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 35 days during this reporting period (see Attachment E).

Bird Monitoring and Mitigation

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

Natural Gas Usage

- Natural gas was not used as a supplemental fuel for the destruction of landfill gas in the previous month.

ATTACHMENT A

DAILY FLARE MONITORING DATA

ATTACHMENT A-1

FLOW DATA TABLE

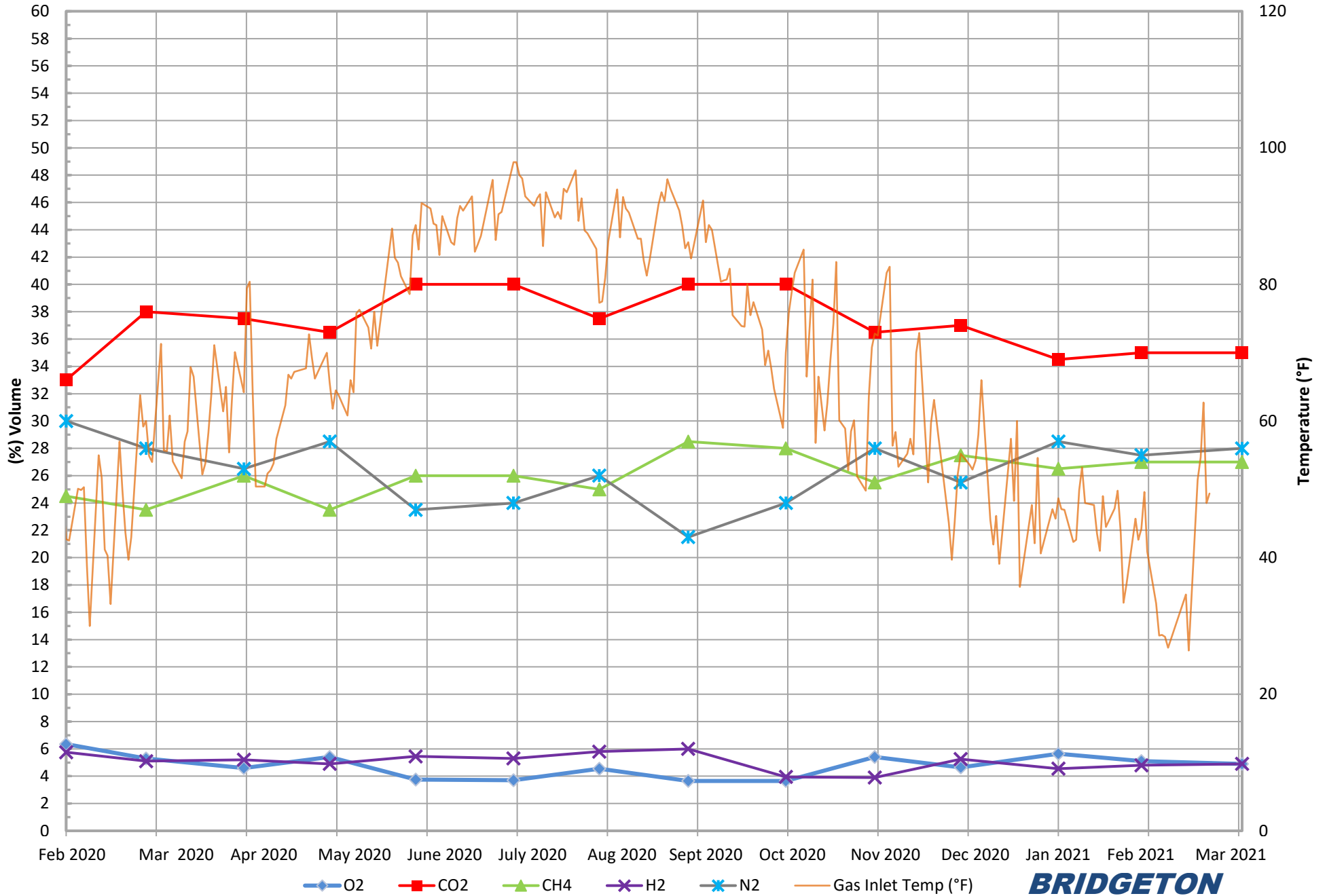
Daily Flare Monitoring Data - Bridgeton Landfill
February 2021

Date	Average Device Flow* (scfm)			Total Avg. Flow** (scfm)
	Utility Flare (FL-100)	Utility Flare (FL-120)	Utility Flare (FL-140)	
2/1/2021	1,019	2	1	1,021
2/2/2021	1,031	1	1	1,033
2/3/2021	1,060	1	1	1,062
2/4/2021	1,023	2	1	1,026
2/5/2021	1,009	2	1	1,011
2/6/2021	995	2	1	998
2/7/2021	970	3	1	974
2/8/2021	977	3	1	981
2/9/2021	960	3	1	963
2/10/2021	924	3	1	928
2/11/2021	916	3	1	919
2/12/2021	954	2	1	958
2/13/2021	945	3	1	949
2/14/2021	892	3	1	897
2/15/2021	792	4	1	797
2/16/2021	307	66	1	374
2/17/2021	515	409	1	925
2/18/2021	955	2	1	957
2/19/2021	1,000	2	1	1,002
2/20/2021	1,030	1	1	1,032
2/21/2021	1,036	1	1	1,038
2/22/2021	1,016	1	0	1,017
2/23/2021	1,077	1	0	1,078
2/24/2021	1,067	0	0	1,068
2/25/2021	1,103	1	0	1,105
2/26/2021	1,095	1	0	1,097
2/27/2021	1,096	0	0	1,097
2/28/2021	1,088	0	0	1,089
AVERAGE	959	19	1	979
<p>* Flows normalized to **Blower Outlet Flowmeter - EPA Method 2 measurement verified</p> <p>*** On 3/18/2016, the Bridgeton Landfill began separating the North Quarry gas to the Auxiliary Flare.</p> <p>On 10/8/19, the Bridgeton Landfill combined the North Quarry gas and the South Quarry Gas to the Main Flare</p>				

ATTACHMENT A-2

FLOW DATA GRAPHS

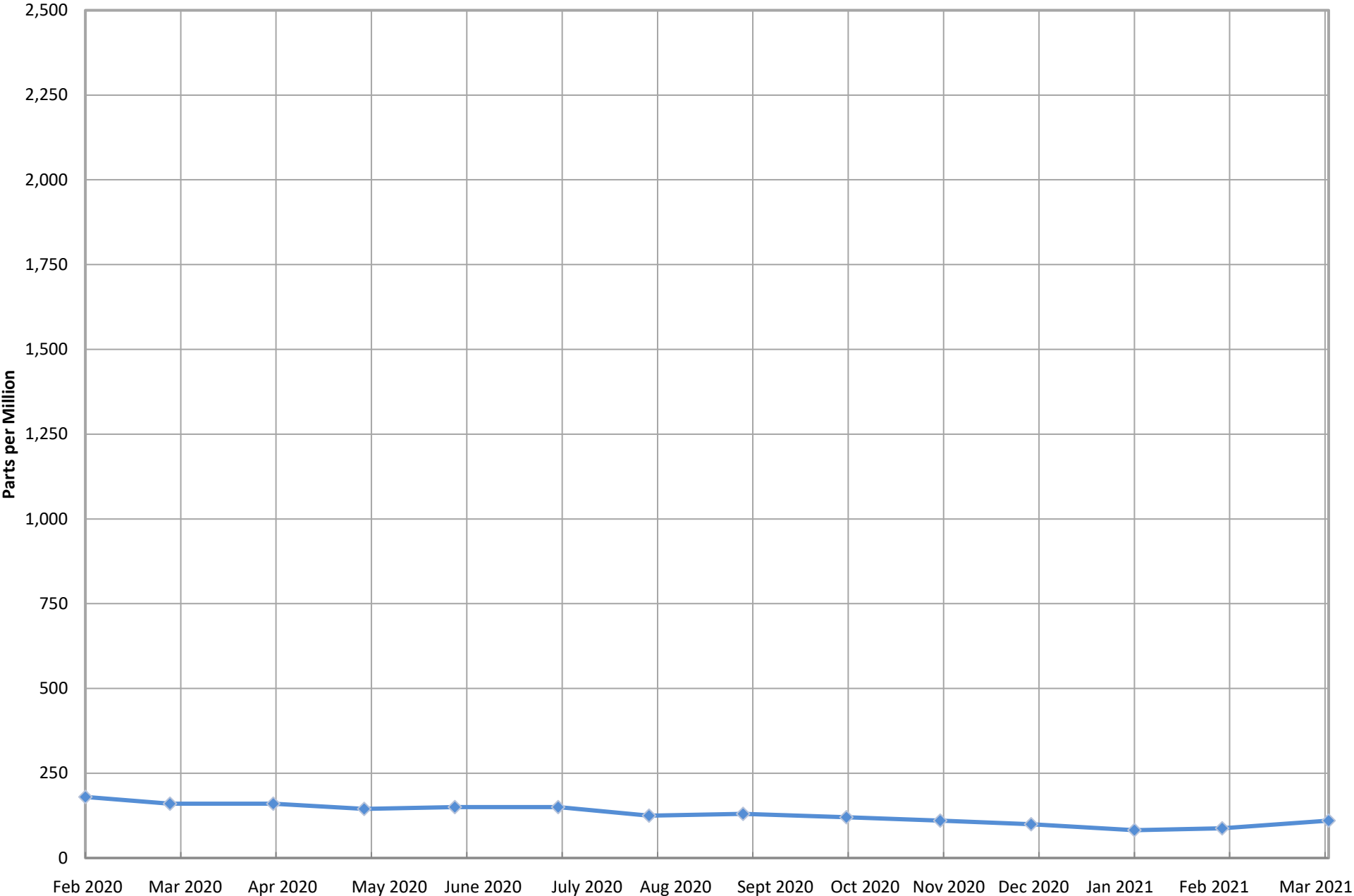
Combined Inlet Gas and Temperature*



**BRIDGETON
LANDFILL**

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

Combined Inlet Carbon Monoxide*

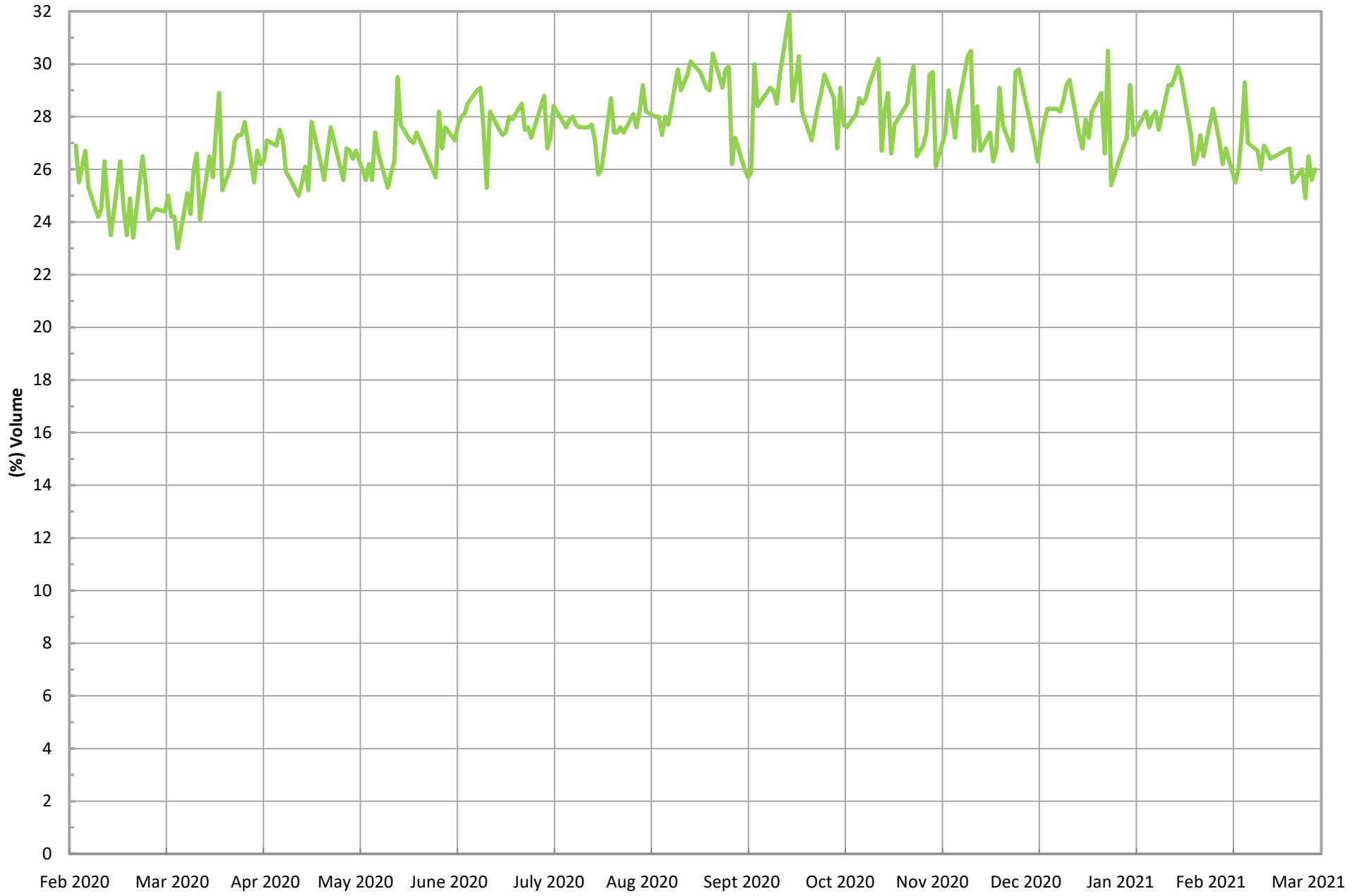


—◆— Inlet Carbon Monoxide*

*Data collected from Laboratory Reports.

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Combined Inlet Methane (Field Data)*

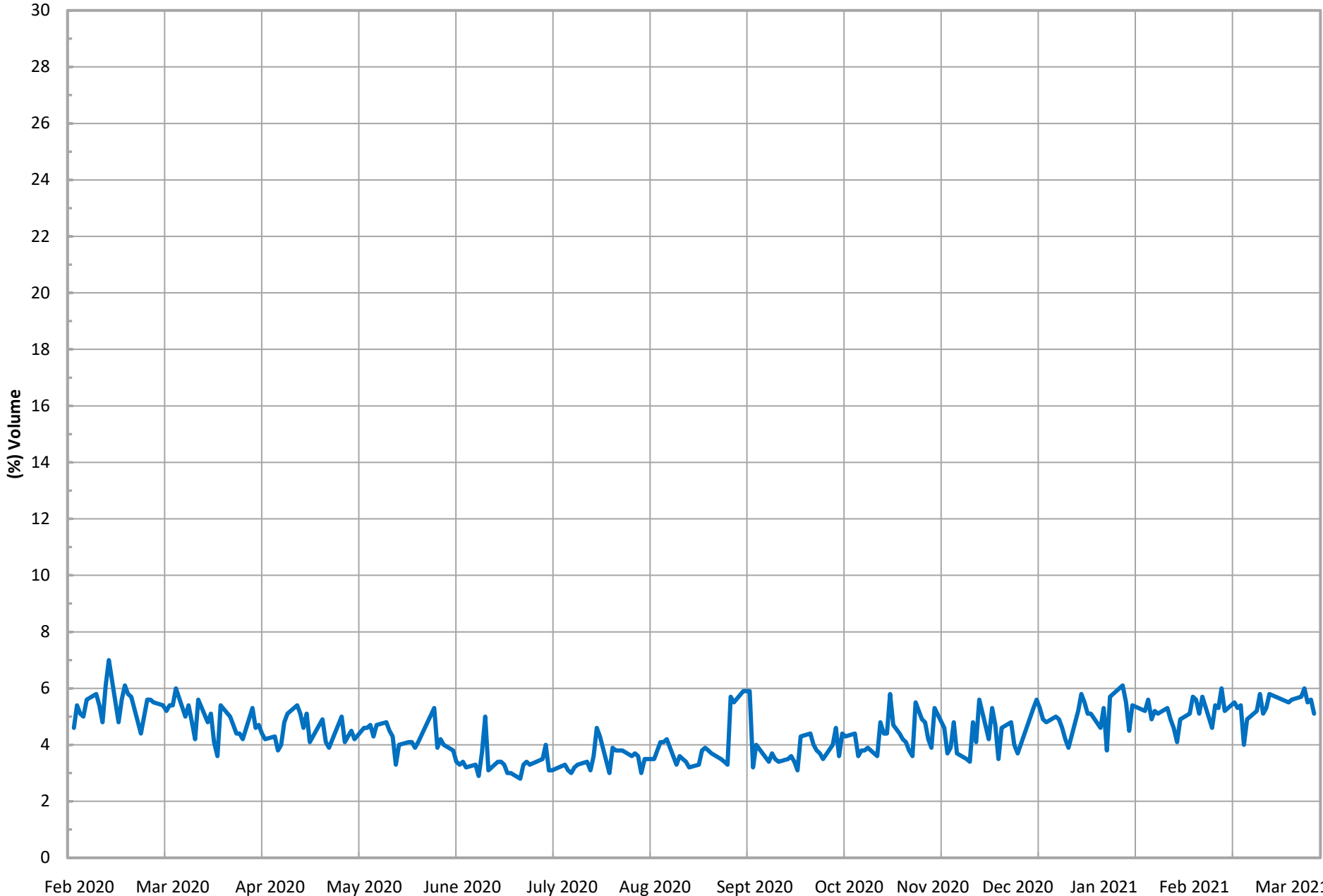


*Gas data collected from field monitoring data.

— Combined Inlet Methane (Field Data)*

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Combined Inlet Oxygen (Field Data)*

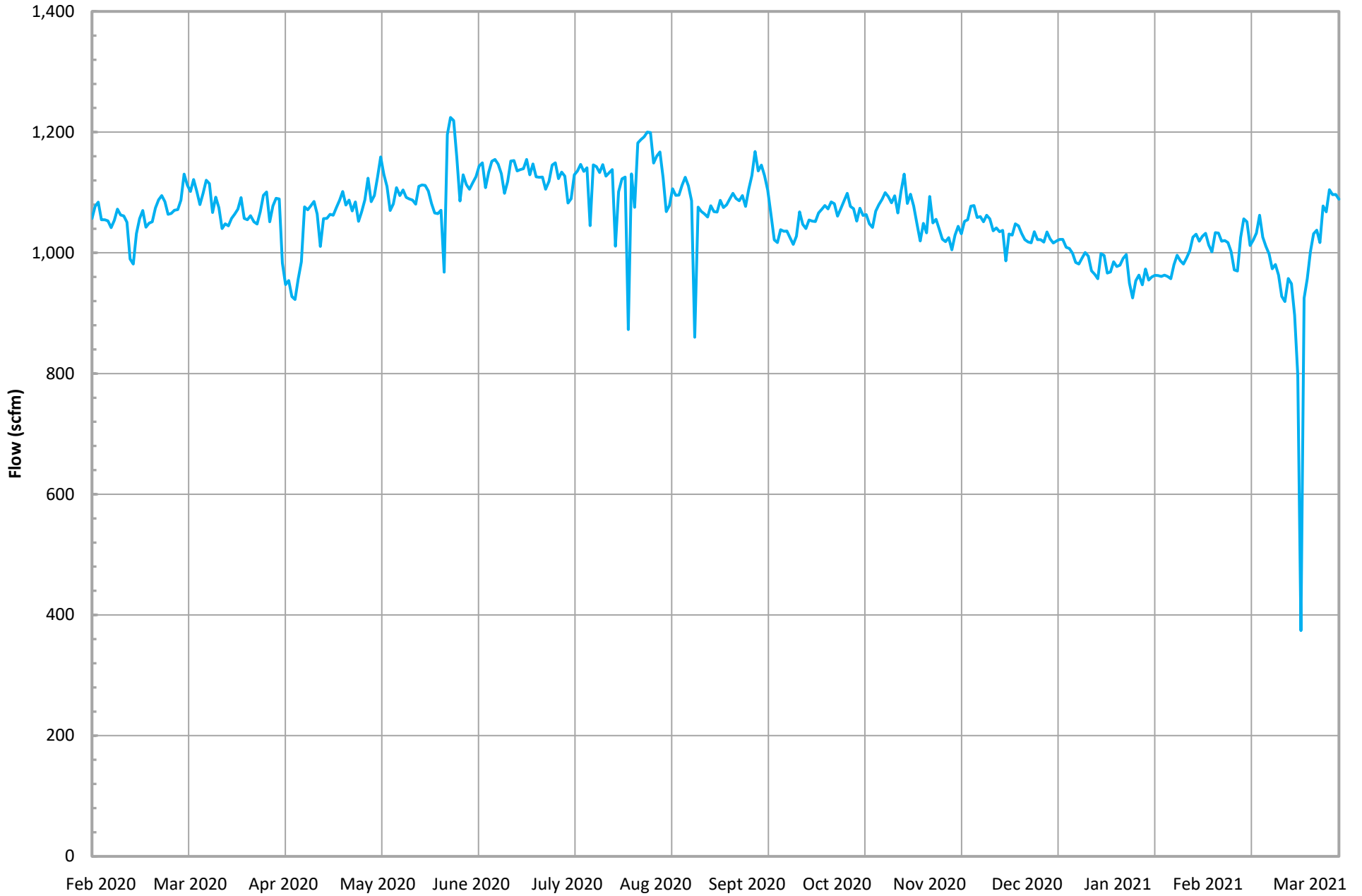


*Gas data collected from field monitoring data

— Combined Inlet Oxygen (Field Data)*

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Total Combined Flow (scfm)*



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

— Total Combined Flow (scfm)*

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ATTACHMENT B

WELL CONDITON/STATUS REPORT

February 2021

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	Non-Operational	Decommissioned
GEW-59R	Operational	
GEW-67A	Operational	
GEW-68A	Operational	
GEW-78R	Operational	
GEW-82R	Operational	
GEW-86	Operational	
GEW-87	Operational	
GEW-88	Operational	
GEW-90	Operational	

February 2021

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	Non-Operational	Decommissioned
GEW-152	Operational	
GEW-153	Operational	

February 2021

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	

February 2021		
ID	Well Condition	Comments
GEW-227	Operational	
GEW-228	Operational	
GEW-229	Operational	
GEW-230	Non-Operational	Decommissioned
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	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-002	1/12/2021	50	39	ND	10	ND	ND	
GEW-002	2/9/2021	47	38	ND	14	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-02S	1/12/2021	51	38	ND	9.7	ND	ND	
GEW-02S	2/8/2021	55	38	ND	5.9	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-003	1/12/2021	54	42	ND	3.7	ND	ND	
GEW-003	2/9/2021	52	42	ND	5.0	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-004	1/12/2021	50	41	ND	9.1	0.053	ND	
GEW-004	2/9/2021	50	40	ND	9.2	0.049	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-005	1/12/2021	54	39	ND	7.1	ND	ND	
GEW-005	2/9/2021	47	37	ND	15	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-006	1/13/2021	52	39	ND	8.2	ND	ND	
GEW-006	2/9/2021	49	37	ND	12	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-007	1/13/2021	53	41	ND	5.0	ND	ND	
GEW-007	2/8/2021	53	41	ND	5.3	ND	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-008	1/13/2021	52	43	ND	3.4	1.3	ND	
GEW-008	2/8/2021	51	43	ND	4.4	1.1	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-009	1/13/2021	51	42	ND	5.2	0.71	ND	
GEW-009	2/8/2021	49	42	ND	7.8	0.68	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-040	1/13/2021	53	33	ND	13	ND	ND	
GEW-040	2/8/2021	59	35	ND	5.2	ND	ND	
GEW-041R	10/12/2020	51	36	ND	12	ND	ND	
GEW-041R	11/12/2020	47	34	ND	18	ND	ND	
GEW-041R	12/9/2020	48	34	ND	17	ND	ND	
GEW-041R	1/12/2021	48	33	ND	18	ND	ND	
GEW-041R	2/9/2021	49	34	ND	17	ND	ND	

Laboratory Analysis - Bridgeton Landfill

Well Name	Date Sampled	Methane	CO ₂	O ₂ /Argon	Nitrogen	Hydrogen	Carbon Monoxide	Comments
							(%)	
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-042R	1/12/2021	52	37	ND	10	ND	ND	
GEW-042R	2/11/2021	56	42	ND	ND	ND	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-043R	1/12/2021	51	40	ND	7.8	0.12	ND	
GEW-043R	2/9/2021	50	41	ND	7.7	0.11	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-044	1/12/2021	34	31	ND	34	ND	ND	
GEW-044	2/8/2021	44	37	ND	18	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-045R	1/12/2021	49	38	ND	13	ND	ND	
GEW-045R	2/9/2021	49	38	ND	13	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-046R	1/12/2021	51	41	ND	7.0	0.044	ND	
GEW-046R	2/9/2021	45	36	2.3	17	0.039	ND	
GEW-046R	2/24/2021	50	40	ND	9.4	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-047R	1/12/2021	47	40	ND	13	ND	ND	
GEW-047R	2/9/2021	43	36	3.4	17	ND	ND	See Note 3
GEW-047R	2/24/2021	48	39	1.7	11	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-048	1/12/2021	52	39	ND	7.9	ND	ND	
GEW-048	2/9/2021	51	40	ND	8.5	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-049	1/12/2021	37	34	ND	28	ND	ND	
GEW-049	2/8/2021	50	40	ND	9.0	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-050	1/13/2021	51	38	ND	9.9	ND	ND	
GEW-050	2/8/2021	48	38	ND	14	ND	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-051	1/13/2021	53	42	ND	3.5	1.2	ND	
GEW-051	2/8/2021	52	44	ND	ND	1.6	ND	
GEW-052	10/12/2020	52	41	ND	5.5	ND	ND	
GEW-052	11/11/2020	49	40	ND	10	ND	ND	
GEW-052	12/9/2020	48	39	ND	12	ND	ND	

Laboratory Analysis - Bridgeton Landfill

Well Name	Date Sampled	Methane	CO ₂	O ₂ /Argon	Nitrogen	Hydrogen	Carbon Monoxide	Comments
							(ppm)	
(%)								
GEW-052	1/13/2021	49	39	ND	11	ND	ND	
GEW-052	2/8/2021	47	38	ND	13	ND	ND	
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-053	1/13/2021	48	42	ND	5.4	3.3	47	
GEW-053	2/8/2021	46	43	ND	6.1	4.3	58	
GEW-053	2/19/2021	25	30	ND	38	5.4	590	
GEW-053	2/24/2021	41	40	ND	10	6.8	100	
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-054	1/13/2021	51	43	ND	3.9	1.4	ND	
GEW-054	2/8/2021	51	43	ND	4.0	1.5	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	
GEW-055	1/13/2021	51	42	ND	4.9	1.3	ND	
GEW-055	2/8/2021	50	43	ND	4.9	1.4	ND	
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
Flare Station ²	1/6/2021	26.5	34.5	5.7	28.5	4.6	82	See Note 9
Flare Station ²	2/3/2021	27.0	35.0	5.1	27.5	4.8	88	See Note 9

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

ND = Analyte not detected in sample.
² = Flare Station measured at EPA Method 2 flow port (blower outlet)

Laboratory Analysis - Bridgeton Landfill

Well Name	Date Sampled	Methane	CO ₂	O ₂ /Argon	Nitrogen	Hydrogen	Carbon Monoxide	Comments
							(ppm)	
South Quarry								
GEW-010	10/13/2020	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-010	1/6/2021	53	41	ND	4.9	0.057	ND	
GEW-010	2/11/2021	55	42	ND	ND	0.035	ND	
GEW-013A	10/5/2020	0.010	0.11	22	78	ND	ND	See Note 3
GEW-013A	1/7/2021	5.6	62	ND	5.0	25	590	
GEW-015	10/7/2020	26	47	ND	6.7	19	370	
GEW-015	1/7/2021	26	45	1.6	12	16	270	
GEW-016R	10/7/2020	9.4	48	ND	19	22	580	
GEW-016R	1/7/2021	9.6	50	ND	14	25	510	
GEW-018B	10/7/2020	1.9	48	ND	6.1	41	600	
GEW-018B	1/8/2021	1.4	45	3.0	11	39	460	
GEW-019A	10/9/2020	0.51	33	11	41	14	470	See Note 4
GEW-019A	1/11/2021	1.4	55	5.0	18	21	730	See Note 4
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-039	1/6/2021	35	35	2.3	28	ND	ND	
GEW-039	2/10/2021	39	37	1.7	22	ND	ND	
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-056R	1/6/2021	46	41	ND	9.0	2.8	31	
GEW-056R	2/10/2021	48	42	ND	6.6	3.0	34	
GEW-057B	10/9/2020	1.5	52	ND	ND	41	500	
GEW-057B	1/13/2021	7.8	48	ND	4.9	37	420	
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-059R	1/8/2021	25	38	ND	13	22	280	
GEW-067A	10/5/2020	0.24	1.1	21	77	0.48	ND	See Note 3
GEW-067A	1/7/2021	7.2	45	1.8	11	34	360	
GEW-068A	10/12/2020	16	44	ND	13	25	770	
GEW-068A	1/14/2021	24	47	ND	ND	25	620	
GEW-078R	10/7/2020	23	37	ND	23	15	430	
GEW-078R	1/8/2021	28	36	2.3	19	15	380	
GEW-082R	10/7/2020	8.7	33	ND	38	18	450	
GEW-082R	1/11/2021	10	28	4.5	37	20	440	
GEW-086	10/5/2020	ND	0.087	22	78	ND	ND	See Note 4
GEW-086	1/18/2021	7.8	29	4.5	40	19	260	
GEW-087	10/7/2020	4.7	63	ND	ND	27	650	
GEW-087	1/7/2021	8.7	48	2.7	20	20	410	
GEW-088	10/5/2020	0.27	7.3	18	66	8.1	150	See Note 3
GEW-088	1/7/2021	1.7	43	ND	5.3	49	810	
GEW-090	10/5/2020	7.1	11	16	61	4.3	71	See Note 3
GEW-090	1/7/2021	25	36	2.0	18	19	270	
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-091	1/6/2021	2.3	44	2.6	9.1	41	270	
GEW-091	2/11/2021	2.7	48	ND	4.3	42	340	
GEW-100	10/9/2020	17	60	ND	4.4	17	280	

