

Bridgeton Landfill, LLC

Monthly Data Submittals

March 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

April 20, 2021

Commentary on Data

March 20, 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 1037 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 26 GEW wells that are experiencing low or restricted flows that exhibit low gas flow due to the cooling loops that are installed in these wells. By the end of the month, 15 of the GEW wells 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. Three (3) vertical wells (excluding GIW wells) increased by 30°F or more and three (3) 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. Carbon monoxide (CO) results were non-detect (ND) for North Quarry wells, with the exception of GEW-053 (69 ppm on 3/16/21 and 59 ppm on 3/31/21).
- 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 continued into the First Quarter 2021 and will continue into the Second 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 0.28 feet over 29 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
March 2021

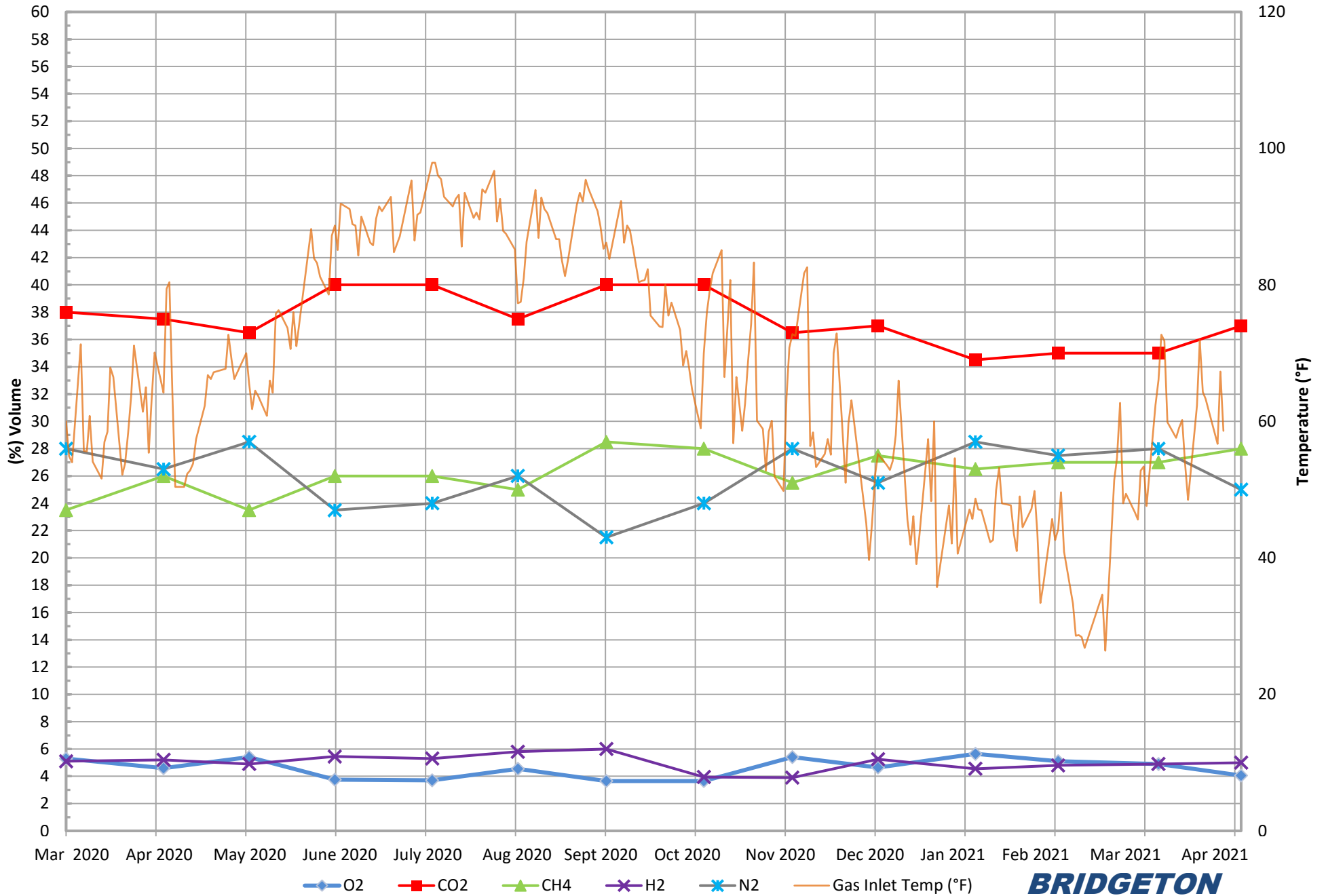
Date	Average Device Flow* (scfm)			Total Avg. Flow** (scfm)
	Utility Flare (FL-100)	Utility Flare (FL-120)	Utility Flare (FL-140)	
3/1/2021	1,074	1	0	1,075
3/2/2021	1,087	1	0	1,088
3/3/2021	1,082	0	0	1,082
3/4/2021	1,069	0	0	1,070
3/5/2021	1,051	1	0	1,053
3/6/2021	1,063	1	0	1,063
3/7/2021	1,075	0	0	1,075
3/8/2021	1,068	0	0	1,068
3/9/2021	1,073	0	0	1,073
3/10/2021	1,062	0	0	1,062
3/11/2021	1,021	0	0	1,021
3/12/2021	1,019	0	0	1,020
3/13/2021	1,028	0	0	1,029
3/14/2021	1,022	1	0	1,023
3/15/2021	1,009	1	0	1,010
3/16/2021	998	1	0	999
3/17/2021	1,011	0	0	1,012
3/18/2021	975	1	0	977
3/19/2021	987	1	0	988
3/20/2021	1,027	0	0	1,028
3/21/2021	1,042	0	0	1,042
3/22/2021	1,052	0	0	1,053
3/23/2021	1,042	0	0	1,042
3/24/2021	983	41	0	1,024
3/25/2021	1,014	0	0	1,015
3/26/2021	1,005	0	0	1,006
3/27/2021	1,041	0	0	1,041
3/28/2021	1,003	0	0	1,004
3/29/2021	1,036	0	0	1,037
3/30/2021	1,044	0	0	1,044
3/31/2021	1,015	1	0	1,016
AVERAGE	1,035	2	0	1,037

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

ATTACHMENT A-2

FLOW DATA GRAPHS

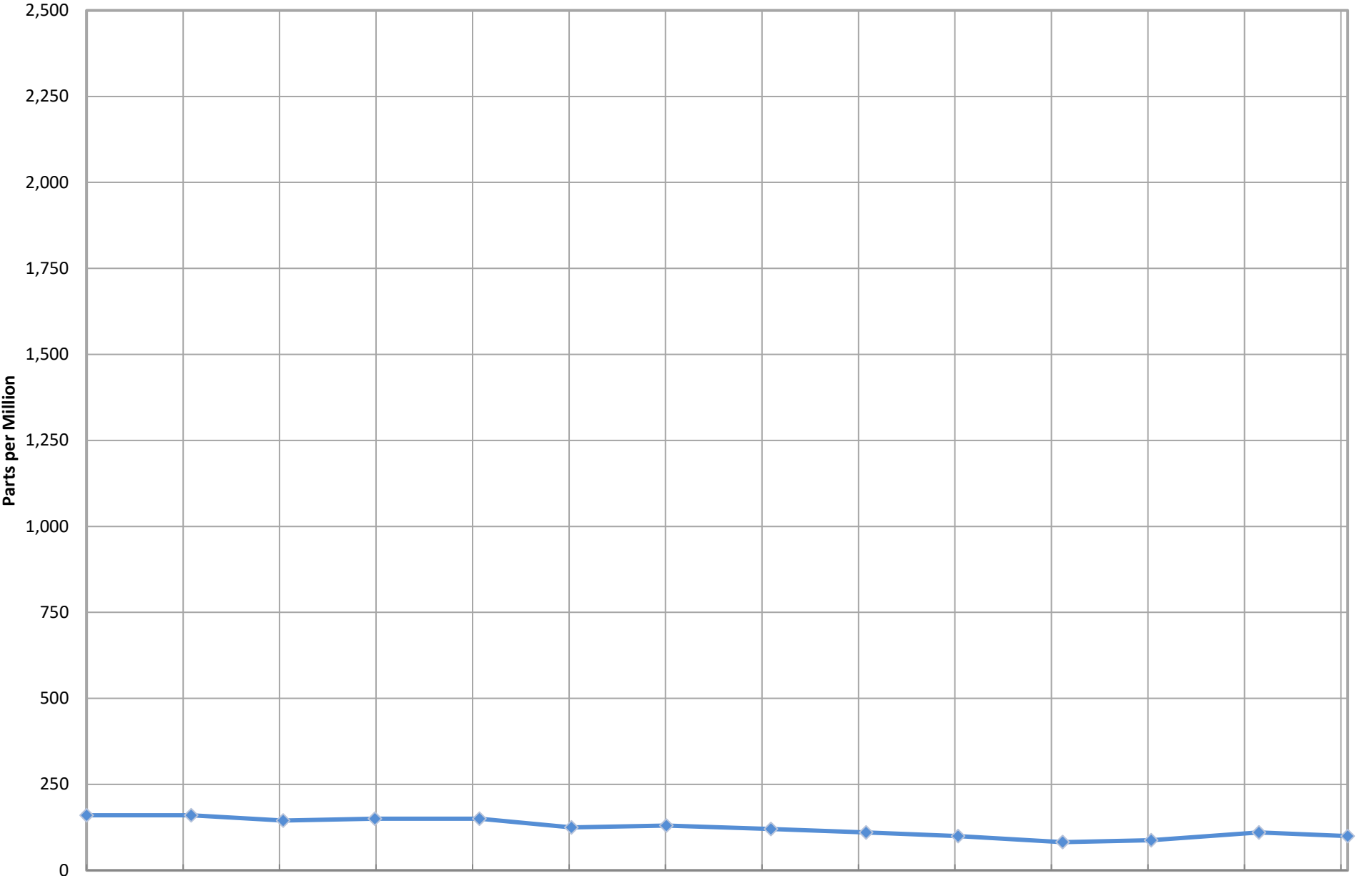
Combined Inlet Gas and Temperature*



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

Combined Inlet Carbon Monoxide*

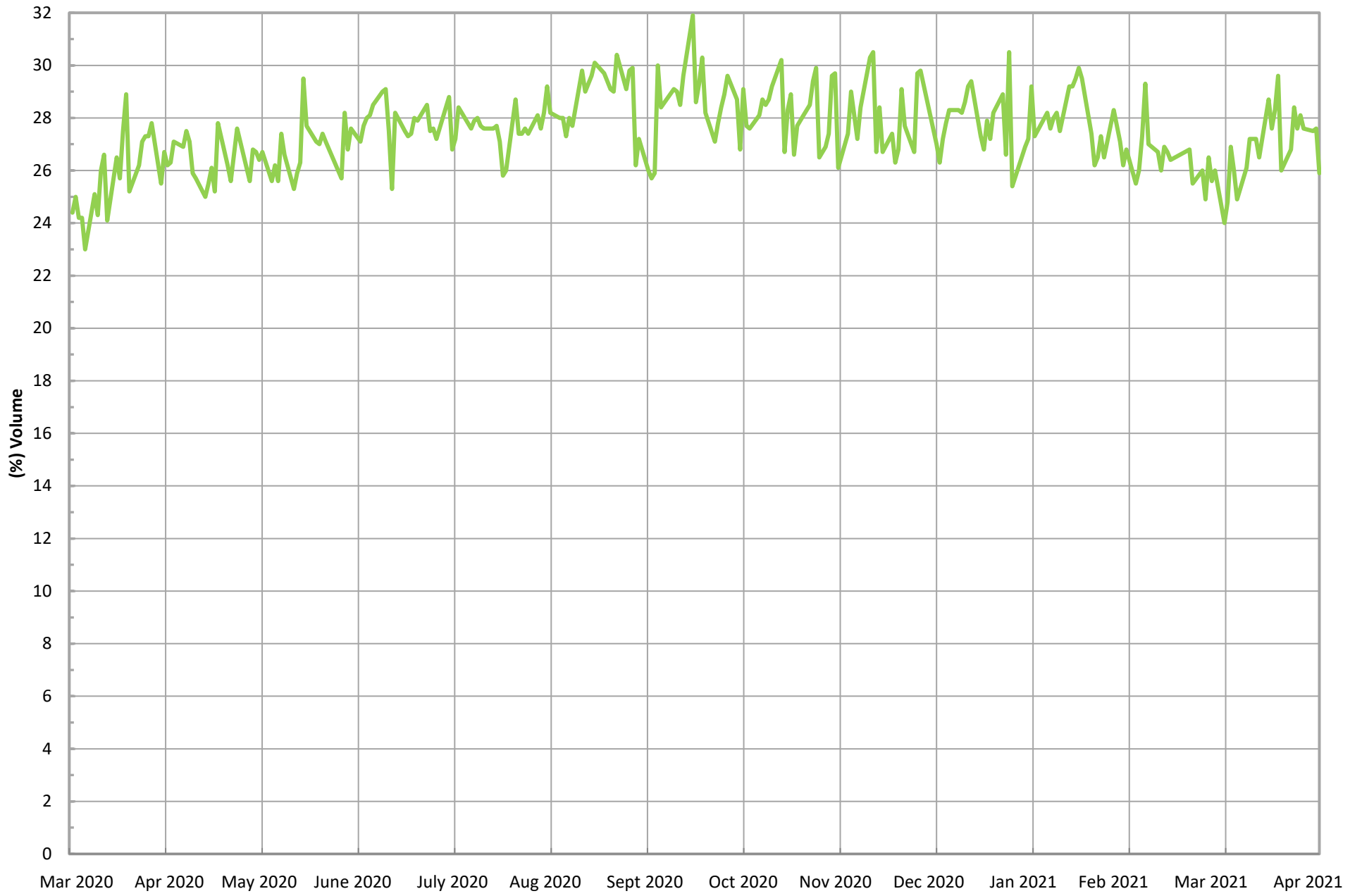


—◆— Inlet Carbon Monoxide*

*Data collected from Laboratory Reports.

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Combined Inlet Methane (Field Data)*

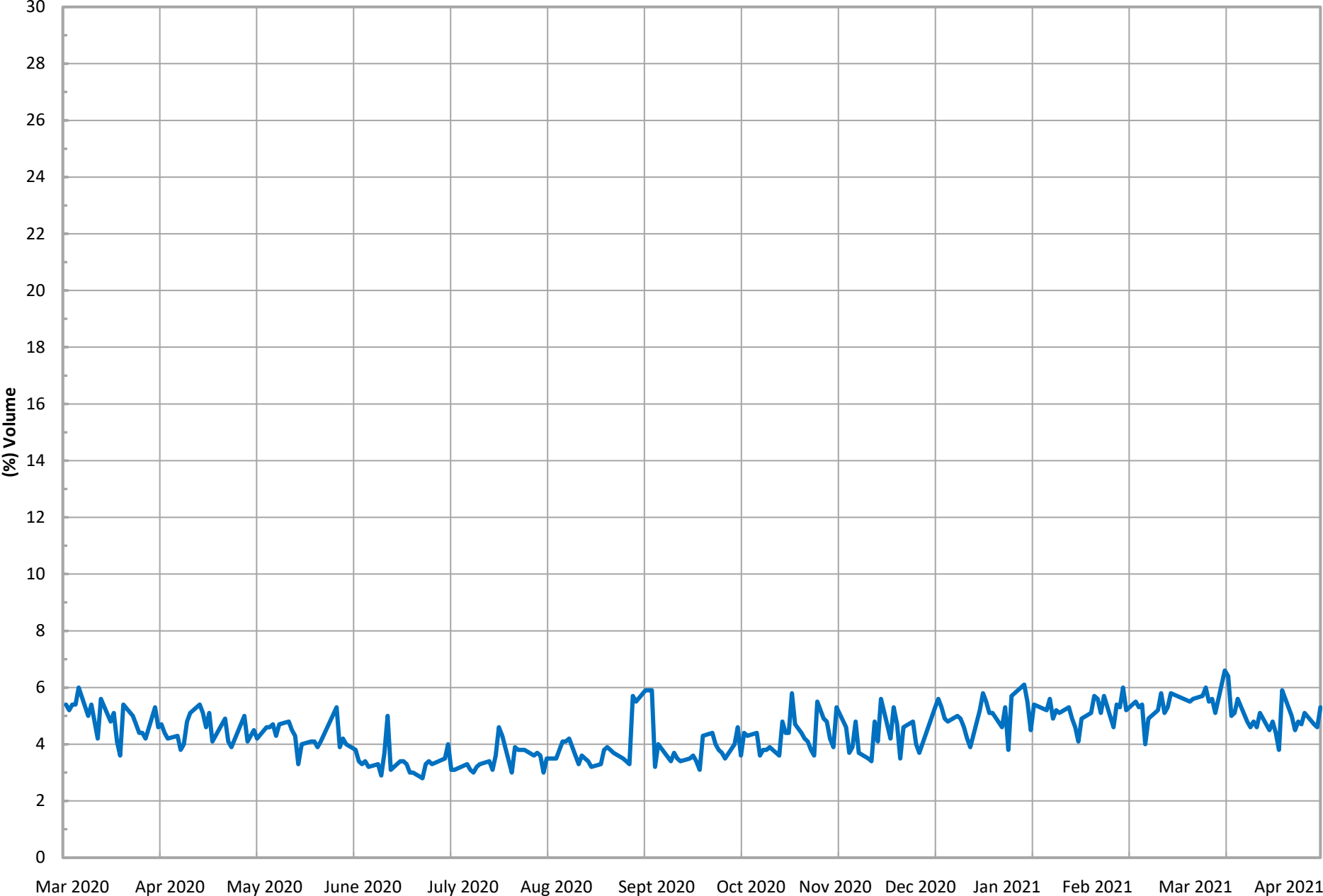


*Gas data collected from field monitoring data.

— Combined Inlet Methane (Field Data)*

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Combined Inlet Oxygen (Field Data)*

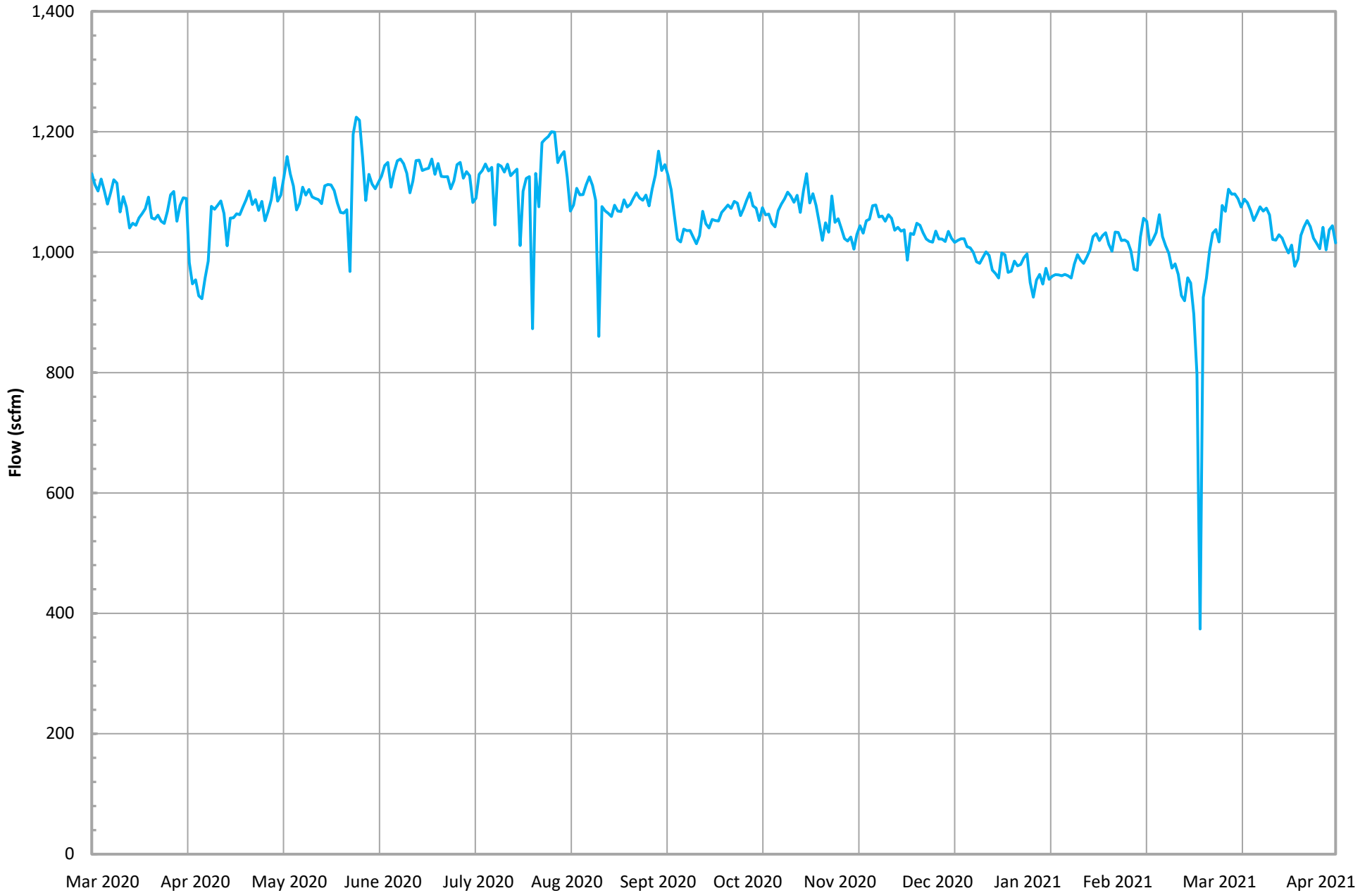


*Gas data collected from field monitoring data

— Combined Inlet Oxygen (Field Data)*

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Total Combined Flow (scfm)*



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

— Total Combined Flow (scfm)*

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ATTACHMENT B

WELL CONDITON/STATUS REPORT

March 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	

March 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	

March 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	

March 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	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-002	3/8/2021	48	38	ND	13	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-02S	3/8/2021	52	36	ND	11	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-003	3/8/2021	52	42	ND	5.6	ND	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-004	3/8/2021	52	38	ND	8.9	0.044	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-005	3/8/2021	52	37	ND	11	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-006	3/9/2021	53	37	ND	8.9	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-007	3/9/2021	53	40	ND	5.7	ND	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-008	3/9/2021	50	40	ND	6.9	1.3	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-009	3/9/2021	50	43	ND	4.8	0.58	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-040	3/9/2021	49	32	ND	18	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	
GEW-041R	3/9/2021	51	34	ND	15	ND	ND	

Laboratory Analysis - Bridgeton Landfill

Well Name	Date Sampled	Methane	CO ₂	O ₂ /Argon	Nitrogen	Hydrogen	Carbon Monoxide	Comments
		(%)						
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-042R	3/8/2021	54	38	ND	7.2	ND	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-043R	3/8/2021	53	40	ND	6.3	0.094	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-044	3/8/2021	42	32	ND	25	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-045R	3/8/2021	50	36	ND	12	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-046R	3/8/2021	50	39	ND	9.3	ND	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-047R	3/8/2021	50	39	ND	11	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-048	3/8/2021	52	39	ND	7.6	0.033	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-049	3/8/2021	46	35	ND	18	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-050	3/9/2021	51	37	ND	11	ND	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-051	3/9/2021	53	42	ND	ND	1.5	ND	
GEW-052	11/11/2020	49	40	ND	10	ND	ND	
GEW-052	12/9/2020	48	39	ND	12	ND	ND	
GEW-052	1/13/2021	49	39	ND	11	ND	ND	

Laboratory Analysis - Bridgeton Landfill

Well Name	Date Sampled	Methane	CO ₂	O ₂ /Argon	Nitrogen	Hydrogen	Carbon Monoxide	Comments
		(%)						
GEW-052	2/8/2021	47	38	ND	13	ND	ND	
GEW-052	3/9/2021	49	38	ND	12	ND	ND	
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-053	3/16/2021	45	43	ND	ND	8.5	69	
GEW-053	3/31/2021	47	42	ND	5.3	4.5	59	
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-054	3/9/2021	51	42	ND	4.1	1.4	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	
GEW-055	3/9/2021	51	44	ND	ND	2.3	ND	
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
Flare Station ²	3/9/2021	27.0	35.0	4.9	28.0	4.9	110	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	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-010	3/8/2021	53	40	ND	5.5	0.034	ND	
GEW-013A	1/7/2021	5.6	62	ND	5.0	25	590	
GEW-015	1/7/2021	26	45	1.6	12	16	270	
GEW-016R	1/7/2021	9.6	50	ND	14	25	510	
GEW-018B	1/8/2021	1.4	45	3.0	11	39	460	
GEW-019A	1/11/2021	1.4	55	5.0	18	21	730	See Note 4
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-039	3/8/2021	35	34	2.4	29	ND	ND	
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-056R	3/8/2021	44	39	ND	13	2.7	ND	
GEW-057B	1/13/2021	7.8	48	ND	4.9	37	420	
GEW-059R	1/8/2021	25	38	ND	13	22	280	
GEW-067A	1/7/2021	7.2	45	1.8	11	34	360	
GEW-068A	1/14/2021	24	47	ND	ND	25	620	
GEW-078R	1/8/2021	28	36	2.3	19	15	380	
GEW-082R	1/11/2021	10	28	4.5	37	20	440	
GEW-086	1/18/2021	7.8	29	4.5	40	19	260	
GEW-087	1/7/2021	8.7	48	2.7	20	20	410	
GEW-088	1/7/2021	1.7	43	ND	5.3	49	810	
GEW-090	1/7/2021	25	36	2.0	18	19	270	
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-091	3/15/2021	3.2	48	ND	ND	42	350	
GEW-100	1/14/2021	14	54	2.7	9.2	20	260	
GEW-101	1/14/2021	33	59	ND	5.9	ND	ND	
GEW-102	1/13/2021	17	27	9.2	32	13	ND	See Note 4
GEW-104	1/13/2021	1.7	51	ND	ND	42	370	
GEW-105	1/11/2021	43	44	ND	3.2	8.7	110	
GEW-106	1/11/2021	10.0	40	5.4	21	24	330	See Note 4
GEW-107	1/11/2021	45	49	ND	ND	3.6	96	
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-108	3/8/2021	40	42	ND	3.6	13	160	
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	

Laboratory Analysis - Bridgeton Landfill

Well Name	Date Sampled	Methane	CO ₂	O ₂ /Argon	Nitrogen	Hydrogen	Carbon Monoxide	Comments
							(ppm)	
		(%)						
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-109	3/8/2021	48	38	2.1	12	0.15	ND	
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-110	3/8/2021	46	42	1.9	7.2	2.3	39	
GEW-113	1/7/2021	12	56	1.9	10	19	450	
GEW-116	1/8/2021	33	59	ND	4.4	1.2	40	
GEW-117	1/11/2021	31	47	2.6	18	1.0	89	
GEW-118	1/11/2021	2.2	53	ND	4.8	38	520	
GEW-120	1/11/2021	39	42	2.3	16	0.11	ND	
GEW-121	1/11/2021	37	47	1.4	11	3.3	120	
GEW-122	1/11/2021	39	33	3.3	16	8.5	240	
GEW-123	1/11/2021	33	54	ND	11	0.63	85	
GEW-124	1/11/2021	34	25	9.0	31	ND	ND	See Note 4
GEW-125	1/13/2021	47	45	1.8	6.1	ND	ND	
GEW-126	1/13/2021	21	54	3.7	13	7.5	550	
GEW-127	1/14/2021	15	28	11	43	3.9	200	See Note 3
GEW-129	1/14/2021	37	52	ND	7.9	0.99	72	
GEW-130	1/14/2021	25	38	2.9	20	14	590	
GEW-131	1/13/2021	41	41	ND	5.3	11	340	
GEW-132	1/11/2021	20	34	1.7	29	14	440	
GEW-133	1/8/2021	11	40	2.1	33	14	410	
GEW-134	1/8/2021	9.9	34	3.4	38	14	300	
GEW-135	1/8/2021	4.8	45	1.6	21	28	470	
GEW-137	1/8/2021	41	41	1.8	16	ND	ND	
GEW-139	1/15/2021	8.5	47	2.0	6.6	36	1,300	
GEW-140	1/15/2021	23	46	ND	ND	28	650	
GEW-144	1/14/2021	39	37	5.3	19	0.23	ND	See Note 4
GEW-145	1/13/2021	28	41	2.3	8.3	18	66	
GEW-147	1/25/2021	16	44	ND	19	20	360	
GEW-148	1/7/2021	24	45	2.3	8.0	21	610	
GEW-149	1/7/2021	3.2	14	6.6	76	ND	ND	See Note 3
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	1/11/2021	24	45	2.4	12	17	340	
GEW-153	1/8/2021	31	33	ND	31	3.2	56	
GEW-156	1/25/2021	28	45	ND	5.1	21	370	
GEW-157	1/13/2021	34	42	ND	4.9	18	170	
GEW-158	1/11/2021	32	44	ND	8.4	13	210	
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-160	3/8/2021	33	34	ND	22	9.1	130	
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-161	3/8/2021	15	45	ND	8.3	30	620	

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-162	3/8/2021	19	57	1.9	12	10	320	
GEW-163	1/11/2021	24	39	4.0	33	0.16	ND	
GEW-164	1/11/2021	36	50	ND	12	ND	ND	
GEW-165	1/13/2021	24	50	3.6	15	6.6	160	
GEW-166	1/13/2021	2.4	57	ND	3.6	35	2,000	
GEW-167	1/13/2021	9.0	47	ND	5.6	37	1,400	
GEW-168	1/13/2021	45	48	ND	4.9	0.11	ND	
GEW-169	1/13/2021	33	53	ND	3.6	9.7	400	
GEW-170	1/14/2021	12	33	6.6	37	11	450	See Note 4
GEW-171	1/14/2021	24	43	6.2	25	1.6	85	See Note 4
GEW-172	1/14/2021	14	46	3.3	11	25	950	
GEW-174	1/15/2021	4.5	37	5.6	20	33	800	See Note 4
GEW-175	1/11/2021	21	21	7.0	50	0.50	70	See Note 4
GEW-177	1/14/2021	14	41	4.3	27	13	710	
GEW-178	1/13/2021	46	47	ND	5.9	ND	ND	
GEW-179	1/13/2021	46	51	ND	ND	ND	ND	
GEW-180	1/13/2021	38	54	1.8	6.3	ND	ND	
GEW-181	1/14/2021	26	61	2.9	10	ND	ND	
GEW-185	1/11/2021	36	50	ND	13	ND	ND	
GEW-186	1/14/2021	37	45	2.7	15	0.27	ND	
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-187	3/8/2021	45	47	ND	5.4	1.1	ND	
GEW-217	1/13/2021	6.4	47	2.7	9.2	34	400	
GEW-218	1/13/2021	31	46	ND	6.6	15	270	
GEW-220	1/13/2021	20	48	ND	ND	29	430	
GEW-221	1/14/2021	20	53	ND	ND	24	350	
GEW-222	1/14/2021	47	39	2.7	9.3	2.0	58	
GEW-223	1/14/2021	28	60	2.3	8.0	1.3	210	
GEW-224	1/14/2021	33	52	2.7	9.7	2.3	200	
GEW-225	1/14/2021	29	42	2.6	9.6	17	400	
GEW-226	1/15/2021	37	45	ND	ND	15	510	
GEW-227	1/8/2021	6.8	33	4.5	33	22	430	
GEW-228	1/8/2021	1.9	9.0	15	71	2.7	39	See Note 4
GEW-229	1/8/2021	1.4	13	8.1	77	0.61	ND	See Note 4
GEW-232	1/7/2021	25	55	ND	8.7	10.0	220	
GEW-233	1/8/2021	2.2	27	7.3	46	17	390	See Note 4
GEW-234	1/11/2021	11	43	ND	21	23	620	
GEW-235	1/11/2021	27	48	1.5	12	11	210	
GEW-236	1/15/2021	1.2	45	ND	ND	49	310	
GEW-237	1/11/2021	50	45	ND	ND	2.2	54	
GEW-238	1/7/2021	11	56	1.5	9.4	22	520	
GEW-239	1/7/2021	1.4	47	ND	3.5	46	800	
GEW-240	1/15/2021	21	33	ND	29	15	270	
GEW-241	1/13/2021	35	39	3.8	21	0.036	ND	
GEW-242	1/15/2021	19	49	ND	4.4	26	420	
GEW-243	1/13/2021	19	66	ND	3.3	10	560	
GEW-244	1/13/2021	23	56	ND	4.7	14	400	
GEW-245	1/11/2021	21	63	ND	3.8	11	760	

Laboratory Analysis - Bridgeton Landfill

Well Name	Date Sampled	Methane	CO ₂	O ₂ /Argon	Nitrogen	Hydrogen	Carbon Monoxide	Comments
		(%)						
GEW-246	1/7/2021	17	54	ND	4.6	23	560	
GEW-247	1/11/2021	36	43	ND	3.7	17	350	
GEW-248	1/15/2021	7.1	27	4.7	46	15	380	
GEW-249	1/11/2021	38	55	ND	ND	3.7	88	
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	1/13/2021	28	48	ND	ND	21	210	
GEW-253	1/8/2021	2.4	16	11	62	7.9	160	See Note 4
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-01	3/8/2021	29	52	ND	7.6	11	280	
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-02	3/8/2021	17	50	1.7	19	12	410	
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-03	3/8/2021	24	43	ND	19	13	330	
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-04	3/8/2021	26	42	1.6	9.3	21	380	
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-05	3/8/2021	33	38	ND	17	11	100	
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-06	3/8/2021	37	38	ND	20	3.7	33	
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-07	3/8/2021	48	47	ND	4.4	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-08	3/8/2021	46	40	1.8	11	ND	ND	
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	

Laboratory Analysis - Bridgeton Landfill

Well Name	Date Sampled	Methane	CO ₂	O ₂ /Argon	Nitrogen	Hydrogen	Carbon Monoxide	Comments
		(%)						
GIW-09	3/8/2021	33	37	1.9	19	8.4	62	
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	
GIW-10	2/10/2021	32	34	ND	25	7.8	93	
GIW-10	3/8/2021	29	31	2.0	31	6.5	74	
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-11	3/8/2021	25	29	2.6	42	2.1	91	
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-12	3/8/2021	30	33	2.5	31	2.9	61	
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	
GIW-13	3/8/2021	43	40	2.6	11	3.6	37	

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

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

ATTACHMENT C-2

LABORATORY ANALYSES REPORTS



March 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: M031805-01/49

Enclosed are results for sample(s) received 3/18/21 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 3/25/21.

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 that appears 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		DELIVERABLES	PAGE: 1 OF 6
Standard <input type="checkbox"/>	48 hours <input type="checkbox"/>	EDD <input checked="" type="checkbox"/>	Condition upon receipt: Sealed Yes <input type="checkbox"/> No <input type="checkbox"/> Intact Yes <input type="checkbox"/> No <input type="checkbox"/> Chilled _____ deg C
Same Day <input type="checkbox"/>	72 hours <input type="checkbox"/>	EDF <input type="checkbox"/>	
24 hours <input type="checkbox"/>	96 hours <input type="checkbox"/>	Level 3 <input type="checkbox"/>	
Other: 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.: PO9675764
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						
	Cannister ID	Sample Start	Sample End														
M031805-01	4657	-20.4	-5	GEW 2S	3/8/2021	9:12	C	LFG	NA	X							5
-02	3838	-20.7	-5	GEW 46R	3/8/2021	9:27	C	LFG	NA	X							5
-03	3833	-2035	-5	GEW 45R	3/8/2021	9:39	C	LFG	NA	X							5
-04	3162	-20.3	-5	GEW 2	3/8/2021	9:51	C	LFG	NA	X							5
-05	A7665	-20.9	-5	GEW 3	3/8/2021	10:02	C	LFG	NA	X							5
-06	6135	-21	-5	GEW 4	3/8/2021	10:13	C	LFG	NA	X							5
-07	A7808	-20.4	-5	GEW 47R	3/8/2021	10:23	C	LFG	NA	X							5
-08	O1419	-20.6	-5	GEW 5	3/8/2021	10:34	C	LFG	NA	X							5
-09	O1411	-20.5	-5	GEW 48	3/8/2021	10:46	C	LFG	NA	X							5
-10	O1421	-20.8	-5	GEW 49	3/8/2021	11:02	C	LFG	NA	X							5

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

SAMPLED BY: Andy Guthrie **COMPANY:** Hunt Environmental Specialist **DATE/TIME:** 3/8/2021

RELINQUISHED BY: <i>[Signature]</i>	DATE/TIME: 3-17-2021	RECEIVED BY:	DATE/TIME:
RELINQUISHED BY: <i>[Signature]</i>	DATE/TIME: 3/18/21	RECEIVED BY: <i>[Signature]</i>	DATE/TIME: 3/18/21 10:38
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: 2 OF 6
Standard <input type="checkbox"/>	48 hours <input type="checkbox"/>	EDD <input checked="" type="checkbox"/>	Condition upon receipt: Sealed Yes <input type="checkbox"/> No <input type="checkbox"/> Intact Yes <input type="checkbox"/> No <input type="checkbox"/> Chilled _____ deg C
Same Day <input type="checkbox"/>	72 hours <input type="checkbox"/>	EDF <input type="checkbox"/>	
24 hours <input type="checkbox"/>	96 hours <input type="checkbox"/>	Level 3 <input type="checkbox"/>	
Other: <u>5 Day</u>		Level 4 <input type="checkbox"/>	

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

BILLING
P.O. No.: PO9675764
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				
	Cannister ID	Sample Start	Sample End												
M031805-11	O1401	-20.4	-5	GEW 44	3/8/2021	11:14	C	LFG	NA	X					5
-12	O1412	-20.3	-5	GEW 43R	3/8/2021	11:28	C	LFG	NA	X					5
-13	O1410	-20.4	-5	GEW 42R	3/8/2021	11:39	C	LFG	NA	X					5
-14	O1400	-20.4	-5	GEW 6	3/9/2021	9:32	C	LFG	NA	X					5
-15	O1407	-20	-5	GEW 50	3/9/2021	9:41	C	LFG	NA	X					5
-16	O1409	-20.4	-5	GEW 52	3/9/2021	9:51	C	LFG	NA	X					5
-17	O1413	-20.5	-5	GEW 7	3/9/2021	10:01	C	LFG	NA	X					5
-18	O1422	-20.4	-5	GEW 8	3/9/2021	10:11	C	LFG	NA	X					5
-19	O1402	-20.1	-5	GEW 9	3/9/2021	10:21	C	LFG	NA	X					5
-20	O1404	-20.3	-5	GEW 51	3/9/2021	10:35	C	LFG	NA	X					5

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

SAMPLED BY: Andy Guthrie **COMPANY:** Hunt Environmental Specialist **DATE/TIME:** 3/9/2021

RELINQUISHED BY: <i>Andy Guthrie</i>	DATE/TIME: 3-17-2021	RECEIVED BY:	DATE/TIME:
RELINQUISHED BY: <i>FedEx</i>	DATE/TIME: 3/18/21	RECEIVED BY: <i>[Signature]</i>	DATE/TIME: 3/18/21
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: 3 OF 6
Standard <input type="checkbox"/>	48 hours <input type="checkbox"/>	EDD <input checked="" type="checkbox"/>	Condition upon receipt: Sealed Yes <input type="checkbox"/> No <input type="checkbox"/> Intact Yes <input type="checkbox"/> No <input type="checkbox"/> Chilled _____ deg C
Same Day <input type="checkbox"/>	72 hours <input type="checkbox"/>	EDF <input type="checkbox"/>	
24 hours <input type="checkbox"/>	96 hours <input type="checkbox"/>	Level 3 <input type="checkbox"/>	
Other: 5 Day		Level 4 <input type="checkbox"/>	

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

BILLING	ANALYSIS REQUEST
P.O. No.: PO9675764	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	ANALYSIS REQUEST					
	Cannister ID	Sample Start	Sample End													
M031805-21	O1415	-20	-5	GEW 54	3/9/2021	10:47	C	LFG	NA	X						5
-22	O1426	-20	-5	GEW 55	3/9/2021	10:57	C	LFG	NA	X						5
-23	O1423	-20.3	-5	GEW 40	3/9/2021	11:08	C	LFG	NA	X						5
-24	O1416	-20.3	-5	GEW 41R	3/9/2021	11:17	C	LFG	NA	X						5
-25	O1399	-20.5	-5	GEW 53	3/16/2021	7:50	C	LFG	NA	X						4

AUTHORIZATION TO PERFORM WORK: Dave Penoyer	COMPANY: Republic Services
SAMPLED BY: Andy Guthrie / Tim Ahrens	COMPANY: Hunt Environmental Specialist
DATE/TIME: 3/9/2021-3/16/21	
RELINQUISHED BY: <i>[Signature]</i>	DATE/TIME: 3-17-2021
RELINQUISHED BY: <i>[Signature]</i>	DATE/TIME: 3/18/21
RELINQUISHED BY: <i>[Signature]</i>	DATE/TIME: 3/18/21

COMMENTS

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



18501 E. Gale Ave., Suite 130
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Fx: 626-964-5832

CHAIN OF CUSTODY RECORD

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

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

BILLING
P.O. No.: PO9675764
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				
	Cannister ID	Sample Start	Sample End												
M031805-26	R5221	-20.8	-5	GIW 1	3/8/2021	8:51	C	LFG	NA	X					4.5
-27	3439	-20.5	-5	GIW 2	3/8/2021	9:02	C	LFG	NA	X					4.5
-28	N3685	-20.8	-5	GIW 3	3/8/2021	9:11	C	LFG	NA	X					5
-29	R2495	-20.4	-5	GIW 4	3/8/2021	9:21	C	LFG	NA	X					5
-30	A7759	-20.6	-5	GIW 5	3/8/2021	9:31	C	LFG	NA	X					5
-31	N3697	-20.6	-5	GIW 6	3/8/2021	9:41	C	LFG	NA	X					4.9
-32	R5277	-20.5	-5	GIW 7	3/8/2021	9:50	C	LFG	NA	X					5
-33	A7670	-20.4	-5	GIW 8	3/8/2021	9:59	C	LFG	NA	X					5
-34	5903	-20.3	-5	GIW 9	3/8/2021	10:08	C	LFG	NA	X					5
-35	A7804	-20.6	-5	GIW10	3/8/2021	10:44	C	LFG	NA	X					5

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

SAMPLED BY: Steven Romaine **COMPANY:** Hunt Environmental Specialist **DATE/TIME:** 3/8/2021

RELINQUISHED BY: <u>Steven Romaine</u>	DATE/TIME: <u>3-17-2021</u>	RECEIVED BY:	DATE/TIME:
RELINQUISHED BY: <u>FELIX</u>	DATE/TIME: <u>3/18/21</u>	RECEIVED BY: <u>Jerry</u>	DATE/TIME: <u>3/18/21</u>
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: 5 OF 6

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

- EDD
 EDF
 Level 3
 Level 4

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

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

BILLING
P.O. No.: PO9675764
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					
	Cannister ID	Sample Start	Sample End													
M031805-36	38305	-20.4	-5	GIW 11	3/8/2021	10:54	C	LFG	NA	X						5
-37	A7816	-20.1	-5	GIW 12	3/8/2021	11:04	C	LFG	NA	X						5
-38	5271	-19.9	-5	GIW 13	3/8/2021	11:13	C	LFG	NA	X						5
-39	R2480	-19.9	-5	GEW 110	3/8/2021	11:21	C	LFG	NA	X						5
-40	A7811	-20.2	-5	GEW 10	3/8/2021	11:32	C	LFG	NA	X						5
-41	A7809	-20.3	-5	GEW 56R	3/8/2021	11:41	C	LFG	NA	X						5
-42	6154	-20	-5	GEW 39	3/8/2021	14:05	C	LFG	NA	X						6
-43	R5210	-20	-5	GEW 109	3/8/2021	14:26	C	LFG	NA	X						6
-44	3164	-20	-5	GEW 108	3/8/2021	14:34	C	LFG	NA	X						6
-45	3435	-19.8	-5	GEW 187	3/8/2021	14:44	C	LFG	NA	X						6

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

SAMPLED BY: Steven Romaine **COMPANY:** Hunt Environmental Specialist **DATE/TIME:** 3/8/2021

RELINQUISHED BY: <i>Steven Romaine</i>	DATE/TIME: 3-17-2021	RECEIVED BY:	DATE/TIME:
RELINQUISHED BY: <i>FEN EX</i>	DATE/TIME: 3/18/21	RECEIVED BY: <i>(Signature)</i>	DATE/TIME: 3/18/21
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: 6 OF 6
Standard	<input type="checkbox"/> 48 hours <input checked="" type="checkbox"/>	EDD <input checked="" type="checkbox"/>	Condition upon receipt: Sealed Yes <input type="checkbox"/> No <input type="checkbox"/> Intact Yes <input type="checkbox"/> No <input type="checkbox"/> Chilled _____ deg C
Same Day	<input type="checkbox"/> 72 hours <input type="checkbox"/>	EDF <input type="checkbox"/>	
24 hours	<input type="checkbox"/> 96 hours <input type="checkbox"/>	Level 3 <input type="checkbox"/>	
Other:	<u>5 Day</u>	Level 4 <input type="checkbox"/>	

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

BILLING
P.O. No.: PO9675764
Bill to: Republic Services
 Attn: Mike Lambrich
 13570 St. Charles Rock Rd.
 Bridgeton, MO 63044

ANALYSIS REQUEST

D1946 + CO, H2																				
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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																				
M031805-46	N3681	-20.2	-5	GEW 162	3/8/2021	14:59	C	LFG	NA	X													6
↓ -47	5320	-20.1	-5	GEW 161	3/8/2021	15:08	C	LFG	NA	X													6
↓ -48	A7782	-19.9	-5	GEW 160	3/8/2021	14:18	C	LFG	NA	X													5
↓ -49	5901	-20.1	-5	GEW 91	3/15/2021	7:59	C	LFG	NA	X													5