Laboratory Analysis - Bridgeton Landfill

Well Name	Date Sampled	Methane	CO ₂	O ₂ /Argon	Nitrogen	Hydrogen	Carbon Monoxide (ppm)	Comments
GEW-100	1/14/2021	14	54	2.7	9.2	20	260	
GEW-101	10/9/2020	30	58	1.9	10	ND	ND	
GEW-101	1/14/2021	33	59	ND	5.9	ND	ND	
GEW-102	10/9/2020	29	43	2.1	7.5	17	66	
GEW-102	1/13/2021	17	27	9.2	32	13	ND	See Note 4
GEW-104	10/9/2020	1.9	54	ND	ND	39	460	
GEW-104	1/13/2021	1.7	51	ND	ND	42	370	
GEW-105	10/9/2020	40	43	ND	4.3	12	210	
GEW-105	1/11/2021	43	44	ND	3.2	8.7	110	
GEW-106	10/9/2020	13	41	4.4	19	22	370	
GEW-106	1/11/2021	10.0	40	5.4	21	24	330	See Note 4
GEW-107	10/9/2020	39	49	ND	ND	9.0	210	
GEW-107	1/11/2021	45	49	ND	ND	3.6	96	
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-108	1/6/2021	40	43	ND	3.7	12	150	
GEW-108	2/11/2021	42	44	ND	ND	12	160	
GEW-109	10/13/2020	43	41	2.0	13	0.46	ND	
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-109	1/6/2021	46	39	2.3	12	0.25	ND	
GEW-109	2/11/2021	49	40	1.8	9.0	0.16	ND	
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-110	1/6/2021	47	44	ND	4.8	3.7	39	
GEW-110	2/10/2021	47	44	1.6	5.9	2.3	44	
GEW-113	10/7/2020	12	57	ND	8.1	21	530	
GEW-113	1/7/2021	12	56	1.9	10	19	450	
GEW-116	10/7/2020	27	53	ND	16	2.0	140	
GEW-116	1/8/2021	33	59	ND	4.4	1.2	40	
GEW-117	10/8/2020	32	50	ND	15	1.4	110	
GEW-117	1/11/2021	31	47	2.6	18	1.0	89	
GEW-118	10/9/2020	4.8	47	ND	14	32	670	
GEW-118	1/11/2021	2.2	53	ND	4.8	38	520	
GEW-120	10/8/2020	34	44	1.9	20	0.083	ND	
GEW-120	1/11/2021	39	42	2.3	16	0.11	ND	
GEW-121	10/8/2020	35	51	ND	9.4	3.7	130	
GEW-121	1/11/2021	37	47	1.4	11	3.3	120	
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-122	1/11/2021	39	33	3.3	16	8.5	240	
GEW-123	10/8/2020	31	63	ND	4.2	0.78	120	
GEW-123	1/11/2021	33	54	ND	11	0.63	85	
GEW-124	10/8/2020	38	32	6.4	23	ND	ND	See Note 4
GEW-124	1/11/2021	34	25	9.0	31	ND	ND	See Note 4
GEW-125	10/9/2020	41	50	ND	8.0	ND	ND	
GEW-125	1/13/2021	47	45	1.8	6.1	ND	ND	
GEW-126	10/9/2020	26	52	ND	7.7	13	560	
GEW-126	1/13/2021	21	54	3.7	13	7.5	550	
GEW-127	10/9/2020	17	46	3.2	20	13	660	
GEW-127	1/14/2021	15	28	11	43	3.9	200	See Note 3

Laboratory Analysis - Bridgeton Landfill

Well Name	Date Sampled	Methane	CO ₂	O ₂ /Argon	Nitrogen	Hydrogen	Carbon Monoxide	Comments
							(%)	
GEW-129	10/9/2020	36	52	ND	8.9	1.3	110	
GEW-129	1/14/2021	37	52	ND	7.9	0.99	72	
GEW-130	10/9/2020	23	43	ND	15	17	840	
GEW-130	1/14/2021	25	38	2.9	20	14	590	
GEW-131	10/9/2020	41	43	ND	4.0	11	390	
GEW-131	1/13/2021	41	41	ND	5.3	11	340	
GEW-132	10/8/2020	15	32	ND	40	11	400	
GEW-132	1/11/2021	20	34	1.7	29	14	440	
GEW-133	10/7/2020	4.3	40	ND	39	15	620	
GEW-133	1/8/2021	11	40	2.1	33	14	410	
GEW-134	10/7/2020	6.5	46	ND	24	21	660	
GEW-134	1/8/2021	9.9	34	3.4	38	14	300	
GEW-135	10/7/2020	2.9	49	ND	18	27	530	
GEW-135	1/8/2021	4.8	45	1.6	21	28	470	
GEW-137	10/7/2020	39	42	ND	18	ND	ND	
GEW-137	1/8/2021	41	41	1.8	16	ND	ND	
GEW-139	10/9/2020	14	40	4.2	16	26	950	
GEW-139	1/15/2021	8.5	47	2.0	6.6	36	1,300	
GEW-140	10/9/2020	15	49	ND	3.2	32	1,000	
GEW-140	1/15/2021	23	46	ND	ND	28	650	
GEW-144	10/12/2020	50	47	ND	ND	0.15	ND	
GEW-144	1/14/2021	39	37	5.3	19	0.23	ND	See Note 4
GEW-145	10/9/2020	34	45	ND	ND	18	130	
GEW-145	1/13/2021	28	41	2.3	8.3	18	66	
GEW-147	10/7/2020	16	42	2.1	23	16	360	
GEW-147	1/25/2021	16	44	ND	19	20	360	
GEW-148	10/7/2020	16	52	ND	ND	28	980	
GEW-148	1/7/2021	24	45	2.3	8.0	21	610	
GEW-149	10/5/2020	8.3	21	2.5	67	0.47	ND	
GEW-149	1/7/2021	3.2	14	6.6	76	ND	ND	See Note 3
GEW-150	10/9/2020	32	47	ND	5.5	15	280	
GEW-150	1/11/2021	30	45	ND	7.0	17	240	
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-152	1/11/2021	24	45	2.4	12	17	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-153	1/8/2021	31	33	ND	31	3.2	56	
GEW-156	10/12/2020	28	43	2.1	8.6	18	400	
GEW-156	1/25/2021	28	45	ND	5.1	21	370	
GEW-157	10/9/2020	15	45	ND	ND	36	510	
GEW-157	1/13/2021	34	42	ND	4.9	18	170	
GEW-158	10/9/2020	31	46	ND	8.2	14	280	
GEW-158	1/11/2021	32	44	ND	8.4	13	210	
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-160	1/6/2021	29	34	2.2	24	10.0	140	
GEW-160	2/11/2021	30	36	1.4	22	10	140	
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
GEW-161	12/22/2020	12	48	ND	6.8	31	520	
GEW-161	1/6/2021	12	46	1.9	9.2	31	610	
GEW-161	2/11/2021	15	47	ND	8.7	29	600	
GEW-162	10/14/2020	16	62	ND	10.0	11	410	

Laboratory Analysis - Bridgeton Landfill

Well Name	Date Sampled	Methane	CO ₂	O ₂ /Argon	Nitrogen	Hydrogen	Carbon Monoxide	Comments
							(%)	
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-162	1/6/2021	19	59	1.5	7.0	13	360	
GEW-162	2/11/2021	21	62	ND	4.7	12	370	
GEW-163	10/8/2020	26	44	ND	27	0.95	42	
GEW-163	1/11/2021	24	39	4.0	33	0.16	ND	
GEW-164	10/8/2020	35	49	ND	15	ND	ND	
GEW-164	1/11/2021	36	50	ND	12	ND	ND	
GEW-165	10/8/2020	20	43	4.6	25	7.1	210	
GEW-165	1/13/2021	24	50	3.6	15	6.6	160	
GEW-166	10/8/2020	2.0	57	ND	ND	37	2,100	
GEW-166	1/13/2021	2.4	57	ND	3.6	35	2,000	
GEW-167	10/8/2020	16	45	ND	7.7	30	1,100	
GEW-167	1/13/2021	9.0	47	ND	5.6	37	1,400	
GEW-168	10/9/2020	40	51	ND	4.6	2.4	52	
GEW-168	1/13/2021	45	48	ND	4.9	0.11	ND	
GEW-169	10/9/2020	24	49	ND	14	11	450	
GEW-169	1/13/2021	33	53	ND	3.6	9.7	400	
GEW-170	10/9/2020	9.7	34	6.2	38	12	570	See Note 4
GEW-170	1/14/2021	12	33	6.6	37	11	450	See Note 4
GEW-171	10/9/2020	22	56	3.3	13	5.1	230	
GEW-171	1/14/2021	24	43	6.2	25	1.6	85	See Note 4
GEW-172	10/9/2020	25	44	2.8	10.0	18	560	
GEW-172	1/14/2021	14	46	3.3	11	25	950	
GEW-174	10/9/2020	15	38	ND	31	15	340	
GEW-174	1/15/2021	4.5	37	5.6	20	33	800	See Note 4
GEW-175	10/9/2020	30	39	2.9	27	1.8	72	
GEW-175	1/11/2021	21	21	7.0	50	0.50	70	See Note 4
GEW-177	10/9/2020	17	46	3.2	20	13	660	
GEW-177	1/14/2021	14	41	4.3	27	13	710	
GEW-178	10/9/2020	33	35	4.0	27	ND	ND	
GEW-178	1/13/2021	46	47	ND	5.9	ND	ND	
GEW-179	10/9/2020	36	39	ND	24	ND	ND	
GEW-179	1/13/2021	46	51	ND	ND	ND	ND	
GEW-180	10/12/2020	36	54	1.7	7.4	ND	ND	
GEW-180	1/13/2021	38	54	1.8	6.3	ND	ND	
GEW-181	10/9/2020	26	63	ND	9.5	ND	ND	
GEW-181	1/14/2021	26	61	2.9	10	ND	ND	
GEW-185	10/8/2020	41	55	ND	3.3	ND	ND	
GEW-185	1/11/2021	36	50	ND	13	ND	ND	
GEW-186	10/9/2020	25	32	4.4	37	0.63	36	
GEW-186	1/14/2021	37	45	2.7	15	0.27	ND	
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-187	1/6/2021	43	49	ND	5.0	1.2	ND	
GEW-187	2/11/2021	46	51	ND	ND	1.3	ND	
GEW-217	10/9/2020	14	50	ND	3.6	29	410	
GEW-217	1/13/2021	6.4	47	2.7	9.2	34	400	
GEW-218	10/12/2020	24	45	1.8	16	13	360	
GEW-218	1/13/2021	31	46	ND	6.6	15	270	
GEW-220	10/12/2020	34	44	ND	12	7.7	260	
GEW-220	1/13/2021	20	48	ND	ND	29	430	
GEW-221	10/12/2020	29	50	3.1	17	1.5	33	
GEW-221	1/14/2021	20	53	ND	ND	24	350	

Laboratory Analysis - Bridgeton Landfill

Well Name	Date Sampled	Methane	CO ₂	O ₂ /Argon	Nitrogen	Hydrogen	Carbon Monoxide	Comments
							(%)	
GEW-222	10/12/2020	49	42	ND	6.0	1.7	41	
GEW-222	1/14/2021	47	39	2.7	9.3	2.0	58	
GEW-223	10/9/2020	32	64	ND	ND	0.55	140	
GEW-223	1/14/2021	28	60	2.3	8.0	1.3	210	
GEW-224	10/9/2020	34	58	ND	4.4	3.3	290	
GEW-224	1/14/2021	33	52	2.7	9.7	2.3	200	
GEW-225	10/9/2020	21	49	ND	5.6	23	1,100	
GEW-225	1/14/2021	29	42	2.6	9.6	17	400	
GEW-226	10/9/2020	33	41	ND	8.4	15	530	
GEW-226	1/15/2021	37	45	ND	ND	15	510	
GEW-227	10/7/2020	6.4	32	4.7	39	18	310	
GEW-227	1/8/2021	6.8	33	4.5	33	22	430	
GEW-228	10/7/2020	3.2	23	6.7	54	13	160	See Note 4
GEW-228	1/8/2021	1.9	9.0	15	71	2.7	39	See Note 4
GEW-229	10/7/2020	2.7	23	2.4	69	2.7	87	
GEW-229	1/8/2021	1.4	13	8.1	77	0.61	ND	See Note 4
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-232	1/7/2021	25	55	ND	8.7	10.0	220	
GEW-233	10/7/2020	4.2	27	6.4	52	10	220	See Note 4
GEW-233	1/8/2021	2.2	27	7.3	46	17	390	See Note 4
GEW-234	10/12/2020	1.1	50	2.3	9.6	35	1,100	
GEW-234	1/11/2021	11	43	ND	21	23	620	
GEW-235	10/8/2020	28	51	ND	8.9	11	210	
GEW-235	1/11/2021	27	48	1.5	12	11	210	
GEW-236	10/7/2020	2.1	38	3.2	14	40	270	
GEW-236	1/15/2021	1.2	45	ND	ND	49	310	
GEW-237	10/9/2020	37	45	1.6	13	2.1	69	
GEW-237	1/11/2021	50	45	ND	ND	2.2	54	
GEW-238	10/7/2020	15	59	ND	6.9	18	400	
GEW-238	1/7/2021	11	56	1.5	9.4	22	520	
GEW-239	10/5/2020	0.25	7.2	19	66	7.9	130	See Note 3
GEW-239	1/7/2021	1.4	47	ND	3.5	46	800	
GEW-240	10/9/2020	6.9	33	ND	42	16	310	
GEW-240	1/15/2021	21	33	ND	29	15	270	
GEW-241	10/27/2020	35	36	4.7	23	ND	ND	
GEW-241	1/13/2021	35	39	3.8	21	0.036	ND	
GEW-242	10/27/2020	43	48	ND	4.1	4.1	200	
GEW-242	1/15/2021	19	49	ND	4.4	26	420	
GEW-243	10/27/2020	41	50	ND	7.4	0.13	140	
GEW-243	1/13/2021	19	66	ND	3.3	10	560	
GEW-244	10/27/2020	2.1	2.1	21	75	ND	ND	See Note 4
GEW-244	1/13/2021	23	56	ND	4.7	14	400	
GEW-245	10/27/2020	30	46	ND	22	0.50	49	
GEW-245	1/11/2021	21	63	ND	3.8	11	760	
GEW-246	10/27/2020	48	46	ND	2.8	2.1	69	
GEW-246	1/7/2021	17	54	ND	4.6	23	560	
GEW-247	10/27/2020	41	43	ND	2.9	13	220	
GEW-247	1/11/2021	36	43	ND	3.7	17	350	
GEW-248	10/27/2020	10	22	7.5	56	3.7	160	See Note 4
GEW-248	1/15/2021	7.1	27	4.7	46	15	380	
GEW-249	10/27/2020	29	44	4.6	21	2.0	99	
GEW-249	1/11/2021	38	55	ND	ND	3.7	88	
GEW-250	10/27/2020	0.45	17	11	69	2.3	110	See Note 4
GEW-250	1/8/2021	0.65	20	10	59	9.1	150	See Note 4
GEW-251	1/7/2021	5.8	47	ND	15	30	440	
GEW-252	10/27/2020	38	44	ND	3.2	13	200	
GEW-252	1/13/2021	28	48	ND	ND	21	210	

Laboratory Analysis - Bridgeton Landfill

Well Name	Date Sampled	Methane	CO ₂	O ₂ /Argon	Nitrogen	Hydrogen	Carbon Monoxide	Comments
							(%)	
GEW-253	10/27/2020	6.1	17	10	63	3.6	120	See Note 4
GEW-253	1/8/2021	2.4	16	11	62	7.9	160	See Note 4
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-01	1/6/2021	31	53	ND	6.1	9.1	240	
GIW-01	2/8/2021	29	51	1.6	8.4	9.2	250	
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-02	1/6/2021	13	55	1.6	16	15	490	
GIW-02	2/8/2021	16	57	ND	12	13	440	
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-03	1/6/2021	23	43	1.7	20	12	290	
GIW-03	2/8/2021	23	42	2.0	21	12	310	
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-04	1/6/2021	25	43	1.9	8.7	22	400	
GIW-04	2/8/2021	24	40	2.5	8.8	24	500	
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-05	1/6/2021	33	37	1.8	18	9.8	100	
GIW-05	2/9/2021	33	37	1.9	18	9.4	110	
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-06	1/6/2021	36	37	2.1	22	3.5	ND	
GIW-06	2/9/2021	3.0	50	1.4	5.0	40	230	
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-07	1/6/2021	49	45	ND	5.0	ND	ND	
GIW-07	2/9/2021	46	43	2.2	8.9	0.21	ND	
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-08	1/6/2021	48	42	ND	9.2	ND	ND	
GIW-08	2/10/2020	49	41	ND	8.4	ND	ND	
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-09	1/6/2021	35	39	ND	16	8.2	61	
GIW-09	2/10/2021	39	40	ND	11	9.2	71	
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-10	1/6/2021	30	32	ND	30	7.1	78	

Laboratory Analysis - Bridgeton Landfill

Well Name	Date Sampled	Methane	CO ₂	O ₂ /Argon	Nitrogen	Hydrogen	Carbon Monoxide	Comments
							(ppm)	
(%)								
GIW-10	2/10/2021	32	34	ND	25	7.8	93	
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-11	1/6/2021	27	30	2.5	39	2.1	140	
GIW-11	2/10/2021	34	34	ND	24	6.5	75	
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-12	1/6/2021	34	35	2.0	26	2.6	52	
GIW-12	2/10/2021	32	36	2.1	26	3.6	74	
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	
GIW-13	1/6/2021	43	45	ND	6.8	4.1	42	
GIW-13	2/10/2021	45	45	ND	4.2	5.6	41	

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.

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

ATTACHMENT C-2

LABORATORY ANALYSES REPORTS



February 26, 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: M021805-01/49

Enclosed are results for sample(s) received 2/18/21 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 2/21/21 (M021805-10), 2/22/21 (M021805-01/17), 2/23/21 (M021805-18/25) and 2/25/21 (M021805-01/49).

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 "m. johnson".

Mark Johnson
Operations Manager
MJohnson@AirTechLabs.com

Enclosures

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



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

CHAIN OF CUSTODY RECORD

TURNAROUND TIME	DELIVERABLES	PAGE: 1 OF 6
Standard <input type="checkbox"/> 48 hours <input 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

P.O. No.: PO7112802

Bill to: Republic Services
Attn: Mike Lambrich

13570 St. Charles Rock Rd.
Bridgeton, MO 63044

LAB USE ONLY	Cannister Pressure ("hg)			SAMPLE IDENTIFICATION	SAMPLE DATE	SAMPLE TIME	CONTAINER QTY/TYPE	MATRIX	PRESERVATION	D1946 + CO, H2	ANALYSIS REQUEST						
	Cannister ID	Sample Start	Sample End														
MD21805-01	O1418	-22.3	-5	GEW 2S	2/8/2021	9:32	C	LFG	NA	X						initial vac "Hg	3
-02	O1427	-22.2	-5	GEW 44	2/8/2021	10:02	C	LFG	NA	X							3
-03	O1403	-21.9	-5	GEW 49	2/8/2021	10:15	C	LFG	NA	X							3
-04	O1414	-21.9	-5	GEW 7	2/8/2021	10:32	C	LFG	NA	X							3
-05	O1424	-22	-5	GEW 8	2/8/2021	10:46	C	LFG	NA	X							3
-06	O1417	-22.2	-5	GEW 9	2/8/2021	11:06	C	LFG	NA	X							3
-07	O1406	-21.9	-5	GEW 50	2/8/2021	11:27	C	LFG	NA	X							3
-08	J1717	-21.1	-5	GEW 52	2/8/2021	13:24	C	LFG	NA	X							3
-09	3828	-21.4	-5	GEW 51	2/8/2021	13:36	C	LFG	NA	X							3
-10	4644	-21.5	-5	GEW 53	2/8/2021	13:50	C	LFG	NA	X							3

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

SAMPLED BY: Andy Guthrie **COMPANY:** Hunt Environmental Specialist **DATE/TIME:** 02/08/2021

RELINQUISHED BY: <i>Andy Guthrie</i> DATE/TIME: 2-17-2021	RECEIVED BY: _____ DATE/TIME: _____
RELINQUISHED BY: <i>Pen</i> DATE/TIME: 2/18/21	RECEIVED BY: <i>J. ...</i> DATE/TIME: 2/18/21 1115
RELINQUISHED BY: _____ DATE/TIME: _____	RECEIVED BY: _____ DATE/TIME: _____

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

COMMENTS



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: 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 "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				
	Cannister ID	Sample Start	Sample End											
M021805-11	A7778	-21.1	-5	GEW 54	2/8/2021	14:02	C	LFG	NA	X				3
-12	A8050	-21.4	-5	GEW 55	2/8/2021	14:14	C	LFG	NA	X				3
-13	A7666	-21.3	-5	GEW 40	2/8/2021	14:24	C	LFG	NA	X				3
-14	R2490	-21.7	-5	GEW 41R	2/9/2021	10:01	C	LFG	NA	X				3
-15	R5209	-21.6	-5	GEW 43R	2/9/2021	10:40	C	LFG	NA	X				1.5
-16	5834	-21.7	-5	GEW 5	2/9/2021	11:04	C	LFG	NA	X				3
-17	A7800	-21.7	-5	GEW 48	2/9/2021	11:15	C	LFG	NA	X				3
-18	A8078	-21.2	-5	GEW 6	2/9/2021	11:28	C	LFG	NA	X				3
-19	A8099	-20.5	-5	GEW 47R	2/9/2021	11:47	C	LFG	NA	X				3
-20	A7792	-20.3	-5	GEW 46R	2/9/2021	13:18	C	LFG	NA	X				3

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

SAMPLED BY: Andy Guthrie **COMPANY:** Hunt Environmental Specialist **DATE/TIME:** 02/09/2021

RELINQUISHED BY: <i>Andy Guthrie</i> DATE/TIME: 2-17-2021	RECEIVED BY: _____ DATE/TIME: _____
RELINQUISHED BY: <i>FEI</i> DATE/TIME: 2/18/21	RECEIVED BY: <i>D-M-J</i> DATE/TIME: 2/18/21 11:05
RELINQUISHED BY: _____ DATE/TIME: _____	RECEIVED BY: _____ DATE/TIME: _____

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

COMMENTS



CHAIN OF CUSTODY RECORD

TURNAROUND TIME		DELIVERABLES	PAGE: 3 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:	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 "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	PRESERVA-TION	D1946 + CO, H2	ANALYSIS REQUEST				
	Cannister ID	Sample Start	Sample End												
M021805-21	A7820	-21.6	-5	GEW 45R	2/9/2021	13:30	C	LFG	NA	X					3
-22	6160	-21.5	-5	GEW 2	2/9/2021	13:44	C	LFG	NA	X					3
-23	A8075	-21.5	-5	GEW 3	2/9/2021	13:58	C	LFG	NA	X					3
-24	A7766	-21.3	-5	GEW 4	2/9/2021	14:09	C	LFG	NA	X					3
-25	3837	-22.4	-5	GEW 42R	2/11/2021	9:24	C	LFG	NA	X					3

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

SAMPLED BY: Andy Guthrie **COMPANY:** Hunt Environmental Specialist **DATE/TIME:** 02/11/2021

RELINQUISHED BY: <i>Andy Guthrie</i>	DATE/TIME: 2-17-2021	RECEIVED BY:	DATE/TIME:
RELINQUISHED BY: <i>Fel Ex</i>	DATE/TIME: 2/18/21	RECEIVED BY: <i>JMF</i>	DATE/TIME: 2/18/21
RELINQUISHED BY:	DATE/TIME:	RECEIVED BY:	DATE/TIME:

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

COMMENTS



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: 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: MIambrich@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 ₂ H ₂						
	Cannister ID	Sample Start	Sample End													
M021805-26	A7773	-22	-5	GIW 1	2/8/2021	9:26	C	LFG	NA	X						3
-27	A7781	-22	-5	GIW 2	2/8/2021	9:37	C	LFG	NA	X						3
-28	R1158	-21.7	-5	GIW 3	2/8/2021	9:47	C	LFG	NA	X						2
-29	N3701	-21.8	-5	GIW 4	2/8/2021	10:11	C	LFG	NA	X						3
-30	R5203	-21.4	-5	GIW 5	2/9/2021	13:51	C	LFG	NA	X						3
-31	A8067	-21.1	-5	GIW 6	2/9/2021	14:01	C	LFG	NA	X						2.5
-32	5904	-21	-5	GIW 7	2/9/2021	14:10	C	LFG	NA	X						2.5
-33	N3684	-21.3	-5	GIW 8	2/10/2021	9:09	C	LFG	NA	X						2.5
-34	A7662	-21.1	-5	GIW 9	2/10/2021	9:28	C	LFG	NA	X						3
-35	A7671	-21.5	-5	GIW 10	2/10/2021	9:38	C	LFG	NA	X						2.5

AUTHORIZATION TO PERFORM WORK: Dave Penoyer COMPANY: Republic Services

SAMPLED BY: Steven Romaine COMPANY: Hunt Environmental Specialist DATE/TIME

RELINQUISHED BY: *Steven Romaine* DATE/TIME: 2/17/21 RECEIVED BY: _____ DATE/TIME: _____

RELINQUISHED BY: *FEI EX* DATE/TIME: 2/18/21 RECEIVED BY: *[Signature]* DATE/TIME: 2/19/21 1105

RELINQUISHED BY: _____ DATE/TIME: _____ RECEIVED BY: _____ DATE/TIME: _____

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

COMMENTS

in-trial vac 4Hg



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

CHAIN OF CUSTODY RECORD

TURNAROUND TIME

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

DELIVERABLES

EDD
 EDF
 Level 3
 Level 4

PAGE: 5 OF 6

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

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

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

ANALYSIS REQUEST

LAB USE ONLY	Cannister Pressure ("hg)			SAMPLE IDENTIFICATION	SAMPLE DATE	SAMPLE TIME	CONTAINER QTY/TYPE	MATRIX	PRESERVATION	D1946 + CO, H2	ANALYSIS REQUEST				initial v ac "Hg
	Cannister ID	Sample Start	Sample End												
M021805-30	A7654	-21.6	-5	GIW 11	2/10/2021	10:25	C	LFG	NA	X					2
-37	5315	-21.9	-5	GIW 12	2/10/2021	10:36	C	LFG	NA	X					2
-78	A8070	-21.8	-5	GIW 13	2/10/2021	10:47	C	LFG	NA	X					2.5
-39	N3687	-21.6	-5	GEW 110	2/10/2021	10:56	C	LFG	NA	X					2
-40	R5198	-21.5	-5	GEW 56R	2/10/2021	11:40	C	LFG	NA	X					2
-41	A7805	-21.6	-5	GEW 39	2/10/2021	11:52	C	LFG	NA	X					2.5
-42	3826	-21.9	-5	GEW 109	2/11/2021	9:50	C	LFG	NA	X					2.5
-43	R1348	-21.6	-5	GEW 108	2/11/2021	10:01	C	LFG	NA	X					2
-44	A8103	-21.5	-5	GEW 187	2/11/2021	10:20	C	LFG	NA	X					2
-45	5825	-21.6	-5	GEW 10	2/11/2021	10:37	C	LFG	NA	X					2

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

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

RELINQUISHED BY: *Steven Romaine* **DATE/TIME:** 2/17/21 **RECEIVED BY:** **DATE/TIME**

RELINQUISHED BY: *Jim Ex* **DATE/TIME:** 2/18/21 **RECEIVED BY:** *Jim Ex* **DATE/TIME:** 2/18/21 11:15

RELINQUISHED BY: **DATE/TIME:** **RECEIVED BY:** **DATE/TIME:**

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

COMMENTS



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

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												
M021805-46	A8068	-21.3	-5	GEW 162	2/11/2021	11:25	C	LFG	NA	X					2.5
-47	R2207	-21.6	-5	GEW 161	2/11/2021	11:34	C	LFG	NA	X					2.5
-48	R2202	-21.3	-5	GEW 160	2/11/2021	11:43	C	LFG	NA	X					2.5
-49	A8066	-21	-5	GEW 91	2/11/2021	11:52	C	LFG	NA	X					3

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

SAMPLED BY: Steven Romaine **COMPANY:** Hunt Environmental Specialist **DATE/TIME:** _____