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

SAMPLED BY: Steven Romaine **COMPANY:** Hunt Environmental Specialist **DATE/TIME:** 3/8/2021

RELINQUISHED BY: <i>Steven Romaine</i>	DATE/TIME: 3-17-2021	RECEIVED BY:	DATE/TIME:
RELINQUISHED BY: <i>FEDEX</i>	DATE/TIME: 3/18/21	RECEIVED BY: <i>(Signature)</i>	DATE/TIME: 3/18/21 1438
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: 03/18/21
 Matrix: Air
 Reporting Units: % v/v

ASTM D1946

Lab No.:	M031805-01	M031805-02	M031805-03	M031805-04				
Client Sample I.D.:	GEW 2S	GEW 46R	GEW 45R	GEW 2				
Date/Time Sampled:	3/8/21 9:12	3/8/21 9:27	3/8/21 9:39	3/8/21 9:51				
Date/Time Analyzed:	3/22/21 10:36	3/22/21 10:50	3/22/21 11:05	3/22/21 11:19				
QC Batch No.:	210322GC8A1	210322GC8A1	210322GC8A1	210322GC8A1				
Analyst Initials:	CM	CM	CM	CM				
Dilution Factor:	3.2	3.2	3.2	3.2				
ANALYTE	Result % v/v	RL % v/v	Result % v/v	RL % v/v	Result % v/v	RL % v/v	Result % v/v	RL % v/v
Hydrogen	ND d	0.032	ND d	0.032	ND d	0.032	ND d	0.032
Carbon Dioxide	36	0.032	39	0.032	36	0.032	38	0.032
Oxygen/Argon	ND	1.6	ND	1.6	ND	1.6	ND	1.6
Nitrogen	11	3.2	9.3	3.2	12	3.2	13	3.2
Methane	52	0.0032	50	0.0032	50	0.0032	48	0.0032
Carbon Monoxide	ND	0.0032	ND	0.0032	ND	0.0032	ND	0.0032

Results normalized including non-methane hydrocarbons

ND = Not Detected (below RL)

RL = Reporting Limit

d = Analyzed by secondary analysis, batch number 210324GC8A1

Reviewed/Approved By: Mark Johnson
 Mark Johnson
 Operations Manager

Date 3/25/21

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: 03/18/21
Matrix: Air
Reporting Units: % v/v

ASTM D1946


Lab No.:	M031805-05	M031805-06	M031805-07	M031805-08				
Client Sample I.D.:	GEW 3	GEW 4	GEW 47R	GEW 5				
Date/Time Sampled:	3/8/21 10:02	3/8/21 10:13	3/8/21 10:23	3/8/21 10:34				
Date/Time Analyzed:	3/22/21 11:34	3/22/21 11:48	3/22/21 12:03	3/22/21 12:17				
QC Batch No.:	210322GC8A1	210322GC8A1	210322GC8A1	210322GC8A1				
Analyst Initials:	CM	CM	CM	CM				
Dilution Factor:	3.2	3.2	3.2	3.2				
ANALYTE	Result % v/v	RL % v/v	Result % v/v	RL % v/v	Result % v/v	RL % v/v	Result % v/v	RL % v/v
Hydrogen	ND d	0.032	0.044 d	0.032	ND d	0.032	ND d	0.032
Carbon Dioxide	42	0.032	38	0.032	39	0.032	37	0.032
Oxygen/Argon	ND	1.6	ND	1.6	ND	1.6	ND	1.6
Nitrogen	5.6	3.2	8.9	3.2	11	3.2	11	3.2
Methane	52	0.0032	52	0.0032	50	0.0032	52	0.0032
Carbon Monoxide	ND	0.0032	ND	0.0032	ND	0.0032	ND	0.0032

Results normalized including non-methane hydrocarbons

ND = Not Detected (below RL)

RL = Reporting Limit

d = Analyzed by secondary analysis, batch number 210324GC8A1

Reviewed/Approved By: 
 Mark Johnson
 Operations Manager

Date 3/25/21

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: 03/18/21
Matrix: Air
Reporting Units: % v/v

ASTM D1946

Lab No.:	M031805-09	M031805-10	M031805-11	M031805-12				
Client Sample I.D.:	GEW 48	GEW 49	GEW 44	GEW 43R				
Date/Time Sampled:	3/8/21 10:46	3/8/21 11:02	3/8/21 11:14	3/8/21 11:28				
Date/Time Analyzed:	3/22/21 12:32	3/22/21 12:46	3/22/21 13:01	3/22/21 13:15				
QC Batch No.:	210322GC8A1	210322GC8A1	210322GC8A1	210322GC8A1				
Analyst Initials:	CM	CM	CM	CM				
Dilution Factor:	3.2	3.2	3.2	3.2				
ANALYTE	Result % v/v	RL % v/v	Result % v/v	RL % v/v	Result % v/v	RL % v/v	Result % v/v	RL % v/v
Hydrogen	0.033 d	0.032	ND d	0.032	ND d	0.032	0.094 d	0.032
Carbon Dioxide	39	0.032	35	0.032	32	0.032	40	0.032
Oxygen/Argon	ND	1.6	ND	1.6	ND	1.6	ND	1.6
Nitrogen	7.6	3.2	18	3.2	25	3.2	6.3	3.2
Methane	52	0.0032	46	0.0032	42	0.0032	53	0.0032
Carbon Monoxide	ND	0.0032	ND	0.0032	ND	0.0032	ND	0.0032

Results normalized including non-methane hydrocarbons

ND = Not Detected (below RL)

RL = Reporting Limit

d = Analyzed by secondary analysis, batch number 210324GC8A1

Reviewed/Approved By: Mark Johnson
 Operations Manager

Date 3/25/21

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: 03/18/21
 Matrix: Air
 Reporting Units: % v/v

ASTM D1946

Lab No.:	M031805-13	M031805-14	M031805-15	M031805-16				
Client Sample I.D.:	GEW 42R	GEW 6	GEW 50	GEW 52				
Date/Time Sampled:	3/8/21 11:39	3/9/21 9:32	3/9/21 9:41	3/9/21 9:51				
Date/Time Analyzed:	3/22/21 13:30	3/22/21 13:44	3/22/21 13:59	3/22/21 14:13				
QC Batch No.:	210322GC8A1	210322GC8A1	210322GC8A1	210322GC8A1				
Analyst Initials:	CM	CM	CM	CM				
Dilution Factor:	3.2	3.2	3.2	3.2				
ANALYTE	Result % v/v	RL % v/v	Result % v/v	RL % v/v	Result % v/v	RL % v/v	Result % v/v	RL % v/v
Hydrogen	ND d	0.032	ND d	0.032	ND d	0.032	ND d	0.032
Carbon Dioxide	38	0.032	37	0.032	37	0.032	38	0.032
Oxygen/Argon	ND	1.6	ND	1.6	ND	1.6	ND	1.6
Nitrogen	7.2	3.2	8.9	3.2	11	3.2	12	3.2
Methane	54	0.0032	53	0.0032	51	0.0032	49	0.0032
Carbon Monoxide	ND	0.0032	ND	0.0032	ND	0.0032	ND	0.0032

Results normalized including non-methane hydrocarbons

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Reviewed/Approved By: Mark Johnson
 Mark Johnson
 Operations Manager

Date 3/25/21

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: 03/18/21
Matrix: Air
Reporting Units: % v/v

ASTM D1946

Lab No.:	M031805-17	M031805-18	M031805-19	M031805-20				
Client Sample I.D.:	GEW 7	GEW 8	GEW 9	GEW 51				
Date/Time Sampled:	3/9/21 10:01	3/9/21 10:11	3/9/21 10:21	3/9/21 10:35				
Date/Time Analyzed:	3/22/21 14:28	3/22/21 14:42	3/22/21 14:57	3/22/21 15:11				
QC Batch No.:	210322GC8A1	210322GC8A1	210322GC8A1	210322GC8A1				
Analyst Initials:	CM	CM	CM	CM				
Dilution Factor:	3.2	3.2	3.2	3.2				
ANALYTE	Result	RL	Result	RL	Result	RL	Result	RL
	% v/v	% v/v	% v/v	% v/v	% v/v	% v/v	% v/v	% v/v
Hydrogen	ND d	0.032	1.3 d	0.032	0.58 d	0.032	1.5 d	0.032
Carbon Dioxide	40	0.032	40	0.032	43	0.032	42	0.032
Oxygen/Argon	ND	1.6	ND	1.6	ND	1.6	ND	1.6
Nitrogen	5.7	3.2	6.9	3.2	4.8	3.2	ND	3.2
Methane	53	0.0032	50	0.0032	50	0.0032	53	0.0032
Carbon Monoxide	ND	0.0032	ND	0.0032	ND	0.0032	ND	0.0032

Results normalized including non-methane hydrocarbons

ND = Not Detected (below RL)

RL = Reporting Limit

d = Analyzed by secondary analysis, batch number 210324GC8A1

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

Date 3/25/21

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: 03/18/21
Matrix: Air
Reporting Units: % v/v

ASTM D1946

Lab No.:	M031805-21	M031805-22	M031805-23	M031805-24				
Client Sample I.D.:	GEW 54	GEW 55	GEW 40	GEW 41R				
Date/Time Sampled:	3/9/21 19:47	3/9/21 10:57	3/9/21 11:08	3/9/21 11:17				
Date/Time Analyzed:	3/22/21 17:22	3/22/21 17:37	3/22/21 17:51	3/22/21 18:06				
QC Batch No.:	210322GC8A2	210322GC8A2	210322GC8A2	210322GC8A2				
Analyst Initials:	CM	CM	CM	CM				
Dilution Factor:	3.2	3.2	3.2	3.2				
ANALYTE	Result % v/v	RL % v/v	Result % v/v	RL % v/v	Result % v/v	RL % v/v	Result % v/v	RL % v/v
Hydrogen	1.4 d	0.032	2.3 d	0.032	ND d	0.032	ND d	0.032
Carbon Dioxide	42	0.032	44	0.032	32	0.032	34	0.032
Oxygen/Argon	ND	1.6	ND	1.6	ND	1.6	ND	1.6
Nitrogen	4.1	3.2	ND	3.2	18	3.2	15	3.2
Methane	51	0.0032	51	0.0032	49	0.0032	51	0.0032
Carbon Monoxide	ND	0.0032	ND	0.0032	ND	0.0032	ND	0.0032


Results normalized including non-methane hydrocarbons

ND = Not Detected (below RL)

RL = Reporting Limit

d = Analyzed by secondary analysis, batch number 210324GC8A2

Reviewed/Approved By: _____


Mark Johnson
Operations Manager

Date: _____

3/25/21

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: 03/18/21
 Matrix: Air
 Reporting Units: % v/v


ASTM D1946

Lab No.:	M031805-25	M031805-26	M031805-27	M031805-28				
Client Sample I.D.:	GEW 53	GIW 1	GIW 2	GIW 3				
Date/Time Sampled:	3/16/21 7:50	3/8/21 8:51	3/8/21 9:02	3/8/21 9:11				
Date/Time Analyzed:	3/22/21 18:20	3/22/21 18:35	3/22/21 18:49	3/22/21 19:04				
QC Batch No.:	210322GC8A2	210322GC8A2	210322GC8A2	210322GC8A2				
Analyst Initials:	CM	CM	CM	CM				
Dilution Factor:	3.0	3.1	3.1	3.2				
ANALYTE	Result % v/v	RL % v/v	Result % v/v	RL % v/v	Result % v/v	RL % v/v	Result % v/v	RL % v/v
Hydrogen	8.5	3.0	11	3.1	12	3.1	13	3.2
Carbon Dioxide	43	0.030	52	0.031	50	0.031	43	0.032
Oxygen/Argon	ND	1.5	ND	1.5	1.7	1.5	ND	1.6
Nitrogen	ND	3.0	7.6	3.1	19	3.1	19	3.2
Methane	45	0.0030	29	0.0031	17	0.0031	24	0.0032
Carbon Monoxide	0.0069	0.0030	0.028	0.0031	0.041	0.0031	0.033	0.0032

Results normalized including non-methane hydrocarbons

ND = Not Detected (below RL)

RL = Reporting Limit

Reviewed/Approved By: _____

 Mark Johnson
 Operations Manager

Date: 3/25/21

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: 03/18/21
 Matrix: Air
 Reporting Units: % v/v

ASTM D1946

Lab No.:	M031805-29	M031805-30	M031805-31	M031805-32				
Client Sample I.D.:	GIW 4	GIW 5	GIW 6	GIW 7				
Date/Time Sampled:	3/8/21 9:21	3/8/21 9:31	3/8/21 9:41	3/8/21 9:50				
Date/Time Analyzed:	3/22/21 19:18	3/22/21 19:33	3/22/21 19:47	3/22/21 20:02				
QC Batch No.:	210322GC8A2	210322GC8A2	210322GC8A2	210322GC8A2				
Analyst Initials:	CM	CM	CM	CM				
Dilution Factor:	3.2	3.2	3.1	3.2				
ANALYTE	Result % v/v	RL % v/v	Result % v/v	RL % v/v	Result % v/v	RL % v/v	Result % v/v	RL % v/v
Hydrogen	21	3.2	11	3.2	3.7 d	0.031	ND d	0.032
Carbon Dioxide	42	0.032	38	0.032	38	0.031	47	0.032
Oxygen/Argon	1.6	1.6	ND	1.6	ND	1.5	ND	1.6
Nitrogen	9.3	3.2	17	3.2	20	3.1	4.4	3.2
Methane	26	0.0032	33	0.0032	37	0.0031	48	0.0032
Carbon Monoxide	0.038	0.0032	0.0100	0.0032	0.0033	0.0031	ND	0.0032

Results normalized including non-methane hydrocarbons

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Reviewed/Approved By: Mark Johnson
 Operations Manager

Date 3/25/21

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Client: Republic Services
 Attn: Mike Lambrich
 Project Name: Bridgeton Landfill
 Project No.: NA
 Date Received: 03/18/21
 Matrix: Air
 Reporting Units: % v/v

ASTM D1946

Lab No.:	M031805-33	M031805-34	M031805-35	M031805-36				
Client Sample I.D.:	GIW 8	GIW 9	GIW10	GIW 11				
Date/Time Sampled:	3/8/21 9:59	3/8/21 10:08	3/8/21 10:44	3/8/21 10:54				
Date/Time Analyzed:	3/22/21 20:16	3/22/21 20:31	3/22/21 20:45	3/22/21 21:00				
QC Batch No.:	210322GC8A2	210322GC8A2	210322GC8A2	210322GC8A2				
Analyst Initials:	CM	CM	CM	CM				
Dilution Factor:	3.2	3.2	3.2	3.2				
ANALYTE	Result % v/v	RL % v/v	Result % v/v	RL % v/v	Result % v/v	RL % v/v	Result % v/v	RL % v/v
Hydrogen	ND d	0.032	8.4	3.2	6.5	3.2	2.1 d	0.032
Carbon Dioxide	40	0.032	37	0.032	31	0.032	29	0.032
Oxygen/Argon	1.8	1.6	1.9	1.6	2.0	1.6	2.6	1.6
Nitrogen	11	3.2	19	3.2	31	3.2	42	3.2
Methane	46	0.0032	33	0.0032	29	0.0032	25	0.0032
Carbon Monoxide	ND	0.0032	0.0062	0.0032	0.0074	0.0032	0.0091	0.0032

Results normalized including non-methane hydrocarbons

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Reviewed/Approved By: Mark Johnson
 Mark Johnson
 Operations Manager

Date 3/25/21

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: 03/18/21
Matrix: Air
Reporting Units: % v/v

ASTM D1946

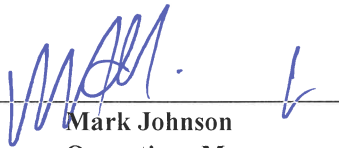
Lab No.:	M031805-37	M031805-38	M031805-39	M031805-40				
Client Sample I.D.:	GIW 12	GIW 13	GEW 110	GEW 10				
Date/Time Sampled:	3/8/21 11:04	3/8/21 11:13	3/8/21 11:21	3/8/21 11:32				
Date/Time Analyzed:	3/22/21 21:15	3/22/21 21:29	3/22/21 21:44	3/22/21 21:58				
QC Batch No.:	210322GC8A2	210322GC8A2	210322GC8A2	210322GC8A2				
Analyst Initials:	CM	CM	CM	CM				
Dilution Factor:	3.2	3.2	3.2	3.2				
ANALYTE	Result % v/v	RL % v/v	Result % v/v	RL % v/v	Result % v/v	RL % v/v	Result % v/v	RL % v/v
Hydrogen	2.9 d	0.032	3.6 d	0.032	2.3 d	0.032	0.034 d	0.032
Carbon Dioxide	33	0.032	40	0.032	42	0.032	40	0.032
Oxygen/Argon	2.5	1.6	2.6	1.6	1.9	1.6	ND	1.6
Nitrogen	31	3.2	11	3.2	7.2	3.2	5.5	3.2
Methane	30	0.0032	43	0.0032	46	0.0032	53	0.0032
Carbon Monoxide	0.0061	0.0032	0.0037	0.0032	0.0039	0.0032	ND	0.0032

Results normalized including non-methane hydrocarbons

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Reviewed/Approved By: 
 Mark Johnson
 Operations Manager

Date: 3/25/21

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: 03/18/21
 Matrix: Air
 Reporting Units: % v/v

ASTM D1946

Lab No.:	M031805-41	M031805-42	M031805-43	M031805-44				
Client Sample I.D.:	GEW 56R	GEW 39	GEW 109	GEW 108				
Date/Time Sampled:	3/8/21 11:41	3/8/21 14:05	3/8/21 14:24	3/8/21 14:34				
Date/Time Analyzed:	3/23/21 20:57	3/23/21 21:11	3/23/21 21:26	3/23/21 21:40				
QC Batch No.:	210323GC8A2	210323GC8A2	210323GC8A2	210323GC8A2				
Analyst Initials:	CM	CM	CM	CM				
Dilution Factor:	3.2	3.4	3.4	3.4				
ANALYTE	Result % v/v	RL % v/v	Result % v/v	RL % v/v	Result % v/v	RL % v/v	Result % v/v	RL % v/v
Hydrogen	2.7 d	0.032	ND d	0.034	0.15 d	0.034	13	3.4
Carbon Dioxide	39	0.032	34	0.034	38	0.034	42	0.034
Oxygen/Argon	ND	1.6	2.4	1.7	2.1	1.7	ND	1.7
Nitrogen	13	3.2	29	3.4	12	3.4	3.6	3.4
Methane	44	0.0032	35	0.0034	48	0.0034	40	0.0034
Carbon Monoxide	ND	0.0032	ND	0.0034	ND	0.0034	0.016	0.0034

Results normalized including non-methane hydrocarbons

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Reviewed/Approved By: Mark Johnson
 Mark Johnson
 Operations Manager

Date 3/25/21

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Client: Republic Services
Attn: Mike Lambrich
Project Name: Bridgeton Landfill
Project No.: NA
Date Received: 03/18/21
Matrix: Air
Reporting Units: % v/v

ASTM D1946

Lab No.:	M031805-45	M031805-46	M031805-47	M031805-48				
Client Sample I.D.:	GEW 187	GEW 162	GEW 161	GEW 160				
Date/Time Sampled:	3/8/21 14:44	3/8/21 14:59	3/8/21 15:08	3/8/21 15:18				
Date/Time Analyzed:	3/23/21 21:55	3/23/21 22:09	3/23/21 22:23	3/23/21 22:38				
QC Batch No.:	210323GC8A2	210323GC8A2	210323GC8A2	210323GC8A2				
Analyst Initials:	CM	CM	CM	CM				
Dilution Factor:	3.4	3.4	3.4	3.2				
ANALYTE	Result % v/v	RL % v/v	Result % v/v	RL % v/v	Result % v/v	RL % v/v	Result % v/v	RL % v/v
Hydrogen	1.1 d	0.034	10	3.4	30	3.4	9.1	3.2
Carbon Dioxide	47	0.034	57	0.034	45	0.034	34	0.032
Oxygen/Argon	ND	1.7	1.9	1.7	ND	1.7	ND	1.6
Nitrogen	5.4	3.4	12	3.4	8.3	3.4	22	3.2
Methane	45	0.0034	19	0.0034	15	0.0034	33	0.0032
Carbon Monoxide	ND	0.0034	0.032	0.0034	0.062	0.0034	0.013	0.0032

Results normalized including non-methane hydrocarbons

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RL = Reporting Limit

d = Analyzed by secondary analysis, batch number 210324GC8A2

Reviewed/Approved By: Mark Johnson
 Mark Johnson
 Operations Manager

Date: 3/25/21

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: 03/18/21
 Matrix: Air
 Reporting Units: % v/v

ASTM D1946

Lab No.:	M031805-49				
Client Sample I.D.:	GEW 91				
Date/Time Sampled:	3/15/21 7:59				
Date/Time Analyzed:	3/23/21 22:52				
QC Batch No.:	210323GC8A2				
Analyst Initials:	CM				
Dilution Factor:	3.2				
ANALYTE	Result % v/v	RL % v/v			
Hydrogen	42	3.2			
Carbon Dioxide	48	0.032			
Oxygen/Argon	ND	1.6			
Nitrogen	ND	3.2			
Methane	3.2	0.0032			
Carbon Monoxide	0.035	0.0032			

Results normalized including non-methane hydrocarbons

ND = Not Detected (below RL)

RL = Reporting Limit

d = Analyzed by secondary analysis, batch number 210324GC8A2

Reviewed/Approved By: Mark Johnson
 Operations Manager

Date 3/25/21

The cover letter is an integral part of this analytical report



QC Batch No: 210322GC8A1
Matrix: Air
Reporting Units: % v/v

**ASTM D1946
LABORATORY CONTROL SAMPLE SUMMARY**

Lab No.:	METHOD BLANK		LCS		LCSD						
Date Analyzed:	3/22/21 10:21		3/22/21 9:38		3/22/21 9:52						
Analyst Initials:	CM		CM		CM						
Dilution Factor:	1.0		1.0		1.0		Limits				
ANALYTE	Result	RL	SPIKE	Result		Result		RPD	Low	High	Max.
	% v/v	% v/v	AMT. % v/v	% v/v	% Rec.	% v/v	% Rec.	%	%Rec	%Rec	RPD
Hydrogen	ND	1.0	5.0	5.95	119	5.92	118	0.5	70	130	30
Carbon Dioxide	ND	0.010	10	10.2	102	10.2	101	0.2	70	130	30
Oxygen/Argon	ND	0.50	15	16.1	108	16.2	109	0.5	70	130	30
Nitrogen	ND	1.0	70	72.1	103	72.4	103	0.3	70	130	30
Methane	ND	0.0010	0.10	0.100	100	0.0995	100	0.7	70	130	30
Carbon Monoxide	ND	0.0010	0.10	0.0999	100	0.0999	100	0.0	70	130	30

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

Reviewed/Approved By: Mark Johnson
Mark Johnson
Operations Manager

Date: 3/25/21

The cover letter is an integral part of this analytical report



QC Batch No: 210322GC8A2

Matrix: Air

Reporting Units: % v/v

ASTM D1946
LABORATORY CONTROL SAMPLE SUMMARY

Lab No.:	METHOD BLANK			LCS		LCSD					
Date Analyzed:	3/22/21 16:39			3/22/21 16:53		3/22/21 17:08					
Analyst Initials:	CM			CM		CM					
Dilution Factor:	1.0			1.0		1.0		Limits			
ANALYTE	Result % v/v	RL % v/v	SPIKE AMT. % v/v	Result % v/v	% Rec.	Result % v/v	% Rec.	RPD %	Low %Rec	High %Rec	Max. RPD
Hydrogen	ND	1.0	5.0	5.79	116	5.75	115	0.6	70	130	30
Carbon Dioxide	ND	0.010	10	10.2	102	10.2	102	0.2	70	130	30
Oxygen/Argon	ND	0.50	15	16.0	108	16.0	108	0.1	70	130	30
Nitrogen	ND	1.0	70	71.9	103	72.0	103	0.2	70	130	30
Methane	ND	0.0010	0.10	0.0998	100	0.0990	99	0.8	70	130	30
Carbon Monoxide	ND	0.0010	0.10	0.0984	98	0.0979	98	0.5	70	130	30

ND = Not Detected (below RL)

RL = Reporting Limit

Reviewed/Approved By: _____

Mark Johnson
Mark Johnson
Operations Manager

Date _____

3/25/21

The cover letter is an integral part of this analytical report




QC Batch No: 210323GC8A2
Matrix: Air
Reporting Units: % v/v

**ASTM D1946
LABORATORY CONTROL SAMPLE SUMMARY**

Lab No.:	METHOD BLANK			LCS		LCSD					
Date Analyzed:	3/23/21 19:30			3/23/21 19:59		3/23/21 20:13					
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	5.07	101	5.05	101	0.4	70	130	30
Carbon Dioxide	ND	0.010	10	9.09	91	9.10	91	0.2	70	130	30
Oxygen/Argon	ND	0.50	15	15.6	105	15.6	105	0.1	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	0.103	103	0.103	103	0.3	70	130	30
Carbon Monoxide	ND	0.0010	0.10	0.0965	97	0.0966	97	0.1	70	130	30

ND = Not Detected (below RL)

RL = Reporting Limit

Reviewed/Approved By: 
Mark Johnson
Operations Manager

Date 3/25/21

The cover letter is an integral part of this analytical report



QC Batch No: 210324GC8A1

Matrix: Air

Reporting Units: % v/v

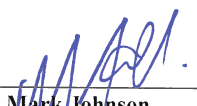
**ASTM D1946 Low Level Hydrogen
LABORATORY CONTROL SAMPLE SUMMARY**

Lab No.:	METHOD BLANK			LCS		LCSD					
Date Analyzed:	3/24/21 12:17			3/24/21 12:08		3/24/21 12:12					
Analyst Initials:	CM			CM		CM					
Dilution Factor:	1.0			1.0		1.0					
								Limits			
ANALYTE	Result % v/v	RL % v/v	SPIKE AMT. % v/v	Result % v/v	% Rec.	Result % v/v	% Rec.	RPD %	Low %Rec	High %Rec	Max. RPD
Hydrogen	ND	0.010	1.0	1.02	102	1.02	102	0.2	70	130	30

ND = Not Detected (below RL)

RL = Reporting Limit

Reviewed/Approved By: _____


 Mark Johnson
 Operations Manager

Date _____

3/25/21

The cover letter is an integral part of this analytical report



QC Batch No: 210324GC8A2
 Matrix: Air
 Reporting Units: % v/v

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

Lab No.:		METHOD BLANK			LCS		LCSD				
Date Analyzed:		3/24/21 14:43			3/24/21 14:33		3/24/21 14:38				
Analyst Initials:		CM			CM		CM				
Dilution Factor:		1.0			1.0		1.0		Limits		
ANALYTE	Result	RL	SPIKE	Result	% Rec.	Result	% Rec.	RPD	Low	High	Max.
	% v/v	% v/v	AMT. % v/v	% v/v		% v/v		%	%Rec	%Rec	RPD
Hydrogen	ND	0.010	1.0	0.845	85	0.842	84	0.4	70	130	30

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

Reviewed/Approved By: Mark Johnson
 Operations Manager

Date: 3/25/21

The cover letter is an integral part of this analytical report





April 5, 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: M040206-01

Enclosed are results for sample(s) received 4/02/21 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 4/02/21.

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		DELIVERABLES	PAGE: 1 OF 1
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 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	ANALYSIS REQUEST							
	Cannister ID	Sample Start	Sample End															
M040206-01	O1425	-20.9	-5	GEW 53	3/31/2021	8:27	C	LFG	NA	X								

AUTHORIZATION TO PERFORM WORK: Dave Penoyer	COMPANY: Republic Services
SAMPLED BY: Andy Guthrie	COMPANY: Hunt Environmental Services
RELINQUISHED BY: <i>Andy Guthrie</i>	DATE/TIME: 3-31-2021
RELINQUISHED BY: <i>FBI EX</i>	DATE/TIME: 4/2/21
RELINQUISHED BY: _____	DATE/TIME: _____
RECEIVED BY: _____	DATE/TIME: _____
RECEIVED BY: <i>Doug</i>	DATE/TIME: 4/2/21 1400
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: 04/01/21
 Matrix: Air
 Reporting Units: % v/v

ASTM D1946

Lab No.:	M040206-01						
Client Sample I.D.:	GEW 53						
Date/Time Sampled:	3/31/21 8:27						
Date/Time Analyzed:	4/2/21 14:16						
QC Batch No.:	210402GC8A1						
Analyst Initials:	CM						
Dilution Factor:	3.0						
ANALYTE	Result % v/v	RL % v/v					
Hydrogen	4.5	3.0					
Carbon Dioxide	42	0.030					
Oxygen/Argon	ND	1.5					
Nitrogen	5.3	3.0					
Methane	47	0.0030					
Carbon Monoxide	0.0059	0.0030					

Results normalized including non-methane hydrocarbons

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

Reviewed/Approved By: 
 Mark Johnson
 Operations Manager

Date 4-2-21

The cover letter is an integral part of this analytical report

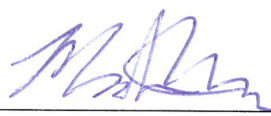


QC Batch No: 210402GC8A1
 Matrix: Air
 Reporting Units: % v/v

**ASTM D1946
 LABORATORY CONTROL SAMPLE SUMMARY**

Lab No.:	METHOD BLANK			LCS		LCSD					
Date Analyzed:	4/2/21 10:10			4/2/21 9:26		4/2/21 9:41					
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	5.46	109	5.45	109	0.1	70	130	30
Carbon Dioxide	ND	0.010	10	10.2	102	10.3	102	0.8	70	130	30
Oxygen/Argon	ND	0.50	15	15.5	104	15.4	104	0.2	70	130	30
Nitrogen	ND	1.0	70	70.2	100	70.3	100	0.1	70	130	30
Methane	ND	0.0010	0.10	0.101	101	0.0996	100	1.4	70	130	30
Carbon Monoxide	ND	0.0010	0.10	0.0977	98	0.0973	97	0.4	70	130	30

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

Reviewed/Approved By: 
 Mark Johnson
 Operations Manager

Date 4-2-21

The cover letter is an integral part of this analytical report



ATTACHMENT D

GAS WELLFIELD DATA

ATTACHMENT D-1

WELLFIELD DATA TABLE

March 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	3/3/2021 10:23:50 AM	51.1	39.2	0.0	9.7	110.0	109.8	22.28	22.44	-0.87	-0.85	-14.14
GEW-002	3/3/2021 10:25:40 AM	50.8	39.9	0.0	9.3	110.0	109.8	23.71	23.71	-0.84	-0.84	-14.75
GEW-002	3/8/2021 9:48:44 AM	50.4	40.0	0.0	9.6	109.7	109.7	14.04	14.04	-0.84	-0.84	-14.26
GEW-002	3/8/2021 9:54:07 AM	50.4	40.6	0.0	9.0	109.7	109.6	15.29	15.29	-0.80	-0.81	-14.50
GEW-002	3/18/2021 7:17:42 AM	53.9	38.6	0.0	7.5	108.3	108.2	27.03	27.19	-0.80	-0.82	-13.95
GEW-002	3/22/2021 9:50:12 AM	51.7	39.5	0.0	8.8	108.7	108.7	17.95	17.95	-0.65	-0.65	-13.83
GEW-002	3/29/2021 9:54:12 AM	51.1	39.0	0.0	9.9	107.8	107.8	18.96	18.53	-0.68	-0.68	-14.26
GEW-002	3/29/2021 9:56:00 AM	50.8	39.5	0.0	9.7	107.8	107.7	15.79	16.02	-0.64	-0.66	-14.50
GEW-003	3/4/2021 8:52:19 AM	54.8	43.1	0.0	2.1	102.1	102.1	9.81	9.03	-0.63	-0.64	-13.71
GEW-003	3/8/2021 9:59:32 AM	54.0	42.9	0.0	3.1	104.7	104.7	8.59	7.06	-0.41	-0.42	-13.77
GEW-003	3/8/2021 10:05:37 AM	54.0	43.5	0.0	2.5	105.5	105.6	10.16	9.33	-0.42	-0.41	-13.71
GEW-003	3/18/2021 7:21:19 AM	54.8	43.1	0.0	2.1	87.2	87.2	16.63	17.52	-0.38	-0.40	-13.71
GEW-003	3/22/2021 9:53:23 AM	54.5	41.9	0.0	3.6	92.9	93.0	5.50	5.50	-0.07	-0.07	-13.71
GEW-003	3/29/2021 9:58:48 AM	54.2	42.8	0.0	3.0	103.5	103.5	3.85	5.45	0.02	0.03	-13.83
GEW-003	3/29/2021 10:01:04 AM	53.7	43.8	0.0	2.5	103.8	103.8	8.61	10.19	0.03	0.04	-13.71
GEW-003	3/30/2021 8:20:14 AM	54.0	43.0	0.0	3.0	102.1	101.6	8.99	9.36	-0.30	-0.28	-13.83
GEW-004	3/3/2021 10:29:36 AM	54.4	40.0	0.0	5.6	107.5	107.5	11.81	12.71	-0.41	-0.41	-14.01
GEW-004	3/8/2021 10:10:19 AM	52.8	40.6	0.0	6.6	107.5	107.6	10.84	10.84	-0.59	-0.60	-14.63
GEW-004	3/8/2021 10:16:43 AM	53.5	40.4	0.0	6.1	108.0	107.7	10.83	10.13	-0.58	-0.57	-14.01
GEW-004	3/18/2021 7:24:02 AM	53.3	41.7	0.0	5.0	104.0	104.3	7.34	9.13	-0.64	-0.64	-14.08
GEW-004	3/22/2021 9:56:03 AM	53.1	41.1	0.0	5.8	106.5	106.2	10.86	11.19	-0.20	-0.19	-14.50
GEW-004	3/29/2021 10:04:09 AM	52.9	41.2	0.0	5.9	107.2	107.1	9.40	10.12	-0.11	-0.11	-14.01
GEW-005	3/3/2021 10:37:55 AM	55.5	40.8	0.0	3.7	73.9	73.9	6.25	6.25	-0.06	-0.06	-14.14
GEW-005	3/8/2021 10:31:36 AM	53.2	38.7	0.0	8.1	74.8	74.8	2.79	2.79	-0.16	-0.16	-13.83
GEW-005	3/8/2021 10:36:54 AM	53.6	38.8	0.0	7.6	74.5	74.5	11.81	11.37	-0.18	-0.17	-13.71
GEW-005	3/18/2021 7:31:49 AM	56.1	41.0	0.0	2.9	63.5	63.5	20.22	19.41	-0.31	-0.31	-13.65
GEW-005	3/22/2021 10:05:39 AM	54.9	40.5	0.0	4.6	74.3	74.5	2.80	3.95	0.16	0.17	-13.71
GEW-005	3/22/2021 10:07:48 AM	55.1	39.7	0.0	5.2	74.5	74.6	3.96	4.84	0.17	0.17	-13.71
GEW-005	3/23/2021 8:52:33 AM	56.6	39.6	0.0	3.8	70.2	70.2	7.66	7.66	0.16	0.16	-13.46
GEW-005	3/23/2021 8:54:31 AM	56.6	39.6	0.0	3.8	70.0	69.9	6.28	5.96	0.13	0.14	-13.40
GEW-005	3/24/2021 9:44:12 AM	54.6	39.9	0.0	5.5	72.0	72.0	6.89	7.43	-0.37	-0.39	-13.71
GEW-005	3/29/2021 10:12:36 AM	54.6	40.3	0.0	5.1	75.2	75.2	6.25	6.85	0.19	0.19	-14.08
GEW-005	3/29/2021 10:14:10 AM	54.9	39.2	0.0	5.9	75.5	75.6	7.90	8.84	0.19	0.19	-13.83
GEW-005	3/30/2021 8:13:22 AM	55.7	39.2	0.0	5.1	73.2	73.2	9.11	9.11	-0.01	-0.01	-13.77
GEW-006	3/3/2021 10:43:45 AM	55.1	39.0	0.0	5.9	80.8	80.9	20.21	19.03	-0.54	-0.54	-14.14
GEW-006	3/9/2021 9:29:01 AM	54.3	39.8	0.0	5.9	81.4	81.2	17.99	18.42	-0.28	-0.26	-14.08
GEW-006	3/9/2021 9:34:50 AM	55.4	39.3	0.0	5.3	81.4	81.2	18.41	20.21	-0.28	-0.29	-13.77
GEW-006	3/18/2021 7:38:08 AM	54.9	39.2	0.0	5.9	78.0	78.2	26.29	25.39	-0.72	-0.69	-13.89
GEW-006	3/22/2021 10:12:34 AM	54.7	39.2	0.0	6.1	79.8	80.0	18.85	17.58	-0.30	-0.30	-14.50
GEW-006	3/29/2021 10:21:08 AM	54.5	39.3	0.0	6.2	80.5	80.5	20.03	20.03	-0.28	-0.26	-14.44
GEW-007	3/3/2021 9:20:02 AM	56.1	40.8	0.0	3.1	85.6	85.6	17.88	17.46	-5.90	-5.90	-13.71

March 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-007	3/9/2021 9:58:50 AM	55.5	40.7	0.0	3.8	87.6	87.5	13.07	11.88	-5.40	-5.40	-13.89
GEW-007	3/9/2021 10:03:38 AM	55.8	41.4	0.0	2.8	87.8	87.7	12.78	12.78	-5.40	-5.40	-14.08
GEW-007	3/17/2021 7:37:26 AM	55.4	41.3	0.0	3.3	84.4	84.2	10.58	11.26	-5.74	-5.74	-13.71
GEW-007	3/22/2021 10:30:44 AM	55.4	41.4	0.0	3.2	87.5	87.2	7.71	9.44	-5.44	-5.44	-14.01
GEW-007	3/29/2021 10:37:33 AM	55.5	40.8	0.0	3.7	87.7	87.5	8.61	8.61	-5.65	-5.65	-14.20
GEW-008	3/3/2021 9:25:56 AM	53.4	42.0	0.0	4.6	109.5	109.5	12.96	13.78	-0.92	-0.94	-14.08
GEW-008	3/9/2021 10:07:56 AM	52.9	42.3	0.0	4.8	110.2	110.2	14.55	14.80	-0.80	-0.79	-13.89
GEW-008	3/9/2021 10:14:15 AM	53.0	43.4	0.0	3.6	110.5	110.5	17.08	17.08	-0.80	-0.81	-14.14
GEW-008	3/17/2021 7:33:20 AM	52.8	43.0	0.0	4.2	108.0	108.5	12.98	12.98	-0.70	-0.70	-13.89
GEW-008	3/22/2021 10:32:17 AM	52.8	42.4	0.0	4.8	109.7	110.0	16.21	15.76	-0.81	-0.79	-13.65
GEW-008	3/29/2021 10:41:05 AM	53.3	42.2	0.0	4.5	110.1	110.0	13.78	13.51	-0.75	-0.74	-14.08
GEW-009	3/3/2021 9:27:58 AM	52.0	42.5	0.0	5.5	119.6	120.2	8.49	7.59	-0.02	-0.01	-13.89
GEW-009	3/9/2021 10:18:39 AM	52.8	43.0	0.0	4.2	121.3	121.0	11.47	11.73	0.01	0.01	-13.95
GEW-009	3/9/2021 10:24:58 AM	53.3	42.6	0.0	4.1	122.1	122.1	10.01	10.06	0.02	0.02	-13.77
GEW-009	3/10/2021 7:44:34 AM	52.4	41.8	0.0	5.8	119.8	119.4	8.90	10.04	-0.05	-0.06	-13.71
GEW-009	3/17/2021 7:28:59 AM	53.4	43.1	0.0	3.5	116.3	116.9	11.73	11.10	-0.02	-0.02	-13.71
GEW-009	3/22/2021 10:35:30 AM	51.8	42.9	0.0	5.3	121.3	120.7	29.73	29.24	0.01	0.02	-14.08
GEW-009	3/22/2021 10:37:09 AM	51.8	42.9	0.0	5.3	121.2	121.1	8.04	6.57	0.02	0.03	-14.14
GEW-009	3/23/2021 8:32:40 AM	51.7	44.0	0.0	4.3	120.0	120.1	11.70	10.39	-0.04	-0.05	-13.95
GEW-009	3/29/2021 10:43:55 AM	51.6	42.5	0.0	5.9	120.5	120.7	5.37	6.00	0.01	0.01	-14.32
GEW-009	3/29/2021 10:45:19 AM	51.6	42.7	0.0	5.7	121.1	121.0	8.48	7.58	-0.02	-0.02	-14.32
GEW-010	3/1/2021 10:37:16 AM	56.2	43.8	0.0	0.0	75.2	75.0	4.20	4.36	-5.07	-5.07	-18.44
GEW-010	3/8/2021 11:29:03 AM	58.4	41.6	0.0	0.0	86.3	86.8	2.79	3.42	-4.95	-4.95	-18.69
GEW-010	3/8/2021 11:34:06 AM	59.0	41.0	0.0	0.0	86.5	86.8	3.42	2.79	-4.73	-4.73	-18.60
GEW-010	3/17/2021 6:57:40 AM	55.5	44.5	0.0	0.0	69.6	70.0	4.24	3.11	-4.79	-4.79	-19.75
GEW-010	3/23/2021 2:32:00 PM	55.9	41.9	0.0	2.2	75.8	75.7	2.87	4.83	-4.62	-4.62	-19.95
GEW-010	3/31/2021 2:35:46 PM	56.5	42.3	0.0	1.2	77.1	78.2	3.48	3.06	-4.83	-4.84	-19.03
GEW-013A	3/3/2021 2:04:40 PM	9.3	66.6	0.0	24.1	194.3	194.3	13.10	11.44	-1.50	-1.49	-19.92
GEW-013A	3/3/2021 2:05:49 PM	9.0	65.9	0.0	25.1	194.3	194.3	12.70	11.07	-1.65	-1.66	-19.53
GEW-013A	3/17/2021 8:12:10 AM	11.5	65.5	0.0	23.0	187.1	187.1	11.31	9.57	-3.38	-3.38	-19.58
GEW-013A	3/17/2021 8:13:03 AM	11.3	64.2	0.0	24.5	187.5	187.2	10.84	10.27	-3.47	-3.45	-20.04
GEW-015	3/4/2021 9:58:04 AM	31.2	53.2	0.1	15.5	99.6	99.6	2.73	5.46	-4.23	-4.22	-18.27
GEW-015	3/24/2021 9:15:39 AM	27.4	51.6	0.0	21.0	91.7	91.8	5.30	5.42	-4.54	-4.54	-19.66
GEW-016R	3/3/2021 10:27:09 AM	13.2	56.6	0.0	30.2	137.1	137.0	8.28	7.94	-1.59	-1.58	-18.56
GEW-016R	3/3/2021 10:27:54 AM	12.8	58.2	0.0	29.0	136.8	137.1	7.81	7.94	-1.60	-1.60	-18.48
GEW-016R	3/17/2021 8:22:53 AM	11.2	59.0	0.0	29.8	119.7	119.9	7.67	7.35	-1.39	-1.38	-19.28
GEW-018B	3/10/2021 9:19:52 AM	4.4	55.9	0.4	39.3	193.6	193.6	48.34	48.34	-1.78	-1.78	-18.31
GEW-018B	3/10/2021 9:23:22 AM	4.2	56.2	0.3	39.3	192.3	191.6	26.17	26.50	-0.61	-0.61	-18.39
GEW-018B	3/22/2021 9:54:34 AM	6.5	53.8	0.6	39.1	173.6	172.1	28.30	28.37	-3.81	-3.81	-19.53
GEW-018B	3/22/2021 9:55:52 AM	6.6	53.7	0.5	39.2	173.7	172.6	27.16	26.88	-3.83	-3.83	-19.70
GEW-019A	3/5/2021 2:40:52 PM	2.4	62.0	3.2	32.4	60.7	60.7	3.90	5.12	-14.85	-14.85	-19.09