RELINQUISHED BY: <i>Steven Romaine</i>	DATE/TIME: 2/11/21	RECEIVED BY: _____	DATE/TIME: _____
RELINQUISHED BY: <i>FedEx</i>	DATE/TIME: 2/18/21	RECEIVED BY: <i>[Signature]</i>	DATE/TIME: 2/18/21 11:15
RELINQUISHED BY: _____	DATE/TIME: _____	RECEIVED BY: _____	DATE/TIME: _____

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

COMMENTS

initial vac "Hg

Client: Republic Services
Attn: Mike Lambrich
Project Name: Bridgeton Landfill
Project No.: NA
Date Received: 02/18/21
Matrix: Air
Reporting Units: % v/v

ASTM D1946

Lab No.:	M021805-01	M021805-02	M021805-03	M021805-04				
Client Sample I.D.:	GEW 2S	GEW 44	GEW 49	GEW 7				
Date/Time Sampled:	2/8/21 9:32	2/8/21 10:02	2/8/21 10:15	2/8/21 10:32				
Date/Time Analyzed:	2/22/21 10:21	2/22/21 10:44	2/22/21 10:58	2/22/21 11:13				
QC Batch No.:	210222GC8A1	210222GC8A1	210222GC8A1	210222GC8A1				
Analyst Initials:	CM	CM	CM	CM				
Dilution Factor:	2.8	2.8	2.8	2.8				
ANALYTE	Result % v/v	RL % v/v	Result % v/v	RL % v/v	Result % v/v	RL % v/v	Result % v/v	RL % v/v
Hydrogen	ND d	0.028	ND d	0.028	ND d	0.028	ND d	0.028
Carbon Dioxide	38	0.028	37	0.028	40	0.028	41	0.028
Oxygen/Argon	ND	1.4	ND	1.4	ND	1.4	ND	1.4
Nitrogen	5.9	2.8	18	2.8	9.0	2.8	5.3	2.8
Methane	55	0.0028	44	0.0028	50	0.0028	53	0.0028
Carbon Monoxide	ND	0.0028	ND	0.0028	ND	0.0028	ND	0.0028

Results normalized including non-methane hydrocarbons

ND = Not Detected (below RL)

RL = Reporting Limit

d = Analyzed by secondary analysis, batch umber 210223GC8A1

Reviewed/Approved By: 
Mark Johnson
Operations Manager

Date 2-25-21

The cover letter is an integral part of this analytical report



Client: Republic Services
Attn: Mike Lambrich
Project Name: Bridgeton Landfill
Project No.: NA
Date Received: 02/18/21
Matrix: Air
Reporting Units: % v/v

ASTM D1946

Lab No.:	M021805-05	M021805-06	M021805-07	M021805-08				
Client Sample I.D.:	GEW 8	GEW 9	GEW 50	GEW 52				
Date/Time Sampled:	2/8/21 10:46	2/8/21 11:06	2/8/21 11:27	2/8/21 13:24				
Date/Time Analyzed:	2/22/21 11:27	2/22/21 11:42	2/22/21 11:56	2/22/21 12:11				
QC Batch No.:	210222GC8A1	210222GC8A1	210222GC8A1	210222GC8A1				
Analyst Initials:	CM	CM	CM	CM				
Dilution Factor:	2.8	2.8	2.8	2.8				
ANALYTE	Result % v/v	RL % v/v	Result % v/v	RL % v/v	Result % v/v	RL % v/v	Result % v/v	RL % v/v
Hydrogen	1.1 d	0.028	0.68 d	0.028	ND d	0.028	ND d	0.028
Carbon Dioxide	43	0.028	42	0.028	38	0.028	38	0.028
Oxygen/Argon	ND	1.4	ND	1.4	ND	1.4	ND	1.4
Nitrogen	4.4	2.8	7.8	2.8	14	2.8	13	2.8
Methane	51	0.0028	49	0.0028	48	0.0028	47	0.0028
Carbon Monoxide	ND	0.0028	ND	0.0028	ND	0.0028	ND	0.0028

Results normalized including non-methane hydrocarbons

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Reviewed/Approved By: 
 Mark Johnson
 Operations Manager

Date: 2-25-21

The cover letter is an integral part of this analytical report



Client: Republic Services
 Attn: Mike Lambrich
 Project Name: Bridgeton Landfill
 Project No.: NA
 Date Received: 02/18/21
 Matrix: Air
 Reporting Units: % v/v

ASTM D1946

Lab No.:	M021805-09	M021805-10	M021805-11	M021805-12				
Client Sample I.D.:	GEW 51	GEW 53	GEW 54	GEW 55				
Date/Time Sampled:	2/8/21 13:36	2/8/21 13:50	2/8/21 14:02	2/8/21 14:14				
Date/Time Analyzed:	2/22/21 12:25	2/21/21 11:25	2/22/21 12:40	2/22/21 12:54				
QC Batch No.:	210222GC8A1	210221GC8A1	210222GC8A1	210222GC8A1				
Analyst Initials:	CM	VM	CM	CM				
Dilution Factor:	2.8	2.9	2.8	2.8				
ANALYTE	Result	RL	Result	RL	Result	RL	Result	RL
	% v/v	% v/v	% v/v	% v/v	% v/v	% v/v	% v/v	% v/v
Hydrogen	1.6 d	0.028	4.3	2.9	1.5 d	0.028	1.4 d	0.028
Carbon Dioxide	44	0.028	43	0.029	43	0.028	43	0.028
Oxygen/Argon	ND	1.4	ND	1.4	ND	1.4	ND	1.4
Nitrogen	ND	2.8	6.1	2.9	4.0	2.8	4.9	2.8
Methane	52	0.0028	46	0.0029	51	0.0028	50	0.0028
Carbon Monoxide	ND	0.0028	0.0058	0.0029	ND	0.0028	ND	0.0028

Results normalized including non-methane hydrocarbons

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Reviewed/Approved By: 
 Mark Johnson
 Operations Manager

Date 2-25-21

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Client: Republic Services
Attn: Mike Lambrich
Project Name: Bridgeton Landfill
Project No.: NA
Date Received: 02/18/21
Matrix: Air
Reporting Units: % v/v

ASTM D1946

Lab No.:	M021805-13	M021805-14	M021805-15	M021805-16				
Client Sample I.D.:	GEW 40	GEW 41R	GEW 43R	GEW 5				
Date/Time Sampled:	2/8/21 14:24	2/9/21 10:01	2/9/21 10:40	2/9/21 11:04				
Date/Time Analyzed:	2/22/21 13:09	2/22/21 13:23	2/22/21 13:38	2/22/21 13:52				
QC Batch No.:	210222GC8A1	210222GC8A1	210222GC8A1	210222GC8A1				
Analyst Initials:	CM	CM	CM	CM				
Dilution Factor:	2.8	2.8	2.6	2.8				
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	ND d	0.028	ND d	0.028	0.11 d	0.026	ND d	0.028
Carbon Dioxide	35	0.028	34	0.028	41	0.026	37	0.028
Oxygen/Argon	ND	1.4	ND	1.4	ND	1.3	ND	1.4
Nitrogen	5.2	2.8	17	2.8	7.7	2.6	15	2.8
Methane	59	0.0028	49	0.0028	50	0.0026	47	0.0028
Carbon Monoxide	ND	0.0028	ND	0.0028	ND	0.0026	ND	0.0028

Results normalized including non-methane hydrocarbons

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Reviewed/Approved By: 
 Mark Johnson
 Operations Manager

Date: 2-25-21

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Client: Republic Services
Attn: Mike Lambrich
Project Name: Bridgeton Landfill
Project No.: NA
Date Received: 02/18/21
Matrix: Air
Reporting Units: % v/v

ASTM D1946

Lab No.:	M021805-17	M021805-18	M021805-19	M021805-20				
Client Sample I.D.:	GEW 48	GEW 6	GEW 47R	GEW 46R				
Date/Time Sampled:	2/9/21 11:15	2/9/21 11:28	2/9/21 11:47	2/9/21 13:18				
Date/Time Analyzed:	2/22/21 14:07	2/22/21 14:22	2/22/21 14:36	2/22/21 14:51				
QC Batch No.:	210222GC8A1	210222GC8A1	210222GC8A1	210222GC8A1				
Analyst Initials:	CM	CM	CM	CM				
Dilution Factor:	2.8	2.8	2.8	2.8				
ANALYTE	Result % v/v	RL % v/v	Result % v/v	RL % v/v	Result % v/v	RL % v/v	Result % v/v	RL % v/v
Hydrogen	ND d	0.028	ND d	0.028	ND d	0.028	0.039 d	0.028
Carbon Dioxide	40	0.028	37	0.028	36	0.028	36	0.028
Oxygen/Argon	ND	1.4	ND	1.4	3.4	1.4	2.3	1.4
Nitrogen	8.5	2.8	12	2.8	17	2.8	17	2.8
Methane	51	0.0028	49	0.0028	43	0.0028	45	0.0028
Carbon Monoxide	ND	0.0028	ND	0.0028	ND	0.0028	ND	0.0028

Results normalized including non-methane hydrocarbons

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d = Analyzed by secondary analysis, batch umber 210223GC8A1

Reviewed/Approved By: 
 Mark Johnson
 Operations Manager

Date 2-25-21

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Client: Republic Services
Attn: Mike Lambrich
Project Name: Bridgeton Landfill
Project No.: NA
Date Received: 02/18/21
Matrix: Air
Reporting Units: % v/v

ASTM D1946

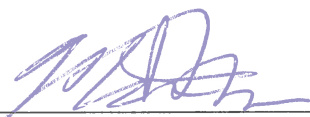
Lab No.:	M021805-21	M021805-22	M021805-23	M021805-24				
Client Sample I.D.:	GEW 45R	GEW 2	GEW 3	GEW 4				
Date/Time Sampled:	2/9/21 13:30	2/9/21 13:44	2/9/21 13:58	2/9/21 14:09				
Date/Time Analyzed:	2/22/21 16:33	2/22/21 16:47	2/22/21 17:02	2/22/21 17:16				
QC Batch No.:	210222GC8A2	210222GC8A2	210222GC8A2	210222GC8A2				
Analyst Initials:	CM	CM	CM	CM				
Dilution Factor:	2.8	2.8	2.8	2.8				
ANALYTE	Result % v/v	RL % v/v	Result % v/v	RL % v/v	Result % v/v	RL % v/v	Result % v/v	RL % v/v
Hydrogen	ND d	0.028	ND d	0.028	ND d	0.028	0.049 d	0.028
Carbon Dioxide	38	0.028	38	0.028	42	0.028	40	0.028
Oxygen/Argon	ND	1.4	ND	1.4	ND	1.4	ND	1.4
Nitrogen	13	2.8	14	2.8	5.0	2.8	9.2	2.8
Methane	49	0.0028	47	0.0028	52	0.0028	50	0.0028
Carbon Monoxide	ND	0.0028	ND	0.0028	ND	0.0028	ND	0.0028

Results normalized including non-methane hydrocarbons

ND = Not Detected (below RL)

RL = Reporting Limit

d = Analyzed by secondary analysis, batch number 210223GC8A2

Reviewed/Approved By: 
 Mark Johnson
 Operations Manager

Date: 2-25-21

The cover letter is an integral part of this analytical report



Client: Republic Services
Attn: Mike Lambrich
Project Name: Bridgeton Landfill
Project No.: NA
Date Received: 02/18/21
Matrix: Air
Reporting Units: % v/v

ASTM D1946

Lab No.:	M021805-25						
Client Sample I.D.:	GEW 42R						
Date/Time Sampled:	2/11/21 9:24						
Date/Time Analyzed:	2/22/21 17:31						
QC Batch No.:	210222GC8A2						
Analyst Initials:	CM						
Dilution Factor:	2.7						
ANALYTE	Result % v/v	RL % v/v					
Hydrogen	ND d	0.027					
Carbon Dioxide	42	0.027					
Oxygen/Argon	ND	1.3					
Nitrogen	ND	2.7					
Methane	56	0.0027					
Carbon Monoxide	ND	0.0027					

Results normalized including non-methane hydrocarbons

ND = Not Detected (below RL)

RL = Reporting Limit

d = Analyzed by secondary analysis, batch number 210223GC8A2

Reviewed/Approved By: 
Mark Johnson
Operations Manager

Date 2-25-21

The cover letter is an integral part of this analytical report



Client: Republic Services
Attn: Mike Lambrich
Project Name: Bridgeton Landfill
Project No.: NA
Date Received: 02/18/21
Matrix: Air
Reporting Units: % v/v


ASTM D1946

Lab No.:	M021805-26	M021805-27	M021805-28	M021805-29				
Client Sample I.D.:	GIW 1	GIW 2	GIW 3	GIW 4				
Date/Time Sampled:	2/8/21 9:26	2/8/21 9:37	2/8/21 9:47	2/8/21 10:11				
Date/Time Analyzed:	2/24/21 17:07	2/24/21 17:22	2/24/21 17:36	2/24/21 17:51				
QC Batch No.:	210224GC8A1	210224GC8A1	210224GC8A1	210224GC8A1				
Analyst Initials:	CM	CM	CM	CM				
Dilution Factor:	2.8	2.8	2.7	2.8				
ANALYTE	Result % v/v	RL % v/v	Result % v/v	RL % v/v	Result % v/v	RL % v/v	Result % v/v	RL % v/v
Hydrogen	9.2	2.8	13	2.8	12	2.7	24	2.8
Carbon Dioxide	51	0.028	57	0.028	42	0.027	40	0.028
Oxygen/Argon	1.6	1.4	ND	1.4	2.0	1.3	2.5	1.4
Nitrogen	8.4	2.8	12	2.8	21	2.7	8.8	2.8
Methane	29	0.0028	16	0.0028	23	0.0027	24	0.0028
Carbon Monoxide	0.025	0.0028	0.044	0.0028	0.031	0.0027	0.050	0.0028

Results normalized including non-methane hydrocarbons

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Reviewed/Approved By: 
Mark Johnson
Operations Manager

Date 2-25-21

The cover letter is an integral part of this analytical report



Client: Republic Services
Attn: Mike Lambrich
Project Name: Bridgeton Landfill
Project No.: NA
Date Received: 02/18/21
Matrix: Air
Reporting Units: % v/v

ASTM D1946

Lab No.:	M021805-30	M021805-31	M021805-32	M021805-33				
Client Sample I.D.:	GIW 5	GIW 6	GIW 7	GIW 8				
Date/Time Sampled:	2/9/21 13:51	2/9/21 14:01	2/9/21 14:10	2/10/21 9:09				
Date/Time Analyzed:	2/24/21 18:05	2/24/21 18:20	2/24/21 18:34	2/24/21 18:49				
QC Batch No.:	210224GC8A1	210224GC8A1	210224GC8A1	210224GC8A1				
Analyst Initials:	CM	CM	CM	CM				
Dilution Factor:	2.8	2.7	2.7	2.7				
ANALYTE	Result % v/v	RL % v/v	Result % v/v	RL % v/v	Result % v/v	RL % v/v	Result % v/v	RL % v/v
Hydrogen	9.4	2.8	40	2.7	0.21 d	0.027	ND d	0.027
Carbon Dioxide	37	0.028	50	0.027	43	0.027	41	0.027
Oxygen/Argon	1.9	1.4	1.4	1.4	2.2	1.4	ND	1.4
Nitrogen	18	2.8	5.0	2.7	8.9	2.7	8.4	2.7
Methane	33	0.0028	3.0	0.0027	46	0.0027	49	0.0027
Carbon Monoxide	0.011	0.0028	0.023	0.0027	ND	0.0027	ND	0.0027

Results normalized including non-methane hydrocarbons

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d = Analyzed by secondary analysis, batch number 210223GC8A2

Reviewed/Approved By: 
Mark Johnson
Operations Manager

Date 2-25-21

The cover letter is an integral part of this analytical report



Client: Republic Services
Attn: Mike Lambrich
Project Name: Bridgeton Landfill
Project No.: NA
Date Received: 02/18/21
Matrix: Air
Reporting Units: % v/v

ASTM D1946

Lab No.:	M021805-34	M021805-35	M021805-36	M021805-37				
Client Sample I.D.:	GIW 9	GIW 10	GIW 11	GIW 12				
Date/Time Sampled:	2/10/21 9:28	2/10/21 9:38	2/10/21 10:25	2/10/21 10:36				
Date/Time Analyzed:	2/24/21 19:03	2/24/21 19:18	2/24/21 19:32	2/25/21 10:49				
QC Batch No.:	210224GC8A1	210224GC8A1	210224GC8A1	210225GC8A1				
Analyst Initials:	CM	CM	CM	CM				
Dilution Factor:	2.8	2.7	2.7	2.7				
ANALYTE	Result % v/v	RL % v/v	Result % v/v	RL % v/v	Result % v/v	RL % v/v	Result % v/v	RL % v/v
Hydrogen	9.2	2.8	7.8	2.7	6.5	2.7	3.6 d	0.027
Carbon Dioxide	40	0.028	34	0.027	34	0.027	36	0.027
Oxygen/Argon	ND	1.4	ND	1.4	ND	1.3	2.1	1.3
Nitrogen	11	2.8	25	2.7	24	2.7	26	2.7
Methane	39	0.0028	32	0.0027	34	0.0027	32	0.0027
Carbon Monoxide	0.0071	0.0028	0.0093	0.0027	0.0075	0.0027	0.0074	0.0027

Results normalized including non-methane hydrocarbons

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RL = Reporting Limit

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Reviewed/Approved By: 
 Mark Johnson
 Operations Manager

Date 2-25-21

The cover letter is an integral part of this analytical report



Client: Republic Services
Attn: Mike Lambrich
Project Name: Bridgeton Landfill
Project No.: NA
Date Received: 02/18/21
Matrix: Air
Reporting Units: % v/v

ASTM D1946

Lab No.:	M021805-38	M021805-39	M021805-40	M021805-41				
Client Sample I.D.:	GIW 13	GEW 110	GEW 56R	GEW 39				
Date/Time Sampled:	2/10/21 10:47	2/10/21 10:56	2/10/21 11:40	2/10/21 11:52				
Date/Time Analyzed:	2/25/21 11:03	2/25/21 11:18	2/25/21 11:32	2/24/21 23:10				
QC Batch No.:	210225GC8A1	210225GC8A1	210225GC8A1	210224GC8A2				
Analyst Initials:	CM	CM	CM	CM				
Dilution Factor:	2.7	2.7	2.7	2.7				
ANALYTE	Result % v/v	RL % v/v	Result % v/v	RL % v/v	Result % v/v	RL % v/v	Result % v/v	RL % v/v
Hydrogen	5.6	2.7	2.3 d	0.027	3.0 d	0.027	ND d	0.027
Carbon Dioxide	45	0.027	44	0.027	42	0.027	37	0.027
Oxygen/Argon	ND	1.4	1.6	1.3	ND	1.3	1.7	1.4
Nitrogen	4.2	2.7	5.9	2.7	6.6	2.7	22	2.7
Methane	45	0.0027	47	0.0027	48	0.0027	39	0.0027
Carbon Monoxide	0.0041	0.0027	0.0044	0.0027	0.0034	0.0027	ND	0.0027

Results normalized including non-methane hydrocarbons

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RL = Reporting Limit

d = Analyzed by secondary analysis, batch number 210223GC8A2, 210223GC8A3

Reviewed/Approved By: 
Mark Johnson
Operations Manager

Date 2-25-21

The cover letter is an integral part of this analytical report



Client: Republic Services
Attn: Mike Lambrich
Project Name: Bridgeton Landfill
Project No.: NA
Date Received: 02/18/21
Matrix: Air
Reporting Units: % v/v

ASTM D1946


Lab No.:	M021805-42	M021805-43	M021805-44	M021805-45				
Client Sample I.D.:	GEW 109	GEW 108	GEW 187	GEW 10				
Date/Time Sampled:	2/11/21 9:50	2/11/21 10:01	2/11/21 10:20	2/11/21 10:37				
Date/Time Analyzed:	2/24/21 23:24	2/24/21 23:39	2/24/21 23:53	2/25/21 0:08				
QC Batch No.:	210224GC8A2	210224GC8A2	210224GC8A2	210224GC8A2				
Analyst Initials:	CM	CM	CM	CM				
Dilution Factor:	2.7	2.7	2.7	2.7				
ANALYTE	Result % v/v	RL % v/v	Result % v/v	RL % v/v	Result % v/v	RL % v/v	Result % v/v	RL % v/v
Hydrogen	0.16 d	0.027	12	2.7	1.3 d	0.027	0.035 d	0.027
Carbon Dioxide	40	0.027	44	0.027	51	0.027	42	0.027
Oxygen/Argon	1.8	1.4	ND	1.3	ND	1.3	ND	1.3
Nitrogen	9.0	2.7	ND	2.7	ND	2.7	ND	2.7
Methane	49	0.0027	42	0.0027	46	0.0027	55	0.0027
Carbon Monoxide	ND	0.0027	0.016	0.0027	ND	0.0027	ND	0.0027

Results normalized including non-methane hydrocarbons

ND = Not Detected (below RL)

RL = Reporting Limit

d = Analyzed by secondary analysis, batch number 210223GC8A3

Reviewed/Approved By: 
Mark Johnson
Operations Manager

Date 2-25-21

The cover letter is an integral part of this analytical report



Client: Republic Services
Attn: Mike Lambrich
Project Name: Bridgeton Landfill
Project No.: NA
Date Received: 02/18/21
Matrix: Air
Reporting Units: % v/v


ASTM D1946

Lab No.:	M021805-46	M021805-47	M021805-48	M021805-49				
Client Sample I.D.:	GEW 162	GEW 161	GEW 160	GEW 91				
Date/Time Sampled:	2/11/21 11:25	2/11/21 11:34	2/11/21 11:43	2/11/21 11:52				
Date/Time Analyzed:	2/25/21 0:22	2/25/21 0:37	2/25/21 0:51	2/25/21 1:06				
QC Batch No.:	210224GC8A2	210224GC8A2	210224GC8A2	210224GC8A2				
Analyst Initials:	CM	CM	CM	CM				
Dilution Factor:	2.7	2.7	2.7	2.8				
ANALYTE	Result % v/v	RL % v/v	Result % v/v	RL % v/v	Result % v/v	RL % v/v	Result % v/v	RL % v/v
Hydrogen	12	2.7	29	2.7	10	2.7	42	2.8
Carbon Dioxide	62	0.027	47	0.027	36	0.027	48	0.028
Oxygen/Argon	ND	1.4	ND	1.4	1.4	1.4	ND	1.4
Nitrogen	4.7	2.7	8.7	2.7	22	2.7	4.3	2.8
Methane	21	0.0027	15	0.0027	30	0.0027	2.7	0.0028
Carbon Monoxide	0.037	0.0027	0.060	0.0027	0.014	0.0027	0.034	0.0028

Results normalized including non-methane hydrocarbons

ND = Not Detected (below RL)

RL = Reporting Limit

Reviewed/Approved By: 
Mark Johnson
Operations Manager

Date 2-25-21

The cover letter is an integral part of this analytical report



QC Batch No: 210221GC8A1
 Matrix: Air
 Reporting Units: % v/v

**ASTM D1946
 LABORATORY CONTROL SAMPLE SUMMARY**

Lab No.:	METHOD BLANK			LCS		LCSD					
Date Analyzed:	2/21/21 8:50			2/21/21 8:07		2/21/21 8:21					
Analyst Initials:	AS			AS		AS					
Dilution Factor:	1.0			1.0		1.0		Limits			
ANALYTE	Result % v/v	RL % v/v	SPIKE AMT. % v/v	Result % v/v	% Rec.	Result % v/v	% Rec.	RPD %	Low %Rec	High %Rec	Max. RPD
Hydrogen	ND	1.0	5.0	4.33	87	4.26	85	1.6	70	130	30
Carbon Dioxide	ND	0.010	10	8.76	87	8.73	87	0.3	70	130	30
Oxygen/Argon	ND	0.50	15	14.1	95	14.1	95	0.5	70	130	30
Nitrogen	ND	1.0	70	63.3	91	63.0	90	0.5	70	130	30
Methane	ND	0.0010	0.10	0.0964	96	0.0957	96	0.7	70	130	30
Carbon Monoxide	ND	0.0010	0.10	0.0949	95	0.0941	94	0.9	70	130	30

ND = Not Detected (below RL)

RL = Reporting Limit

Reviewed/Approved By: Mark Johnson Date 2/21/21
 Mark Johnson
 Operations Manager

The cover letter is an integral part of this analytical report


QC Batch No: 210222GC8A1
 Matrix: Air
 Reporting Units: % v/v

**ASTM D1946
 LABORATORY CONTROL SAMPLE SUMMARY**

Lab No.:	METHOD BLANK			LCS		LCSD					
Date Analyzed:	2/22/21 10:02			2/22/21 9:19		2/22/21 9:33					
Analyst Initials:	CM			CM		CM					
Dilution Factor:	1.0			1.0		1.0		Limits			
ANALYTE	Result % v/v	RL % v/v	SPIKE AMT. % v/v	Result % v/v	% Rec.	Result % v/v	% Rec.	RPD %	Low %Rec	High %Rec	Max. RPD
Hydrogen	ND	1.0	5.0	5.78	116	5.79	116	0.1	70	130	30
Carbon Dioxide	ND	0.010	10	10.6	106	10.4	104	2.1	70	130	30
Oxygen/Argon	ND	0.50	15	15.0	101	15.3	103	2.0	70	130	30
Nitrogen	ND	1.0	70	68.9	99	69.9	100	1.4	70	130	30
Methane	ND	0.0010	0.10	0.101	101	0.101	101	0.0	70	130	30
Carbon Monoxide	ND	0.0010	0.10	0.107	107	0.107	107	0.0	70	130	30

ND = Not Detected (below RL)

RL = Reporting Limit

Reviewed/Approved By: 
 Mark Johnson
 Operations Manager

Date 2-25-21

The cover letter is an integral part of this analytical report




QC Batch No: 210222GC8A2
 Matrix: Air
 Reporting Units: % v/v

**ASTM D1946
 LABORATORY CONTROL SAMPLE SUMMARY**

Lab No.:	METHOD BLANK			LCS		LCSD					
Date Analyzed:	2/22/21 15:49			2/22/21 16:04		2/22/21 16:18					
Analyst Initials:	CM			CM		CM					
Dilution Factor:	1.0			1.0		1.0		Limits			
ANALYTE	Result % v/v	RL % v/v	SPIKE AMT. % v/v	Result % v/v	% Rec.	Result % v/v	% Rec.	RPD %	Low %Rec	High %Rec	Max. RPD
Hydrogen	ND	1.0	5.0	5.69	114	5.65	113	0.7	70	130	30
Carbon Dioxide	ND	0.010	10	10.4	104	10.4	104	0.4	70	130	30
Oxygen/Argon	ND	0.50	15	15.3	103	15.2	103	0.2	70	130	30
Nitrogen	ND	1.0	70	69.6	100	69.6	100	0.0	70	130	30
Methane	ND	0.0010	0.10	0.101	101	0.100	100	0.6	70	130	30
Carbon Monoxide	ND	0.0010	0.10	0.105	105	0.104	104	0.7	70	130	30

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

Reviewed/Approved By: 
 Mark Johnson
 Operations Manager

Date 2-25-21

The cover letter is an integral part of this analytical report




QC Batch No: 210224GC8A1
 Matrix: Air
 Reporting Units: % v/v

**ASTM D1946
 LABORATORY CONTROL SAMPLE SUMMARY**

Lab No.:	METHOD BLANK			LCS		LCSD					
Date Analyzed:	2/24/21 12:24			2/24/21 10:38		2/24/21 10:53					
Analyst Initials:	CM			CM		CM					
Dilution Factor:	1.0			1.0		1.0		Limits			
ANALYTE	Result % v/v	RL % v/v	SPIKE AMT. % v/v	Result % v/v	% Rec.	Result % v/v	% Rec.	RPD %	Low %Rec	High %Rec	Max. RPD
Hydrogen	ND	1.0	5.0	5.78	116	5.76	115	0.4	70	130	30
Carbon Dioxide	ND	0.010	10	10.2	102	10.2	102	0.4	70	130	30
Oxygen/Argon	ND	0.50	15	15.5	104	15.4	104	0.3	70	130	30
Nitrogen	ND	1.0	70	70.1	100	69.9	100	0.3	70	130	30
Methane	ND	0.0010	0.10	0.101	101	0.101	101	0.3	70	130	30
Carbon Monoxide	ND	0.0010	0.10	0.105	105	0.105	105	0.4	70	130	30

ND = Not Detected (below RL)

RL = Reporting Limit

Reviewed/Approved By: 
 Mark Johnson
 Operations Manager

Date 2-25-21

The cover letter is an integral part of this analytical report




QC Batch No: 210224GC8A2
 Matrix: Air
 Reporting Units: % v/v

**ASTM D1946
 LABORATORY CONTROL SAMPLE SUMMARY**

Lab No.:	METHOD BLANK			LCS		LCSD					
Date Analyzed:	2/24/21 22:55			2/24/21 22:12		2/24/21 22:26					
Analyst Initials:	CM			CM		CM					
Dilution Factor:	1.0			1.0		1.0		Limits			
ANALYTE	Result % v/v	RL % v/v	SPIKE AMT. % v/v	Result % v/v	% Rec.	Result % v/v	% Rec.	RPD %	Low %Rec	High %Rec	Max. RPD
Hydrogen	ND	1.0	5.0	5.59	112	5.58	112	0.2	70	130	30
Carbon Dioxide	ND	0.010	10	9.90	99	9.87	99	0.3	70	130	30
Oxygen/Argon	ND	0.50	15	15.3	104	15.3	104	0.0	70	130	30
Nitrogen	ND	1.0	70	70.2	100	70.2	100	0.0	70	130	30
Methane	ND	0.0010	0.10	0.100	100	0.0997	100	0.3	70	130	30
Carbon Monoxide	ND	0.0010	0.10	0.103	103	0.102	102	0.3	70	130	30

ND = Not Detected (below RL)

RL = Reporting Limit

Reviewed/Approved By: 
 Mark Johnson
 Operations Manager

Date 2-25-21

The cover letter is an integral part of this analytical report



QC Batch No: 210225GC8A1

Matrix: Air


Reporting Units: % v/v

**ASTM D1946
LABORATORY CONTROL SAMPLE SUMMARY**

Lab No.:	METHOD BLANK			LCS		LCSD					
Date Analyzed:	2/25/21 3:02			2/25/21 2:18		2/25/21 2:33					
Analyst Initials:	CM			CM		CM					
Dilution Factor:	1.0			1.0		1.0		Limits			
ANALYTE	Result % v/v	RL % v/v	SPIKE AMT. % v/v	Result % v/v	% Rec.	Result % v/v	% Rec.	RPD %	Low %Rec	High %Rec	Max. RPD
Hydrogen	ND	1.0	5.0	5.42	108	5.42	108	0.1	70	130	30
Carbon Dioxide	ND	0.010	10	9.65	96	9.66	96	0.2	70	130	30
Oxygen/Argon	ND	0.50	15	15.3	103	15.3	103	0.0	70	130	30
Nitrogen	ND	1.0	70	69.5	99	69.6	99	0.1	70	130	30
Methane	ND	0.0010	0.10	0.102	102	0.101	101	0.9	70	130	30
Carbon Monoxide	ND	0.0010	0.10	0.102	102	0.102	102	0.7	70	130	30

ND = Not Detected (below RL)

RL = Reporting Limit

Reviewed/Approved By: 
Mark Johnson
Operations Manager

Date 2-25-21

The cover letter is an integral part of this analytical report




QC Batch No: 210223GC8A1
 Matrix: Air
 Reporting Units: % v/v

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

Lab No.:	METHOD BLANK			LCS		LCSD					
Date Analyzed:	2/23/21 15:27			2/23/21 15:18		2/23/21 15:22					
Analyst Initials:	CM			CM		CM					
Dilution Factor:	1.0			1.0		1.0		Limits			
ANALYTE	Result % v/v	RL % v/v	SPIKE AMT. % v/v	Result % v/v	% Rec.	Result % v/v	% Rec.	RPD %	Low %Rec	High %Rec	Max. RPD
Hydrogen	ND	0.010	1.0	0.955	96	0.958	96	0.3	70	130	30

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

Reviewed/Approved By: 
 Mark Johnson
 Operations Manager

Date 2-25-21

The cover letter is an integral part of this analytical report




QC Batch No: 210223GC8A2
 Matrix: Air
 Reporting Units: % v/v

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

Lab No.:	METHOD BLANK			LCS		LCSD					
Date Analyzed:	2/23/21 17:23			2/23/21 17:13		2/23/21 17:18					
Analyst Initials:	CM			CM		CM					
Dilution Factor:	1.0			1.0		1.0		Limits			
ANALYTE	Result % v/v	RL % v/v	SPIKE AMT. % v/v	Result % v/v	% Rec.	Result % v/v	% Rec.	RPD %	Low %Rec	High %Rec	Max. RPD
Hydrogen	ND	0.010	1.0	0.957	96	0.953	95	0.4	70	130	30

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

Reviewed/Approved By: 
 Mark Johnson
 Operations Manager

Date 2-25-21

The cover letter is an integral part of this analytical report




QC Batch No: 210223GC8A3
 Matrix: Air
 Reporting Units: % v/v

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

Lab No.:	METHOD BLANK			LCS		LCSD					
Date Analyzed:	2/23/21 19:19			2/23/21 19:10		2/23/21 19:14					
Analyst Initials:	CM			CM		CM					
Dilution Factor:	1.0			1.0		1.0		Limits			
ANALYTE	Result % v/v	RL % v/v	SPIKE AMT. % v/v	Result % v/v	% Rec.	Result % v/v	% Rec.	RPD %	Low %Rec	High %Rec	Max. RPD
Hydrogen	ND	0.010	1.0	0.931	93	0.928	93	0.3	70	130	30

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

Reviewed/Approved By: 
 Mark Johnson
 Operations Manager

Date 2-25-21

The cover letter is an integral part of this analytical report





February 23, 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: M022001-01

Enclosed are results for sample(s) received 2/20/21 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 2/20/21.

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 "MJohnson-1".

Mark Johnson
Operations Manager
MJohnson@AirTechLabs.com

Enclosures

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

M022001



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

CHAIN OF CUSTODY RECORD

TURNAROUND TIME		DELIVERABLES	PAGE: 1 OF 1
Standard <input type="checkbox"/>	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 checked="" 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:		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/VOL
	Cannister ID	Sample Start	Sample End													
M022001-07	A7749	-21.3	-5.1	GEW 53	2/19/2021	17:33	C	LFG	NA	X						3.5" H5

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

SAMPLED BY: Tim Ahrens **COMPANY:** Hunt Environmental **DATE/TIME:** 2/19/21

RELINQUISHED BY: T. Ahrens	DATE/TIME: 2/19/21	RECEIVED BY:	DATE/TIME:
RELINQUISHED BY: FedEx	DATE/TIME: 2-20-21 17:00	RECEIVED BY: [Signature]	DATE/TIME: 2-20-21 17:00
RELINQUISHED BY:	DATE/TIME:	RECEIVED BY:	DATE/TIME:

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

COMMENTS

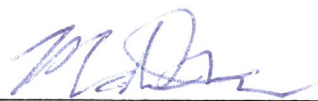
Client: Republic Services
 Attn: Mike Lambrich
 Project Name: Bridgeton Landfill
 Project No.: NA
 Date Received: 02/20/21
 Matrix: Air
 Reporting Units: % v/v

ASTM D1946

Lab No.:	M022001-01						
Client Sample I.D.:	GEW 53						
Date/Time Sampled:	2/19/21 17:33						
Date/Time Analyzed:	2/20/21 11:07						
QC Batch No.:	210220GC8A1						
Analyst Initials:	MJ						
Dilution Factor:	2.9						
ANALYTE	Result % v/v	RL % v/v					
Hydrogen	5.4	2.9					
Carbon Dioxide	30	0.029					
Oxygen/Argon	ND	1.4					
Nitrogen	38	2.9					
Methane	25	0.0029					
Carbon Monoxide	0.059	0.0029					

Results normalized including non-methane hydrocarbons

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

Reviewed/Approved By: 
 Mark Johnson
 Operations Manager

Date 2-20-21

The cover letter is an integral part of this analytical report



QC Batch No: 210220GC8A1
 Matrix: Air
 Reporting Units: % v/v

**ASTM D1946
 LABORATORY CONTROL SAMPLE SUMMARY**

Lab No.:	METHOD BLANK			LCS		LCSD					
Date Analyzed:	2/19/21 18:01			2/19/21 17:18		2/19/21 17:32					
Analyst Initials:	CM			CM		CM					
Dilution Factor:	1.0			1.0		1.0		Limits			
ANALYTE	Result % v/v	RL % v/v	SPIKE AMT. % v/v	Result % v/v	% Rec.	Result % v/v	% Rec.	RPD %	Low %Rec	High %Rec	Max. RPD
Hydrogen	ND	1.0	5.0	5.61	112	5.68	114	1.3	70	130	30
Carbon Dioxide	ND	0.010	10	11.0	110	10.4	104	5.2	70	130	30
Oxygen/Argon	ND	0.50	15	14.6	99	15.2	102	3.4	70	130	30
Nitrogen	ND	1.0	70	68.0	97	69.3	99	1.9	70	130	30
Methane	ND	0.0010	0.10	0.105	105	0.104	104	1.1	70	130	30
Carbon Monoxide	ND	0.0010	0.10	0.105	105	0.104	104	1.1	70	130	30

ND = Not Detected (below RL)

RL = Reporting Limit

Reviewed/Approved By: _____



Mark Johnson
 Operations Manager

Date _____

2-20-21

The cover letter is an integral part of this analytical report



AirTECHNOLOGY Laboratories, Inc.

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



February 26, 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: M022503-01

Enclosed are results for sample(s) received 2/25/21 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 2/25/21.

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

Sincerely,

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

Mark Johnson
Operations Manager
MJohnson@AirTechLabs.com

Enclosures

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



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

CHAIN OF CUSTODY RECORD

TURNAROUND TIME

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

DELIVERABLES

EDD
EDF
Level 3
Level 4

PAGE: 1 OF 1

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

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

BILLING

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

ANALYSIS REQUEST

D1946 + CO, H2

INITIAL LAB VAC 11/19

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												
M022503-01	A7774	-20.6	-5	GEW 53	2/24/2021	8:38	C	LFG	NA	X					

AUTHORIZATION TO PERFORM WORK: Dave Penoyer **COMPANY:** Republic Services
SAMPLED BY: Tim Ahrens **COMPANY:** Hunt Environmental **DATE/TIME:** 2/24/21
RELINQUISHED BY: *[Signature]* **DATE/TIME:** 2/24/21 **RECEIVED BY:** _____ **DATE/TIME:** _____
RELINQUISHED BY: *[Signature]* **DATE/TIME:** 2/25/21 **RECEIVED BY:** *[Signature]* **DATE/TIME:** 2/25/21 1045
RELINQUISHED BY: _____ **DATE/TIME:** _____ **RECEIVED BY:** _____ **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: 02/25/21
Matrix: Air
Reporting Units: % v/v

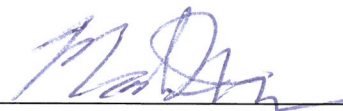
ASTM D1946

Lab No.:	M022503-01						
Client Sample I.D.:	GEW 53						
Date/Time Sampled:	2/24/21 8:38						
Date/Time Analyzed:	2/25/21 12:04						
QC Batch No.:	210225GC8A1						
Analyst Initials:	CM						
Dilution Factor:	3.2						
ANALYTE	Result % v/v	RL % v/v					
Hydrogen	6.8	3.2					
Carbon Dioxide	40	0.032					
Oxygen/Argon	ND	1.6					
Nitrogen	10	3.2					
Methane	41	0.0032					
Carbon Monoxide	0.010	0.0032					

Results normalized including non-methane hydrocarbons

ND = Not Detected (below RL)

RL = Reporting Limit

Reviewed/Approved By: 
Mark Johnson
Operations Manager

Date 2-25-21

The cover letter is an integral part of this analytical report




QC Batch No: 210225GC8A1
 Matrix: Air
 Reporting Units: % v/v

**ASTM D1946
 LABORATORY CONTROL SAMPLE SUMMARY**

Lab No.:	METHOD BLANK			LCS		LCSD					
Date Analyzed:	2/25/21 3:02			2/25/21 2:18		2/25/21 2:33					
Analyst Initials:	CM			CM		CM					
Dilution Factor:	1.0			1.0		1.0		Limits			
ANALYTE	Result % v/v	RL % v/v	SPIKE AMT. % v/v	Result % v/v	% Rec.	Result % v/v	% Rec.	RPD %	Low %Rec	High %Rec	Max. RPD
Hydrogen	ND	1.0	5.0	5.42	108	5.42	108	0.1	70	130	30
Carbon Dioxide	ND	0.010	10	9.65	96	9.66	96	0.2	70	130	30
Oxygen/Argon	ND	0.50	15	15.3	103	15.3	103	0.0	70	130	30
Nitrogen	ND	1.0	70	69.5	99	69.6	99	0.1	70	130	30
Methane	ND	0.0010	0.10	0.102	102	0.101	101	0.9	70	130	30
Carbon Monoxide	ND	0.0010	0.10	0.102	102	0.102	102	0.7	70	130	30

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

Reviewed/Approved By: 
 Mark Johnson
 Operations Manager

Date: 2-25-21

The cover letter is an integral part of this analytical report





March 1, 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 CA013332015-3
EPA Methods TO3, TO14A, TO15, RSK-175

LABORATORY TEST RESULTS

Project Reference: Bridgeton Landfill
Lab Number: M022504-01/02

Enclosed are results for sample(s) received 2/25/21 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 2/26/21.

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

Sincerely,

A handwritten signature in blue ink that appears to read "MJ - 1".

Mark Johnson
Operations Manager
MJohnson@AirTechLabs.com

Enclosures

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



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

CHAIN OF CUSTODY RECORD

TURNAROUND TIME		DELIVERABLES	PAGE: 1 OF 1
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 checked="" 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						INITIAL USER/VOL "119	
	Cannister ID	Sample Start	Sample End														
M022504-01	A8082	-20.5	-5	GEW 47R	2/24/2021	9:44	C	LFG	NA	X							
↓ -62	A7767	-20.2	-5	GEW 46R	2/24/2021	10:25	C	LFG	NA	X							

AUTHORIZATION TO PERFORM WORK: Dave Penoyer	COMPANY: Republic Services	COMMENTS	
SAMPLED BY: Andy Guthrie	COMPANY: Hunt Environmental Services		DATE/TIME: 2-24-2021
RELINQUISHED BY: <i>Andy Guthrie</i>	DATE/TIME: 2-24-2021		RECEIVED BY: _____
RELINQUISHED BY: <i>FEN</i>	DATE/TIME: 2/25/21		RECEIVED BY: <i>Dmg</i>
RELINQUISHED BY: _____	DATE/TIME: _____	RECEIVED BY: _____	
METHOD OF TRANSPORT (circle one): Walk-In <input checked="" type="checkbox"/> FedEx <input type="checkbox"/> UPS <input type="checkbox"/> Courier <input type="checkbox"/> ATLI <input type="checkbox"/> Other _____			

Client: Republic Services
Attn: Mike Lambrich
Project Name: Bridgeton Landfill
Project No.: NA
Date Received: 02/25/21
Matrix: Air
Reporting Units: % v/v

ASTM D1946


Lab No.:	M022504-01	M022504-02						
Client Sample I.D.:	GEW 47R	GEW 46R						
Date/Time Sampled:	2/24/21 9:44	2/24/21 10:25						
Date/Time Analyzed:	2/25/21 13:03	2/25/21 13:18						
QC Batch No.:	210225GC8A1	210225GC8A1						
Analyst Initials:	CM	CM						
Dilution Factor:	3.2	3.2						
ANALYTE	Result % v/v	RL % v/v	Result % v/v	RL % v/v				
Hydrogen	ND d	0.032	ND d	0.032				
Carbon Dioxide	39	0.032	40	0.032				
Oxygen/Argon	1.7	1.6	ND	1.6				
Nitrogen	11	3.2	9.4	3.2				
Methane	48	0.0032	50	0.0032				
Carbon Monoxide	ND	0.0032	ND	0.0032				

Results normalized including non-methane hydrocarbons

ND = Not Detected (below RL)

RL = Reporting Limit

d = Analyzed by secondary analysis, batch number 210225GC8A2

Reviewed/Approved By: 
Mark Johnson
Operations Manager

Date 2-26-21

The cover letter is an integral part of this analytical report



QC Batch No: 210225GC8A1
 Matrix: Air
 Reporting Units: % v/v

**ASTM D1946
 LABORATORY CONTROL SAMPLE SUMMARY**

Lab No.:	METHOD BLANK			LCS		LCSD					
Date Analyzed:	2/25/21 3:02			2/25/21 2:18		2/25/21 2:33					
Analyst Initials:	CM			CM		CM					
Dilution Factor:	1.0			1.0		1.0		Limits			
ANALYTE	Result % v/v	RL % v/v	SPIKE AMT. % v/v	Result % v/v	% Rec.	Result % v/v	% Rec.	RPD %	Low %Rec	High %Rec	Max. RPD
Hydrogen	ND	1.0	5.0	5.42	108	5.42	108	0.1	70	130	30
Carbon Dioxide	ND	0.010	10	9.65	96	9.66	96	0.2	70	130	30
Oxygen/Argon	ND	0.50	15	15.3	103	15.3	103	0.0	70	130	30
Nitrogen	ND	1.0	70	69.5	99	69.6	99	0.1	70	130	30
Methane	ND	0.0010	0.10	0.102	102	0.101	101	0.9	70	130	30
Carbon Monoxide	ND	0.0010	0.10	0.102	102	0.102	102	0.7	70	130	30

ND = Not Detected (below RL)

RL = Reporting Limit

Reviewed/Approved By: Mark Johnson
 Mark Johnson
 Operations Manager

Date: 2-26-21

The cover letter is an integral part of this analytical report




QC Batch No: 210225GC8A2
 Matrix: Air
 Reporting Units: % v/v

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

Lab No.:	METHOD BLANK			LCS		LCSD					
Date Analyzed:	2/25/21 16:39			2/25/21 16:29		2/25/21 16:34					
Analyst Initials:	CM			CM		CM					
Dilution Factor:	1.0			1.0		1.0					
								Limits			
ANALYTE	Result % v/v	RL % v/v	SPIKE AMT. % v/v	Result % v/v	% Rec.	Result % v/v	% Rec.	RPD %	Low %Rec	High %Rec	Max. RPD
Hydrogen	ND	0.010	1.0	0.915	91	0.914	91	0.1	70	130	30

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

Reviewed/Approved By: 
 Mark Johnson
 Operations Manager

Date 2-26-21

The cover letter is an integral part of this analytical report



ATTACHMENT D

GAS WELLFIELD DATA

ATTACHMENT D-1

WELLFIELD DATA TABLE

February 2021 Wellfield Monitoring Data - Bridgeton Landfill

Well Name	Date Sampled	Methane	CO ₂	O ₂	Balance Gas	Init Temp	Adj Temp	Init Flow	Adj Flow	Init Static Press	Adj Static Press	System Pressure
		(% vol)				°F		scfm		H ₂ O		
GEW-002	2/1/2021 11:10:34 AM	51.6	38.1	0.0	10.3	107.0	107.0	18.00	18.23	-0.74	-0.74	-14.95
GEW-002	2/1/2021 11:12:25 AM	51.4	38.7	0.0	9.9	106.8	106.7	19.23	18.85	-0.73	-0.72	-14.36
GEW-002	2/8/2021 9:28:21 AM	59.6	36.4	0.0	4.0	49.6	49.0	12.13	14.01	-0.59	-0.57	-13.89
GEW-002	2/9/2021 1:41:21 PM	50.9	38.9	0.0	10.2	106.2	106.3	18.78	19.64	-0.73	-0.75	-14.44
GEW-002	2/9/2021 1:47:37 PM	50.7	39.7	0.0	9.6	106.3	106.2	20.54	19.07	-0.72	-0.68	-13.71
GEW-002	2/19/2021 9:13:54 AM	55.1	40.3	0.0	4.6	104.8	104.8	18.40	18.40	-1.03	-1.03	-13.77
GEW-002	2/23/2021 10:37:31 AM	55.1	39.7	0.0	5.2	109.8	109.8	23.09	21.79	-0.72	-0.70	-14.44
GEW-003	2/1/2021 11:18:18 AM	55.8	40.7	0.0	3.5	68.8	67.7	4.60	4.60	-0.54	-0.53	-13.94
GEW-003	2/9/2021 1:55:58 PM	55.9	42.1	0.0	2.0	57.5	57.5	7.51	9.41	-0.33	-0.35	-13.95
GEW-003	2/9/2021 2:01:21 PM	56.1	42.3	0.0	1.6	57.3	57.2	6.95	6.95	-0.34	-0.34	-13.95
GEW-003	2/19/2021 9:10:10 AM	56.8	41.8	0.0	1.4	66.7	66.8	4.87	3.98	-0.61	-0.60	-13.16
GEW-003	2/23/2021 10:41:01 AM	55.4	41.6	0.0	3.0	90.8	90.8	6.15	4.76	-0.63	-0.64	-13.89
GEW-004	2/1/2021 11:23:44 AM	52.0	39.3	0.0	8.7	102.4	102.7	6.95	5.12	-0.62	-0.62	-14.87
GEW-004	2/9/2021 2:06:06 PM	52.2	40.7	0.0	7.1	101.6	101.4	9.04	8.62	-0.28	-0.27	-13.95
GEW-004	2/9/2021 2:12:08 PM	52.9	40.3	0.0	6.8	101.6	101.3	12.19	11.56	-0.30	-0.30	-13.95
GEW-004	2/19/2021 9:00:14 AM	54.8	40.4	0.0	4.8	103.0	102.9	11.85	10.53	-0.64	-0.63	-13.34
GEW-004	2/23/2021 10:44:26 AM	55.2	40.9	0.0	3.9	106.9	106.7	13.00	14.09	-0.56	-0.55	-13.83
GEW-005	2/1/2021 11:38:29 AM	50.0	37.6	0.0	12.4	61.6	61.3	2.09	3.52	-0.17	-0.16	-14.03
GEW-005	2/1/2021 11:40:51 AM	50.2	37.2	0.0	12.6	62.0	61.6	30.74	30.48	-0.17	-0.17	-14.03
GEW-005	2/9/2021 11:01:33 AM	50.2	36.4	0.0	13.4	31.7	30.3	7.46	8.01	-0.16	-0.17	-7.53
GEW-005	2/9/2021 11:08:13 AM	50.1	36.5	0.0	13.4	32.3	32.2	7.45	8.51	-0.16	-0.16	-7.28
GEW-005	2/19/2021 8:49:36 AM	56.3	39.6	0.0	4.1	59.7	59.7	8.09	7.76	-0.21	-0.22	-13.83
GEW-005	2/23/2021 10:53:43 AM	56.1	40.5	0.0	3.4	72.0	72.1	7.41	5.60	-0.15	-0.15	-13.89
GEW-006	2/2/2021 9:20:52 AM	53.3	37.9	0.0	8.8	78.4	78.4	16.21	17.38	-0.60	-0.61	-13.71
GEW-006	2/9/2021 11:24:47 AM	53.6	37.7	0.0	8.7	75.9	75.9	15.75	16.63	-0.52	-0.53	-14.20
GEW-006	2/9/2021 11:31:55 AM	54.1	37.3	0.0	8.6	75.7	75.7	18.20	19.24	-0.42	-0.41	-14.14
GEW-006	2/19/2021 8:35:58 AM	56.0	36.5	0.0	7.5	76.7	77.0	18.27	16.95	-0.60	-0.59	-14.14
GEW-006	2/23/2021 11:00:51 AM	54.3	39.3	0.0	6.4	80.5	80.5	17.11	17.11	-0.55	-0.55	-14.32
GEW-007	2/1/2021 9:31:15 AM	55.7	41.1	0.0	3.2	82.3	82.3	6.98	5.14	-6.43	-6.43	-14.15
GEW-007	2/8/2021 10:29:19 AM	56.1	40.1	0.0	3.8	81.0	81.0	9.48	7.74	-6.41	-6.41	-14.20
GEW-007	2/8/2021 10:36:55 AM	56.1	40.7	0.0	3.2	81.7	81.4	7.73	9.07	-6.41	-6.41	-14.08
GEW-007	2/19/2021 8:50:12 AM	55.8	39.4	0.0	4.8	80.5	80.4	11.92	10.23	-5.96	-5.96	-13.94
GEW-007	2/23/2021 9:10:15 AM	56.0	41.3	0.0	2.7	84.7	84.5	12.49	10.56	-6.41	-6.41	-14.08
GEW-008	2/1/2021 9:35:49 AM	53.1	42.4	0.0	4.5	107.3	107.3	11.17	11.17	-1.03	-1.03	-14.07
GEW-008	2/8/2021 10:42:37 AM	53.9	41.8	0.0	4.3	106.2	106.0	14.34	13.82	-0.93	-0.92	-14.69
GEW-008	2/8/2021 10:49:15 AM	53.6	41.9	0.0	4.5	106.4	106.5	13.27	14.59	-0.92	-0.91	-14.32
GEW-008	2/19/2021 8:55:17 AM	54.2	39.6	0.0	6.2	107.4	107.4	18.53	18.63	-0.98	-1.00	-13.98
GEW-008	2/23/2021 9:14:10 AM	53.7	42.3	0.0	4.0	108.7	108.5	14.81	14.81	-0.98	-0.98	-14.44
GEW-009	2/1/2021 9:40:05 AM	48.8	41.9	0.0	9.3	113.7	113.5	10.77	10.74	-0.12	-0.11	-14.32
GEW-009	2/1/2021 9:42:05 AM	48.6	41.7	0.0	9.7	114.3	113.5	5.74	5.75	-0.13	-0.13	-14.41

February 2021 Wellfield Monitoring Data - Bridgeton Landfill

Well Name	Date Sampled	Methane	CO ₂	O ₂	Balance Gas	Init Temp	Adj Temp	Init Flow	Adj Flow	Init Static Press	Adj Static Press	System Pressure
		(% vol)				°F		scfm		H ₂ O		
GEW-009	2/8/2021 11:03:05 AM	51.8	40.7	0.0	7.5	114.5	114.7	8.53	8.53	-0.05	-0.05	-14.20
GEW-009	2/8/2021 11:10:52 AM	52.1	41.2	0.0	6.7	114.8	114.8	13.48	13.21	-0.01	-0.01	-14.20
GEW-009	2/19/2021 8:59:37 AM	54.5	40.8	0.0	4.7	113.5	114.0	6.60	6.60	-0.02	-0.03	-13.94
GEW-009	2/19/2021 9:01:20 AM	53.9	42.3	0.0	3.8	115.0	115.7	9.42	9.72	-0.05	-0.05	-14.03
GEW-009	2/23/2021 9:17:47 AM	52.1	42.6	0.0	5.3	118.4	119.0	5.37	2.69	-0.04	-0.04	-14.20
GEW-010	2/2/2021 10:17:26 AM	56.6	43.0	0.0	0.4	70.7	71.0	1.67	1.67	-5.15	-5.15	-19.40
GEW-010	2/11/2021 10:34:13 AM	55.3	44.6	0.1	0.0	50.5	50.7	2.43	2.98	-5.99	-5.99	-20.30
GEW-010	2/11/2021 10:39:57 AM	56.9	42.5	0.2	0.4	51.9	51.9	5.29	6.53	-6.25	-6.25	-19.87
GEW-010	2/18/2021 3:28:56 PM	58.0	41.9	0.1	0.0	69.6	69.8	14.11	15.72	-5.19	-5.19	-19.07
GEW-010	2/24/2021 9:30:23 AM	55.8	44.2	0.0	0.0	75.5	75.7	1.65	2.60	-4.73	-4.73	-17.93
GEW-013A	2/3/2021 10:21:51 AM	8.8	70.2	0.0	21.0	192.3	192.3	12.46	11.93	-2.24	-2.34	-21.48
GEW-013A	2/3/2021 10:22:55 AM	8.7	68.2	0.0	23.1	192.3	192.3	11.00	11.00	-2.26	-2.26	-21.18
GEW-013A	2/19/2021 9:30:57 AM	20.4	64.8	0.0	14.8	182.1	182.1	9.11	8.27	-11.48	-11.48	-20.34
GEW-013A	2/19/2021 9:31:57 AM	20.2	64.9	0.0	14.9	182.1	181.5	8.43	7.28	-11.44	-11.44	-19.96
GEW-015	2/3/2021 11:21:38 AM	26.9	56.5	0.0	16.6	90.3	90.3	7.28	4.96	-3.20	-3.21	-20.34
GEW-015	2/24/2021 11:29:07 AM	29.2	51.1	0.2	19.5	101.1	101.1	1.57	4.16	-4.53	-4.52	-18.44
GEW-016R	2/3/2021 2:14:20 PM	12.9	57.3	0.0	29.8	129.2	130.6	8.80	8.97	-1.42	-1.43	-18.73
GEW-016R	2/24/2021 11:32:00 AM	16.4	57.2	0.0	26.4	136.1	136.2	7.45	7.45	-1.89	-1.89	-18.35
GEW-016R	2/24/2021 11:32:53 AM	15.8	59.0	0.0	25.2	136.1	136.2	5.05	7.45	-1.90	-1.89	-18.27
GEW-018B	2/4/2021 11:04:50 AM	2.5	61.6	0.0	35.9	197.2	197.0	47.93	47.77	0.33	0.33	-20.55
GEW-018B	2/4/2021 11:08:28 AM	2.7	61.5	0.0	35.8	196.4	196.4	58.09	57.75	-0.29	-0.29	-19.62
GEW-018B	2/19/2021 2:59:41 PM	5.6	55.5	0.4	38.5	195.0	195.0	48.31	48.41	-1.90	-1.90	-19.28
GEW-018B	2/19/2021 3:00:52 PM	5.1	54.4	0.4	40.1	195.0	195.0	47.24	47.83	-1.97	-1.97	-19.11
GEW-019A	2/4/2021 10:16:05 AM	8.9	63.5	3.3	24.3	41.4	41.3	3.83	6.18	-14.90	-14.90	-19.62
GEW-019A	2/22/2021 2:31:44 PM	5.2	59.2	4.2	31.4	61.6	61.6	3.67	2.85	-15.87	-15.87	-18.94
GEW-039	2/4/2021 8:52:41 AM	48.6	40.2	0.0	11.2	91.5	91.5	11.99	11.99	-0.05	-0.05	-19.83
GEW-039	2/10/2021 11:48:38 AM	41.4	39.1	0.8	18.7	90.3	91.0	9.87	8.65	-0.03	-0.03	-20.47
GEW-039	2/10/2021 11:54:35 AM	40.9	37.0	0.9	21.2	91.2	90.8	9.86	9.47	-0.05	-0.04	-20.68
GEW-039	2/18/2021 2:52:16 PM	43.7	41.5	0.9	13.9	95.3	95.3	12.78	10.19	-0.07	-0.07	-20.21
GEW-039	2/24/2021 9:36:50 AM	34.3	37.8	1.8	26.1	97.0	97.0	10.53	10.53	-0.07	-0.07	-17.80
GEW-040	2/1/2021 10:16:12 AM	49.8	34.2	0.0	16.0	37.0	38.1	2.14	2.14	-0.30	-0.27	-13.44
GEW-040	2/1/2021 10:18:18 AM	50.0	33.4	0.0	16.6	37.1	37.1	3.60	2.15	-0.13	-0.12	-13.77
GEW-040	2/8/2021 2:22:44 PM	61.4	36.3	0.0	2.3	27.4	27.4	7.75	7.17	0.07	0.07	-13.71
GEW-040	2/8/2021 2:32:25 PM	62.1	34.8	0.0	3.1	27.4	27.4	8.27	7.74	-0.35	-0.35	-13.95
GEW-040	2/19/2021 1:38:20 PM	55.9	33.3	0.0	10.8	51.0	51.5	15.78	15.76	-0.25	-0.25	-13.95
GEW-040	2/23/2021 9:42:08 AM	62.9	36.7	0.0	0.4	53.4	53.4	8.06	9.01	-0.45	-0.44	-13.83
GEW-040	2/23/2021 9:45:18 AM	63.2	35.4	0.0	1.4	53.1	53.1	10.28	9.87	-0.43	-0.44	-13.83
GEW-041R	2/1/2021 10:23:24 AM	49.6	33.8	0.0	16.6	44.2	43.2	10.24	8.59	-0.17	-0.16	-14.03
GEW-041R	2/1/2021 10:31:28 AM	49.8	33.6	0.0	16.6	44.1	42.7	2.80	3.02	-0.12	-0.12	-13.98
GEW-041R	2/9/2021 9:57:43 AM	50.8	36.1	0.0	13.1	22.1	25.6	8.53	8.68	0.00	0.00	-13.71