March 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-019A	3/22/2021 2:43:33 PM	22.3	56.7	1.9	19.1	78.4	78.3	2.53	5.54	-13.97	-13.97	-19.07
GEW-019A	3/26/2021 2:28:30 PM	13.4	50.0	3.9	32.7	80.3	80.5	2.99	3.58	-15.01	-15.01	-18.79
GEW-039	3/1/2021 10:44:07 AM	23.9	33.6	3.1	39.4	96.0	96.2	4.71	6.67	-0.06	-0.06	-18.86
GEW-039	3/8/2021 2:02:31 PM	43.9	36.8	0.6	18.7	101.8	101.6	8.12	8.13	-0.05	-0.05	-18.82
GEW-039	3/8/2021 2:08:56 PM	42.9	37.1	0.5	19.5	101.8	101.8	8.12	8.56	-0.05	-0.04	-18.94
GEW-039	3/17/2021 7:05:15 AM	45.6	41.4	0.2	12.8	94.9	95.3	13.90	12.78	-0.03	-0.03	-19.58
GEW-039	3/23/2021 2:34:57 PM	44.8	39.6	0.1	15.5	95.8	95.8	9.09	9.88	-0.04	-0.03	-20.13
GEW-039	3/31/2021 2:41:51 PM	26.6	33.2	1.4	38.8	96.2	96.3	6.67	6.09	-0.02	-0.03	-18.94
GEW-040	3/3/2021 9:49:19 AM	48.6	35.4	0.0	16.0	56.5	56.5	7.52	6.35	-0.38	-0.38	-13.71
GEW-040	3/3/2021 9:51:27 AM	49.0	34.7	0.0	16.3	56.8	56.8	7.52	7.52	-0.37	-0.37	-13.65
GEW-040	3/9/2021 11:05:54 AM	49.5	35.5	0.0	15.0	73.9	73.9	7.90	8.84	-0.40	-0.39	-13.59
GEW-040	3/9/2021 11:10:40 AM	50.2	34.3	0.0	15.5	74.7	74.7	6.84	6.24	-0.41	-0.40	-13.65
GEW-040	3/18/2021 6:45:00 AM	61.3	38.3	0.0	0.4	51.3	50.5	17.84	17.98	0.01	0.00	-13.28
GEW-040	3/18/2021 6:46:37 AM	62.2	36.1	0.0	1.7	49.1	49.0	21.29	21.29	-0.17	-0.18	-13.53
GEW-040	3/22/2021 10:57:19 AM	51.3	36.2	0.0	12.5	68.1	68.1	5.62	5.62	-0.25	-0.26	-13.71
GEW-040	3/22/2021 10:58:53 AM	52.0	34.9	0.0	13.1	68.2	68.2	6.29	5.62	-0.20	-0.20	-13.71
GEW-040	3/29/2021 11:07:04 AM	48.7	35.0	0.0	16.3	66.6	66.6	6.29	6.29	-0.29	-0.29	-13.77
GEW-040	3/29/2021 11:08:34 AM	49.0	34.4	0.0	16.6	67.1	67.2	5.63	5.63	-0.16	-0.16	-13.71
GEW-041R	3/3/2021 9:54:53 AM	54.2	35.4	0.0	10.4	70.4	70.7	9.31	8.87	-0.05	-0.06	-13.65
GEW-041R	3/9/2021 11:14:36 AM	51.6	35.2	0.0	13.2	78.5	78.5	10.04	10.04	0.00	0.01	-13.59
GEW-041R	3/9/2021 11:20:03 AM	51.9	35.6	0.0	12.5	80.0	80.0	15.30	16.24	-0.05	-0.06	-13.16
GEW-041R	3/18/2021 6:50:15 AM	55.3	35.2	0.0	9.5	53.1	53.1	27.85	27.34	-0.10	-0.10	-13.34
GEW-041R	3/22/2021 11:02:38 AM	52.1	35.4	0.0	12.5	73.9	74.0	4.84	3.96	-0.01	-0.01	-13.71
GEW-041R	3/29/2021 11:12:11 AM	50.8	35.0	0.0	14.2	74.3	74.6	5.59	4.84	-0.03	-0.03	-13.77
GEW-042R	3/3/2021 9:58:45 AM	55.7	38.7	0.0	5.6	94.0	93.4	3.87	3.87	-1.72	-1.72	-13.46
GEW-042R	3/8/2021 11:36:29 AM	55.7	40.0	0.0	4.3	95.6	95.8	6.10	6.69	-1.84	-1.85	-13.65
GEW-042R	3/8/2021 11:41:54 AM	56.3	38.9	0.0	4.8	96.0	95.0	9.05	8.19	-1.81	-1.80	-13.53
GEW-042R	3/18/2021 6:53:17 AM	58.3	38.0	0.0	3.7	90.8	90.5	30.56	30.81	-1.87	-1.88	-13.34
GEW-042R	3/22/2021 11:04:47 AM	54.8	38.7	0.0	6.5	95.0	95.1	3.86	4.73	-1.78	-1.78	-13.71
GEW-042R	3/29/2021 11:15:18 AM	53.6	38.2	0.0	8.2	95.8	95.8	2.73	2.73	-1.83	-1.82	-13.59
GEW-043R	3/3/2021 10:02:19 AM	54.6	40.4	0.0	5.0	113.2	113.0	18.83	17.64	-1.44	-1.42	-13.53
GEW-043R	3/8/2021 11:24:53 AM	54.8	40.9	0.0	4.3	113.2	113.2	6.59	7.12	-1.33	-1.33	-13.71
GEW-043R	3/8/2021 11:31:29 AM	55.1	41.2	0.0	3.7	113.2	113.2	17.02	17.44	-1.28	-1.29	-14.26
GEW-043R	3/18/2021 6:56:51 AM	56.2	39.9	0.0	3.9	112.5	112.3	23.04	23.50	-1.60	-1.59	-13.77
GEW-043R	3/22/2021 11:07:59 AM	54.0	40.9	0.0	5.1	113.0	113.0	16.38	17.45	-1.17	-1.16	-13.83
GEW-043R	3/29/2021 11:18:17 AM	54.1	40.3	0.0	5.6	113.2	113.2	17.23	15.69	-1.20	-1.20	-14.32
GEW-044	3/3/2021 10:05:32 AM	47.4	35.5	0.0	17.1	68.6	68.6	0.91	0.74	-0.09	-0.09	-13.71
GEW-044	3/3/2021 10:07:18 AM	47.5	35.1	0.0	17.4	69.2	69.2	1.39	0.74	-0.04	-0.04	-13.65
GEW-044	3/8/2021 11:11:39 AM	42.6	34.6	0.0	22.8	75.2	75.3	1.17	0.74	-0.03	-0.03	-13.71
GEW-044	3/8/2021 11:17:40 AM	43.1	34.5	0.0	22.4	75.9	76.0	2.72	2.83	-0.01	-0.01	-13.71
GEW-044	3/18/2021 7:00:32 AM	55.5	37.8	0.0	6.7	48.5	48.5	13.22	11.92	-0.19	-0.18	-13.46

March 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-044	3/22/2021 11:11:06 AM	51.6	39.4	0.0	9.0	73.8	73.8	1.39	1.28	0.17	0.18	-13.71
GEW-044	3/22/2021 11:12:47 AM	51.9	38.3	0.0	9.8	72.9	72.8	1.39	0.91	0.13	0.14	-13.59
GEW-044	3/23/2021 9:08:55 AM	50.6	38.4	0.0	11.0	56.5	56.5	0.75	0.53	0.04	0.04	-13.46
GEW-044	3/23/2021 9:10:24 AM	50.9	37.8	0.0	11.3	57.7	57.7	0.75	0.53	-0.07	-0.06	-13.53
GEW-044	3/29/2021 11:21:19 AM	45.4	35.7	0.0	18.9	76.4	76.4	0.74	0.74	-0.02	-0.02	-13.71
GEW-045R	3/3/2021 10:14:11 AM	52.1	39.5	0.0	8.4	88.7	88.9	6.68	6.10	-4.64	-4.64	-13.71
GEW-045R	3/8/2021 9:35:54 AM	51.7	38.4	0.0	9.9	88.9	88.9	6.09	6.09	-4.98	-4.98	-13.77
GEW-045R	3/8/2021 9:43:07 AM	52.8	38.3	0.0	8.9	89.1	89.1	7.21	7.18	-4.89	-4.89	-13.65
GEW-045R	3/18/2021 7:07:21 AM	52.9	39.5	0.0	7.6	83.7	83.1	26.88	26.88	-4.76	-4.76	-13.34
GEW-045R	3/22/2021 11:21:15 AM	51.8	38.9	0.0	9.3	88.4	88.3	8.17	9.04	-5.27	-5.27	-13.71
GEW-045R	3/22/2021 11:23:00 AM	52.1	38.0	0.0	9.9	88.6	88.6	7.71	8.18	-4.77	-4.77	-13.71
GEW-045R	3/29/2021 11:29:41 AM	51.7	38.3	0.0	10.0	90.1	90.1	5.45	4.72	-4.70	-4.70	-13.77
GEW-045R	3/29/2021 11:31:02 AM	51.6	38.8	0.0	9.6	90.3	90.3	5.45	5.45	-4.72	-4.72	-13.83
GEW-046R	3/3/2021 10:17:09 AM	53.7	40.2	0.0	6.1	93.6	93.6	12.88	11.97	-0.16	-0.16	-13.65
GEW-046R	3/8/2021 9:24:25 AM	52.7	40.6	0.0	6.7	89.8	89.8	8.71	8.71	-0.17	-0.17	-13.71
GEW-046R	3/8/2021 9:30:01 AM	52.7	41.1	0.0	6.2	90.6	90.7	9.54	8.71	-0.21	-0.22	-13.71
GEW-046R	3/18/2021 7:10:49 AM	53.9	41.4	0.0	4.7	79.6	79.7	8.01	7.51	-0.14	-0.14	-13.71
GEW-046R	3/22/2021 11:25:58 AM	53.4	41.2	0.0	5.4	91.2	91.2	2.13	0.62	0.10	0.12	-13.65
GEW-046R	3/22/2021 11:27:25 AM	53.1	42.2	0.0	4.7	92.2	92.4	3.89	3.89	0.07	0.07	-13.71
GEW-046R	3/23/2021 9:04:32 AM	53.4	42.1	0.0	4.5	88.4	88.0	6.17	5.52	-0.03	-0.03	-13.46
GEW-046R	3/29/2021 11:33:49 AM	53.1	40.7	0.0	6.2	91.8	91.9	6.74	5.50	0.15	0.15	-13.83
GEW-046R	3/29/2021 11:35:27 AM	52.9	41.2	0.0	5.9	92.5	92.4	8.25	8.25	0.13	0.13	-13.83
GEW-046R	3/30/2021 8:23:05 AM	52.7	41.3	0.0	6.0	90.6	90.7	6.74	7.79	-0.18	-0.18	-13.77
GEW-047R	3/3/2021 10:34:51 AM	52.3	42.1	0.0	5.6	88.2	88.4	6.76	6.17	-0.13	-0.13	-13.65
GEW-047R	3/8/2021 10:20:42 AM	51.4	39.7	0.0	8.9	88.6	88.4	7.80	7.30	-0.29	-0.28	-13.65
GEW-047R	3/8/2021 10:25:58 AM	51.9	39.4	0.0	8.7	88.9	88.9	8.72	6.75	-0.21	-0.22	-13.71
GEW-047R	3/18/2021 7:28:47 AM	52.7	42.9	0.0	4.4	77.3	77.3	15.59	15.59	-0.26	-0.26	-13.65
GEW-047R	3/22/2021 10:00:40 AM	51.7	42.5	0.0	5.8	87.1	87.3	6.77	7.31	0.12	0.11	-13.71
GEW-047R	3/22/2021 10:02:15 AM	52.1	41.7	0.0	6.2	87.9	87.9	7.81	8.29	0.09	0.09	-13.65
GEW-047R	3/23/2021 8:57:54 AM	54.0	41.1	0.0	4.9	84.7	85.0	4.80	6.19	0.09	0.10	-13.40
GEW-047R	3/23/2021 9:00:30 AM	53.3	42.5	0.0	4.2	84.4	84.2	17.08	18.38	0.05	0.06	-13.71
GEW-047R	3/24/2021 9:41:34 AM	51.6	39.9	0.0	8.5	84.0	84.1	16.39	16.15	-0.48	-0.48	-13.71
GEW-047R	3/29/2021 10:08:35 AM	51.7	41.9	0.0	6.4	89.8	89.8	6.75	7.29	0.13	0.12	-13.77
GEW-047R	3/29/2021 10:10:01 AM	51.9	41.2	0.0	6.9	90.3	90.3	8.27	7.80	0.12	0.12	-13.83
GEW-047R	3/30/2021 8:16:26 AM	52.1	40.3	0.0	7.6	87.7	87.5	2.76	3.90	-0.18	-0.18	-13.77
GEW-048	3/3/2021 10:40:28 AM	55.7	39.7	0.0	4.6	92.4	92.5	15.78	14.53	-0.47	-0.48	-14.38
GEW-048	3/8/2021 10:43:24 AM	54.8	39.3	0.0	5.9	92.0	92.2	11.97	11.97	-0.58	-0.58	-14.08
GEW-048	3/8/2021 10:49:04 AM	54.6	40.6	0.0	4.8	92.1	91.9	12.59	12.59	-0.56	-0.56	-14.14
GEW-048	3/18/2021 7:34:49 AM	55.6	39.3	0.0	5.1	89.1	89.3	21.20	20.78	-0.69	-0.68	-14.32
GEW-048	3/22/2021 10:09:33 AM	54.2	39.5	0.0	6.3	91.9	91.9	12.30	11.34	-0.24	-0.22	-13.59
GEW-048	3/29/2021 10:16:36 AM	54.3	39.3	0.0	6.4	92.4	92.4	11.33	11.98	-0.21	-0.20	-14.20

March 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-049	3/3/2021 10:10:31 AM	53.7	39.1	0.0	7.2	71.4	71.4	19.02	18.60	-0.01	-0.01	-13.65
GEW-049	3/8/2021 10:58:47 AM	47.4	36.3	0.0	16.3	75.5	75.3	6.25	4.84	0.02	0.02	-12.97
GEW-049	3/8/2021 11:05:35 AM	47.4	37.4	0.0	15.2	75.5	75.5	3.95	3.95	-0.02	-0.03	-13.71
GEW-049	3/18/2021 7:03:40 AM	56.7	40.6	0.0	2.7	60.7	60.7	13.37	13.37	-0.15	-0.15	-13.34
GEW-049	3/22/2021 11:15:53 AM	53.9	40.4	0.0	5.7	77.7	77.7	4.83	3.94	0.21	0.21	-13.65
GEW-049	3/22/2021 11:17:24 AM	53.7	41.1	0.0	5.2	78.0	78.0	3.94	4.83	0.24	0.23	-13.65
GEW-049	3/23/2021 9:13:55 AM	55.5	40.7	0.0	3.8	67.9	67.7	3.98	3.98	0.14	0.13	-13.40
GEW-049	3/23/2021 9:15:22 AM	55.0	41.3	0.0	3.7	67.9	68.0	9.75	8.44	0.13	0.14	-13.40
GEW-049	3/24/2021 9:38:50 AM	52.1	39.3	0.0	8.6	69.8	70.0	2.88	2.88	-0.22	-0.23	-13.59
GEW-049	3/29/2021 11:24:35 AM	50.8	38.6	0.0	10.6	78.1	78.0	3.94	3.94	0.21	0.22	-13.83
GEW-049	3/29/2021 11:26:29 AM	50.6	39.4	0.0	10.0	78.2	78.3	2.79	2.79	0.22	0.21	-13.83
GEW-049	3/30/2021 8:09:35 AM	52.5	39.3	0.0	8.2	72.5	72.7	4.85	4.85	-0.06	-0.07	-13.71
GEW-050	3/3/2021 9:13:11 AM	53.8	37.3	0.0	8.9	90.8	90.8	11.01	12.31	-0.24	-0.25	-5.81
GEW-050	3/9/2021 9:38:16 AM	52.6	38.5	0.0	8.9	93.4	93.3	10.28	10.28	0.04	0.04	-5.39
GEW-050	3/9/2021 9:43:45 AM	52.8	39.3	0.0	7.9	92.6	92.4	10.65	10.65	0.02	0.02	-5.32
GEW-050	3/10/2021 7:55:42 AM	53.6	39.0	0.0	7.4	88.4	88.4	8.73	8.73	-0.10	-0.09	-4.96
GEW-050	3/11/2021 8:24:54 AM	50.5	38.3	0.0	11.2	88.2	88.3	5.51	6.16	-0.48	-0.48	-5.45
GEW-050	3/11/2021 8:26:42 AM	50.7	37.7	0.0	11.6	88.4	88.4	5.51	6.16	-0.47	-0.47	-4.53
GEW-050	3/17/2021 7:47:18 AM	54.6	40.9	0.0	4.5	88.6	88.6	15.37	15.86	0.26	0.24	-4.35
GEW-050	3/17/2021 7:49:13 AM	54.9	40.3	0.0	4.8	89.1	89.2	16.85	17.51	0.22	0.22	-6.24
GEW-050	3/18/2021 6:25:22 AM	56.7	38.7	0.0	4.6	88.0	88.2	12.94	12.94	-0.19	-0.18	-5.63
GEW-050	3/22/2021 10:19:39 AM	53.9	38.5	0.0	7.6	93.6	93.5	10.28	6.73	0.03	0.03	-7.34
GEW-050	3/22/2021 10:21:20 AM	53.4	39.2	0.0	7.4	92.7	92.7	9.53	7.78	0.07	0.08	-4.96
GEW-050	3/23/2021 8:48:25 AM	54.5	39.5	0.0	6.0	90.8	90.8	10.66	10.66	-0.05	-0.05	-4.53
GEW-050	3/29/2021 10:27:57 AM	53.3	38.3	0.0	8.4	93.9	93.9	8.69	7.27	0.07	0.08	-4.41
GEW-050	3/29/2021 10:29:42 AM	53.0	39.2	0.0	7.8	93.0	92.9	3.89	4.76	0.12	0.13	-5.63
GEW-050	3/30/2021 8:06:20 AM	52.8	38.5	0.0	8.7	91.6	91.5	9.92	9.53	-0.21	-0.21	-5.39
GEW-051	3/3/2021 9:32:35 AM	54.3	42.5	0.0	3.2	97.4	97.7	9.48	9.08	-0.13	-0.13	-11.44
GEW-051	3/9/2021 10:32:25 AM	54.3	42.4	0.0	3.3	102.2	102.1	9.84	9.84	0.30	0.30	-11.75
GEW-051	3/9/2021 10:38:21 AM	54.2	43.8	0.0	2.0	102.1	102.1	7.22	7.72	0.28	0.28	-11.81
GEW-051	3/10/2021 7:59:01 AM	54.4	42.3	0.0	3.3	97.9	97.9	8.65	6.70	-0.01	-0.01	-12.36
GEW-051	3/17/2021 6:54:59 AM	54.0	43.1	0.0	2.9	81.6	81.7	5.56	7.20	0.76	0.76	-13.65
GEW-051	3/17/2021 6:56:32 AM	54.1	43.1	0.0	2.8	81.0	81.3	10.42	10.78	0.72	0.71	-13.04
GEW-051	3/18/2021 6:33:50 AM	55.2	41.0	0.0	3.8	94.1	94.4	3.88	2.74	-0.22	-0.20	-13.59
GEW-051	3/22/2021 10:41:22 AM	54.0	43.1	0.0	2.9	104.1	103.9	8.61	7.70	0.20	0.21	-13.71
GEW-051	3/22/2021 10:42:59 AM	54.0	43.0	0.0	3.0	105.5	105.7	8.16	7.69	0.16	0.16	-13.71
GEW-051	3/23/2021 8:36:33 AM	54.3	42.5	0.0	3.2	105.9	105.6	13.03	10.52	0.02	0.02	-13.40
GEW-051	3/23/2021 8:38:10 AM	54.2	42.9	0.0	2.9	107.8	108.0	7.67	6.06	-0.01	-0.01	-13.77
GEW-051	3/29/2021 10:49:40 AM	54.2	42.6	0.0	3.2	111.0	111.0	8.11	8.11	0.03	0.03	-11.63
GEW-051	3/29/2021 10:51:03 AM	54.5	42.5	0.0	3.0	112.3	112.5	9.74	10.11	-0.01	-0.01	-13.59
GEW-052	3/3/2021 9:16:43 AM	48.5	36.8	0.0	14.7	97.4	97.4	10.24	7.74	-0.02	-0.02	-13.71

March 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-052	3/9/2021 9:48:09 AM	50.2	38.7	0.0	11.1	100.7	100.4	5.46	6.10	0.08	0.08	-13.71
GEW-052	3/9/2021 9:55:04 AM	50.1	39.5	0.0	10.4	100.4	100.4	7.72	7.72	0.08	0.08	-13.83
GEW-052	3/10/2021 7:50:08 AM	49.8	39.2	0.0	11.0	97.4	97.4	6.12	7.24	0.02	0.02	-13.71
GEW-052	3/10/2021 7:52:59 AM	49.8	39.3	0.0	10.9	98.2	98.2	3.18	3.82	0.03	0.03	-13.71
GEW-052	3/12/2021 8:22:02 AM	43.7	34.8	0.0	21.5	92.9	92.5	34.02	34.14	-0.14	-0.14	-13.44
GEW-052	3/12/2021 8:24:25 AM	43.8	35.0	0.0	21.2	91.1	90.8	41.01	41.21	-0.11	-0.11	-13.52
GEW-052	3/17/2021 7:41:53 AM	55.2	41.9	0.0	2.9	87.5	88.0	8.29	7.31	0.18	0.19	-13.59
GEW-052	3/17/2021 7:43:17 AM	55.0	42.0	0.0	3.0	88.9	89.1	10.33	10.33	0.19	0.19	-13.46
GEW-052	3/18/2021 6:30:38 AM	55.2	39.9	0.0	4.9	90.2	90.3	10.67	9.93	-0.12	-0.13	-13.77
GEW-052	3/22/2021 10:23:57 AM	51.7	39.5	0.0	8.8	97.1	97.0	7.25	6.12	0.11	0.11	-13.95
GEW-052	3/22/2021 10:25:36 AM	51.5	39.8	0.0	8.7	97.9	97.6	17.80	17.05	0.10	0.11	-13.71
GEW-052	3/23/2021 8:43:43 AM	52.8	41.3	0.0	5.9	96.3	96.3	13.77	13.69	0.04	0.05	-13.83
GEW-052	3/23/2021 8:45:16 AM	52.8	41.2	0.0	6.0	96.5	96.5	6.13	6.13	0.06	0.06	-13.71
GEW-052	3/24/2021 9:33:26 AM	46.8	38.5	0.0	14.7	96.3	96.4	6.74	7.77	-0.09	-0.10	-13.77
GEW-052	3/24/2021 9:35:14 AM	46.9	38.0	0.0	15.1	96.2	96.0	2.81	3.92	-0.08	-0.08	-13.71
GEW-052	3/29/2021 10:32:59 AM	51.4	39.0	0.0	9.6	97.9	98.3	8.23	8.23	0.15	0.15	-13.95
GEW-052	3/29/2021 10:34:23 AM	51.1	39.7	0.0	9.2	98.7	98.7	6.70	7.74	0.15	0.15	-13.95
GEW-052	3/30/2021 8:01:54 AM	48.8	38.7	0.0	12.5	97.0	97.3	8.44	7.40	0.06	0.06	-13.71
GEW-052	3/30/2021 8:03:27 AM	49.0	38.2	0.0	12.8	97.6	97.4	7.24	7.24	0.01	0.01	-13.59
GEW-052	3/31/2021 11:27:41 AM	45.2	36.0	0.0	18.8	92.3	92.2	8.24	8.69	-0.28	-0.27	-13.77
GEW-052	3/31/2021 11:29:36 AM	45.3	35.6	0.0	19.1	92.0	92.0	7.75	8.76	-0.22	-0.23	-13.71
GEW-053	3/1/2021 7:50:12 AM	47.6	41.7	0.0	10.7	78.4	78.9	6.66	7.48	-0.41	-0.43	-13.52
GEW-053	3/2/2021 8:15:00 AM	46.9	43.8	0.0	9.3	109.7	109.7	2.70	1.91	0.07	0.02	-13.48
GEW-053	3/2/2021 8:17:25 AM	46.7	43.0	0.0	10.3	109.5	110.0	1.81	1.71	0.03	0.02	-13.48
GEW-053	3/3/2021 8:10:46 AM	46.5	43.0	0.0	10.5	109.7	109.7	3.82	2.63	-0.05	-0.03	-13.82
GEW-053	3/4/2021 8:11:29 AM	45.7	44.7	0.0	9.6	108.5	109.0	6.05	2.70	-0.16	-0.12	-13.48
GEW-053	3/5/2021 8:01:42 AM	47.3	45.4	0.0	7.3	103.8	102.3	3.27	4.51	-0.12	-0.12	-13.40
GEW-053	3/6/2021 8:18:58 AM	47.6	43.2	0.0	9.2	112.5	113.0	7.64	7.64	-0.03	-0.02	-13.71
GEW-053	3/7/2021 7:20:38 AM	47.7	43.5	0.0	8.8	108.2	108.5	9.39	7.66	-0.25	-0.26	-13.65
GEW-053	3/8/2021 8:39:54 AM	47.2	44.3	0.0	8.5	105.6	104.8	10.52	10.52	-0.06	-0.06	-13.59
GEW-053	3/9/2021 9:21:17 AM	47.4	44.5	0.0	8.1	108.8	108.7	9.78	9.78	0.27	0.27	-13.71
GEW-053	3/10/2021 8:08:25 AM	47.1	43.8	0.0	9.1	109.9	109.7	5.42	4.69	0.09	0.08	-13.65
GEW-053	3/11/2021 8:20:23 AM	47.5	45.5	0.0	7.0	109.0	108.5	8.98	7.66	-0.26	-0.25	-13.34
GEW-053	3/12/2021 8:15:38 AM	48.8	43.4	0.0	7.8	103.7	103.7	16.41	15.91	-0.19	-0.20	-13.23
GEW-053	3/13/2021 7:09:30 AM	48.3	43.2	0.0	8.5	107.2	107.4	9.73	9.54	-0.07	-0.07	-13.71
GEW-053	3/14/2021 7:30:59 AM	47.9	42.1	0.0	10.0	109.5	109.0	7.19	7.19	0.11	0.10	-13.65
GEW-053	3/15/2021 7:49:31 AM	47.6	44.6	0.0	7.8	104.8	104.8	10.54	11.22	0.12	0.11	-13.22
GEW-053	3/16/2021 7:46:55 AM	47.4	45.3	0.0	7.3	106.0	106.0	15.15	13.10	-0.26	-0.25	-13.69
GEW-053	3/16/2021 7:53:33 AM	47.4	45.9	0.0	6.7	105.9	105.7	9.54	9.70	-0.30	-0.30	-13.44
GEW-053	3/17/2021 6:48:43 AM	47.5	43.9	0.0	8.6	87.9	88.2	8.51	7.45	0.87	0.86	-13.65
GEW-053	3/18/2021 9:05:53 AM	47.2	44.6	0.0	8.2	102.5	104.0	7.35	8.80	-0.20	-0.22	-13.18