February 2021 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-041R	2/9/2021 10:04:40 AM	52.1	34.1	0.0	13.8	27.1	26.9	10.37	11.91	-0.01	-0.01	-13.83
GEW-041R	2/19/2021 1:44:06 PM	52.9	32.6	0.0	14.5	54.4	55.2	6.37	6.97	-0.07	-0.07	-14.01
GEW-041R	2/23/2021 9:52:31 AM	57.7	34.9	0.0	7.4	66.2	66.8	11.27	10.16	-0.13	-0.12	-13.83
GEW-042R	2/1/2021 10:35:09 AM	53.1	36.9	0.0	10.0	93.2	93.4	3.39	3.39	-3.07	-3.07	-13.06
GEW-042R	2/1/2021 10:36:54 AM	52.7	37.2	0.0	10.1	90.7	90.1	4.37	5.84	-1.77	-1.76	-13.94
GEW-042R	2/11/2021 9:21:16 AM	59.5	40.0	0.0	0.5	22.9	22.5	11.52	12.13	-0.01	-0.02	-7.71
GEW-042R	2/11/2021 9:28:45 AM	59.1	40.9	0.0	0.0	21.9	21.9	7.00	9.29	-0.02	-0.02	-7.65
GEW-042R	2/19/2021 10:01:53 AM	59.5	37.6	0.0	2.9	78.0	77.9	5.90	5.90	-2.02	-2.02	-13.56
GEW-042R	2/19/2021 10:04:02 AM	59.5	37.4	0.0	3.1	78.6	78.5	6.77	5.53	-2.17	-2.17	-13.77
GEW-042R	2/23/2021 9:56:18 AM	59.8	38.5	0.0	1.7	91.5	91.4	10.64	10.64	-0.89	-0.89	-13.83
GEW-043R	2/1/2021 10:40:40 AM	54.2	39.2	0.0	6.6	111.6	112.0	15.80	16.25	-1.66	-1.66	-14.53
GEW-043R	2/9/2021 10:37:10 AM	54.1	38.6	0.0	7.3	111.0	110.7	18.38	18.57	-1.69	-1.68	-14.44
GEW-043R	2/9/2021 10:43:50 AM	54.3	39.4	0.0	6.3	111.5	110.5	18.76	18.76	-1.64	-1.64	-14.38
GEW-043R	2/19/2021 9:58:28 AM	56.3	39.6	0.0	4.1	112.5	112.5	13.99	14.75	-1.31	-1.30	-14.01
GEW-043R	2/23/2021 10:03:42 AM	56.4	39.8	0.0	3.8	113.0	112.7	14.24	14.98	-1.48	-1.48	-14.20
GEW-044	2/1/2021 10:44:21 AM	37.1	32.8	0.0	30.1	43.7	43.7	1.47	1.47	-0.31	-0.30	-13.86
GEW-044	2/1/2021 10:46:21 AM	37.0	33.0	0.0	30.0	40.5	40.2	1.14	1.44	-0.19	-0.19	-14.03
GEW-044	2/8/2021 9:59:01 AM	46.4	35.9	0.0	17.7	29.1	29.1	1.09	1.22	-0.22	-0.22	-13.65
GEW-044	2/8/2021 10:06:39 AM	46.6	36.5	0.0	16.9	30.5	30.5	0.95	0.95	-0.21	-0.21	-13.71
GEW-044	2/19/2021 9:51:24 AM	49.8	34.8	0.0	15.4	57.5	57.5	1.68	1.92	-0.22	-0.22	-13.95
GEW-044	2/19/2021 9:53:22 AM	49.6	35.6	0.0	14.8	57.5	57.5	1.50	1.30	-0.20	-0.20	-13.95
GEW-044	2/23/2021 10:07:42 AM	45.5	35.0	0.0	19.5	71.2	71.2	0.91	0.74	-0.33	-0.33	-13.65
GEW-044	2/23/2021 10:09:16 AM	45.9	34.5	0.0	19.6	70.4	70.3	1.82	1.58	-0.21	-0.21	-13.83
GEW-045R	2/1/2021 10:57:10 AM	51.6	37.8	0.0	10.6	82.4	78.0	19.39	19.39	-4.78	-4.78	-14.11
GEW-045R	2/1/2021 10:59:06 AM	51.6	38.4	0.0	10.0	82.4	81.7	5.84	5.85	-4.66	-4.67	-14.03
GEW-045R	2/9/2021 1:26:06 PM	51.4	37.7	0.0	10.9	71.8	71.8	13.58	14.40	-4.52	-4.52	-13.65
GEW-045R	2/9/2021 1:33:18 PM	51.7	39.2	0.0	9.1	71.8	70.9	22.17	22.35	-4.54	-4.53	-13.71
GEW-045R	2/19/2021 9:31:35 AM	53.5	36.9	0.0	9.6	71.6	71.8	3.92	3.92	-5.06	-5.06	-13.95
GEW-045R	2/23/2021 10:19:07 AM	52.8	38.7	0.0	8.5	87.0	87.0	4.73	5.46	-5.19	-5.19	-13.83
GEW-046R	2/1/2021 11:03:58 AM	52.2	39.6	0.0	8.2	93.2	93.6	3.41	5.16	-0.27	-0.27	-13.90
GEW-046R	2/9/2021 1:15:28 PM	53.1	36.4	0.0	10.5	82.8	83.0	13.58	13.58	-0.33	-0.33	-13.71
GEW-046R	2/9/2021 1:21:16 PM	52.3	38.7	0.0	9.0	82.5	82.8	10.00	9.20	-0.23	-0.22	-13.77
GEW-046R	2/19/2021 9:26:52 AM	55.2	38.0	0.0	6.8	77.5	77.1	4.82	2.79	-0.41	-0.41	-11.69
GEW-046R	2/23/2021 10:27:02 AM	53.2	41.2	0.0	5.6	94.8	95.0	10.97	11.31	-0.21	-0.21	-14.26
GEW-046R	2/24/2021 9:21:54 AM	54.2	39.6	0.1	6.1	93.7	93.7	11.64	11.96	-0.38	-0.38	-13.77
GEW-046R	2/24/2021 9:29:09 AM	52.9	41.4	0.0	5.7	94.3	94.1	7.61	7.61	-0.38	-0.38	-13.77
GEW-046R	2/24/2021 10:01:42 AM	52.7	40.9	0.0	6.4	94.8	94.6	5.48	6.13	-0.44	-0.44	-13.83
GEW-046R	2/24/2021 10:28:42 AM	52.8	41.5	0.0	5.7	94.9	94.8	8.22	8.22	-0.59	-0.59	-13.77
GEW-047R	2/1/2021 11:32:54 AM	49.1	39.5	0.0	11.4	74.2	74.1	5.26	5.26	-0.24	-0.25	-14.03
GEW-047R	2/1/2021 11:35:00 AM	49.1	38.7	0.0	12.2	73.9	73.9	12.43	12.35	-0.24	-0.26	-14.28

February 2021 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-047R	2/9/2021 11:44:29 AM	52.8	39.0	0.0	8.2	34.5	34.8	6.53	5.59	-0.10	-0.09	-3.79
GEW-047R	2/9/2021 11:52:08 AM	52.5	40.9	0.0	6.6	37.8	37.5	6.18	6.18	-0.12	-0.13	-3.86
GEW-047R	2/19/2021 8:53:32 AM	55.4	40.1	0.0	4.5	69.1	69.3	23.82	24.15	-0.42	-0.42	-13.89
GEW-047R	2/23/2021 10:50:23 AM	52.7	42.8	0.0	4.5	86.8	87.0	5.53	5.53	-0.17	-0.17	-13.83
GEW-047R	2/24/2021 9:40:35 AM	53.5	40.2	0.0	6.3	84.2	84.3	5.53	4.79	-0.59	-0.59	-13.95
GEW-047R	2/24/2021 9:47:17 AM	53.6	41.3	0.0	5.1	85.1	85.1	8.29	7.31	-0.57	-0.57	-13.83
GEW-048	2/2/2021 9:17:16 AM	54.1	38.7	0.0	7.2	89.6	89.6	12.61	12.00	-0.65	-0.64	-14.01
GEW-048	2/9/2021 11:12:37 AM	54.6	37.8	0.0	7.6	86.4	86.3	13.11	10.89	-0.55	-0.54	-14.50
GEW-048	2/9/2021 11:19:05 AM	54.7	38.2	0.0	7.1	86.3	86.7	14.23	11.57	-0.50	-0.50	-14.20
GEW-048	2/19/2021 8:43:07 AM	56.3	38.4	0.0	5.3	88.7	88.7	9.54	10.67	-0.58	-0.57	-14.32
GEW-048	2/23/2021 10:56:49 AM	56.0	39.6	0.0	4.4	92.2	92.1	16.02	15.29	-0.56	-0.56	-14.44
GEW-049	2/1/2021 10:51:07 AM	38.4	34.2	0.0	27.4	53.9	51.6	2.11	2.11	-0.17	-0.17	-14.03
GEW-049	2/1/2021 10:53:01 AM	38.1	34.7	0.0	27.2	54.5	54.2	6.70	4.54	-0.17	-0.16	-13.90
GEW-049	2/8/2021 10:11:47 AM	53.2	39.2	0.0	7.6	25.9	26.0	8.29	9.72	-0.15	-0.14	-13.83
GEW-049	2/8/2021 10:18:07 AM	53.0	39.3	0.0	7.7	26.1	26.1	7.75	8.79	-0.12	-0.12	-13.89
GEW-049	2/19/2021 9:36:06 AM	56.6	40.7	0.0	2.7	37.4	37.8	7.47	6.32	-0.01	-0.01	-13.89
GEW-049	2/23/2021 10:13:12 AM	52.8	39.3	0.0	7.9	67.2	67.2	6.29	4.87	-0.12	-0.11	-13.83
GEW-050	2/1/2021 9:20:00 AM	46.8	35.7	0.0	17.5	84.3	84.3	8.08	8.08	-0.45	-0.45	-6.02
GEW-050	2/1/2021 9:21:46 AM	46.1	36.2	0.0	17.7	83.7	83.8	9.39	9.39	-0.44	-0.44	-5.60
GEW-050	2/8/2021 11:24:19 AM	49.6	37.8	0.0	12.6	81.5	81.2	6.80	7.86	-0.01	-0.01	-5.81
GEW-050	2/8/2021 11:31:47 AM	50.8	37.7	0.0	11.5	81.9	82.0	16.19	18.83	-0.03	-0.03	-6.00
GEW-050	2/19/2021 8:41:58 AM	52.6	37.4	0.0	10.0	82.3	83.0	3.92	7.83	-0.25	-0.26	-5.05
GEW-050	2/23/2021 8:59:00 AM	53.1	36.7	0.0	10.2	88.3	88.0	12.02	12.22	-0.51	-0.50	-7.04
GEW-050	2/23/2021 9:00:34 AM	52.2	37.5	0.0	10.3	87.8	87.7	12.34	11.70	-0.48	-0.47	-5.51
GEW-051	2/1/2021 9:49:31 AM	55.1	42.4	0.0	2.5	87.3	84.1	4.36	4.69	-0.42	-0.41	-13.86
GEW-051	2/8/2021 1:33:17 PM	55.0	41.4	0.0	3.6	84.0	84.2	9.99	8.76	0.10	0.10	-13.28
GEW-051	2/8/2021 1:39:26 PM	55.1	43.5	0.0	1.4	82.6	82.8	8.33	8.78	0.12	0.13	-13.34
GEW-051	2/9/2021 9:22:12 AM	55.7	41.5	0.0	2.8	71.9	72.0	5.60	7.92	-0.30	-0.30	-14.20
GEW-051	2/19/2021 9:08:09 AM	53.4	43.5	0.0	3.1	71.4	72.2	7.30	7.46	-0.13	-0.13	-8.89
GEW-051	2/23/2021 9:23:16 AM	54.9	42.5	0.0	2.6	93.0	93.3	8.68	8.68	-0.31	-0.31	-13.53
GEW-052	2/1/2021 9:25:36 AM	42.5	35.0	0.0	22.5	90.3	89.9	4.39	2.54	-0.22	-0.24	-13.94
GEW-052	2/1/2021 9:27:25 AM	42.2	35.6	0.0	22.2	88.9	88.9	8.05	8.51	-0.21	-0.20	-14.20
GEW-052	2/8/2021 1:21:53 PM	51.5	38.6	0.0	9.9	88.9	88.6	10.58	9.85	0.00	0.00	-13.71
GEW-052	2/8/2021 1:28:29 PM	51.3	38.8	0.0	9.9	89.3	89.2	7.11	8.39	0.00	0.00	-13.77
GEW-052	2/9/2021 9:14:06 AM	42.9	35.0	0.0	22.1	84.7	84.5	9.18	7.33	-0.13	-0.11	-13.77
GEW-052	2/9/2021 9:15:47 AM	42.7	35.6	0.0	21.7	82.8	82.8	4.80	6.20	-0.14	-0.14	-13.71
GEW-052	2/19/2021 8:46:11 AM	49.1	36.6	0.0	14.3	87.7	87.9	9.65	9.45	-0.04	-0.04	-13.69
GEW-052	2/23/2021 9:04:37 AM	45.2	35.6	0.0	19.2	95.5	95.1	13.84	13.88	-0.09	-0.09	-13.95
GEW-052	2/23/2021 9:06:12 AM	44.9	36.1	0.0	19.0	95.5	95.3	7.75	8.23	-0.10	-0.11	-13.95
GEW-053	2/1/2021 9:56:58 AM	50.3	41.3	0.0	8.4	138.7	138.7	13.05	13.57	-0.60	-0.60	-14.36

February 2021 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	2/1/2021 9:58:37 AM	49.9	42.2	0.0	7.9	139.0	137.4	7.23	6.21	-0.60	-0.59	-14.32
GEW-053	2/8/2021 1:47:54 PM	50.2	41.4	0.0	8.4	133.8	132.9	12.71	11.25	-0.17	-0.17	-13.28
GEW-053	2/8/2021 1:53:28 PM	50.2	43.7	0.0	6.1	134.4	133.3	18.74	17.99	-0.11	-0.11	-13.28
GEW-053	2/19/2021 5:23:07 PM	26.0	30.1	0.0	43.9	135.0	135.0	34.37	34.57	-0.50	-0.51	-12.85
GEW-053	2/19/2021 5:28:39 PM	26.8	29.8	0.0	43.4	132.6	133.5	14.67	15.12	-0.41	-0.41	-12.56
GEW-053	2/19/2021 5:30:40 PM	26.8	31.0	0.0	42.2	132.6	132.9	17.28	16.66	-0.40	-0.40	-12.52
GEW-053	2/19/2021 5:38:09 PM	27.0	30.8	0.0	42.2	132.6	133.2	7.45	6.97	-0.40	-0.39	-12.81
GEW-053	2/20/2021 11:58:34 AM	32.4	34.1	0.0	33.5	139.4	139.6	15.51	10.81	-0.09	-0.09	-13.45
GEW-053	2/20/2021 12:01:20 PM	32.4	34.2	0.0	33.4	139.9	139.6	9.45	15.28	-0.09	-0.08	-13.62
GEW-053	2/21/2021 9:02:02 AM	39.2	37.2	0.0	23.6	137.4	138.3	0.00	0.00	-0.02	-0.04	-13.87
GEW-053	2/21/2021 9:04:33 AM	39.1	36.9	0.0	24.0	139.0	138.3	0.00	0.00	-0.03	-0.03	-13.83
GEW-053	2/22/2021 8:07:07 AM	42.3	37.0	0.0	20.7	134.7	135.0	35.96	35.90	-0.63	-0.66	-13.73
GEW-053	2/22/2021 8:09:24 AM	42.0	37.0	0.0	21.0	135.0	135.0	17.72	17.52	-0.62	-0.61	-13.69
GEW-053	2/22/2021 9:28:00 AM	42.3	36.8	0.0	20.9	136.5	136.2	7.92	7.46	-0.50	-0.51	-13.77
GEW-053	2/22/2021 9:32:04 AM	42.0	36.8	0.0	21.2	134.5	134.4	14.24	15.86	-0.39	-0.39	-13.77
GEW-053	2/23/2021 7:31:19 AM	44.8	39.0	0.0	16.2	140.2	140.5	38.47	37.37	-0.64	-0.63	-14.20
GEW-053	2/23/2021 7:36:33 AM	44.3	40.0	0.0	15.7	136.8	136.2	13.19	9.87	-0.53	-0.54	-13.86
GEW-053	2/24/2021 8:28:40 AM	43.7	40.6	0.0	15.7	132.3	131.8	15.44	24.99	-0.59	-0.64	-13.65
GEW-053	2/24/2021 8:33:53 AM	44.2	40.6	0.0	15.2	124.3	123.7	25.01	27.21	-0.44	-0.47	-13.69
GEW-053	2/24/2021 8:43:45 AM	44.1	41.3	0.0	14.6	119.4	118.6	0.00	0.00	-0.41	-0.44	-13.65
GEW-053	2/25/2021 8:12:01 AM	46.5	42.7	0.0	10.8	91.0	90.3	16.49	16.40	-0.29	-0.28	-13.52
GEW-053	2/26/2021 8:10:01 AM	46.3	44.0	0.0	9.7	104.1	104.8	0.00	0.00	0.20	0.20	-13.69
GEW-053	2/27/2021 7:48:51 AM	47.1	39.9	0.0	13.0	111.8	111.3	13.00	12.93	-0.42	-0.43	-13.14
GEW-053	2/27/2021 7:57:36 AM	46.7	40.1	0.0	13.2	110.8	110.6	4.83	4.83	-0.35	-0.35	-13.14
GEW-053	2/28/2021 8:18:06 AM	47.4	44.4	0.0	8.2	92.4	92.7	9.90	15.52	-0.09	-0.11	-13.27
GEW-054	2/1/2021 10:03:11 AM	53.5	42.9	0.0	3.6	144.5	144.5	24.29	24.29	-4.36	-4.36	-13.31
GEW-054	2/1/2021 10:06:04 AM	53.4	43.4	0.0	3.2	144.5	144.5	34.88	34.88	-4.41	-4.41	-14.03
GEW-054	2/8/2021 1:58:59 PM	53.4	42.0	0.0	4.6	144.5	144.5	46.66	46.66	-3.80	-3.80	-13.77
GEW-054	2/8/2021 2:05:26 PM	53.6	43.5	0.0	2.9	144.5	144.5	43.97	44.89	-3.74	-3.75	-13.83
GEW-054	2/19/2021 9:23:30 AM	53.8	41.8	0.0	4.4	141.5	141.5	39.66	38.74	-5.12	-5.07	-13.69
GEW-054	2/19/2021 9:25:14 AM	54.0	40.5	0.0	5.5	141.5	141.5	35.62	41.32	-5.12	-5.12	-14.36
GEW-054	2/23/2021 9:30:32 AM	53.9	42.0	0.0	4.1	144.9	144.9	41.13	41.13	-3.66	-3.66	-14.14
GEW-054	2/23/2021 9:32:55 AM	53.7	42.2	0.0	4.1	145.0	144.9	41.66	41.69	-3.67	-3.67	-13.53
GEW-055	2/1/2021 10:11:30 AM	52.9	42.3	0.0	4.8	113.1	113.5	4.20	5.88	-0.84	-0.85	-14.11
GEW-055	2/8/2021 2:10:55 PM	52.9	42.1	0.0	5.0	115.3	115.0	5.85	5.76	-0.36	-0.36	-13.10
GEW-055	2/8/2021 2:17:54 PM	52.6	42.8	0.0	4.6	116.0	115.5	5.72	7.39	-0.38	-0.38	-13.10
GEW-055	2/19/2021 3:18:26 PM	51.9	41.8	0.0	6.3	39.5	39.6	0.64	0.80	0.45	0.45	0.12
GEW-055	2/22/2021 10:00:22 AM	53.6	43.4	0.0	3.0	125.8	126.1	5.58	4.64	-0.68	-0.67	-13.83
GEW-056R	2/2/2021 10:20:29 AM	47.2	39.5	0.0	13.3	66.6	66.8	2.69	2.69	-0.33	-0.33	-19.58
GEW-056R	2/10/2021 11:36:49 AM	49.8	42.5	0.0	7.7	36.7	36.7	1.27	1.27	-0.18	-0.18	-21.40

February 2021 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-056R	2/10/2021 11:42:32 AM	49.7	41.9	0.0	8.4	37.4	37.4	2.83	2.19	-0.21	-0.22	-21.06
GEW-056R	2/18/2021 2:48:22 PM	52.4	45.9	0.0	1.7	55.9	55.8	1.73	2.44	-0.23	-0.23	-19.28
GEW-056R	2/24/2021 9:33:10 AM	49.6	43.3	0.0	7.1	71.8	72.3	2.90	3.13	-0.34	-0.34	-17.89
GEW-057B	2/3/2021 11:12:14 AM	9.2	47.1	2.8	40.9	65.1	65.1	1.33	1.33	-13.16	-13.16	-19.40
GEW-057B	2/22/2021 10:37:49 AM	11.2	49.5	1.8	37.5	57.7	57.7	3.21	3.21	-14.80	-14.80	-19.71
GEW-059R	2/3/2021 9:46:49 AM	29.0	42.6	0.0	28.4	85.8	86.1	4.77	4.74	-7.09	-7.09	-20.32
GEW-059R	2/22/2021 10:12:00 AM	26.1	43.0	0.0	30.9	82.1	82.1	4.25	4.97	-6.92	-6.92	-18.73
GEW-067A	2/3/2021 10:32:50 AM	10.2	57.1	0.0	32.7	178.6	176.9	9.59	7.71	-7.72	-7.72	-20.13
GEW-067A	2/3/2021 10:34:03 AM	10.1	56.2	0.0	33.7	178.9	178.0	2.56	1.94	-8.02	-8.02	-20.25
GEW-067A	2/19/2021 9:46:54 AM	24.6	40.6	0.5	34.3	52.6	52.3	6.53	7.95	-19.25	-19.25	-19.70
GEW-068A	2/4/2021 2:15:12 PM	30.1	51.1	0.0	18.8	163.5	163.3	13.08	13.08	-11.77	-11.77	-20.07
GEW-068A	2/4/2021 2:16:09 PM	30.0	51.4	0.0	18.6	163.3	163.3	12.71	12.71	-11.77	-11.77	-20.07
GEW-068A	2/19/2021 11:33:50 AM	33.2	50.1	0.0	16.7	167.1	166.8	13.25	14.02	-11.82	-11.82	-19.03
GEW-068A	2/19/2021 11:34:43 AM	33.1	50.1	0.0	16.8	167.1	167.1	13.53	13.39	-11.82	-11.82	-18.99
GEW-078R	2/5/2021 2:08:10 PM	25.9	39.1	0.1	34.9	153.9	151.3	30.46	30.87	-6.08	-6.08	-18.94
GEW-078R	2/5/2021 2:08:57 PM	25.4	40.3	0.0	34.3	152.9	152.9	29.43	29.53	-6.08	-6.08	-18.86
GEW-078R	2/19/2021 2:11:15 PM	22.0	39.6	0.0	38.4	152.9	152.9	27.74	27.44	-6.42	-6.42	-19.28
GEW-078R	2/19/2021 2:12:00 PM	21.5	40.4	0.0	38.1	153.3	153.3	27.98	27.55	-6.42	-6.42	-18.90
GEW-082R	2/4/2021 10:45:22 AM	12.5	43.7	0.0	43.8	169.0	168.1	3.60	2.64	-2.16	-2.16	-19.96
GEW-082R	2/4/2021 10:46:36 AM	12.3	44.7	0.0	43.0	169.5	169.5	2.23	2.23	-2.20	-2.20	-19.92
GEW-082R	2/19/2021 2:29:53 PM	9.3	35.8	0.2	54.7	170.5	169.0	1.99	1.73	-2.63	-2.63	-19.11
GEW-082R	2/19/2021 2:30:56 PM	9.3	36.4	0.2	54.1	170.6	169.6	2.81	2.44	-2.64	-2.66	-18.86
GEW-086	2/3/2021 10:46:43 AM	2.4	23.2	10.9	63.5	142.9	143.2	2.56	3.62	-0.17	-0.16	-20.00
GEW-086	2/3/2021 10:48:47 AM	2.5	22.0	10.3	65.2	133.3	133.5	7.44	6.72	-0.07	-0.07	-20.00
GEW-086	2/18/2021 8:55:33 AM	1.0	14.4	14.6	70.0	52.1	52.1	5.25	4.63	-0.48	-0.48	-20.01
GEW-086	2/18/2021 8:58:13 AM	0.5	9.4	15.3	74.8	49.6	49.4	2.49	2.78	-0.33	-0.33	-20.07
GEW-087	2/5/2021 2:03:52 PM	4.4	65.8	0.8	29.0	191.7	191.9	8.54	8.54	-17.88	-17.88	-19.03
GEW-087	2/5/2021 2:06:51 PM	4.3	69.1	0.0	26.6	185.1	182.8	4.71	3.80	-0.94	-0.94	-18.97
GEW-087	2/19/2021 3:30:41 PM	14.3	47.8	1.5	36.4	183.3	182.1	14.34	10.95	-17.90	-17.90	-19.66
GEW-087	2/19/2021 3:31:47 PM	13.6	49.5	1.5	35.4	183.3	181.5	10.65	9.68	-17.90	-17.90	-19.66
GEW-088	2/3/2021 10:27:30 AM	1.8	55.2	0.0	43.0	166.6	167.1	8.11	7.98	-0.02	-0.03	-20.00
GEW-088	2/3/2021 10:28:34 AM	1.7	55.9	0.0	42.4	166.2	165.7	10.22	10.76	-0.03	-0.02	-19.79
GEW-088	2/19/2021 9:36:30 AM	2.4	50.3	0.7	46.6	168.1	167.6	8.56	8.57	-0.89	-0.89	-19.53
GEW-088	2/19/2021 9:37:46 AM	2.2	52.5	0.7	44.6	167.1	165.7	10.38	10.16	-0.88	-0.88	-19.53
GEW-090	2/3/2021 9:33:24 AM	30.5	41.4	0.0	28.1	151.6	148.8	3.65	3.81	-7.18	-7.18	-20.55
GEW-090	2/4/2021 9:07:30 AM	31.5	44.7	0.2	23.6	151.0	150.3	4.07	4.07	-6.12	-6.12	-19.79
GEW-090	2/4/2021 9:08:31 AM	31.1	45.5	0.1	23.3	151.0	151.4	3.81	3.52	-5.91	-5.91	-19.87
GEW-090	2/19/2021 8:50:00 AM	31.5	46.3	0.0	22.2	156.2	155.2	4.49	3.77	-7.43	-7.43	-20.00
GEW-090	2/19/2021 8:51:17 AM	31.5	46.7	0.0	21.8	156.5	154.6	5.02	5.33	-7.43	-7.43	-20.04
GEW-091	2/2/2021 10:41:19 AM	2.9	57.2	0.0	39.9	197.9	197.9	8.81	9.06	-4.02	-4.03	-19.40

February 2021 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	2/2/2021 10:42:44 AM	2.6	61.4	0.0	36.0	197.9	197.9	13.15	12.70	-4.13	-4.14	-19.58
GEW-091	2/11/2021 11:48:22 AM	3.8	55.7	0.4	40.1	194.5	194.3	6.93	8.25	-4.82	-4.81	-19.87
GEW-091	2/11/2021 11:54:34 AM	2.9	60.0	0.5	36.6	196.4	196.4	4.54	4.73	-6.08	-6.08	-19.62
GEW-091	2/18/2021 3:20:21 PM	0.1	0.1	21.1	78.7	81.2	81.0	2.72	1.57	-19.04	-19.04	-19.28
GEW-091	2/18/2021 3:21:25 PM	0.1	0.0	21.1	78.8	79.1	77.7	1.93	2.50	-19.08	-19.08	-19.28
GEW-091	2/26/2021 1:52:16 PM	1.2	14.4	15.8	68.6	94.6	94.8	7.46	8.55	-11.47	-11.47	-18.97
GEW-091	2/26/2021 1:53:42 PM	1.1	12.6	16.2	70.1	92.7	92.4	5.82	5.13	-10.12	-10.12	-19.16
GEW-100	2/4/2021 2:25:21 PM	28.8	63.8	0.1	7.3	45.5	45.5	22.74	22.89	-16.53	-16.53	-19.83
GEW-100	2/22/2021 2:39:51 PM	22.3	53.7	0.5	23.5	69.1	69.1	13.17	13.07	-16.79	-16.79	-18.91
GEW-101	2/4/2021 2:36:09 PM	34.0	66.0	0.0	0.0	52.6	52.6	2.97	2.97	-9.11	-9.11	-19.34
GEW-101	2/25/2021 1:58:54 PM	36.2	61.2	0.0	2.6	74.2	74.3	5.21	3.49	-8.10	-8.10	-19.03
GEW-102	2/4/2021 1:58:20 PM	41.7	35.9	4.9	17.5	45.8	45.8	0.52	1.82	-19.23	-19.23	-19.95
GEW-102	2/22/2021 11:36:40 AM	16.7	40.5	6.2	36.6	59.0	59.0	0.80	1.21	-18.39	-18.39	-18.67
GEW-102	2/22/2021 11:37:53 AM	16.9	40.6	6.0	36.5	59.2	59.2	1.21	1.50	-18.39	-18.39	-18.73
GEW-104	2/3/2021 11:03:19 AM	3.0	60.9	0.0	36.1	191.7	192.3	15.23	13.77	-1.83	-1.84	-14.20
GEW-104	2/3/2021 11:04:46 AM	3.0	62.5	0.0	34.5	193.5	192.9	12.89	12.89	-1.87	-1.87	-15.12
GEW-104	2/19/2021 11:10:48 AM	16.0	55.6	0.0	28.4	188.9	187.0	12.09	12.65	-2.93	-2.91	-18.94
GEW-104	2/19/2021 11:11:58 AM	15.5	54.7	0.0	29.8	188.3	187.6	10.88	13.36	-3.05	-3.06	-18.90
GEW-105	2/3/2021 10:21:29 AM	48.2	49.9	0.0	1.9	66.4	66.5	8.13	6.11	-2.73	-2.72	-20.26
GEW-105	2/22/2021 10:49:14 AM	46.3	46.8	0.0	6.9	61.0	61.0	4.61	4.61	-4.40	-4.40	-19.09
GEW-106	2/3/2021 10:14:31 AM	9.3	37.1	9.1	44.5	53.7	53.9	5.25	5.27	-0.89	-0.90	-20.26
GEW-106	2/3/2021 10:16:11 AM	9.1	35.9	9.4	45.6	49.9	49.9	1.08	2.06	-0.06	-0.07	-20.32
GEW-106	2/18/2021 2:10:53 PM	4.6	34.6	9.1	51.7	57.2	57.2	1.73	1.23	-0.28	-0.27	-19.95
GEW-106	2/18/2021 2:12:33 PM	4.6	34.9	9.0	51.5	57.0	57.0	2.46	2.46	-0.13	-0.13	-19.89
GEW-107	2/3/2021 9:57:34 AM	48.3	48.4	0.1	3.2	89.7	89.8	12.50	11.25	-2.31	-2.32	-20.26
GEW-107	2/22/2021 10:21:34 AM	46.8	47.2	0.0	6.0	86.8	86.8	12.37	12.67	-2.70	-2.70	-18.73
GEW-108	2/2/2021 10:26:14 AM	43.3	44.3	0.0	12.4	106.7	107.0	3.35	3.35	-1.80	-1.80	-19.16
GEW-108	2/11/2021 9:58:05 AM	45.3	44.6	0.0	10.1	59.7	59.7	2.70	2.42	-1.44	-1.45	-13.53
GEW-108	2/11/2021 10:03:42 AM	44.4	45.6	0.0	10.0	60.5	60.6	2.70	2.09	-1.53	-1.53	-13.70
GEW-108	2/18/2021 2:58:55 PM	46.7	46.4	0.0	6.9	66.0	65.8	2.91	2.06	-3.48	-3.46	-18.77
GEW-108	2/24/2021 9:44:04 AM	42.2	46.2	0.0	11.6	108.2	108.1	9.24	8.34	-1.91	-1.93	-17.84
GEW-109	2/2/2021 10:24:45 AM	47.9	41.3	0.8	10.0	51.0	51.0	3.51	5.68	-0.87	-0.87	-19.16
GEW-109	2/11/2021 9:46:52 AM	54.2	38.2	1.4	6.2	20.4	20.4	31.89	31.89	-0.62	-0.62	-13.53
GEW-109	2/11/2021 9:52:40 AM	51.5	40.3	1.3	6.9	21.3	21.3	32.24	32.26	-0.60	-0.60	-13.53
GEW-109	2/18/2021 2:55:34 PM	50.7	41.6	1.3	6.4	45.2	45.2	2.78	2.49	-0.93	-0.92	-19.62
GEW-109	2/24/2021 9:40:11 AM	48.4	40.8	1.7	9.1	64.8	64.9	2.68	2.94	-1.07	-1.07	-17.59
GEW-110	2/2/2021 10:14:10 AM	50.3	43.9	0.0	5.8	83.3	83.3	2.01	2.01	-2.06	-2.06	-19.58
GEW-110	2/10/2021 10:53:26 AM	48.7	46.2	0.9	4.2	42.5	42.5	7.49	5.44	-2.30	-2.29	-21.23
GEW-110	2/10/2021 10:58:51 AM	48.5	43.3	1.1	7.1	42.1	42.1	3.95	3.53	-2.41	-2.41	-20.93
GEW-110	2/18/2021 2:45:04 PM	50.1	46.7	0.8	2.4	65.6	65.6	1.69	2.67	-2.48	-2.48	-19.28

February 2021 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-110	2/24/2021 9:27:20 AM	50.4	46.6	0.0	3.0	100.2	100.1	3.54	2.24	-2.16	-2.15	-17.97
GEW-113	2/3/2021 2:22:45 PM	15.0	64.7	0.1	20.2	173.1	172.6	10.02	9.58	-1.57	-1.57	-18.94
GEW-113	2/3/2021 2:23:38 PM	14.9	63.1	0.1	21.9	173.1	173.1	10.12	9.25	-1.58	-1.59	-19.20
GEW-113	2/19/2021 10:29:08 AM	15.7	62.2	0.3	21.8	176.1	175.8	10.49	10.26	-1.75	-1.76	-19.49
GEW-113	2/19/2021 10:29:59 AM	15.3	64.3	0.3	20.1	175.8	175.8	9.83	9.92	-1.77	-1.77	-19.53
GEW-116	2/4/2021 10:01:35 AM	35.8	64.2	0.0	0.0	92.4	92.7	10.52	8.91	-0.19	-0.20	-19.15
GEW-116	2/25/2021 9:29:09 AM	29.2	45.9	4.8	20.1	95.2	95.3	6.62	6.62	-0.19	-0.19	-18.35
GEW-116	2/25/2021 9:30:36 AM	28.9	46.6	4.8	19.7	94.6	94.5	4.25	1.61	-0.10	-0.10	-18.60
GEW-117	2/4/2021 10:13:01 AM	40.9	59.1	0.0	0.0	80.7	80.5	7.63	7.38	-14.23	-14.23	-19.83
GEW-117	2/22/2021 2:27:46 PM	29.3	54.4	0.1	16.2	107.0	107.0	12.22	6.74	-11.82	-11.82	-19.28
GEW-118	2/4/2021 10:58:45 AM	4.1	65.7	0.0	30.2	199.4	199.3	18.81	18.64	-1.09	-1.08	-20.25
GEW-118	2/4/2021 11:01:07 AM	3.8	65.4	0.0	30.8	199.3	199.3	20.00	18.64	-1.21	-1.23	-20.30
GEW-118	2/19/2021 2:52:54 PM	14.7	49.8	0.1	35.4	183.3	182.7	13.53	12.09	-11.82	-11.82	-19.32
GEW-118	2/19/2021 2:54:11 PM	14.6	49.4	0.1	35.9	183.3	183.3	12.07	11.17	-12.16	-12.16	-19.62
GEW-120	2/4/2021 10:18:49 AM	48.4	51.4	0.2	0.0	86.3	86.1	7.77	10.70	-2.87	-2.87	-19.83
GEW-120	2/22/2021 2:34:21 PM	9.1	24.7	3.8	62.4	109.5	109.2	19.65	20.98	-9.46	-9.46	-19.79
GEW-121	2/4/2021 10:36:09 AM	41.4	56.2	0.3	2.1	119.2	119.9	3.75	6.11	-2.69	-2.69	-18.60
GEW-121	2/22/2021 2:50:25 PM	22.6	30.9	0.2	46.3	109.0	109.2	5.04	8.45	-2.95	-2.94	-17.21
GEW-122	2/4/2021 11:19:27 AM	47.9	42.4	0.1	9.6	53.0	53.1	7.11	7.71	-3.23	-3.24	-19.66
GEW-122	2/25/2021 9:39:17 AM	42.9	39.0	0.0	18.1	60.7	60.7	3.38	3.38	-5.74	-5.74	-18.60
GEW-123	2/4/2021 2:48:43 PM	42.1	56.5	1.4	0.0	43.6	43.6	3.95	3.54	-0.57	-0.57	-19.92
GEW-123	2/24/2021 2:26:31 PM	31.9	61.3	1.0	5.8	62.8	62.8	2.41	4.82	-0.80	-0.79	-19.03
GEW-124	2/5/2021 9:31:31 AM	43.3	31.4	5.7	19.6	45.9	46.1	1.07	0.70	-19.88	-19.88	-19.66
GEW-124	2/5/2021 9:32:42 AM	44.5	32.1	4.9	18.5	46.1	46.2	0.52	0.87	-19.59	-19.59	-19.28
GEW-124	2/24/2021 2:34:35 PM	39.4	30.7	6.2	23.7	62.4	62.4	0.54	0.51	-18.57	-18.57	-19.03
GEW-124	2/24/2021 2:36:50 PM	44.2	31.4	4.9	19.5	61.8	61.8	0.51	1.08	-18.57	-18.57	-19.07
GEW-125	2/5/2021 9:42:23 AM	42.3	36.6	0.5	20.6	46.1	46.2	3.26	1.74	-4.00	-4.00	-18.99
GEW-125	2/24/2021 2:49:03 PM	39.6	37.1	0.9	22.4	59.5	59.6	2.08	2.08	-3.76	-3.76	-19.41
GEW-126	2/5/2021 9:59:55 AM	32.3	32.6	1.9	33.2	46.4	46.4	4.90	4.90	-6.84	-6.84	-19.58
GEW-126	2/24/2021 3:03:14 PM	27.6	29.5	2.3	40.6	58.2	58.2	5.73	3.78	-7.43	-7.43	-19.49
GEW-127	2/5/2021 10:07:00 AM	21.2	38.6	4.5	35.7	52.3	52.5	50.82	50.79	-0.11	-0.11	-19.66
GEW-127	2/24/2021 3:16:24 PM	22.9	36.3	3.9	36.9	62.3	62.1	1.21	2.70	-0.13	-0.13	-19.66
GEW-129	2/5/2021 9:34:26 AM	37.4	52.8	0.0	9.8	86.3	86.3	22.53	22.77	-2.79	-2.79	-20.07
GEW-129	2/25/2021 10:22:33 AM	26.9	43.6	0.7	28.8	111.0	111.0	23.64	23.04	-3.12	-3.12	-18.52
GEW-130	2/5/2021 2:17:42 PM	21.9	41.9	1.2	35.0	135.9	136.5	4.52	4.86	-11.13	-11.13	-19.03
GEW-130	2/5/2021 2:18:40 PM	22.3	40.5	1.1	36.1	136.7	136.5	9.71	9.26	-11.13	-11.13	-19.09
GEW-130	2/19/2021 11:39:15 AM	25.5	42.8	0.0	31.7	120.7	120.7	6.65	7.43	-13.17	-13.17	-18.90
GEW-131	2/5/2021 2:22:29 PM	45.9	43.9	0.0	10.2	99.9	100.1	4.73	5.46	-6.83	-6.83	-18.54
GEW-131	2/25/2021 9:45:15 AM	45.2	49.4	0.0	5.4	94.6	94.6	13.67	14.72	-8.82	-8.82	-18.27
GEW-132	2/4/2021 10:41:57 AM	22.8	47.8	0.0	29.4	80.9	81.0	1.65	1.65	-0.48	-0.49	-19.79

February 2021 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-132	2/22/2021 3:09:48 PM	15.4	35.7	0.4	48.5	87.4	87.2	2.57	1.99	-1.43	-1.43	-19.11
GEW-133	2/4/2021 10:09:49 AM	12.8	56.6	0.0	30.6	50.7	50.7	5.38	3.70	-0.39	-0.38	-18.82
GEW-133	2/22/2021 2:20:08 PM	6.0	44.0	4.9	45.1	68.8	69.3	4.75	6.71	-1.85	-1.84	-19.03
GEW-134	2/4/2021 9:49:37 AM	15.0	49.9	0.0	35.1	40.9	41.0	3.33	2.81	-0.04	-0.03	-19.75
GEW-134	2/22/2021 11:30:59 AM	19.4	43.8	0.6	36.2	59.0	59.2	1.72	1.21	-0.13	-0.14	-18.60
GEW-135	2/4/2021 9:20:55 AM	6.2	56.8	0.0	37.0	49.3	49.6	4.11	3.03	-0.01	-0.02	-17.25
GEW-135	2/22/2021 11:11:39 AM	5.3	53.7	0.3	40.7	66.1	66.6	2.08	1.69	-0.10	-0.12	-16.79
GEW-137	2/3/2021 3:01:10 PM	41.5	47.7	0.0	10.8	56.4	56.5	2.11	2.11	-1.48	-1.48	-18.94
GEW-137	2/22/2021 3:13:55 PM	44.5	46.1	0.0	9.4	61.9	61.9	3.61	3.40	-1.54	-1.53	-19.07
GEW-139	2/5/2021 2:25:46 PM	13.2	47.3	1.2	38.3	62.6	62.6	5.00	2.97	-0.75	-0.75	-18.79
GEW-139	2/25/2021 11:31:19 AM	13.0	43.8	4.3	38.9	63.3	63.3	1.20	1.20	-1.68	-1.68	-18.82
GEW-140	2/5/2021 2:31:55 PM	32.4	46.9	0.0	20.7	53.0	52.9	3.48	3.89	-2.35	-2.36	-16.83
GEW-140	2/22/2021 1:58:30 PM	38.3	46.8	0.0	14.9	60.9	61.0	2.10	2.71	-1.87	-1.89	-17.07
GEW-144	2/5/2021 10:09:22 AM	36.0	32.9	7.1	24.0	43.1	43.1	0.22	0.22	-16.83	-16.83	-19.46
GEW-144	2/5/2021 10:11:28 AM	40.0	36.1	4.9	19.0	43.1	43.0	0.18	0.18	-18.56	-18.56	-20.26
GEW-144	2/22/2021 2:28:36 PM	41.0	34.7	4.9	19.4	62.5	62.6	0.37	0.37	-17.55	-17.55	-18.91
GEW-145	2/4/2021 1:48:46 PM	25.7	44.6	1.8	27.9	43.8	43.8	2.18	2.18	-1.33	-1.33	-19.71
GEW-145	2/22/2021 11:25:29 AM	23.3	45.5	1.9	29.3	60.7	60.7	3.33	3.10	-3.82	-3.81	-19.03
GEW-147	2/3/2021 2:10:33 PM	18.6	49.3	0.6	31.5	151.7	151.0	20.91	21.16	-4.66	-4.65	-19.20
GEW-147	2/3/2021 2:11:19 PM	18.3	48.9	0.5	32.3	151.7	151.6	15.39	15.35	-4.73	-4.73	-19.11
GEW-147	2/19/2021 10:39:16 AM	19.3	52.2	1.0	27.5	138.6	138.3	26.32	26.22	-6.42	-6.42	-19.32
GEW-147	2/19/2021 10:40:14 AM	19.5	50.6	1.0	28.9	139.0	139.0	25.28	25.40	-6.75	-6.75	-19.49
GEW-148	2/3/2021 11:11:05 AM	27.5	57.2	0.1	15.2	125.3	125.4	10.95	8.46	-10.64	-10.64	-19.87
GEW-148	2/22/2021 10:38:35 AM	25.1	62.4	0.0	12.5	117.6	118.1	7.56	7.40	-12.37	-12.37	-18.99
GEW-149	2/3/2021 9:50:28 AM	4.3	21.3	3.3	71.1	44.3	44.3	1.77	1.25	-0.02	-0.02	-20.47
GEW-149	2/22/2021 10:20:23 AM	5.2	18.5	6.7	69.6	52.5	52.6	3.89	4.43	-0.29	-0.28	-18.60
GEW-149	2/22/2021 10:22:06 AM	5.1	17.8	6.7	70.4	52.7	52.6	2.13	3.69	-0.29	-0.30	-18.60
GEW-150	2/3/2021 10:53:01 AM	30.1	47.5	0.9	21.5	134.7	135.3	35.40	34.65	-1.21	-1.21	-19.58
GEW-150	2/3/2021 10:54:51 AM	29.9	48.0	0.9	21.2	135.6	136.5	32.95	33.00	-1.24	-1.25	-19.40
GEW-150	2/19/2021 11:06:40 AM	29.4	47.5	1.4	21.7	126.4	126.9	23.88	24.00	-1.68	-1.68	-18.94
GEW-152	2/3/2021 10:00:12 AM	28.6	42.9	2.1	26.4	45.3	45.3	5.16	4.34	-1.26	-1.26	-20.32
GEW-152	2/22/2021 10:24:31 AM	26.7	46.5	1.2	25.6	52.6	51.2	2.59	3.98	-1.84	-1.83	-18.24
GEW-153	2/3/2021 9:49:13 AM	34.5	37.3	0.0	28.2	68.6	68.6	3.16	2.39	-2.91	-2.91	-20.75
GEW-153	2/22/2021 10:14:09 AM	31.9	37.5	0.0	30.6	69.3	69.3	2.50	3.84	-3.31	-3.31	-19.09
GEW-156	2/3/2021 9:43:35 AM	30.0	46.0	0.1	23.9	86.1	86.1	3.44	3.24	-6.07	-6.07	-20.38
GEW-156	2/22/2021 10:09:02 AM	28.9	43.9	0.0	27.2	83.2	83.3	3.38	3.75	-6.24	-6.24	-19.09
GEW-157	2/3/2021 11:07:21 AM	10.0	59.0	0.0	31.0	49.0	49.0	3.13	2.87	0.07	0.08	-19.52
GEW-157	2/3/2021 11:09:03 AM	10.2	58.3	0.0	31.5	47.4	47.3	4.56	2.59	-0.46	-0.45	-19.52
GEW-157	2/22/2021 10:40:48 AM	16.2	43.5	1.4	38.9	51.0	50.4	2.60	2.29	-0.77	-0.77	-19.09
GEW-158	2/3/2021 10:18:58 AM	32.9	51.0	0.1	16.0	65.9	66.1	5.52	6.14	-1.06	-1.06	-20.20

February 2021 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-158	2/22/2021 10:51:26 AM	34.2	48.5	0.0	17.3	58.1	58.1	4.51	4.67	-0.77	-0.77	-19.16
GEW-160	2/2/2021 10:38:20 AM	30.7	42.2	0.0	27.1	50.7	50.7	2.75	2.75	-4.81	-4.81	-19.16
GEW-160	2/11/2021 11:40:08 AM	27.1	39.2	2.3	31.4	30.5	30.5	1.80	1.80	-4.27	-4.27	-19.92
GEW-160	2/11/2021 11:45:11 AM	32.8	38.6	0.5	28.1	30.2	30.2	1.80	1.80	-4.46	-4.47	-19.62
GEW-160	2/18/2021 3:12:30 PM	31.6	37.6	1.7	29.1	52.1	52.1	1.72	1.72	-4.83	-4.83	-19.24
GEW-160	2/24/2021 9:57:22 AM	32.3	36.6	1.9	29.2	61.8	61.9	1.19	1.69	-5.40	-5.40	-17.93
GEW-161	2/2/2021 10:36:08 AM	14.4	55.3	0.0	30.3	62.8	63.2	0.93	1.50	-3.51	-3.51	-19.28
GEW-161	2/11/2021 11:31:13 AM	15.2	54.7	0.7	29.4	38.4	38.5	1.78	3.32	-3.10	-3.11	-19.79
GEW-161	2/11/2021 11:36:36 AM	15.8	55.3	0.2	28.7	40.3	40.5	2.50	1.77	-3.08	-3.09	-19.62
GEW-161	2/18/2021 3:09:24 PM	15.5	56.1	0.4	28.0	59.9	59.9	5.76	3.18	-3.69	-3.68	-18.94
GEW-161	2/24/2021 9:53:46 AM	14.5	49.5	1.3	34.7	70.0	70.2	4.08	2.88	-4.20	-4.20	-17.97
GEW-162	2/2/2021 10:33:25 AM	21.5	63.4	0.0	15.1	49.3	49.5	1.76	1.76	-1.75	-1.75	-19.65
GEW-162	2/11/2021 11:20:24 AM	23.3	66.2	0.0	10.5	25.3	25.2	2.59	3.17	-1.61	-1.61	-20.30
GEW-162	2/11/2021 11:27:14 AM	22.8	67.1	0.1	10.0	23.3	23.3	2.91	2.91	-1.57	-1.57	-19.79
GEW-162	2/18/2021 3:06:25 PM	24.0	65.6	0.2	10.2	42.7	43.4	3.95	3.06	-1.69	-1.69	-19.28
GEW-162	2/24/2021 9:50:58 AM	22.4	63.2	0.4	14.0	62.3	62.3	3.40	2.08	-1.97	-1.96	-17.93
GEW-163	2/4/2021 2:44:24 PM	45.7	51.3	1.6	1.4	58.5	58.7	2.84	2.84	-7.09	-7.09	-19.92
GEW-163	2/24/2021 2:20:46 PM	37.5	59.6	0.1	2.8	74.8	74.8	12.80	10.07	-0.98	-0.99	-19.45
GEW-164	2/4/2021 2:52:23 PM	48.2	51.8	0.0	0.0	99.9	100.9	16.92	13.62	-0.09	-0.10	-19.92
GEW-164	2/24/2021 2:29:58 PM	36.7	53.4	0.0	9.9	115.8	116.0	16.22	16.22	-0.49	-0.49	-17.80
GEW-165	2/5/2021 9:38:08 AM	20.4	51.1	5.5	23.0	108.0	108.2	7.46	7.91	-0.02	-0.02	-19.66
GEW-165	2/5/2021 9:38:56 AM	20.8	49.4	5.5	24.3	107.5	107.6	10.22	12.09	-0.04	-0.04	-19.20
GEW-165	2/18/2021 3:19:21 PM	22.4	44.0	5.7	27.9	101.8	101.3	8.90	10.04	-0.11	-0.11	-19.58
GEW-165	2/18/2021 3:20:48 PM	21.6	45.4	5.5	27.5	101.8	101.7	4.65	5.37	-0.09	-0.10	-19.65
GEW-166	2/5/2021 2:29:51 PM	5.7	60.0	0.0	34.3	156.5	153.3	5.40	5.13	-1.24	-1.24	-18.86
GEW-166	2/5/2021 2:30:37 PM	5.2	62.4	0.0	32.4	156.9	156.9	5.20	4.44	-1.23	-1.23	-18.94
GEW-166	2/19/2021 3:12:50 PM	9.9	56.3	0.0	33.8	137.7	137.6	2.55	4.65	-5.78	-5.78	-19.41
GEW-166	2/19/2021 3:13:37 PM	10.0	56.8	0.0	33.2	137.7	138.0	5.30	4.29	-5.87	-5.87	-19.28
GEW-167	2/4/2021 11:23:20 AM	14.7	56.7	0.0	28.6	81.4	81.4	3.29	4.93	-0.73	-0.72	-19.62
GEW-167	2/25/2021 9:42:13 AM	14.5	50.1	0.0	35.4	109.0	109.1	1.55	3.10	-4.24	-4.24	-18.65
GEW-168	2/5/2021 9:48:23 AM	32.7	51.5	1.2	14.6	61.1	61.4	4.05	4.96	-1.21	-1.21	-18.56
GEW-168	2/24/2021 2:54:55 PM	41.1	52.7	1.1	5.1	74.3	74.1	6.84	5.59	-1.44	-1.44	-19.37
GEW-169	2/5/2021 10:03:08 AM	30.0	41.0	3.4	25.6	60.1	60.2	4.99	4.07	-0.03	-0.04	-19.37
GEW-169	2/24/2021 3:09:06 PM	21.1	31.9	7.4	39.6	69.1	69.2	6.33	6.93	-0.10	-0.10	-19.66
GEW-169	2/24/2021 3:09:57 PM	21.1	32.8	7.3	38.8	69.3	69.2	5.66	5.66	-0.08	-0.08	-19.62
GEW-170	2/5/2021 10:10:04 AM	11.0	26.6	9.6	52.8	62.6	62.6	4.96	4.96	-0.13	-0.13	-19.15
GEW-170	2/5/2021 10:11:25 AM	10.9	25.9	9.7	53.5	62.6	62.8	2.86	4.05	-0.13	-0.13	-19.32
GEW-170	2/18/2021 3:26:01 PM	12.9	31.3	8.1	47.7	69.5	69.7	7.53	7.53	-0.20	-0.20	-19.52
GEW-170	2/18/2021 3:27:01 PM	13.0	30.2	8.2	48.6	70.2	70.2	6.36	4.92	-0.20	-0.21	-19.65
GEW-171	2/4/2021 2:22:19 PM	23.4	55.0	2.1	19.5	44.9	44.9	3.53	3.30	-3.35	-3.36	-17.99