March 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	3/18/2021 1:40:49 PM	44.9	43.4	0.0	11.7	69.9	70.7	6.88	4.10	-0.57	-0.58	-13.14
GEW-053	3/18/2021 1:44:02 PM	45.7	43.4	0.0	10.9	72.3	73.2	6.28	6.28	-0.50	-0.50	-13.14
GEW-053	3/19/2021 7:57:49 AM	46.7	45.8	0.0	7.5	57.3	57.2	9.41	7.51	-0.48	-0.49	-13.71
GEW-053	3/20/2021 8:00:34 AM	47.4	44.3	0.0	8.3	82.4	82.0	11.77	11.10	-0.14	-0.13	-13.53
GEW-053	3/21/2021 7:39:39 AM	46.5	44.8	0.0	8.7	83.1	82.8	13.89	15.52	0.06	0.05	-13.18
GEW-053	3/21/2021 7:44:03 AM	46.6	43.6	0.0	9.8	84.0	84.9	22.23	21.55	-0.01	-0.01	-13.18
GEW-053	3/22/2021 8:27:32 AM	47.8	45.6	0.0	6.6	98.7	98.7	4.74	6.11	0.04	0.04	-13.40
GEW-053	3/22/2021 8:45:08 AM	47.8	44.1	0.0	8.1	103.6	104.0	4.30	4.22	-0.01	-0.01	-13.65
GEW-053	3/23/2021 8:16:59 AM	47.4	44.5	0.0	8.1	108.5	108.7	7.23	6.97	0.28	0.27	-13.71
GEW-053	3/23/2021 8:25:20 AM	47.1	44.7	0.0	8.2	106.7	106.0	5.67	5.64	0.23	0.23	-13.83
GEW-053	3/24/2021 9:09:31 AM	47.4	45.5	0.0	7.1	101.6	101.6	6.13	5.49	-0.18	-0.17	-13.71
GEW-053	3/24/2021 9:15:31 AM	47.1	45.7	0.0	7.2	107.9	108.2	3.78	3.88	-0.25	-0.25	-13.65
GEW-053	3/25/2021 8:13:57 AM	48.2	44.3	0.0	7.5	115.3	114.8	8.82	9.02	0.08	0.09	-13.28
GEW-053	3/25/2021 8:28:47 AM	47.8	44.7	0.0	7.5	113.0	112.2	7.24	7.19	-0.16	-0.17	-13.28
GEW-053	3/26/2021 8:41:33 AM	48.5	45.0	0.0	6.5	111.2	111.5	3.82	6.04	-0.41	-0.40	-13.59
GEW-053	3/26/2021 8:51:23 AM	48.6	44.7	0.0	6.7	114.8	114.8	0.60	1.48	-0.45	-0.45	-13.53
GEW-053	3/27/2021 7:10:44 AM	48.5	43.6	0.0	7.9	115.3	115.5	7.86	7.67	0.20	0.20	-13.22
GEW-053	3/27/2021 7:22:08 AM	48.4	43.7	0.0	7.9	120.7	121.8	4.69	4.80	0.14	0.13	-13.46
GEW-053	3/28/2021 7:37:02 AM	49.8	43.1	0.0	7.1	119.2	119.4	9.67	10.38	-0.70	-0.69	-13.46
GEW-053	3/29/2021 9:04:51 AM	48.5	43.4	0.0	8.1	122.9	122.8	8.88	9.65	0.07	0.06	-13.77
GEW-053	3/29/2021 9:13:10 AM	48.4	43.6	0.0	8.0	128.3	128.0	5.33	5.09	0.02	0.02	-13.89
GEW-053	3/30/2021 7:30:11 AM	49.2	42.9	0.0	7.9	129.2	128.9	6.35	6.27	-0.31	-0.31	-13.77
GEW-053	3/30/2021 7:45:42 AM	49.0	43.1	0.0	7.9	133.5	133.5	7.38	6.99	-0.22	-0.22	-13.40
GEW-053	3/30/2021 7:56:43 AM	49.1	43.1	0.0	7.8	132.3	132.6	6.08	6.05	-0.24	-0.23	-13.71
GEW-053	3/31/2021 8:19:02 AM	50.7	42.5	0.0	6.8	132.9	133.5	6.83	6.60	-0.73	-0.74	-13.77
GEW-053	3/31/2021 8:23:29 AM	50.2	42.9	0.0	6.9	132.6	132.0	6.44	6.76	-0.75	-0.74	-13.77
GEW-053	3/31/2021 8:33:09 AM	50.3	43.6	0.0	6.1	133.5	133.2	2.65	3.75	-0.72	-0.71	-14.01
GEW-054	3/3/2021 9:39:48 AM	53.7	42.1	0.0	4.2	144.2	144.2	38.97	36.17	-3.97	-3.98	-14.50
GEW-054	3/3/2021 9:42:09 AM	53.6	42.3	0.0	4.1	144.2	144.2	40.47	40.54	-3.93	-3.93	-14.81
GEW-054	3/9/2021 10:43:50 AM	52.7	43.4	0.0	3.9	143.5	143.3	30.63	29.50	-3.64	-3.62	-14.14
GEW-054	3/9/2021 10:50:22 AM	53.0	43.3	0.0	3.7	143.5	143.5	33.39	33.55	-3.66	-3.65	-13.28
GEW-054	3/17/2021 7:06:48 AM	53.0	43.0	0.0	4.0	132.0	131.9	39.05	41.63	-3.65	-3.65	-14.69
GEW-054	3/17/2021 7:08:11 AM	52.9	43.1	0.0	4.0	131.4	130.0	45.00	41.76	-3.70	-3.70	-13.28
GEW-054	3/22/2021 10:48:20 AM	53.2	42.9	0.0	3.9	143.2	143.2	43.13	41.45	-4.03	-4.00	-14.32
GEW-054	3/22/2021 10:49:23 AM	52.9	43.1	0.0	4.0	143.2	143.2	38.30	38.47	-4.00	-4.01	-13.71
GEW-054	3/29/2021 10:57:49 AM	53.3	42.5	0.0	4.2	143.9	143.9	40.77	41.12	-4.03	-4.00	-14.87
GEW-054	3/29/2021 10:59:01 AM	52.8	43.2	0.0	4.0	143.9	143.9	43.50	43.50	-4.02	-4.02	-13.46
GEW-055	3/3/2021 9:47:32 AM	52.6	43.3	0.0	4.1	115.0	114.5	1.10	1.56	-0.14	-0.14	-13.71
GEW-055	3/9/2021 10:54:24 AM	52.2	44.5	0.0	3.3	112.7	112.1	2.48	2.48	0.24	0.24	-13.28
GEW-055	3/9/2021 11:01:53 AM	51.5	45.5	0.0	3.0	119.4	119.8	7.23	8.07	-0.06	-0.07	-13.65
GEW-055	3/18/2021 6:40:09 AM	53.2	42.4	0.0	4.4	125.0	124.2	8.70	10.01	-0.82	-0.81	-13.65

March 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-055	3/22/2021 10:54:12 AM	52.4	42.8	0.0	4.8	129.5	129.4	5.04	6.97	-0.62	-0.63	-13.65
GEW-055	3/29/2021 11:04:06 AM	52.6	42.1	0.0	5.3	129.7	129.7	9.24	10.31	-0.80	-0.80	-13.53
GEW-056R	3/1/2021 10:40:03 AM	44.0	41.0	0.0	15.0	71.4	71.4	2.37	3.14	-0.39	-0.39	-18.90
GEW-056R	3/8/2021 11:37:47 AM	49.8	41.7	0.0	8.5	87.8	87.9	1.15	1.15	-0.28	-0.29	-18.94
GEW-056R	3/8/2021 11:43:45 AM	49.9	42.3	0.0	7.8	86.4	86.5	1.15	2.31	-0.25	-0.25	-18.39
GEW-056R	3/17/2021 7:00:29 AM	50.3	42.5	0.0	7.2	61.4	61.7	1.71	1.21	-0.18	-0.17	-19.62
GEW-056R	3/23/2021 2:26:21 PM	51.3	42.3	0.2	6.2	72.8	72.7	2.92	2.38	-0.11	-0.10	-20.13
GEW-056R	3/31/2021 2:38:33 PM	43.7	39.5	0.0	16.8	71.8	71.8	3.56	3.35	-0.29	-0.29	-19.03
GEW-057B	3/3/2021 2:23:49 PM	10.4	47.2	1.5	40.9	84.2	84.2	2.98	4.06	-13.83	-13.83	-19.03
GEW-057B	3/25/2021 10:51:54 AM	10.9	49.2	1.9	38.0	61.6	61.6	2.35	2.03	-14.51	-14.51	-19.71
GEW-059R	3/3/2021 2:04:40 PM	24.5	40.2	0.0	35.3	118.6	118.6	4.05	3.25	-5.40	-5.40	-18.67
GEW-059R	3/25/2021 10:02:28 AM	24.6	42.5	0.0	32.9	96.5	96.5	4.50	3.89	-6.07	-6.07	-20.01
GEW-067A	3/3/2021 2:15:03 PM	9.2	55.5	0.0	35.3	187.0	186.8	5.71	7.72	-4.06	-4.07	-18.73
GEW-067A	3/3/2021 2:16:29 PM	9.7	54.5	0.0	35.8	187.6	187.6	4.62	2.73	-4.33	-4.32	-18.73
GEW-067A	3/17/2021 8:02:00 AM	9.2	55.0	0.0	35.8	179.8	178.6	7.03	2.90	-8.10	-8.10	-19.53
GEW-067A	3/17/2021 8:03:13 AM	9.7	54.8	0.0	35.5	180.3	179.2	1.93	4.43	-8.23	-8.23	-19.20
GEW-068A	3/4/2021 2:08:51 PM	32.2	49.0	0.0	18.8	165.7	165.7	14.51	14.94	-11.81	-11.81	-19.65
GEW-068A	3/4/2021 2:09:43 PM	32.5	47.0	0.0	20.5	166.1	166.1	14.24	14.30	-11.81	-11.81	-19.28
GEW-068A	3/18/2021 10:24:06 AM	30.4	52.7	0.0	16.9	154.0	154.0	17.41	17.90	-10.40	-10.49	-19.84
GEW-068A	3/18/2021 10:25:09 AM	30.8	49.8	0.0	19.4	154.0	154.0	17.80	17.60	-10.15	-10.15	-19.67
GEW-078R	3/4/2021 11:32:36 AM	32.5	43.1	0.0	24.4	155.6	154.4	28.75	28.68	-5.40	-5.40	-18.52
GEW-078R	3/4/2021 11:33:34 AM	32.1	42.2	0.0	25.7	156.5	156.9	28.30	28.27	-5.87	-5.87	-18.48
GEW-078R	3/18/2021 10:30:01 AM	32.5	44.4	0.0	23.1	141.4	141.5	30.18	28.50	-7.44	-7.10	-19.67
GEW-078R	3/18/2021 10:31:18 AM	32.9	42.5	0.0	24.6	141.9	141.9	27.31	27.83	-7.44	-7.44	-19.76
GEW-082R	3/10/2021 9:38:57 AM	6.8	39.5	0.2	53.5	171.0	171.0	5.35	5.26	-2.73	-2.73	-18.22
GEW-082R	3/10/2021 9:41:27 AM	6.9	37.7	0.2	55.2	166.2	165.2	5.76	5.85	-2.11	-2.12	-18.35
GEW-082R	3/22/2021 10:20:00 AM	6.4	40.0	0.1	53.5	168.5	168.1	1.00	1.41	-1.97	-1.97	-19.37
GEW-082R	3/22/2021 10:21:13 AM	6.4	39.0	0.1	54.5	169.0	168.5	1.73	2.00	-1.96	-1.96	-19.62
GEW-086	3/11/2021 10:18:54 AM	0.4	22.8	8.5	68.3	109.7	109.7	2.23	2.49	-0.10	-0.09	-20.20
GEW-086	3/11/2021 10:21:29 AM	0.3	24.7	8.1	66.9	105.7	105.5	1.59	1.94	-0.08	-0.07	-20.13
GEW-086	3/25/2021 2:00:43 PM	16.1	39.8	0.9	43.2	149.1	150.6	1.84	1.76	-0.01	-0.02	-19.52
GEW-086	3/25/2021 2:02:04 PM	17.3	35.7	1.3	45.7	152.9	153.7	3.11	5.07	-0.02	-0.02	-19.52
GEW-087	3/4/2021 10:14:48 AM	11.9	58.1	0.8	29.2	196.5	196.5	21.21	19.01	-12.16	-12.16	-18.31
GEW-087	3/4/2021 10:15:51 AM	11.3	58.3	0.9	29.5	196.4	197.2	17.94	17.92	-11.82	-11.82	-18.69
GEW-087	3/18/2021 8:10:12 AM	7.7	64.0	0.3	28.0	195.7	195.7	26.25	26.72	-7.77	-7.77	-20.42
GEW-087	3/18/2021 8:11:02 AM	7.2	64.4	0.3	28.1	195.7	195.7	22.56	22.56	-7.77	-7.77	-20.68
GEW-088	3/3/2021 2:10:15 PM	2.2	52.4	0.2	45.2	167.6	168.5	6.73	7.16	-0.46	-0.46	-18.65
GEW-088	3/3/2021 2:11:00 PM	2.3	52.8	0.2	44.7	170.0	170.0	7.35	6.93	-0.52	-0.51	-18.69
GEW-088	3/17/2021 8:16:48 AM	1.8	54.7	0.0	43.5	139.0	138.0	9.65	11.06	-0.11	-0.11	-19.03
GEW-088	3/17/2021 8:18:23 AM	1.7	54.2	0.0	44.1	138.0	139.5	12.96	12.53	-0.07	-0.08	-19.28
GEW-090	3/3/2021 1:53:11 PM	28.5	47.3	0.0	24.2	157.7	154.1	4.14	3.19	-7.09	-7.09	-18.60

March 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-090	3/3/2021 1:54:21 PM	28.6	45.6	0.0	25.8	158.3	157.7	3.75	3.48	-7.09	-7.09	-18.94
GEW-090	3/17/2021 7:52:28 AM	28.5	42.9	0.0	28.6	149.9	147.6	4.06	4.56	-7.09	-7.09	-20.00
GEW-090	3/17/2021 7:53:16 AM	27.8	44.5	0.0	27.7	150.2	150.2	3.21	3.21	-7.13	-7.13	-19.66
GEW-091	3/3/2021 8:54:37 AM	2.2	51.9	3.1	42.8	178.6	179.2	2.96	5.22	-0.23	-0.23	-18.69
GEW-091	3/3/2021 8:56:53 AM	2.3	56.8	1.0	39.9	179.7	180.3	7.31	4.92	-0.09	-0.08	-19.07
GEW-091	3/12/2021 3:07:12 PM	3.9	55.8	0.0	40.3	179.7	179.2	5.59	9.30	-11.52	-11.52	-19.32
GEW-091	3/12/2021 3:08:33 PM	3.9	55.9	0.0	40.2	180.3	180.3	11.28	10.66	-11.48	-11.48	-19.32
GEW-091	3/15/2021 7:55:12 AM	3.6	63.9	0.0	32.5	201.8	202.3	19.19	19.18	-0.19	-0.19	-21.52
GEW-091	3/15/2021 8:03:04 AM	3.3	62.7	0.0	34.0	201.6	201.6	18.14	16.33	-6.46	-6.46	-20.38
GEW-091	3/23/2021 2:51:23 PM	3.9	59.1	0.0	37.0	199.3	199.3	16.50	16.97	-12.10	-12.10	-20.93
GEW-091	3/23/2021 2:52:52 PM	4.1	60.3	0.0	35.6	199.3	199.2	14.93	15.91	-13.45	-13.45	-20.13
GEW-091	3/31/2021 3:04:13 PM	4.7	54.9	0.0	40.4	197.9	197.9	9.09	9.09	-13.17	-13.17	-19.07
GEW-091	3/31/2021 3:05:18 PM	4.1	56.4	0.0	39.5	197.9	197.9	14.87	12.09	-13.17	-13.17	-18.94
GEW-100	3/5/2021 10:26:24 AM	23.4	62.3	0.2	14.1	64.8	64.8	16.01	16.30	-14.26	-14.26	-19.16
GEW-100	3/26/2021 11:00:33 AM	28.2	56.5	0.8	14.5	58.0	58.2	7.48	4.67	-19.06	-19.06	-19.58
GEW-101	3/5/2021 10:34:42 AM	34.2	65.8	0.0	0.0	64.0	63.9	14.47	14.47	-7.59	-7.59	-19.09
GEW-101	3/26/2021 2:08:35 PM	35.1	62.1	0.0	2.8	75.9	75.9	3.86	5.83	-6.92	-6.92	-18.18
GEW-102	3/1/2021 2:23:06 PM	27.5	34.4	5.9	32.2	64.3	64.2	1.58	1.56	-18.19	-18.19	-18.65
GEW-102	3/1/2021 2:27:13 PM	29.1	37.3	4.9	28.7	64.4	64.7	0.57	0.63	-18.19	-18.19	-18.60
GEW-102	3/26/2021 2:02:59 PM	40.3	32.9	4.9	21.9	69.9	70.0	1.03	1.15	-17.63	-17.63	-18.54
GEW-104	3/3/2021 2:29:36 PM	28.3	45.2	0.0	26.5	172.1	171.6	17.29	17.82	-7.09	-7.09	-18.73
GEW-104	3/3/2021 2:30:34 PM	27.9	46.9	0.0	25.2	172.2	172.1	16.39	16.51	-7.09	-7.09	-18.85
GEW-104	3/17/2021 8:15:34 AM	15.2	56.4	0.0	28.4	180.9	180.9	10.26	11.25	-3.36	-3.34	-19.83
GEW-104	3/17/2021 8:17:02 AM	15.2	55.4	0.0	29.4	180.9	180.9	5.64	4.05	-3.52	-3.50	-19.89
GEW-105	3/4/2021 11:09:48 AM	51.4	48.6	0.0	0.0	87.0	87.0	15.23	15.96	-2.11	-2.10	-18.91
GEW-105	3/25/2021 10:27:05 AM	51.3	47.7	0.0	1.0	75.9	75.9	10.15	10.15	-1.78	-1.78	-20.13
GEW-106	3/11/2021 9:24:23 AM	22.6	46.9	1.8	28.7	55.3	55.3	3.67	3.46	-3.26	-3.26	-20.13
GEW-106	3/25/2021 10:20:37 AM	18.4	65.6	0.0	16.0	57.0	57.0	3.48	2.28	0.29	0.29	-19.95
GEW-106	3/25/2021 10:22:33 AM	18.2	67.4	0.0	14.4	57.3	57.3	3.89	3.61	-0.27	-0.26	-20.07
GEW-107	3/3/2021 2:09:42 PM	45.6	47.4	0.0	7.0	117.9	118.1	11.30	9.70	-2.70	-2.69	-18.67
GEW-107	3/25/2021 10:07:23 AM	46.4	48.8	0.0	4.8	100.8	100.8	8.86	7.56	-2.63	-2.62	-20.07
GEW-108	3/1/2021 10:50:44 AM	43.4	46.4	0.0	10.2	111.8	111.2	5.03	6.22	-1.94	-1.95	-18.56
GEW-108	3/8/2021 2:30:43 PM	46.6	46.7	0.0	6.7	122.1	122.3	3.89	6.38	-1.57	-1.56	-18.52
GEW-108	3/8/2021 2:36:24 PM	47.0	46.2	0.0	6.8	122.8	122.6	6.82	6.82	-1.58	-1.57	-18.69
GEW-108	3/17/2021 7:11:24 AM	41.2	46.0	0.0	12.8	93.6	93.9	3.41	3.21	-1.01	-1.02	-19.32
GEW-108	3/25/2021 11:11:44 AM	42.3	48.1	0.0	9.6	107.2	107.2	4.17	4.17	-1.73	-1.73	-19.58
GEW-108	3/31/2021 2:48:43 PM	45.1	44.5	0.0	10.4	103.3	103.3	8.25	8.25	-2.40	-2.40	-18.82
GEW-109	3/1/2021 10:47:34 AM	48.0	40.6	1.7	9.7	58.5	58.7	2.10	1.72	-1.03	-1.04	-18.48
GEW-109	3/8/2021 2:20:37 PM	54.4	40.0	0.9	4.7	78.7	78.7	1.65	2.02	-0.72	-0.71	-18.56
GEW-109	3/8/2021 2:26:35 PM	53.8	39.7	1.0	5.5	78.9	79.3	1.65	1.65	-0.65	-0.65	-18.44
GEW-109	3/17/2021 7:08:16 AM	51.3	41.4	0.7	6.6	48.5	48.5	2.15	1.75	-0.51	-0.52	-19.24

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Well Name	Date Sampled	Methane	CO ₂	O ₂	Balance Gas	Init Temp	Adj Temp	Init Flow	Adj Flow	Init Static Press	Adj Static Press	System Pressure
		(% vol)				°F		scfm		H ₂ O		
GEW-109	3/23/2021 2:37:42 PM	51.5	40.9	0.2	7.4	60.7	60.8	2.11	1.22	-0.63	-0.62	-19.71
GEW-109	3/31/2021 2:44:50 PM	47.9	38.5	1.4	12.2	61.6	61.6	3.41	3.41	-0.98	-0.97	-18.94
GEW-110	3/1/2021 10:29:46 AM	49.8	45.4	0.4	4.4	96.2	96.2	3.74	3.38	-2.56	-2.57	-18.86
GEW-110	3/8/2021 11:18:33 AM	54.6	45.4	0.0	0.0	115.3	115.3	1.89	5.00	-1.89	-1.88	-18.94
GEW-110	3/8/2021 11:24:16 AM	54.6	45.4	0.0	0.0	116.3	116.3	2.43	1.89	-1.97	-1.97	-18.94
GEW-110	3/17/2021 6:54:47 AM	45.2	48.8	0.0	6.0	108.2	108.5	5.87	7.01	-0.22	-0.22	-19.70
GEW-110	3/23/2021 2:28:45 PM	47.4	41.7	1.5	9.4	79.8	79.9	2.34	1.17	-2.35	-2.34	-20.07
GEW-110	3/31/2021 2:33:00 PM	52.3	42.6	0.0	5.1	99.3	99.6	4.19	1.58	-2.55	-2.56	-19.28
GEW-113	3/4/2021 11:09:04 AM	20.0	62.9	0.3	16.8	174.2	173.6	9.86	9.51	-1.62	-1.62	-18.86
GEW-113	3/4/2021 11:09:53 AM	19.7	63.3	0.3	16.7	174.2	174.2	10.05	8.97	-1.63	-1.62	-18.60
GEW-113	3/18/2021 8:21:37 AM	13.5	65.7	0.0	20.8	162.1	162.0	10.24	10.29	-1.92	-1.93	-19.92
GEW-113	3/19/2021 7:48:15 AM	18.0	61.9	0.1	20.0	168.5	167.6	10.03	9.38	-2.12	-2.11	-20.93
GEW-113	3/19/2021 7:49:04 AM	16.2	64.7	0.0	19.1	168.5	168.5	9.31	9.04	-2.13	-2.13	-20.55
GEW-116	3/4/2021 1:56:47 PM	45.3	54.7	0.0	0.0	99.1	99.1	5.04	4.65	-0.03	-0.04	-18.86
GEW-116	3/26/2021 2:33:04 PM	34.2	56.1	1.8	7.9	97.7	97.8	7.97	8.05	-0.05	-0.07	-18.48
GEW-117	3/10/2021 8:40:05 AM	33.2	43.8	0.2	22.8	98.9	100.6	6.82	11.00	-13.17	-13.17	-19.62
GEW-117	3/22/2021 2:39:18 PM	36.8	52.1	0.0	11.1	115.3	115.5	6.75	6.75	-10.81	-10.81	-18.82
GEW-117	3/26/2021 2:26:29 PM	36.4	51.5	0.0	12.1	125.0	125.2	6.79	6.79	-9.62	-9.62	-18.91
GEW-118	3/10/2021 9:32:37 AM	6.3	57.5	0.0	36.2	197.6	197.3	18.41	16.76	-4.51	-4.51	-18.39
GEW-118	3/10/2021 9:34:20 AM	5.8	57.9	0.0	36.3	197.9	197.9	18.19	18.98	-4.51	-4.50	-19.70
GEW-118	3/22/2021 10:14:19 AM	8.8	54.0	0.0	37.2	191.6	191.6	17.58	16.61	-7.77	-7.77	-20.08
GEW-118	3/22/2021 10:15:40 AM	8.4	53.7	0.0	37.9	191.8	191.6	17.45	17.01	-7.09	-7.09	-19.45
GEW-120	3/5/2021 1:47:32 PM	11.1	25.9	3.3	59.7	114.7	114.6	19.74	20.21	-9.03	-9.03	-19.58
GEW-120	3/5/2021 1:48:59 PM	10.9	25.3	3.3	60.5	113.8	113.7	19.57	18.16	-7.72	-7.72	-19.16
GEW-120	3/22/2021 2:46:15 PM	10.5	25.8	2.7	61.0	115.9	116.0	15.13	15.12	-6.42	-6.42	-19.75
GEW-120	3/26/2021 2:48:03 PM	9.6	26.7	2.7	61.0	116.7	116.8	12.79	12.47	-5.90	-5.90	-19.03
GEW-121	3/3/2021 9:20:41 AM	19.2	31.0	0.1	49.7	104.0	104.1	6.64	6.45	-4.17	-4.17	-17.34
GEW-121	3/3/2021 9:29:06 AM	6.5	12.3	14.7	66.5	73.0	72.4	1.67	2.05	-0.83	-0.84	-17.89
GEW-121	3/3/2021 9:53:32 AM	3.8	6.2	17.5	72.5	64.3	64.2	4.65	4.49	-0.62	-0.62	-17.93
GEW-121	3/3/2021 10:02:41 AM	18.6	31.4	1.7	48.3	80.3	80.3	5.89	5.89	-4.17	-4.17	-17.59
GEW-121	3/22/2021 3:01:59 PM	37.2	53.0	0.0	9.8	113.0	113.2	2.90	1.55	-1.51	-1.51	-17.51
GEW-121	3/26/2021 2:46:01 PM	36.4	55.6	0.0	8.0	124.2	124.2	3.90	4.84	-1.65	-1.66	-17.87
GEW-122	3/5/2021 1:54:44 PM	41.9	39.5	0.0	18.6	72.7	73.0	3.73	2.81	-4.66	-4.66	-19.03
GEW-122	3/24/2021 10:22:24 AM	41.9	43.0	0.0	15.1	71.6	71.8	5.97	7.67	-5.40	-5.40	-19.28
GEW-123	3/5/2021 1:53:07 PM	35.9	51.6	0.9	11.6	66.5	66.8	3.81	2.95	-0.45	-0.45	-19.09
GEW-123	3/24/2021 10:25:38 AM	43.4	56.6	0.0	0.0	63.7	63.7	3.18	2.95	-0.28	-0.29	-19.28
GEW-124	3/5/2021 1:57:16 PM	33.1	27.2	8.2	31.5	61.6	61.6	0.12	0.18	-18.14	-18.14	-19.03
GEW-124	3/5/2021 1:59:04 PM	36.8	26.7	7.2	29.3	60.6	60.6	0.28	0.31	-17.46	-17.46	-19.09
GEW-124	3/19/2021 8:05:10 AM	45.8	33.5	4.9	15.8	43.1	43.1	0.70	0.54	-14.39	-14.39	-20.72
GEW-125	3/5/2021 2:02:07 PM	39.7	32.5	0.3	27.5	62.4	62.6	1.70	1.70	-3.76	-3.76	-18.97
GEW-125	3/24/2021 10:40:01 AM	35.9	32.4	0.7	31.0	66.6	66.8	1.18	1.18	-5.40	-5.40	-19.28

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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-126	3/5/2021 2:06:26 PM	28.7	29.1	1.5	40.7	58.5	58.5	4.97	6.14	-6.66	-6.66	-19.09
GEW-126	3/24/2021 10:53:41 AM	27.2	31.0	1.5	40.3	66.8	66.8	6.75	5.64	-7.43	-7.43	-19.28
GEW-127	3/5/2021 2:09:07 PM	29.7	41.0	0.8	28.5	65.4	65.6	36.65	36.65	-1.53	-1.53	-19.16
GEW-127	3/24/2021 11:05:36 AM	21.1	32.6	6.8	39.5	67.9	68.0	3.38	2.67	-0.17	-0.16	-19.24
GEW-127	3/24/2021 11:09:08 AM	21.8	33.6	6.5	38.1	68.0	68.0	1.19	1.19	-0.18	-0.18	-19.20
GEW-129	3/10/2021 10:24:26 AM	34.1	51.5	0.1	14.3	97.1	97.1	14.73	14.64	-1.96	-1.96	-20.04
GEW-129	3/29/2021 3:11:54 PM	33.6	47.2	0.1	19.1	101.3	101.3	14.98	14.98	-1.89	-1.90	-19.09
GEW-130	3/10/2021 10:33:24 AM	24.5	41.9	0.0	33.6	128.6	128.3	5.40	5.40	-12.54	-12.54	-19.75
GEW-130	3/24/2021 10:12:39 AM	27.3	43.6	0.0	29.1	142.2	142.4	5.94	5.58	-11.14	-11.14	-19.62
GEW-130	3/24/2021 10:13:35 AM	27.0	43.8	0.0	29.2	142.5	141.9	4.66	4.67	-11.48	-11.48	-19.45
GEW-131	3/5/2021 2:50:36 PM	43.9	49.6	0.0	6.5	93.4	93.4	18.59	18.59	-8.69	-8.69	-19.03
GEW-131	3/24/2021 10:16:50 AM	43.3	47.2	0.0	9.5	98.2	98.2	19.73	15.64	-9.71	-9.71	-19.28
GEW-132	3/10/2021 9:44:58 AM	15.7	37.1	0.3	46.9	95.4	94.5	6.50	5.67	-1.40	-1.40	-18.60
GEW-132	3/22/2021 3:05:15 PM	16.2	36.3	0.3	47.2	98.1	98.3	3.73	3.73	-1.54	-1.54	-19.07
GEW-132	3/26/2021 2:20:01 PM	16.5	38.5	0.2	44.8	109.7	110.0	4.44	4.44	-1.50	-1.50	-18.73
GEW-133	3/4/2021 1:47:55 PM	20.6	53.6	0.2	25.6	79.4	79.4	7.46	6.99	-1.62	-1.63	-18.05
GEW-133	3/22/2021 2:14:25 PM	16.0	53.6	0.0	30.4	86.1	86.3	7.55	7.54	-1.40	-1.40	-18.82
GEW-133	3/26/2021 2:30:58 PM	13.6	51.6	0.0	34.8	97.5	97.7	7.00	9.29	-1.10	-1.11	-17.14
GEW-134	3/4/2021 1:44:28 PM	18.7	42.2	0.3	38.8	75.2	75.5	2.63	2.36	-0.12	-0.12	-18.94
GEW-134	3/22/2021 2:10:35 PM	11.3	43.0	0.2	45.5	77.6	77.7	5.11	3.71	-0.08	-0.08	-19.15
GEW-134	3/26/2021 2:35:47 PM	12.7	43.2	0.0	44.1	79.4	79.6	1.18	1.18	-0.11	-0.11	-18.85
GEW-135	3/4/2021 1:34:47 PM	8.9	54.0	0.3	36.8	85.9	86.1	2.58	2.00	-0.09	-0.10	-16.91
GEW-135	3/22/2021 2:02:03 PM	3.8	54.7	0.0	41.5	83.7	83.8	1.16	1.16	-0.02	-0.03	-16.58
GEW-135	3/26/2021 2:38:25 PM	3.6	51.5	0.0	44.9	88.4	88.4	3.27	2.59	-0.13	-0.12	-16.71
GEW-137	3/4/2021 11:24:59 AM	49.2	45.7	0.1	5.0	73.2	73.2	2.36	2.36	-1.68	-1.68	-17.97
GEW-137	3/24/2021 9:34:11 AM	40.6	49.2	0.0	10.2	63.9	64.0	1.20	1.20	-1.51	-1.51	-19.28
GEW-139	3/5/2021 9:51:40 AM	6.4	37.6	7.6	48.4	50.7	50.7	3.51	2.77	-1.04	-1.04	-18.73
GEW-139	3/5/2021 9:53:02 AM	6.4	37.8	7.6	48.2	51.0	51.0	4.11	3.92	-0.85	-0.85	-19.16
GEW-139	3/19/2021 2:53:45 PM	0.2	58.8	0.8	40.2	64.9	64.9	2.40	2.40	-0.64	-0.64	-18.22
GEW-140	3/5/2021 9:39:26 AM	40.8	42.6	0.0	16.6	54.9	55.0	3.86	2.73	-3.74	-3.74	-17.20
GEW-140	3/26/2021 10:14:48 AM	31.4	50.3	0.0	18.3	60.6	60.7	2.43	1.72	-1.74	-1.74	-17.99
GEW-144	3/10/2021 11:17:50 AM	28.1	26.6	10.5	34.8	69.3	69.3	6.26	6.37	-9.84	-9.84	-19.70
GEW-144	3/10/2021 11:24:26 AM	40.6	36.2	4.9	18.3	70.2	70.2	7.02	7.02	-17.60	-17.60	-19.49
GEW-144	3/26/2021 11:09:13 AM	41.3	35.5	4.9	18.3	57.2	57.2	0.18	0.14	-18.52	-18.52	-19.58
GEW-145	3/4/2021 1:56:59 PM	21.0	45.7	1.9	31.4	70.8	70.7	1.19	1.19	-3.15	-3.15	-19.03
GEW-145	3/26/2021 1:56:51 PM	22.3	42.3	1.5	33.9	71.1	71.1	6.05	5.88	-9.95	-9.95	-18.60
GEW-147	3/4/2021 11:05:00 AM	21.8	49.5	1.1	27.6	148.8	148.8	6.30	7.78	-5.40	-5.40	-18.69
GEW-147	3/4/2021 11:05:48 AM	22.2	50.1	1.1	26.6	148.8	148.8	12.97	12.73	-5.40	-5.40	-18.69
GEW-147	3/18/2021 8:14:23 AM	14.5	54.4	0.8	30.3	139.4	139.4	11.25	11.85	-6.42	-6.42	-20.30
GEW-147	3/18/2021 8:15:07 AM	15.1	51.4	0.8	32.7	139.6	139.6	8.15	10.61	-6.42	-6.42	-20.21
GEW-148	3/4/2021 10:11:23 AM	30.3	58.2	0.1	11.4	127.5	127.7	6.27	9.05	-10.81	-10.81	-17.84

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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-148	3/24/2021 9:12:14 AM	26.9	55.4	0.1	17.6	126.9	127.5	9.84	8.91	-11.82	-11.82	-19.45
GEW-149	3/1/2021 2:06:12 PM	7.3	17.4	2.7	72.6	62.3	62.3	1.21	2.09	-0.34	-0.34	-18.65
GEW-149	3/22/2021 3:19:26 PM	11.9	24.6	1.4	62.1	72.2	72.2	3.35	3.93	-0.11	-0.11	-19.20
GEW-149	3/26/2021 3:01:57 PM	4.6	15.4	5.8	74.2	73.2	73.2	1.19	1.68	-0.16	-0.16	-18.85
GEW-149	3/26/2021 3:03:20 PM	4.5	15.1	5.8	74.6	73.3	73.2	1.68	2.06	-0.16	-0.16	-18.97
GEW-150	3/3/2021 2:34:08 PM	27.5	44.4	1.5	26.6	143.5	143.5	29.31	29.33	-1.25	-1.25	-19.03
GEW-150	3/3/2021 2:35:20 PM	27.6	45.5	1.3	25.6	142.9	143.2	29.51	29.45	-1.24	-1.24	-19.03
GEW-150	3/17/2021 8:20:25 AM	27.9	51.0	1.2	19.9	145.6	145.9	27.81	27.90	-1.49	-1.49	-19.77
GEW-150	3/17/2021 8:21:21 AM	28.3	48.5	1.2	22.0	145.6	145.9	27.76	27.25	-1.48	-1.48	-19.83
GEW-152	3/3/2021 2:11:51 PM	26.5	42.5	2.0	29.0	82.1	82.1	4.04	3.50	-1.26	-1.26	-18.54
GEW-152	3/25/2021 10:09:49 AM	28.4	43.8	1.9	25.9	59.2	59.2	2.99	2.99	-1.20	-1.20	-20.01
GEW-153	3/3/2021 2:07:26 PM	32.0	35.3	0.0	32.7	95.0	95.0	1.61	3.21	-2.70	-2.70	-18.67
GEW-153	3/25/2021 10:04:46 AM	32.3	36.4	0.0	31.3	77.5	77.5	1.17	1.66	-2.81	-2.80	-20.07
GEW-156	3/3/2021 2:01:53 PM	27.6	44.7	0.0	27.7	106.2	106.2	3.32	3.32	-5.06	-5.06	-18.60
GEW-156	3/25/2021 10:00:29 AM	26.8	45.4	0.0	27.8	83.1	83.2	1.15	2.31	-5.74	-5.74	-20.01
GEW-157	3/3/2021 2:25:48 PM	22.0	38.6	3.2	36.2	80.0	80.0	4.69	3.89	-0.85	-0.84	-18.73
GEW-157	3/3/2021 2:27:59 PM	22.4	40.5	2.8	34.3	80.6	80.6	5.74	4.69	-0.76	-0.75	-18.91
GEW-157	3/25/2021 10:47:12 AM	23.7	43.5	1.0	31.8	58.7	58.7	3.67	3.24	-0.43	-0.43	-19.95
GEW-158	3/4/2021 11:38:03 AM	32.2	47.7	0.0	20.1	74.6	74.7	2.37	3.14	-0.84	-0.84	-18.60
GEW-158	3/25/2021 10:24:34 AM	30.1	55.5	0.0	14.4	66.3	66.3	1.70	2.69	-0.83	-0.83	-20.07
GEW-160	3/1/2021 11:05:24 AM	33.5	38.1	0.9	27.5	53.9	53.9	1.21	1.21	-5.45	-5.45	-18.60
GEW-160	3/8/2021 3:14:55 PM	36.2	33.5	1.6	28.7	76.1	76.1	4.03	2.60	-4.89	-4.88	-18.77
GEW-160	3/8/2021 3:20:22 PM	41.4	37.1	0.1	21.4	76.9	76.7	1.16	1.16	-4.85	-4.85	-18.77
GEW-160	3/17/2021 7:26:26 AM	31.7	37.1	0.9	30.3	48.8	49.0	1.22	2.12	-5.07	-5.07	-19.62
GEW-160	3/23/2021 2:48:51 PM	31.9	37.9	0.5	29.7	61.4	61.4	2.41	2.08	-4.93	-4.93	-19.77
GEW-160	3/31/2021 3:01:04 PM	31.1	33.1	1.4	34.4	61.8	61.7	4.62	3.58	-5.07	-5.07	-18.52
GEW-161	3/1/2021 11:01:27 AM	15.2	49.5	1.3	34.0	70.7	71.4	1.66	2.03	-4.15	-4.15	-18.73
GEW-161	3/8/2021 3:05:00 PM	19.4	51.9	0.4	28.3	86.6	86.8	1.98	1.98	-3.32	-3.32	-18.82
GEW-161	3/8/2021 3:11:14 PM	21.1	53.2	0.0	25.7	87.0	87.0	3.43	1.62	-3.29	-3.30	-18.77
GEW-161	3/17/2021 7:23:18 AM	16.1	52.6	0.4	30.9	59.7	60.2	6.91	6.47	-3.51	-3.50	-19.66
GEW-161	3/23/2021 2:46:30 PM	15.8	48.6	0.6	35.0	71.7	71.8	4.31	3.68	-3.30	-3.30	-19.89
GEW-161	3/31/2021 2:58:16 PM	18.1	44.6	1.3	36.0	66.3	66.3	3.93	3.75	-4.21	-4.21	-18.94
GEW-162	3/1/2021 10:58:25 AM	21.5	62.9	0.2	15.4	55.0	55.1	2.72	1.72	-2.01	-2.01	-18.60
GEW-162	3/8/2021 2:56:01 PM	24.3	58.8	1.1	15.8	80.9	81.2	1.64	2.01	-1.63	-1.63	-18.73
GEW-162	3/8/2021 3:01:21 PM	24.3	60.5	1.0	14.2	80.5	80.5	4.03	3.49	-1.64	-1.64	-18.77
GEW-162	3/17/2021 7:19:30 AM	22.4	61.2	0.6	15.8	48.5	48.5	2.47	2.47	-1.89	-1.89	-19.62
GEW-162	3/23/2021 2:44:09 PM	20.6	59.5	1.1	18.8	61.1	61.1	3.21	1.72	-1.83	-1.83	-20.07
GEW-162	3/31/2021 2:55:28 PM	21.1	56.7	0.5	21.7	60.7	60.7	2.09	2.41	-1.95	-1.96	-18.94
GEW-163	3/5/2021 2:27:33 PM	39.0	49.5	0.0	11.5	75.0	75.0	10.07	7.90	-3.52	-3.53	-19.09
GEW-163	3/24/2021 10:28:28 AM	40.1	59.9	0.0	0.0	77.5	77.6	16.23	14.46	-0.41	-0.40	-19.37
GEW-164	3/5/2021 2:24:46 PM	37.9	49.3	0.0	12.8	118.4	118.4	17.27	14.73	-0.45	-0.44	-15.73