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Well Name	Date Sampled	Methane	CO ₂	O ₂	Balance Gas	Init Temp	Adj Temp	Init Flow	Adj Flow	Init Static Press	Adj Static Press	System Pressure
		(% vol)				°F		scfm		H ₂ O		
GEW-171	2/22/2021 2:46:13 PM	18.0	53.2	1.2	27.6	60.5	60.5	4.04	5.44	-0.91	-0.91	-16.89
GEW-172	2/5/2021 9:47:49 AM	22.6	53.0	1.0	23.4	87.0	87.0	5.46	3.86	-3.70	-3.69	-19.22
GEW-172	2/25/2021 10:35:50 AM	30.7	47.0	2.6	19.7	94.6	93.9	4.62	2.67	-5.07	-5.07	-18.27
GEW-174	2/5/2021 10:15:23 AM	17.6	32.9	2.0	47.5	126.9	126.9	50.11	50.11	-15.44	-15.44	-19.65
GEW-174	2/5/2021 10:24:15 AM	17.2	32.9	2.2	47.7	125.6	125.8	43.23	41.61	-13.83	-13.83	-20.44
GEW-174	2/22/2021 2:07:41 PM	17.0	33.5	1.0	48.5	128.0	128.3	37.81	37.81	-12.15	-12.15	-19.46
GEW-175	2/3/2021 10:42:53 AM	13.0	19.1	11.4	56.5	50.8	51.0	5.90	5.90	0.01	0.01	-19.52
GEW-175	2/3/2021 10:44:38 AM	13.1	18.6	11.5	56.8	52.4	52.4	7.21	7.76	-0.05	-0.04	-20.07
GEW-175	2/18/2021 2:19:48 PM	31.7	34.6	2.3	31.4	53.7	53.9	16.08	17.61	-0.04	-0.04	-19.58
GEW-177	2/5/2021 9:30:20 AM	16.9	47.0	1.4	34.7	152.1	152.1	24.42	25.32	-15.18	-15.18	-19.95
GEW-177	2/5/2021 9:31:49 AM	16.6	47.9	1.2	34.3	152.1	153.1	5.90	5.90	-15.39	-15.39	-20.20
GEW-177	2/19/2021 3:19:40 PM	16.9	52.3	2.1	28.7	138.0	137.7	9.01	10.22	-15.58	-15.58	-19.20
GEW-177	2/19/2021 3:21:11 PM	17.2	51.2	2.1	29.5	136.8	137.4	5.40	4.82	-15.58	-15.58	-19.45
GEW-178	2/3/2021 2:56:25 PM	52.3	43.0	0.3	4.4	57.1	57.1	3.68	3.01	-0.12	-0.11	-18.97
GEW-178	2/22/2021 11:13:14 AM	51.6	43.9	0.3	4.2	53.7	53.7	3.98	5.72	-0.11	-0.12	-19.09
GEW-179	2/4/2021 2:08:45 PM	54.6	45.4	0.0	0.0	53.9	53.9	2.76	2.76	-0.39	-0.39	-19.58
GEW-179	2/22/2021 2:12:48 PM	35.0	48.1	0.0	16.9	78.6	78.7	11.73	11.32	-6.07	-6.07	-19.16
GEW-180	2/4/2021 2:44:32 PM	38.5	58.4	0.4	2.7	52.4	52.6	6.16	6.05	-17.55	-17.55	-19.89
GEW-180	2/25/2021 1:52:14 PM	39.0	52.3	0.4	8.3	68.1	68.1	2.58	2.58	-17.04	-17.04	-18.79
GEW-181	2/4/2021 2:33:23 PM	35.4	63.0	0.0	1.6	45.8	45.8	10.24	11.18	-18.22	-18.22	-19.89
GEW-181	2/22/2021 2:33:13 PM	29.7	69.2	0.0	1.1	60.7	61.0	15.66	17.47	-17.38	-17.38	-18.85
GEW-185	2/4/2021 10:24:45 AM	43.7	56.2	0.1	0.0	60.9	60.8	1.71	4.19	-0.46	-0.45	-19.62
GEW-185	2/22/2021 2:41:19 PM	21.4	30.7	2.7	45.2	121.3	121.5	23.63	20.82	-6.08	-6.08	-19.66
GEW-186	2/5/2021 10:15:28 AM	33.1	39.5	4.2	23.2	59.2	58.7	5.57	4.21	-0.06	-0.06	-19.62
GEW-186	2/24/2021 3:22:03 PM	28.9	34.6	6.3	30.2	79.4	79.4	3.88	4.05	-0.19	-0.19	-19.87
GEW-186	2/24/2021 3:23:51 PM	28.9	34.6	6.3	30.2	75.0	75.0	1.67	1.67	-0.09	-0.09	-19.66
GEW-187	2/2/2021 10:29:15 AM	46.5	50.9	0.0	2.6	93.9	93.6	9.98	11.15	-3.03	-3.03	-19.09
GEW-187	2/11/2021 10:16:53 AM	47.5	52.5	0.0	0.0	71.4	71.3	9.80	10.75	-2.46	-2.44	-14.08
GEW-187	2/11/2021 10:22:27 AM	47.1	52.9	0.0	0.0	70.9	72.3	14.07	12.30	-2.45	-2.45	-14.29
GEW-187	2/18/2021 3:02:21 PM	47.5	52.5	0.0	0.0	80.1	80.8	13.11	10.91	-3.06	-3.08	-18.77
GEW-187	2/24/2021 9:46:59 AM	46.5	53.0	0.0	0.5	94.6	94.4	11.17	11.62	-3.05	-3.06	-17.67
GEW-217	2/3/2021 2:48:49 PM	33.2	44.9	0.9	21.0	62.3	62.3	1.67	2.64	-12.15	-12.15	-19.28
GEW-217	2/22/2021 11:19:39 AM	46.6	40.3	1.9	11.2	49.7	49.8	0.75	1.50	-18.39	-18.39	-19.03
GEW-218	2/3/2021 11:15:44 AM	7.0	33.1	7.7	52.2	68.8	68.9	10.36	10.77	-0.65	-0.65	-19.34
GEW-218	2/3/2021 11:18:57 AM	7.1	32.8	7.8	52.3	66.8	65.5	8.40	7.89	-0.45	-0.45	-19.58
GEW-218	2/18/2021 2:23:15 PM	5.0	28.6	8.5	57.9	54.2	54.2	11.76	12.45	-0.66	-0.65	-19.71
GEW-218	2/18/2021 2:24:54 PM	4.5	30.9	8.6	56.0	52.1	52.1	4.29	4.29	-0.41	-0.41	-20.32
GEW-220	2/4/2021 2:12:34 PM	31.5	45.7	0.1	22.7	52.0	52.1	2.43	2.43	-8.77	-8.77	-19.83
GEW-220	2/22/2021 2:09:27 PM	23.7	53.0	0.0	23.3	70.2	70.2	3.11	3.90	-7.42	-7.42	-19.03
GEW-221	2/4/2021 2:47:34 PM	27.4	43.1	1.0	28.5	49.0	48.9	4.33	1.70	-15.10	-15.10	-19.52

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Well Name	Date Sampled	Methane	CO ₂	O ₂	Balance Gas	Init Temp	Adj Temp	Init Flow	Adj Flow	Init Static Press	Adj Static Press	System Pressure
		(% vol)				°F		scfm		H ₂ O		
GEW-221	2/22/2021 2:20:30 PM	28.9	36.9	0.7	33.5	62.6	62.8	4.17	4.18	-15.86	-15.86	-18.91
GEW-222	2/4/2021 2:18:55 PM	50.8	44.7	0.7	3.8	47.4	47.4	5.68	7.56	-13.33	-13.33	-19.22
GEW-222	2/25/2021 2:02:36 PM	49.9	41.7	0.6	7.8	65.4	65.4	3.85	3.85	-15.86	-15.86	-19.16
GEW-223	2/5/2021 9:56:05 AM	35.3	63.8	0.0	0.9	94.6	94.6	8.29	10.10	-5.74	-5.74	-19.71
GEW-223	2/25/2021 10:32:13 AM	37.8	62.2	0.0	0.0	121.3	121.3	5.46	5.46	-5.07	-5.07	-18.65
GEW-224	2/5/2021 9:40:45 AM	29.8	46.7	4.5	19.0	121.8	121.8	15.10	15.50	-15.52	-15.52	-19.65
GEW-224	2/25/2021 10:49:44 AM	28.4	43.7	4.9	23.0	133.8	133.8	13.94	13.25	-14.18	-14.18	-18.22
GEW-224	2/25/2021 10:50:50 AM	28.3	43.2	4.8	23.7	133.2	133.2	15.96	13.92	-14.18	-14.18	-18.05
GEW-225	2/5/2021 9:42:50 AM	22.2	52.3	0.2	25.3	136.5	136.8	10.96	9.23	-7.42	-7.42	-20.07
GEW-225	2/5/2021 9:43:51 AM	21.8	53.2	0.1	24.9	136.6	136.8	10.35	8.68	-7.34	-7.34	-20.38
GEW-225	2/19/2021 3:25:37 PM	29.3	52.6	0.4	17.7	109.2	109.2	8.73	11.05	-9.12	-9.12	-19.53
GEW-226	2/5/2021 2:28:07 PM	35.8	47.6	0.0	16.6	152.9	153.3	15.53	15.60	-1.99	-1.98	-13.34
GEW-226	2/5/2021 2:29:18 PM	36.0	45.8	0.0	18.2	153.3	153.7	14.79	14.52	-1.98	-1.98	-14.14
GEW-226	2/19/2021 2:01:03 PM	39.3	40.2	0.1	20.4	124.2	124.2	17.43	18.04	-4.13	-4.12	-18.27
GEW-227	2/4/2021 9:24:39 AM	9.2	56.6	0.0	34.2	155.2	157.3	2.90	2.70	0.10	0.10	-19.83
GEW-227	2/4/2021 9:27:08 AM	9.0	57.8	0.0	33.2	168.6	170.5	2.46	5.48	-0.04	-0.04	-19.66
GEW-227	2/19/2021 3:05:59 PM	4.9	41.8	3.5	49.8	161.8	162.0	10.91	7.71	-0.42	-0.43	-19.37
GEW-227	2/19/2021 3:07:21 PM	4.9	40.6	3.5	51.0	153.3	153.3	4.82	5.34	-0.21	-0.22	-19.07
GEW-228	2/3/2021 2:46:27 PM	5.9	23.8	8.9	61.4	157.0	157.7	4.68	4.33	-0.01	-0.01	-18.86
GEW-228	2/3/2021 2:49:28 PM	6.0	24.6	8.8	60.6	158.7	158.5	4.56	4.33	-0.01	-0.01	-18.90
GEW-228	2/18/2021 9:07:54 AM	0.7	15.8	14.7	68.8	149.9	149.5	3.29	3.45	0.05	0.05	-20.44
GEW-228	2/18/2021 9:09:42 AM	0.7	17.8	14.5	67.0	155.3	156.0	3.92	3.92	-0.01	-0.01	-20.13
GEW-229	2/3/2021 2:53:33 PM	2.5	12.4	10.8	74.3	90.1	90.1	4.44	5.13	-0.07	-0.06	-18.65
GEW-229	2/3/2021 2:54:25 PM	2.4	12.0	10.7	74.9	90.2	90.1	13.41	12.82	-0.08	-0.07	-18.94
GEW-229	2/18/2021 9:25:15 AM	0.3	13.1	12.3	74.3	66.8	66.8	7.99	6.26	-0.05	-0.05	-20.69
GEW-229	2/18/2021 9:26:35 AM	0.3	11.6	12.4	75.7	66.5	66.5	9.91	9.88	-0.06	-0.05	-20.75
GEW-232	2/3/2021 2:28:36 PM	25.0	63.2	0.1	11.7	107.8	107.9	1.57	4.00	-0.25	-0.26	-18.73
GEW-232	2/22/2021 10:42:05 AM	25.9	58.1	0.7	15.3	100.4	100.8	9.93	9.92	-0.46	-0.46	-18.94
GEW-233	2/4/2021 9:30:54 AM	7.3	54.3	0.7	37.7	41.2	40.9	3.56	3.08	0.01	0.02	-19.58
GEW-233	2/4/2021 9:33:09 AM	7.3	55.2	0.7	36.8	40.3	40.3	4.37	3.78	-0.06	-0.06	-19.87
GEW-233	2/22/2021 11:14:48 AM	1.5	34.1	9.0	55.4	58.9	59.0	6.87	7.08	-0.09	-0.10	-18.86
GEW-233	2/22/2021 11:16:00 AM	1.5	33.0	9.1	56.4	59.4	59.4	3.21	1.72	-0.08	-0.07	-18.94
GEW-234	2/4/2021 10:50:47 AM	4.7	65.7	0.0	29.6	200.2	200.4	11.15	11.15	0.38	0.38	-18.65
GEW-234	2/4/2021 10:54:41 AM	5.7	65.4	0.0	28.9	201.6	201.6	30.53	29.88	-0.03	-0.04	-19.62
GEW-234	2/19/2021 2:46:58 PM	14.7	31.7	0.0	53.6	159.0	158.5	29.30	30.50	-3.24	-3.25	-17.93
GEW-234	2/19/2021 2:48:08 PM	14.8	32.1	0.0	53.1	159.0	158.5	29.75	30.29	-3.24	-3.24	-18.01
GEW-235	2/4/2021 10:38:45 AM	34.4	59.0	0.0	6.6	100.4	100.4	7.23	9.79	-3.37	-3.37	-19.75
GEW-235	2/22/2021 2:53:48 PM	16.5	60.5	0.0	23.0	128.3	129.7	5.95	5.54	-1.35	-1.35	-19.15
GEW-236	2/3/2021 9:06:23 AM	3.5	11.8	16.3	68.4	173.1	173.1	17.09	17.69	-1.73	-1.74	-19.83
GEW-236	2/3/2021 9:10:45 AM	3.6	12.1	15.9	68.4	166.6	166.1	6.03	6.12	-0.37	-0.37	-19.87

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Well Name	Date Sampled	Methane	CO ₂	O ₂	Balance Gas	Init Temp	Adj Temp	Init Flow	Adj Flow	Init Static Press	Adj Static Press	System Pressure
		(% vol)				°F		scfm		H ₂ O		
GEW-236	2/4/2021 2:16:50 PM	4.5	55.1	0.2	40.2	195.0	195.0	10.37	10.37	0.03	0.03	-18.82
GEW-236	2/4/2021 2:19:17 PM	4.4	54.4	0.0	41.2	195.9	195.7	7.69	8.22	-0.10	-0.10	-19.32
GEW-236	2/18/2021 9:52:32 AM	1.0	45.6	0.0	53.4	32.7	32.6	2.58	3.16	0.54	0.54	0.37
GEW-236	2/19/2021 8:41:18 AM	6.4	39.0	4.1	50.5	183.3	182.7	5.96	4.39	-0.05	-0.05	-2.03
GEW-236	2/19/2021 8:42:29 AM	6.5	36.3	3.9	53.3	183.4	183.9	2.77	4.04	-0.07	-0.07	-1.99
GEW-237	2/3/2021 10:35:05 AM	39.2	41.5	2.6	16.7	122.4	122.3	3.78	3.78	0.01	0.01	-19.95
GEW-237	2/3/2021 10:36:36 AM	39.3	41.0	2.7	17.0	124.5	124.8	5.21	3.91	-0.03	-0.03	-20.07
GEW-237	2/22/2021 11:03:42 AM	39.0	42.9	2.7	15.4	123.2	123.0	7.19	8.12	-0.01	-0.01	-18.91
GEW-238	2/3/2021 2:18:01 PM	12.2	64.0	0.0	23.8	189.6	189.3	39.56	39.68	-1.66	-1.66	-17.80
GEW-238	2/3/2021 2:19:13 PM	11.8	63.1	0.0	25.1	189.0	189.5	39.53	39.75	-1.67	-1.66	-17.67
GEW-238	2/19/2021 10:33:20 AM	18.0	63.1	0.0	18.9	177.0	177.5	39.24	39.57	-2.55	-2.55	-18.14
GEW-238	2/19/2021 10:34:13 AM	18.0	63.7	0.0	18.3	177.4	177.5	39.16	39.62	-2.55	-2.55	-18.65
GEW-239	2/5/2021 2:54:46 PM	0.7	28.9	10.1	60.3	194.2	195.7	23.78	24.86	-1.19	-1.20	-18.39
GEW-239	2/5/2021 2:59:01 PM	0.7	29.4	9.6	60.3	193.6	191.6	14.49	13.60	-0.45	-0.46	-18.73
GEW-239	2/18/2021 2:41:36 PM	1.1	54.0	0.0	44.9	198.1	197.9	9.30	9.40	-0.21	-0.20	-19.34
GEW-239	2/18/2021 2:42:57 PM	1.0	55.8	0.0	43.2	198.1	197.7	8.01	9.10	-0.20	-0.20	-19.71
GEW-240	2/5/2021 11:24:41 AM	0.9	26.1	4.5	68.5	179.2	179.2	12.98	12.87	-0.15	-0.13	-19.40
GEW-240	2/5/2021 11:26:38 AM	0.8	27.0	4.4	67.8	179.7	179.2	9.80	9.62	-0.13	-0.14	-19.28
GEW-240	2/19/2021 2:17:52 PM	2.3	16.7	8.0	73.0	136.5	136.2	13.89	13.81	-0.52	-0.52	-19.07
GEW-240	2/19/2021 2:19:11 PM	2.1	15.8	8.1	74.0	134.4	134.4	10.49	9.94	-0.36	-0.37	-19.15
GEW-241	2/3/2021 2:50:22 PM	38.4	44.1	0.0	17.5	120.2	119.9	16.19	14.14	-0.16	-0.17	-20.20
GEW-241	2/22/2021 11:15:32 AM	40.9	43.2	0.0	15.9	122.9	123.1	15.61	17.78	-0.13	-0.14	-19.71
GEW-242	2/4/2021 1:51:33 PM	16.0	57.9	0.0	26.1	195.0	194.3	9.75	11.73	-11.30	-11.30	-19.77
GEW-242	2/4/2021 1:52:43 PM	15.6	57.6	0.0	26.8	194.6	194.5	8.95	6.80	-11.13	-11.13	-20.01
GEW-242	2/19/2021 11:20:34 AM	48.1	44.4	0.6	6.9	52.8	52.9	4.06	4.83	-19.00	-19.00	-18.94
GEW-243	2/5/2021 9:51:49 AM	19.9	40.1	0.0	40.0	152.5	152.5	9.04	9.04	-12.58	-12.58	-19.58
GEW-243	2/5/2021 9:52:41 AM	19.3	40.1	0.0	40.6	152.5	152.7	17.82	13.82	-12.58	-12.58	-19.87
GEW-243	2/19/2021 2:05:46 PM	25.1	38.9	0.1	35.9	151.3	151.0	6.17	8.07	-12.24	-12.24	-19.24
GEW-243	2/19/2021 2:06:51 PM	24.6	40.2	0.0	35.2	151.0	151.0	10.59	7.62	-12.41	-12.41	-19.49
GEW-244	2/5/2021 9:45:04 AM	17.2	54.9	0.0	27.9	66.6	66.8	18.24	17.48	-2.69	-2.70	-19.83
GEW-244	2/24/2021 2:52:04 PM	18.0	56.4	0.0	25.6	74.1	73.9	5.64	5.39	-1.58	-1.59	-19.11
GEW-245	2/5/2021 9:35:13 AM	19.8	67.3	0.0	12.9	46.7	46.8	4.82	4.82	-0.04	-0.04	-19.58
GEW-245	2/24/2021 2:39:53 PM	10.5	61.6	0.0	27.9	80.3	80.5	4.21	6.39	-0.05	-0.05	-19.32
GEW-246	2/3/2021 2:32:12 PM	26.0	60.8	0.0	13.2	196.2	196.4	2.88	5.25	-0.68	-0.69	-18.94
GEW-246	2/3/2021 2:33:35 PM	25.0	60.3	0.0	14.7	196.4	195.7	8.53	8.53	-0.65	-0.65	-18.73
GEW-246	2/19/2021 10:23:51 AM	27.6	59.2	0.0	13.2	189.1	188.9	8.55	8.77	-1.54	-1.55	-19.11
GEW-246	2/19/2021 10:24:55 AM	26.6	60.6	0.0	12.8	190.9	188.9	3.34	2.37	-1.54	-1.54	-19.03
GEW-247	2/3/2021 10:02:30 AM	10.9	54.7	0.0	34.4	77.1	76.9	3.73	4.08	-1.08	-1.08	-20.32
GEW-247	2/25/2021 11:43:17 AM	14.5	56.2	0.0	29.3	92.2	92.4	2.28	2.27	-1.51	-1.51	-18.90
GEW-248	2/3/2021 10:05:40 AM	12.2	29.9	8.4	49.5	93.1	93.6	13.23	13.43	-0.21	-0.20	-20.44

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Well Name	Date Sampled	Methane	CO ₂	O ₂	Balance Gas	Init Temp	Adj Temp	Init Flow	Adj Flow	Init Static Press	Adj Static Press	System Pressure
		(% vol)				°F		scfm		H ₂ O		
GEW-248	2/3/2021 10:07:23 AM	13.1	26.6	8.7	51.6	94.8	94.1	10.10	12.86	-0.17	-0.19	-19.89
GEW-248	2/18/2021 2:28:20 PM	0.9	12.4	17.8	68.9	84.2	84.2	12.00	12.00	-0.26	-0.25	-19.52
GEW-248	2/18/2021 2:30:00 PM	0.9	8.4	18.3	72.4	82.0	81.9	12.05	13.14	-0.24	-0.23	-19.83
GEW-249	2/3/2021 10:30:32 AM	41.3	53.6	0.2	4.9	90.8	91.2	1.15	2.58	0.02	0.02	-20.32
GEW-249	2/3/2021 10:32:06 AM	40.0	56.7	0.0	3.3	104.3	104.5	2.76	4.64	-0.09	-0.09	-20.13
GEW-249	2/22/2021 11:01:08 AM	38.5	51.6	1.0	8.9	92.7	93.1	5.67	3.70	-0.01	-0.02	-19.16
GEW-250	2/4/2021 9:53:01 AM	3.2	35.4	5.8	55.6	155.0	155.6	6.48	9.17	-0.02	-0.01	-19.24
GEW-250	2/4/2021 9:55:39 AM	3.0	34.9	5.9	56.2	155.2	155.6	7.18	7.32	-0.01	-0.02	-18.48
GEW-250	2/18/2021 2:58:55 PM	2.0	18.4	14.7	64.9	116.3	115.5	7.39	7.95	-0.17	-0.18	-20.26
GEW-250	2/18/2021 3:00:34 PM	2.1	16.9	14.9	66.1	113.2	113.2	6.26	6.26	-0.15	-0.15	-19.71
GEW-251	2/5/2021 2:35:45 PM	5.9	63.6	0.0	30.5	200.8	200.8	17.47	16.80	-0.01	-0.03	-19.62
GEW-251	2/5/2021 2:36:56 PM	5.9	62.6	0.0	31.5	200.8	200.8	17.90	19.56	-0.05	-0.05	-20.21
GEW-251	2/19/2021 9:41:45 AM	5.9	56.0	1.5	36.6	200.1	200.0	19.40	19.31	-0.32	-0.33	-20.76
GEW-251	2/19/2021 9:43:06 AM	5.9	54.6	1.5	38.0	200.1	200.1	19.56	20.14	-0.33	-0.32	-20.72
GEW-252	2/3/2021 2:05:11 PM	36.0	50.5	0.1	13.4	169.0	169.0	3.75	4.48	-3.18	-3.17	-18.97
GEW-252	2/3/2021 2:08:28 PM	35.3	48.9	0.0	15.8	169.5	169.0	12.26	11.28	-3.16	-3.17	-18.97
GEW-252	2/19/2021 11:15:55 AM	39.2	50.6	0.0	10.2	92.9	92.7	10.03	10.03	-9.46	-9.46	-18.60
GEW-253	2/3/2021 3:04:18 PM	4.4	22.1	8.4	65.1	179.3	179.7	7.95	7.51	-0.04	-0.04	-19.03
GEW-253	2/3/2021 3:05:29 PM	3.9	21.9	8.5	65.7	179.2	179.2	6.98	6.54	-0.04	-0.04	-18.94
GEW-253	2/18/2021 9:33:19 AM	7.6	28.1	3.9	60.4	47.3	43.6	2.87	2.58	-0.02	-0.03	-1.04
GEW-25	2/1/2021 11:06:24 AM	58.7	38.1	0.0	3.2	48.5	48.5	6.64	6.52	-0.46	-0.45	-14.53
GEW-25	2/8/2021 9:35:28 AM	59.2	37.3	0.0	3.5	49.0	49.0	5.43	4.82	-0.63	-0.62	-13.83
GEW-25	2/19/2021 9:19:01 AM	60.5	38.8	0.0	0.7	52.0	51.9	6.79	5.81	-0.41	-0.41	-14.14
GEW-25	2/19/2021 9:20:44 AM	60.7	38.4	0.0	0.9	52.1	52.1	4.46	2.77	-0.76	-0.76	-14.50
GEW-25	2/23/2021 10:32:05 AM	60.3	39.4	0.0	0.3	68.9	68.8	8.30	7.86	-0.70	-0.71	-13.89
GEW-25	2/23/2021 10:34:02 AM	60.4	39.1	0.0	0.5	69.3	69.3	8.50	8.49	-0.88	-0.89	-13.95
GIW-01	2/1/2021 1:50:40 PM	32.4	61.8	0.0	5.8	88.9	88.9	12.04	12.04	-1.36	-1.36	-19.04
GIW-01	2/8/2021 9:23:08 AM	33.8	57.0	0.0	9.2	95.5	95.3	8.90	8.91	-1.62	-1.62	-18.94
GIW-01	2/8/2021 9:28:50 AM	34.0	55.8	0.0	10.2	96.0	96.0	3.39	2.53	-1.59	-1.59	-19.07
GIW-01	2/18/2021 2:03:30 PM	35.8	56.0	0.0	8.2	98.2	98.2	7.46	5.85	-1.62	-1.62	-18.31
GIW-01	2/24/2021 8:44:02 AM	32.6	55.5	0.4	11.5	107.6	107.7	2.93	2.93	-1.64	-1.65	-18.18
GIW-02	2/1/2021 1:53:01 PM	16.0	65.8	0.0	18.2	36.4	36.4	3.70	3.23	-0.35	-0.36	-19.76
GIW-02	2/8/2021 9:33:37 AM	18.0	62.8	0.1	19.1	25.1	25.2	1.84	1.84	-0.34	-0.34	-19.96
GIW-02	2/8/2021 9:39:20 AM	17.8	62.0	0.2	20.0	23.8	23.8	2.60	1.84	-0.33	-0.33	-19.96
GIW-02	2/18/2021 2:06:26 PM	17.6	55.5	1.0	25.9	44.3	44.4	4.51	4.33	-0.24	-0.23	-18.94
GIW-02	2/24/2021 8:47:01 AM	19.2	55.9	0.6	24.3	61.4	61.4	3.62	3.62	-0.46	-0.45	-18.22
GIW-03	2/1/2021 1:55:35 PM	24.0	56.6	0.0	19.4	38.1	38.0	2.62	2.62	-7.19	-7.19	-20.13
GIW-03	2/8/2021 9:43:41 AM	24.2	54.1	0.0	21.7	28.3	28.6	1.27	1.27	-7.77	-7.77	-20.04
GIW-03	2/8/2021 9:50:14 AM	25.3	48.4	0.0	26.3	28.8	28.9	2.53	2.53	-7.77	-7.77	-20.13
GIW-03	2/18/2021 2:09:33 PM	27.4	53.4	0.0	19.2	47.8	47.9	1.73	1.73	-6.63	-6.63	-18.60

February 2021 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-03	2/24/2021 8:49:58 AM	26.1	48.8	0.6	24.5	58.6	58.7	2.39	2.68	-6.42	-6.42	-18.22
GIW-04	2/1/2021 1:58:16 PM	28.3	50.2	0.2	21.3	36.4	36.4	3.45	3.21	-3.07	-3.06	-20.35
GIW-04	2/8/2021 10:07:59 AM	24.7	44.3	2.8	28.2	24.0	24.0	3.88	3.66	-2.55	-2.55	-20.34
GIW-04	2/8/2021 10:14:07 AM	27.0	45.2	1.1	26.7	23.8	23.8	4.10	3.89	-2.65	-2.65	-20.30
GIW-04	2/18/2021 2:14:09 PM	22.9	46.1	1.9	29.1	47.4	47.4	4.45	4.45	-3.04	-3.04	-19.28
GIW-04	2/24/2021 8:53:52 AM	25.3	45.5	1.5	27.7	63.5	63.5	1.68	1.68	-4.66	-4.65	-18.18
GIW-05	2/1/2021 2:01:45 PM	34.8	42.4	0.0	22.8	36.7	36.7	4.62	4.62	-4.74	-4.73	-20.13
GIW-05	2/9/2021 1:47:32 PM	34.4	37.3	1.8	26.5	32.6	32.6	3.80	4.01	-4.27	-4.27	-19.62
GIW-05	2/9/2021 1:54:00 PM	34.8	34.8	0.7	29.7	31.1	31.1	4.40	3.81	-4.10	-4.11	-19.96
GIW-05	2/18/2021 2:18:09 PM	33.6	38.8	1.4	26.2	54.9	54.7	2.97	2.71	-3.72	-3.71	-18.94
GIW-05	2/24/2021 8:58:43 AM	35.1	41.4	0.7	22.8	60.8	59.9	2.93	2.68	-4.68	-4.69	-18.01
GIW-06	2/1/2021 2:03:47 PM	40.8	42.8	0.0	16.4	36.4	36.4	4.62	4.26	-5.07	-5.07	-20.13
GIW-06	2/9/2021 1:57:49 PM	3.0	53.8	1.9	41.3	25.7	25.7	2.59	3.43	-0.55	-0.55	-19.96
GIW-06	2/9/2021 2:03:27 PM	3.4	56.4	1.5	38.7	26.1	26.2	3.43	2.59	-0.50	-0.49	-19.96
GIW-06	2/18/2021 2:21:31 PM	3.1	56.0	1.6	39.3	42.8	42.8	2.80	3.07	-0.26	-0.27	-19.28
GIW-06	2/24/2021 9:02:05 AM	37.2	41.4	0.0	21.4	59.9	60.2	1.68	2.38	-7.77	-7.77	-17.93
GIW-07	2/1/2021 2:05:59 PM	50.4	49.0	0.0	0.6	36.4	36.4	5.48	4.29	-1.72	-1.73	-20.18
GIW-07	2/9/2021 2:07:10 PM	49.9	49.9	0.2	0.0	26.0	26.0	2.24	2.58	-1.67	-1.67	-20.04
GIW-07	2/9/2021 2:12:50 PM	52.4	46.8	0.1	0.7	26.5	26.5	2.89	3.87	-1.71	-1.70	-20.08
GIW-07	2/18/2021 2:24:07 PM	47.5	51.8	0.7	0.0	46.3	46.7	5.11	3.28	-1.90	-1.90	-19.28
GIW-07	2/24/2021 9:05:24 AM	48.8	44.5	1.0	5.7	64.5	64.7	1.20	1.20	-1.79	-1.79	-17.97
GIW-08	2/1/2021 2:08:13 PM	50.2	46.6	0.0	3.2	36.4	36.4	1.97	2.66	-2.59	-2.59	-20.26
GIW-08	2/10/2021 9:05:43 AM	53.7	42.5	0.0	3.8	20.4	20.4	5.98	5.54	-2.50	-2.49	-20.34
GIW-08	2/10/2021 9:11:41 AM	52.8	42.5	0.0	4.7	20.6	20.6	3.69	3.91	-2.50	-2.50	-20.30
GIW-08	2/18/2021 2:26:58 PM	54.2	45.8	0.0	0.0	44.4	44.4	3.93	3.29	-2.69	-2.68	-18.94
GIW-08	2/24/2021 9:08:00 AM	52.4	44.7	0.0	2.9	61.4	61.4	1.70	2.40	-2.63	-2.63	-17.93
GIW-09	2/1/2021 2:10:04 PM	39.5	40.7	0.0	19.8	36.0	36.0	2.96	1.51	-0.69	-0.69	-19.92
GIW-09	2/10/2021 9:15:23 AM	41.9	41.7	0.0	16.4	19.9	19.6	1.31	2.28	-0.38	-0.38	-20.47
GIW-09	2/10/2021 9:30:55 AM	41.9	41.6	0.0	16.5	18.4	18.4	2.28	2.63	-0.49	-0.49	-20.63
GIW-09	2/18/2021 2:29:42 PM	42.1	41.8	0.0	16.1	42.1	42.5	2.81	2.80	-0.48	-0.47	-18.94
GIW-09	2/24/2021 9:11:10 AM	37.8	40.9	0.2	21.1	63.0	63.1	1.20	1.20	-0.91	-0.91	-18.01
GIW-10	2/1/2021 2:12:15 PM	31.8	38.4	0.0	29.8	36.9	36.9	2.71	3.49	-3.20	-3.19	-20.18
GIW-10	2/10/2021 9:35:26 AM	33.3	37.7	0.0	29.0	21.3	21.4	4.51	3.90	-2.83	-2.84	-20.63
GIW-10	2/10/2021 9:41:11 AM	33.8	35.6	0.0	30.6	22.3	22.4	3.67	4.50	-2.67	-2.66	-20.63
GIW-10	2/18/2021 2:32:44 PM	34.6	38.8	0.0	26.6	49.3	49.4	4.60	4.08	-2.84	-2.84	-19.24
GIW-10	2/24/2021 9:16:48 AM	33.8	36.9	0.0	29.3	64.0	64.1	2.92	2.67	-3.64	-3.64	-17.97
GIW-11	2/1/2021 2:14:24 PM	26.8	34.4	0.4	38.4	36.6	36.7	1.97	3.72	-2.23	-2.24	-16.81
GIW-11	2/10/2021 10:22:00 AM	36.8	35.9	0.0	27.3	19.6	19.5	2.63	1.86	-0.56	-0.56	-13.57
GIW-11	2/10/2021 10:28:06 AM	36.6	35.8	0.0	27.6	19.5	19.5	2.63	1.86	-0.59	-0.59	-14.55
GIW-11	2/18/2021 2:36:13 PM	35.5	36.8	0.0	27.7	49.3	49.6	4.61	6.16	-1.96	-1.96	-15.69

February 2021 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-11	2/24/2021 9:19:36 AM	31.9	34.3	0.5	33.3	62.6	62.4	1.70	3.60	-2.17	-2.17	-14.08
GIW-12	2/1/2021 2:16:46 PM	35.1	38.3	0.1	26.5	35.6	35.6	2.97	1.62	-0.30	-0.28	-19.88
GIW-12	2/10/2021 10:33:06 AM	35.4	38.9	0.1	25.6	19.4	19.4	1.86	1.31	-0.17	-0.17	-17.29
GIW-12	2/10/2021 10:39:09 AM	35.7	37.9	0.2	26.2	19.4	19.4	2.63	2.28	-0.23	-0.23	-17.55
GIW-12	2/18/2021 2:39:31 PM	41.9	40.3	0.0	17.8	41.0	41.5	2.18	2.18	-0.21	-0.22	-9.47
GIW-12	2/24/2021 9:22:14 AM	36.9	37.5	1.0	24.6	57.9	58.0	2.72	1.72	-0.34	-0.34	-16.58
GIW-13	2/1/2021 2:18:35 PM	46.1	46.8	0.0	7.1	35.9	35.9	4.30	4.49	-1.28	-1.28	-14.03
GIW-13	2/10/2021 10:43:48 AM	47.7	45.7	0.0	6.6	19.4	19.4	1.86	2.63	-0.59	-0.59	-8.88
GIW-13	2/10/2021 10:49:42 AM	47.4	46.0	0.0	6.6	19.5	19.5	2.63	3.47	-0.75	-0.76	-9.47
GIW-13	2/18/2021 2:42:30 PM	50.1	46.7	0.0	3.2	35.7	36.4	3.11	2.53	-1.17	-1.16	-14.21
GIW-13	2/24/2021 9:24:51 AM	47.3	46.2	0.0	6.5	60.7	61.1	3.62	2.41	-1.31	-1.30	-13.19
LCS-1D	2/3/2021 9:28:41 AM	48.9	37.1	3.4	10.6	43.6	43.6	2.74	3.68	-8.86	-8.86	-15.64
LCS-1D	2/22/2021 9:50:35 AM	51.0	36.0	2.9	10.1	50.8	50.7	2.71	3.43	-7.68	-7.68	-16.19
LCS-2D	2/4/2021 2:28:15 PM	56.0	42.7	0.1	1.2	44.2	44.3	9.64	9.02	-17.55	-17.55	-19.83
LCS-2D	2/22/2021 2:36:29 PM	56.0	41.8	0.2	2.0	60.7	60.6	12.02	11.91	-17.21	-17.21	-18.91
LCS-3D	2/4/2021 2:00:40 PM	31.6	62.6	0.0	5.8	154.8	154.4	12.93	13.26	-4.18	-4.17	-18.67
LCS-3D	2/4/2021 2:02:25 PM	31.0	65.0	0.0	4.0	154.9	154.8	14.45	14.13	-4.19	-4.17	-18.12
LCS-3D	2/19/2021 11:26:41 AM	11.6	22.5	14.6	51.3	50.2	50.1	2.64	2.89	-18.66	-18.66	-18.82
LCS-3D	2/19/2021 11:27:39 AM	16.7	29.0	10.6	43.7	49.9	50.0	1.18	3.12	-18.70	-18.70	-18.82
LCS-4B	2/3/2021 2:58:07 PM	16.9	58.2	3.7	21.2	53.1	53.1	3.01	3.47	-0.27	-0.27	-17.89
LCS-4B	2/22/2021 3:17:53 PM	22.0	60.4	1.0	16.6	60.3	60.4	1.21	1.21	-0.41	-0.41	-18.18
LCS-5A	2/1/2021 9:53:34 AM	56.4	42.9	0.0	0.7	81.7	82.2	20.82	21.33	-8.50	-8.50	-14.32
LCS-5A	2/10/2021 8:51:40 AM	57.3	41.4	0.0	1.3	79.4	78.7	29.91	29.91	-7.80	-7.80	-14.01
LCS-5A	2/19/2021 9:12:21 AM	55.9	42.5	0.0	1.6	85.8	84.7	24.41	13.32	-6.68	-6.68	-12.64
LCS-5A	2/23/2021 9:26:46 AM	57.0	42.2	0.0	0.8	87.5	87.7	13.31	13.59	-5.40	-5.40	-13.16
LCS-5B	2/1/2021 10:08:53 AM	53.3	42.5	0.4	3.8	102.3	102.1	11.60	12.41	-12.30	-12.30	-13.69
LCS-5B	2/10/2021 8:56:32 AM	53.6	41.8	0.0	4.6	102.4	100.8	11.15	12.48	-11.18	-11.18	-13.65
LCS-5B	2/19/2021 1:33:53 PM	57.4	39.4	0.0	3.2	58.9	59.0	7.95	7.95	-13.54	-13.54	-13.95
LCS-5B	2/23/2021 9:38:14 AM	55.0	40.5	0.1	4.4	66.4	66.6	2.77	2.77	-13.50	-13.50	-13.83
LCS-6B	2/1/2021 11:29:50 AM	53.6	42.8	0.2	3.4	56.2	56.2	7.94	7.94	-0.79	-0.80	-14.28
LCS-6B	2/10/2021 9:03:14 AM	54.2	41.7	0.0	4.1	43.4	44.0	14.65	12.67	-0.76	-0.76	-13.40
LCS-6B	2/19/2021 8:56:28 AM	55.7	40.5	0.0	3.8	59.9	59.9	9.58	11.56	-1.61	-1.61	-13.89
LCS-6B	2/23/2021 10:47:39 AM	54.0	43.1	0.0	2.9	83.0	83.0	7.28	7.64	-0.75	-0.74	-13.83
SEW-002	2/5/2021 9:27:29 AM	36.1	52.3	0.6	11.0	36.2	36.2	3.69	2.13	-15.86	-15.86	-20.13
SEW-002	2/25/2021 9:52:31 AM	34.7	51.7	1.6	12.0	59.0	59.1	1.66	1.66	-12.83	-12.83	-18.60
SEW-003	2/3/2021 11:13:41 AM	2.5	38.2	8.0	51.3	56.5	56.5	5.86	5.85	-0.05	-0.05	-19.87
SEW-003	2/3/2021 11:14:26 AM	2.2	38.2	8.1	51.5	56.7	56.7	5.85	6.22	-0.07	-0.07	-19.79
SEW-003	2/18/2021 2:49:42 PM	1.6	26.4	11.0	61.0	50.7	50.7	7.25	7.46	-0.08	-0.08	-19.95
SEW-003	2/18/2021 2:50:36 PM	1.7	24.4	11.3	62.6	51.0	51.0	6.80	6.57	-0.09	-0.09	-20.32
T-56	2/2/2021 9:23:48 AM	41.7	32.8	0.2	25.3	41.8	41.8	10.80	10.80	-0.01	-0.01	-13.95



February 2021 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		
T-56	2/10/2021 9:08:00 AM	41.6	34.1	0.0	24.3	38.2	38.2	10.44	9.16	0.02	0.02	-13.71
T-56	2/10/2021 9:09:55 AM	42.2	33.8	0.0	24.0	38.7	38.8	8.66	8.56	0.01	0.02	-13.71
T-56	2/11/2021 8:54:48 AM	39.6	31.8	0.9	27.7	37.1	37.1	14.10	12.85	-0.01	-0.01	-14.14
T-56	2/19/2021 8:32:13 AM	45.8	31.0	0.5	22.7	35.6	35.6	13.62	12.32	-0.01	-0.01	-13.89
T-56	2/23/2021 11:09:03 AM	51.6	36.3	0.3	11.8	45.6	45.5	10.75	13.78	-0.03	-0.03	-14.08

ATTACHMENT D-2

MAXIMUM WELLHEAD TEMPERATURE TABLE

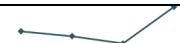

Wellfield Temperature - Bridgeton Landfill

Well Name					Temp Trend	Comments
	November 2020	December 2020	January 2021	February 2021	><30°F	
GEW-002	110.5	109.5	109.0	109.8		
GEW-003	99.9	89.8	80.0	90.8		
GEW-004	109.3	106.3	106.0	106.9		
GEW-005	77.1	66.1	71.7	72.1		
GEW-006	84.9	82.3	80.2	80.5		
GEW-007	90.5	87.2	85.7	84.7		
GEW-008	109.7	110.2	109.2	108.7		
GEW-009	118.4	120.2	119.7	119.0		
GEW-010	87.7	83.7	75.2	75.7		
GEW-013A	196.4	192.9	194.8	192.3		
GEW-015	116.6	85.4	92.9	101.1		
GEW-016R	162.9	151.0	137.1	136.2		
GEW-018B	194.7	197.2	198.6	197.2		
GEW-019A	74.4	60.3	41.1	61.6		
GEW-039	100.6	97.3	98.0	97.0		
GEW-040	71.1	62.1	51.3	53.4		
GEW-041R	81.0	76.9	115.9	66.8		
GEW-042R	99.8	100.4	96.5	93.4		
GEW-043R	114.0	114.5	113.5	113.0		
GEW-044	79.8	69.1	61.3	71.2		
GEW-045R	95.5	91.7	88.4	87.0		
GEW-046R	102.2	98.4	96.2	95.0		
GEW-047R	101.1	94.0	90.5	87.0		
GEW-048	95.2	92.9	91.7	92.2		
GEW-049	81.9	93.7	90.3	67.2		
GEW-050	98.4	92.6	91.8	88.3		
GEW-051	113.0	112.5	108.2	93.3		
GEW-052	103.0	97.9	98.9	95.5		
GEW-053	139.9	141.4	140.9	140.5		
GEW-054	144.9	146.3	145.9	145.0		
GEW-055	126.0	128.9	125.3	126.1		
GEW-056R	94.8	84.2	83.0	72.3		
GEW-057B	170.0	156.5	154.4	65.1		
GEW-058A	112.5	76.6	--	--		Temporarily decommissioned
GEW-059R	129.3	117.3	93.4	86.1		
GEW-067A	192.9	187.6	184.5	178.9		
GEW-068A	170.5	168.1	166.6	167.1		
GEW-078R	158.1	151.7	143.2	153.9		

Wellfield Temperature - Bridgeton Landfill

Well Name					Temp Trend	Comments
	November 2020	December 2020	January 2021	February 2021	><30°F	
GEW-082R	171.0	169.8	172.1	170.6		
GEW-086	149.9	174.2	156.9	143.2		
GEW-087	197.4	201.6	194.3	191.9		
GEW-088	160.7	157.8	135.0	168.1		
GEW-090	162.9	157.3	153.4	156.5		
GEW-091	197.2	198.6	198.6	197.9		
GEW-100	67.3	159.8	127.4	69.1		
GEW-101	85.6	86.8	63.2	74.3		
GEW-102	71.4	64.4	64.8	59.2		
GEW-104	191.6	183.3	185.1	193.5		
GEW-105	105.4	83.0	62.6	66.5		
GEW-106	154.8	132.9	155.2	57.2		
GEW-107	128.9	115.0	97.5	89.8		
GEW-108	124.0	133.8	114.3	108.2		
GEW-109	81.2	70.7	57.2	64.9		
GEW-110	111.2	112.2	102.2	100.2		
GEW-113	178.0	176.4	174.2	176.1		
GEW-116	128.9	127.5	94.8	95.3		
GEW-117	136.5	125.8	115.8	107.0		
GEW-118	202.3	201.6	203.1	199.4		
GEW-120	114.3	112.5	98.4	109.5		
GEW-121	133.8	107.0	126.4	119.9		
GEW-122	78.1	55.5	58.0	60.7		
GEW-123	80.3	52.1	69.8	62.8		
GEW-124	68.2	44.7	49.5	62.4		
GEW-125	67.7	44.6	57.7	59.6		
GEW-126	67.2	44.7	59.0	58.2		
GEW-127	75.9	51.2	53.7	62.3		
GEW-128	--	--	--	--		Temporarily decommissioned
GEW-129	116.6	99.1	98.2	111.0		
GEW-130	147.4	137.4	134.9	136.7		
GEW-131	125.8	98.4	112.7	100.1		
GEW-132	130.7	118.6	91.5	87.4		
GEW-133	102.3	91.9	54.6	69.3		
GEW-134	85.6	74.9	40.5	59.2		
GEW-135	115.0	107.0	52.9	66.6		
GEW-137	71.4	48.2	47.9	61.9		

Wellfield Temperature - Bridgeton Landfill

Well Name					Temp Trend	Comments
	November 2020	December 2020	January 2021	February 2021	><30°F	
GEW-138	--	--	--	--		Temporarily decommissioned
GEW-139	137.1	130.8	56.7	63.3		
GEW-140	69.5	72.4	42.1	61.0		
GEW-144	81.2	81.7	44.9	62.6		
GEW-145	75.3	53.0	55.7	60.7		
GEW-147	159.0	152.5	150.5	151.7		
GEW-148	141.2	125.0	121.5	125.4		
GEW-149	85.8	52.8	58.9	52.7		
GEW-150	145.9	149.2	143.9	136.5		
GEW-151	117.1	62.0	--	--		Temporarily decommissioned
GEW-152	105.7	91.0	53.7	52.6		
GEW-153	106.7	93.4	70.9	69.3		
GEW-154	--	--	--	--		Temporarily decommissioned
GEW-155	--	--	--	--		Temporarily decommissioned
GEW-156	120.5	113.4	83.1	86.1		
GEW-157	82.8	61.6	59.7	51.0		
GEW-158	109.0	90.2	71.5	66.1		
GEW-159	--	--	--	--		Temporarily decommissioned
GEW-160	74.3	78.4	50.7	61.9		
GEW-161	90.3	98.5	67.9	70.2		
GEW-162	74.3	81.9	54.5	62.3		
GEW-163	104.5	79.8	79.4	74.8		
GEW-164	131.3	127.2	126.7	116.0		
GEW-165	134.7	121.8	114.0	108.2		
GEW-166	163.4	159.0	173.1	156.9		
GEW-167	140.6	131.4	112.0	109.1		
GEW-168	91.2	60.9	75.5	74.3		
GEW-169	101.9	77.3	76.3	69.3		
GEW-170	97.4	88.2	81.4	70.2		
GEW-171	76.8	67.8	48.7	60.5		
GEW-172	135.0	127.8	102.5	94.6		
GEW-173	--	--	--	--		Temporarily decommissioned
GEW-174	85.4	76.8	64.0	128.3		
GEW-175	128.0	120.2	104.8	53.9		
GEW-176	--	--	--	--		Temporarily decommissioned

Wellfield Temperature - Bridgeton Landfill

Well Name					Temp Trend	Comments
	November 2020	December 2020	January 2021	February 2021	><30°F	
GEW-177	162.9	159.0	157.7	153.1		
GEW-178	81.4	65.9	56.7	57.1		
GEW-179	85.8	75.5	70.1	78.7		
GEW-180	77.3	79.6	58.4	68.1		
GEW-181	82.1	76.6	52.0	61.0		
GEW-182	--	--	--	--		Temporarily decommissioned
GEW-184	--	--	--	--		Temporarily decommissioned
GEW-185	85.1	79.5	65.7	121.5		
GEW-186	82.1	56.2	65.7	79.4		
GEW-187	101.1	98.2	93.6	94.6		
GEW-188	--	--	--	--		Temporarily decommissioned
GEW-217	109.0	48.3	100.6	62.3		
GEW-218	93.4	88.8	78.0	68.9		
GEW-219	--	--	--	--		Temporarily decommissioned
GEW-220	165.8	52.7	75.0	70.2		
GEW-221	83.5	89.9	57.7	62.8		
GEW-222	78.1	78.4	59.1	65.4		
GEW-223	124.5	130.3	112.6	121.3		
GEW-224	145.3	148.8	130.1	133.8		
GEW-225	155.6	153.6	143.8	136.8		
GEW-226	172.6	171.9	165.2	153.7		
GEW-227	183.9	179.2	191.1	170.5		
GEW-228	173.1	171.6	114.3	158.7		
GEW-229	101.6	103.5	79.2	90.2		
GEW-230	157.3	148.8	--	--		Temporarily decommissioned
GEW-231	--	--	--	--		Temporarily decommissioned
GEW-232	134.7	109.7	107.2	107.9		
GEW-233	76.6	68.6	42.9	59.4		
GEW-234	203.9	202.3	198.6	201.6		
GEW-235	125.8	107.0	111.0	129.7		
GEW-236	200.9	201.6	203.9	195.9		
GEW-237	135.0	129.1	135.9	124.8		
GEW-238	188.3	190.2	187.0	189.6		
GEW-239	202.2	199.3	200.1	198.1		
GEW-240	189.6	188.6	186.1	179.7		

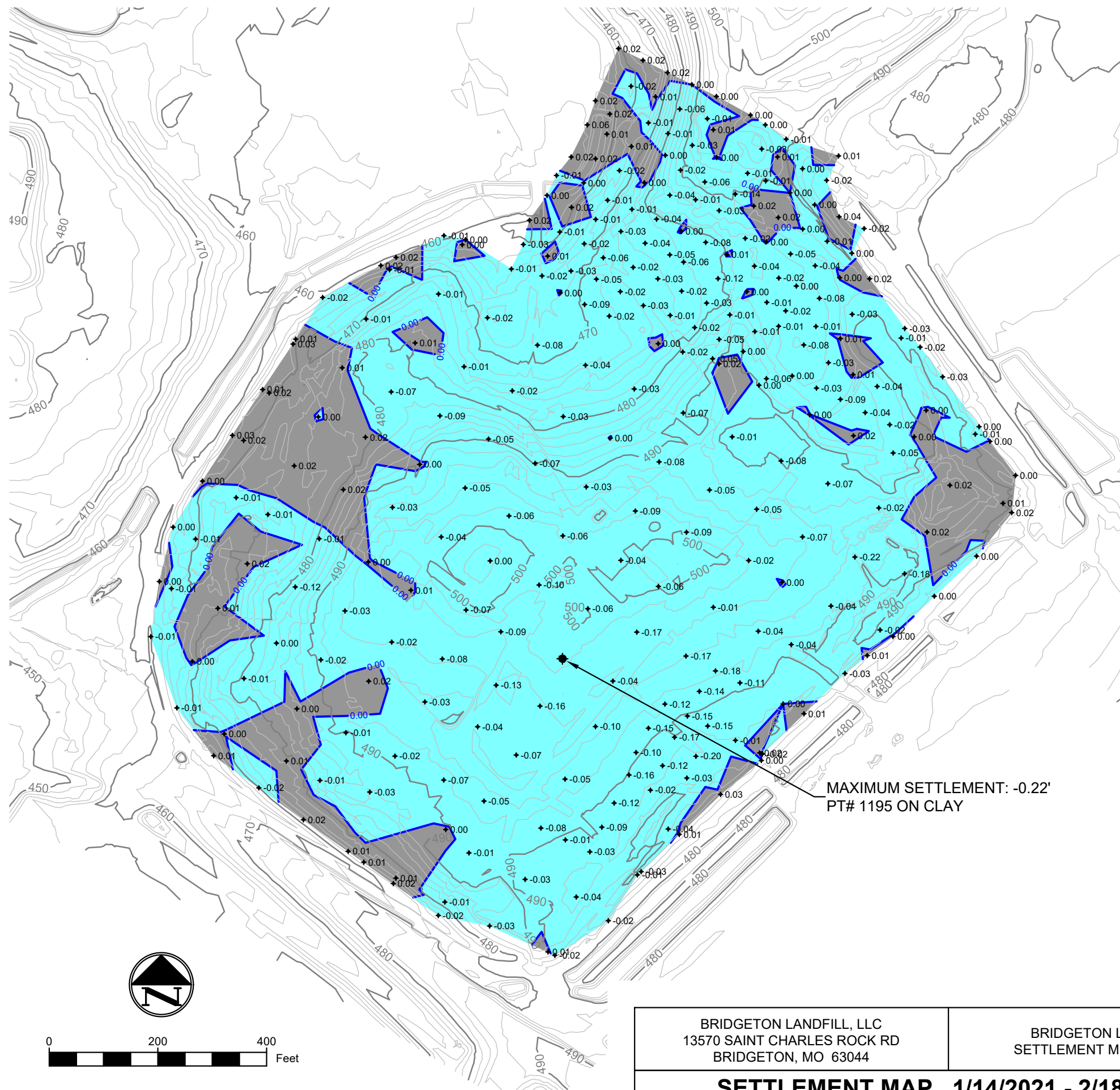
Wellfield Temperature - Bridgeton Landfill

Well Name					Temp Trend	Comments
	November 2020	December 2020	January 2021	February 2021	><30°F	
GEW-241	120.5	116.0	122.9	123.1		
GEW-242	199.3	193.6	158.5	195.0		
GEW-243	94.3	67.8	157.7	152.7		
GEW-244	100.6	99.4	114.3	74.1		
GEW-245	96.5	45.8	50.2	80.5		
GEW-246	199.6	200.8	200.8	196.4		
GEW-247	90.5	148.8	87.1	92.4		
GEW-248	202.4	196.4	182.7	94.8		
GEW-249	127.9	122.7	113.7	104.5		
GEW-250	200.1	168.1	153.3	155.6		
GEW-251	202.9	198.5	201.6	200.8		
GEW-252	176.9	182.4	179.2	169.5		
GEW-253	204.7	187.0	180.3	179.7		
GEW-25	76.4	67.3	58.2	69.3		
GIW-01	125.2	122.9	116.8	107.7		
GIW-02	82.0	67.6	49.3	61.4		
GIW-03	81.0	57.2	45.6	58.7		
GIW-04	87.5	63.0	45.8	63.5		
GIW-05	86.3	52.3	42.5	60.8		
GIW-06	72.0	58.2	43.7	60.2		
GIW-07	73.2	65.7	47.9	64.7		
GIW-08	73.6	62.8	51.5	61.4		
GIW-09	73.6	62.1	45.6	63.1		
GIW-10	75.9	62.6	47.9	64.1		
GIW-11	73.0	63.9	46.2	62.6		
GIW-12	70.9	65.4	46.9	58.0		
GIW-13	71.6	64.5	49.0	61.1		
LCS-1D	81.4	52.9	57.3	50.8		
LCS-2D	67.2	73.0	40.8	60.7		
LCS-3D	156.0	171.0	137.1	154.9		
LCS-4B	69.0	45.6	62.4	60.4		
LCS-5A	92.6	92.7	91.3	87.7		
LCS-5B	122.9	133.5	123.9	102.4		
LCS-6B	92.2	95.0	78.7	83.0		
SEW-002	77.9	47.4	41.5	59.1		
SEW-003	87.7	60.3	61.3	56.7		
T-56	66.2	57.6	46.5	45.6		

-- = 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	1,266,912.22	Cyan
6	0.00	1.00	265,539.72	Grey


LEGEND

- 12-09-2020 TOPOGRAPHY (2' CONTOUR)
 - 12-09-2020 TOPOGRAPHY (10' CONTOUR)
 - .25 MINOR ELEVATION CHANGE CONTOUR (0.25 FEET)
 - .50 MAJOR ELEVATION CHANGE CONTOUR (0.50 FEET)
 - 0.3 SPOT ELEVATION DIFFERENCE (1-14-2021 to 2-18-2021)
 - 2-2021 *SETTLEMENT FRONT CONTOUR FOR AREA WITH 1.58' PER 35 DAYS FOR CURRENT PERIOD OF DAYS
- *NONE FOR FEBRUARY 2021

NOTES:

1. EXISTING CONTOURS DEVELOPED FROM SITE AERIAL TOPOGRAPHIC SURVEY BY COOPER AERIAL SURVEYS CO. ON DECEMBER 9, 2020.
2. FOR CLARITY, NOT ALL SITE FEATURES MAY BE SHOWN.
3. ELEVATION DIFFERENCE DETERMINED BY SUBTRACTING SPOT ELEVATIONS SURVEYED ON 1-14-21 FROM SPOT ELEVATIONS SURVEYED ON 2-18-21.
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# 1195 ON CLAY

BRIDGETON LANDFILL, LLC 13570 SAINT CHARLES ROCK RD BRIDGETON, MO 63044	BRIDGETON LANDFILL SETTLEMENT MONITORING	
SETTLEMENT MAP 1/14/2021 - 2/18/2021		FEBRUARY 2021 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\2021\02-2021 Report\Internal Draft\Site Data\Settlement\Settlement And Fil 2-18-2021.dwg		REVISION DATE
		DRAWING NO.: 001

ATTACHMENT F

LIQUID CHARACTERIZATION DATA AND DISCHARGE LOG

Bridgeton Landfill - Leachate PreTreatment Plant

February 2021

Liquid Characterization Data

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

Hauled Disposal to MSD – Bissell Point

Date	Waste	Source	Transporter	Quantity
2/1/2021				0
2/2/2021				0
2/3/2021				0
2/4/2021				0
2/5/2021				0
2/6/2021				0
2/7/2021				0
2/8/2021				0
2/9/2021				0
2/10/2021				0
2/11/2021				0
2/12/2021				0
2/13/2021				0
2/14/2021	LPTP Activated Sludge/ Permeate	Tank 1 (T1)	MBI	0
2/15/2021				0
2/16/2021				0
2/17/2021				0
2/18/2021				0
2/19/2021				0
2/20/2021				0
2/21/2021				0
2/22/2021				0
2/23/2021				0
2/24/2021				0
2/25/2021				0
2/26/2021				0
2/27/2021				0
2/28/2021				0
Total				0

Direct Discharge to MSD

Date	Waste	Source	Quantity (gal)
2/1/2021			203,692
2/2/2021			198,544
2/3/2021			231,216
2/4/2021			188,052
2/5/2021			209,232
2/6/2021			193,788
2/7/2021			214,788
2/8/2021			249,032
2/9/2021			186,528
2/10/2021			154,764
2/11/2021			214,024
2/12/2021			155,980
2/13/2021			133,372
2/14/2021	LPTP Permeate	Through Tank AST 97k (MSD Sampling Point 013)	161,168
2/15/2021			95,416
2/16/2021			70,904
2/17/2021			131,638
2/18/2021			135,388
2/19/2021			126,252
2/20/2021			161,752
2/21/2021			133,504
2/22/2021			130,960
2/23/2021			145,256
2/24/2021			149,168
2/25/2021			168,292
2/26/2021			212,604
2/27/2021			128,472
2/28/2021			136,796
Total			4,620,582

ATTACHMENT G

VOLUMES OF LEACHATE PROCESSED

Bridgeton Landfill - Leachate Volumes
February 2021

Total volume of leachate from the individual leachate collection sumps during the month. Additional non-LCS leachate was collected and the total volume was 2,138,333 gallons. Therefore, the total leachate collected was 2,821,286 gallons.

ID	Volume
LCS -1D	0
LCS-2D	0
LCS-3D	107,110
LCS-4B	0
LCS-5A	555,392
LCS-5B	15,616
LCS-6B	4,835