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		(% vol)				°F		scfm		H ₂ O		
GEW-164	3/24/2021 10:31:34 AM	39.6	55.8	0.0	4.6	117.6	117.6	14.65	13.95	-0.50	-0.49	-17.55
GEW-165	3/5/2021 2:22:02 PM	20.0	48.2	4.4	27.4	119.4	119.7	27.66	28.03	-0.07	-0.06	-19.09
GEW-165	3/24/2021 10:36:45 AM	24.9	55.3	3.7	16.1	121.5	121.8	7.28	7.28	-0.05	-0.05	-19.07
GEW-166	3/5/2021 2:18:02 PM	4.8	59.7	0.0	35.5	165.7	165.2	5.43	4.89	-1.23	-1.24	-19.03
GEW-166	3/5/2021 2:19:25 PM	4.8	60.8	0.0	34.4	165.7	165.2	4.96	4.98	-1.25	-1.26	-19.03
GEW-166	3/19/2021 8:08:38 AM	6.9	58.2	0.0	34.9	155.9	151.0	7.42	5.82	-1.62	-1.63	-20.25
GEW-166	3/19/2021 8:09:22 AM	5.4	60.3	0.0	34.3	156.5	156.5	5.39	5.39	-1.79	-1.79	-20.42
GEW-167	3/5/2021 2:15:15 PM	13.8	46.7	0.0	39.5	114.1	114.0	1.90	2.90	-2.95	-2.96	-19.03
GEW-167	3/24/2021 10:19:40 AM	15.3	50.1	0.0	34.6	106.0	106.0	2.47	2.92	-3.88	-3.89	-19.41
GEW-168	3/5/2021 2:12:05 PM	41.3	45.2	0.3	13.2	82.3	82.2	8.76	8.76	-1.53	-1.53	-18.97
GEW-168	3/24/2021 10:46:50 AM	42.8	53.7	1.4	2.1	79.5	79.8	2.76	3.90	-2.39	-2.40	-18.94
GEW-169	3/3/2021 10:15:37 AM	26.8	38.1	5.2	29.9	77.1	77.1	6.23	4.83	-0.06	-0.06	-18.44
GEW-169	3/3/2021 10:16:28 AM	26.9	38.2	5.2	29.7	77.1	77.1	3.94	4.83	-0.06	-0.06	-18.31
GEW-169	3/17/2021 8:29:12 AM	24.4	39.7	5.4	30.5	52.9	53.1	4.74	4.87	-0.02	-0.01	-19.71
GEW-169	3/17/2021 8:31:20 AM	24.9	38.8	5.5	30.8	52.9	52.9	7.20	7.20	-0.01	-0.01	-19.71
GEW-170	3/10/2021 10:10:21 AM	14.9	32.3	6.3	46.5	95.0	94.8	14.78	15.26	-0.09	-0.09	-19.96
GEW-170	3/10/2021 10:11:11 AM	14.7	31.8	6.3	47.2	94.8	94.8	15.27	14.78	-0.07	-0.07	-19.75
GEW-170	3/22/2021 10:49:57 AM	15.0	29.5	7.0	48.5	94.0	94.2	3.82	2.70	-0.17	-0.17	-18.94
GEW-170	3/22/2021 10:51:00 AM	15.0	29.3	7.0	48.7	93.6	93.9	10.82	10.81	-0.17	-0.16	-18.94
GEW-171	3/5/2021 10:23:23 AM	19.5	48.5	3.6	28.4	51.3	51.3	4.28	3.71	-1.80	-1.80	-17.14
GEW-171	3/26/2021 10:58:57 AM	20.2	52.4	1.8	25.6	58.0	57.8	2.79	2.79	-2.27	-2.27	-17.63
GEW-172	3/5/2021 10:42:43 AM	36.0	43.3	2.1	18.6	90.1	89.7	3.82	5.40	-6.12	-6.12	-19.09
GEW-172	3/26/2021 10:53:05 AM	42.4	47.0	0.6	10.0	134.1	134.1	26.80	27.90	-14.68	-14.68	-19.28
GEW-172	3/26/2021 10:54:23 AM	42.2	48.1	0.5	9.2	134.1	134.8	18.78	18.78	-14.97	-14.97	-19.65
GEW-174	3/5/2021 9:42:14 AM	16.8	33.9	1.5	47.8	126.6	126.4	50.08	50.08	-12.53	-12.53	-19.09
GEW-174	3/8/2021 1:49:43 PM	17.3	31.0	1.5	50.2	128.9	128.9	43.48	43.55	-12.15	-12.15	-19.09
GEW-174	3/8/2021 1:51:24 PM	16.6	31.2	1.9	50.3	123.7	123.7	10.08	11.04	-9.15	-9.15	-19.09
GEW-174	3/26/2021 10:11:48 AM	16.1	30.9	1.9	51.1	117.3	117.4	14.38	14.38	-4.48	-4.48	-20.38
GEW-175	3/10/2021 1:56:10 PM	13.7	14.6	10.8	60.9	75.9	75.9	5.59	5.59	-0.04	-0.03	-19.62
GEW-175	3/10/2021 1:57:05 PM	13.7	14.2	10.8	61.3	75.9	75.7	10.46	9.68	-0.02	-0.03	-19.62
GEW-175	3/22/2021 11:16:34 AM	10.8	15.9	11.4	61.9	77.3	77.3	2.79	2.79	-0.01	-0.01	-18.60
GEW-175	3/22/2021 11:17:27 AM	10.8	15.3	11.5	62.4	77.5	77.7	2.79	4.82	-0.01	-0.01	-18.60
GEW-177	3/5/2021 10:06:08 AM	15.7	46.0	0.5	37.8	145.2	145.2	19.92	19.92	-15.31	-15.31	-18.97
GEW-177	3/5/2021 10:07:30 AM	15.5	43.9	0.4	40.2	145.6	145.5	18.87	22.48	-15.27	-15.27	-19.09
GEW-177	3/19/2021 8:28:16 AM	18.1	42.4	2.3	37.2	130.0	128.6	7.33	8.48	-15.32	-15.32	-20.38
GEW-178	3/4/2021 10:58:08 AM	44.8	42.6	0.7	11.9	68.9	68.8	3.17	2.40	-0.15	-0.15	-19.09
GEW-178	3/25/2021 10:43:44 AM	52.3	44.3	0.0	3.4	59.0	58.9	3.46	3.24	-0.20	-0.20	-20.07
GEW-179	3/4/2021 10:55:20 AM	33.8	42.8	0.0	23.4	84.2	83.9	15.22	13.37	-5.74	-5.74	-19.09
GEW-179	3/25/2021 11:00:07 AM	41.2	45.1	0.3	13.4	76.4	76.4	9.47	9.24	-9.45	-9.45	-19.71
GEW-180	3/5/2021 10:37:13 AM	37.2	62.2	0.2	0.4	60.7	60.7	3.69	2.86	-17.00	-17.00	-19.28
GEW-180	3/26/2021 2:05:44 PM	38.6	56.3	0.3	4.8	74.6	74.8	1.97	4.41	-16.70	-16.70	-18.73

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		(% vol)				°F		scfm		H ₂ O		
GEW-181	3/5/2021 10:31:38 AM	29.2	70.8	0.0	0.0	53.4	54.1	20.13	20.13	-18.01	-18.01	-19.03
GEW-181	3/26/2021 2:11:41 PM	29.9	66.9	0.0	3.2	69.8	69.8	21.00	21.00	-17.38	-17.38	-18.79
GEW-185	3/5/2021 1:45:34 PM	23.9	32.6	3.2	40.3	125.8	126.1	11.05	15.72	-5.99	-5.99	-19.03
GEW-185	3/22/2021 2:59:19 PM	23.0	30.6	2.1	44.3	129.8	130.1	15.81	18.11	-6.75	-6.75	-20.13
GEW-185	3/26/2021 2:22:47 PM	19.4	33.2	2.0	45.4	131.4	131.2	10.97	10.97	-7.00	-7.00	-18.97
GEW-185	3/26/2021 2:24:09 PM	19.7	32.1	2.0	46.2	131.5	131.4	20.21	19.69	-6.92	-6.92	-19.83
GEW-186	3/3/2021 10:21:23 AM	39.1	42.9	2.4	15.6	87.4	87.5	2.82	4.15	-0.11	-0.11	-18.27
GEW-186	3/24/2021 11:21:33 AM	44.6	46.8	0.8	7.8	82.8	82.8	6.67	5.57	-0.14	-0.14	-18.94
GEW-187	3/1/2021 10:54:09 AM	45.0	52.9	0.0	2.1	91.8	92.2	9.22	12.26	-3.06	-3.07	-18.18
GEW-187	3/8/2021 2:41:19 PM	50.5	49.5	0.0	0.0	100.4	100.6	11.45	13.72	-3.06	-3.05	-18.44
GEW-187	3/8/2021 2:48:36 PM	50.9	49.1	0.0	0.0	100.9	100.6	14.11	11.16	-3.09	-3.09	-18.35
GEW-187	3/17/2021 7:14:23 AM	47.3	51.9	0.0	0.8	87.0	86.8	10.67	9.30	-3.15	-3.16	-19.11
GEW-187	3/23/2021 2:40:25 PM	47.4	48.1	0.0	4.5	89.6	89.1	19.92	19.92	-3.20	-3.20	-19.95
GEW-187	3/31/2021 2:51:35 PM	44.3	48.4	0.0	7.3	90.5	90.5	6.02	6.73	-3.08	-3.07	-18.65
GEW-217	3/11/2021 11:02:39 AM	40.3	35.4	4.8	19.5	55.2	55.2	2.62	2.03	-19.57	-19.57	-20.20
GEW-217	3/31/2021 9:45:34 AM	45.0	40.2	2.5	12.3	59.0	59.0	5.71	5.71	-18.89	-18.89	-20.62
GEW-218	3/4/2021 2:04:06 PM	8.9	36.2	5.0	49.9	75.9	76.1	3.74	2.90	-0.33	-0.33	-19.22
GEW-218	3/4/2021 2:05:29 PM	8.6	38.3	5.0	48.1	75.5	75.5	2.05	2.05	-0.29	-0.29	-19.09
GEW-218	3/18/2021 10:18:24 AM	12.4	61.9	0.0	25.7	45.7	45.6	6.09	5.11	-0.18	-0.20	-19.29
GEW-220	3/4/2021 10:48:42 AM	29.2	44.1	1.0	25.7	84.8	84.9	4.98	4.98	-7.97	-7.97	-19.09
GEW-220	3/25/2021 11:03:17 AM	29.2	49.4	0.0	21.4	97.1	97.2	5.06	5.06	-2.74	-2.75	-20.01
GEW-221	3/4/2021 10:51:34 AM	26.7	47.3	0.3	25.7	80.4	80.3	3.95	1.98	-11.81	-11.81	-19.03
GEW-221	3/31/2021 10:02:48 AM	28.0	48.1	1.2	22.7	64.2	64.2	4.39	3.89	-13.12	-13.12	-20.62
GEW-222	3/10/2021 11:27:18 AM	52.1	40.6	1.3	6.0	72.3	72.5	13.48	11.26	-14.23	-14.23	-19.83
GEW-222	3/31/2021 10:08:01 AM	40.1	26.2	7.7	26.0	55.8	55.8	6.42	6.42	-19.23	-19.23	-20.20
GEW-222	3/31/2021 10:09:35 AM	38.6	23.4	8.2	29.8	56.3	56.4	2.34	2.34	-19.23	-19.23	-20.26
GEW-223	3/5/2021 10:18:20 AM	35.7	64.0	0.0	0.3	149.1	149.1	12.41	12.41	-4.61	-4.61	-19.71
GEW-223	3/5/2021 10:19:51 AM	35.5	64.3	0.0	0.2	149.1	149.1	11.88	14.50	-4.64	-4.64	-19.28
GEW-223	3/19/2021 8:32:08 AM	36.7	63.3	0.0	0.0	145.5	145.2	7.76	4.82	-5.57	-5.57	-20.34
GEW-223	3/19/2021 8:33:02 AM	36.6	63.4	0.0	0.0	145.2	145.6	8.16	6.16	-5.57	-5.57	-20.55
GEW-224	3/5/2021 10:10:09 AM	28.6	48.0	4.9	18.5	125.0	125.0	15.92	14.28	-14.30	-14.30	-18.60
GEW-224	3/26/2021 10:17:55 AM	26.4	44.5	6.4	22.7	115.3	115.3	8.81	11.18	-15.69	-15.69	-20.01
GEW-224	3/26/2021 10:19:23 AM	25.7	42.3	6.8	25.2	114.5	114.5	8.97	8.97	-15.06	-15.06	-19.77
GEW-225	3/5/2021 10:14:41 AM	22.2	50.1	0.3	27.4	141.2	141.2	8.57	8.59	-7.89	-7.89	-19.46
GEW-225	3/5/2021 10:16:40 AM	21.8	51.7	0.2	26.3	141.2	141.2	9.66	9.32	-7.89	-7.89	-19.46
GEW-225	3/19/2021 8:36:02 AM	21.5	52.4	1.8	24.3	139.3	139.3	8.69	9.56	-8.32	-8.32	-20.80
GEW-225	3/19/2021 8:36:55 AM	21.3	52.9	2.0	23.8	139.0	139.2	9.22	8.92	-8.53	-8.53	-20.68
GEW-226	3/5/2021 9:45:46 AM	40.1	44.6	0.0	15.3	146.3	146.7	12.51	12.54	-2.59	-2.60	-18.12
GEW-226	3/5/2021 9:46:59 AM	39.6	44.3	0.0	16.1	147.1	146.7	13.31	13.55	-2.59	-2.61	-17.26
GEW-226	3/19/2021 8:23:31 AM	44.2	45.5	0.5	9.8	130.0	129.7	13.20	12.28	-3.19	-3.17	-20.47
GEW-227	3/10/2021 9:05:16 AM	2.1	38.3	3.6	56.0	149.5	149.9	18.40	18.38	-0.60	-0.60	-18.60

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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-227	3/10/2021 9:06:49 AM	2.2	36.9	3.5	57.4	150.7	150.6	5.36	5.84	-0.08	-0.09	-18.90
GEW-227	3/22/2021 9:38:20 AM	3.0	30.8	4.9	61.3	134.4	134.4	4.74	6.09	-0.37	-0.37	-19.66
GEW-227	3/22/2021 9:44:03 AM	2.9	31.8	4.7	60.6	134.7	134.2	3.67	4.11	-0.31	-0.31	-19.58
GEW-228	3/10/2021 2:33:26 PM	4.4	17.4	11.9	66.3	160.8	160.7	12.31	11.76	-0.07	-0.08	-19.96
GEW-228	3/10/2021 2:36:11 PM	4.4	17.0	11.8	66.8	133.8	129.3	16.76	17.23	0.11	0.10	-19.96
GEW-229	3/10/2021 2:40:58 PM	3.9	10.8	10.6	74.7	88.2	88.1	8.83	10.54	-0.17	-0.16	-20.08
GEW-229	3/10/2021 2:43:17 PM	3.9	10.5	10.5	75.1	83.7	83.3	1.16	2.59	-0.07	-0.08	-19.96
GEW-232	3/4/2021 10:01:26 AM	28.6	55.4	1.4	14.6	123.4	123.4	5.51	2.64	-0.50	-0.50	-18.27
GEW-232	3/26/2021 2:56:38 PM	24.2	49.6	1.3	24.9	129.7	129.4	6.18	5.79	-0.48	-0.49	-18.85
GEW-233	3/1/2021 2:47:16 PM	1.3	25.4	9.7	63.6	59.2	59.4	1.72	1.72	-0.11	-0.12	-18.60
GEW-233	3/1/2021 2:48:14 PM	1.1	25.4	9.7	63.8	59.3	59.3	3.64	2.10	-0.10	-0.11	-18.60
GEW-233	3/15/2021 8:10:50 AM	2.8	31.9	8.5	56.8	47.9	47.9	1.25	1.25	-0.14	-0.14	-20.01
GEW-233	3/15/2021 8:12:26 AM	2.7	31.9	8.5	56.9	47.8	47.8	5.30	3.75	-0.13	-0.13	-19.77
GEW-233	3/31/2021 4:42:59 PM	1.7	24.6	9.3	64.4	55.7	55.7	2.43	2.70	-0.15	-0.15	-19.65
GEW-233	3/31/2021 4:44:43 PM	1.6	24.9	9.4	64.1	55.7	55.7	4.60	4.60	-0.15	-0.14	-19.71
GEW-234	3/10/2021 9:28:17 AM	12.3	37.2	0.0	50.5	149.1	148.9	27.94	28.87	-3.17	-3.18	-14.88
GEW-234	3/10/2021 9:29:05 AM	12.9	35.2	0.0	51.9	149.5	149.1	29.84	29.84	-3.15	-3.15	-14.76
GEW-234	3/22/2021 10:09:12 AM	12.2	33.9	0.1	53.8	149.9	149.9	30.99	30.80	-3.55	-3.55	-19.75
GEW-234	3/22/2021 10:10:07 AM	12.7	32.9	0.0	54.4	149.9	149.9	30.60	30.22	-3.57	-3.57	-19.92
GEW-235	3/10/2021 9:51:18 AM	33.0	52.5	0.0	14.5	137.1	137.1	5.83	5.74	-3.41	-3.40	-19.96
GEW-235	3/10/2021 9:52:19 AM	33.1	52.8	0.0	14.1	136.5	136.8	3.92	3.78	-3.35	-3.36	-19.83
GEW-235	3/22/2021 10:25:20 AM	8.9	65.9	0.0	25.2	152.5	152.6	2.92	3.26	0.55	0.55	-19.37
GEW-235	3/22/2021 10:27:59 AM	8.9	67.2	0.0	23.9	157.7	157.3	8.78	8.36	-0.20	-0.21	-19.45
GEW-236	3/3/2021 10:49:33 AM	3.0	26.2	9.9	60.9	190.9	190.9	11.20	11.20	-0.43	-0.43	-18.14
GEW-236	3/3/2021 10:52:07 AM	2.9	26.2	9.8	61.1	190.3	190.2	11.05	9.88	-0.20	-0.20	-18.10
GEW-236	3/17/2021 8:35:44 AM	5.3	51.7	0.2	42.8	190.9	190.9	11.95	9.66	0.04	0.03	-18.24
GEW-236	3/17/2021 8:37:24 AM	4.9	53.8	0.1	41.2	191.2	190.9	10.27	9.36	-0.01	-0.02	-17.81
GEW-237	3/4/2021 11:02:58 AM	32.8	38.6	4.3	24.3	127.2	126.9	9.11	8.78	-0.12	-0.11	-18.91
GEW-237	3/31/2021 9:33:28 AM	29.1	32.7	5.7	32.5	117.9	118.1	2.69	4.39	-0.06	-0.04	-20.32
GEW-237	3/31/2021 9:34:36 AM	28.6	34.3	5.6	31.5	117.9	118.1	7.03	9.25	-0.05	-0.04	-20.44
GEW-238	3/4/2021 11:13:57 AM	18.1	64.5	0.0	17.4	188.9	188.9	38.86	37.96	-1.79	-1.78	-17.59
GEW-238	3/4/2021 11:14:48 AM	17.6	64.5	0.0	17.9	188.9	188.9	38.61	38.12	-1.78	-1.79	-18.18
GEW-238	3/18/2021 8:18:13 AM	12.4	64.9	0.0	22.7	181.6	181.6	38.11	38.10	-2.18	-2.18	-19.24
GEW-238	3/18/2021 8:19:15 AM	11.9	66.5	0.0	21.6	182.1	182.0	38.67	38.51	-2.20	-2.21	-19.70
GEW-239	3/3/2021 1:48:12 PM	2.1	51.7	0.0	46.2	199.3	199.3	8.45	10.90	-0.05	-0.05	-18.52
GEW-239	3/3/2021 1:49:20 PM	1.6	54.4	0.0	44.0	199.3	199.3	11.07	11.07	-0.03	-0.03	-18.73
GEW-239	3/17/2021 7:56:54 AM	1.8	54.8	0.0	43.4	198.3	198.7	15.56	12.45	-0.04	-0.03	-18.94
GEW-239	3/17/2021 7:57:53 AM	1.4	55.0	0.0	43.6	199.4	199.3	14.21	14.44	-0.10	-0.10	-19.32
GEW-240	3/1/2021 3:21:39 PM	0.9	24.7	6.0	68.4	179.7	179.7	7.82	6.97	-0.10	-0.10	-18.65
GEW-240	3/1/2021 3:22:38 PM	0.8	25.0	6.0	68.2	179.2	180.0	7.04	8.18	-0.11	-0.10	-18.73
GEW-240	3/15/2021 8:23:38 AM	8.6	36.0	0.0	55.4	183.9	183.5	6.90	7.95	0.04	0.04	-20.01

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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-240	3/15/2021 8:26:32 AM	8.2	37.9	0.0	53.9	185.7	185.8	9.17	8.85	-0.06	-0.06	-20.13
GEW-240	3/31/2021 4:53:41 PM	3.0	27.2	0.6	69.2	178.0	178.0	6.89	7.51	-0.20	-0.20	-19.71
GEW-240	3/31/2021 4:58:59 PM	2.9	27.3	0.5	69.3	178.0	178.0	8.44	7.58	-0.20	-0.20	-19.77
GEW-241	3/4/2021 11:01:14 AM	38.6	42.6	0.0	18.8	125.3	125.3	13.89	15.94	-0.17	-0.18	-19.52
GEW-241	3/25/2021 10:41:29 AM	40.7	47.7	0.0	11.6	124.7	124.8	17.02	19.42	-0.17	-0.17	-21.24
GEW-242	3/10/2021 1:50:07 PM	17.7	45.6	1.1	35.6	182.7	178.0	6.25	7.59	-16.21	-16.21	-19.66
GEW-242	3/10/2021 1:51:52 PM	20.2	53.0	0.4	26.4	182.7	181.5	8.09	6.53	-16.80	-16.80	-19.87
GEW-242	3/22/2021 11:10:56 AM	9.7	39.9	5.5	44.9	159.8	158.5	8.20	5.64	-15.20	-15.20	-18.77
GEW-242	3/22/2021 11:12:18 AM	9.1	40.9	5.5	44.5	160.2	158.6	7.83	6.36	-15.20	-15.20	-18.94
GEW-242	3/31/2021 3:14:56 PM	10.3	34.8	8.6	46.3	164.7	164.3	5.22	6.29	-16.21	-16.21	-19.07
GEW-242	3/31/2021 3:15:55 PM	10.5	32.6	8.8	48.1	165.7	165.5	7.74	8.82	-16.21	-16.21	-19.15
GEW-243	3/10/2021 10:04:15 AM	21.9	46.0	0.1	32.0	155.2	155.3	13.81	11.16	-12.20	-12.20	-20.72
GEW-243	3/10/2021 10:05:06 AM	22.5	43.1	0.1	34.3	155.5	155.6	15.75	12.69	-12.20	-12.20	-20.51
GEW-243	3/22/2021 10:43:12 AM	23.5	43.5	0.2	32.8	145.1	145.0	10.48	11.41	-14.86	-14.86	-19.70
GEW-243	3/22/2021 10:44:14 AM	24.0	41.7	0.2	34.1	145.1	145.2	12.05	8.98	-14.86	-14.86	-19.37
GEW-244	3/10/2021 10:00:36 AM	14.6	65.7	0.0	19.7	73.2	73.2	7.57	6.89	-0.11	-0.11	-19.96
GEW-244	3/12/2021 2:49:24 PM	11.7	63.4	0.1	24.8	61.6	61.8	4.71	3.84	2.29	2.30	-19.24
GEW-244	3/12/2021 3:00:53 PM	9.3	63.4	0.0	27.3	74.7	74.6	2.63	2.63	-0.71	-0.71	-19.32
GEW-244	3/24/2021 10:43:01 AM	20.9	60.2	0.0	18.9	67.2	67.6	5.84	4.91	-1.70	-1.70	-19.28
GEW-245	3/10/2021 9:56:28 AM	9.0	66.6	0.0	24.4	88.3	88.6	6.08	5.01	-0.24	-0.24	-19.83
GEW-245	3/24/2021 10:34:03 AM	21.1	63.7	0.0	15.2	76.8	76.9	6.10	8.94	-0.46	-0.45	-19.28
GEW-246	3/4/2021 10:19:17 AM	32.2	60.4	0.0	7.4	176.6	176.4	12.91	10.33	-2.41	-2.42	-18.10
GEW-246	3/4/2021 10:20:46 AM	32.5	60.0	0.0	7.5	176.4	176.4	10.19	11.06	-2.38	-2.38	-18.22
GEW-246	3/18/2021 8:05:37 AM	30.2	59.3	0.0	10.5	161.1	162.9	10.91	10.88	-2.80	-2.80	-19.62
GEW-246	3/18/2021 8:06:42 AM	30.6	59.9	0.0	9.5	163.8	162.9	8.98	7.92	-2.82	-2.83	-19.79
GEW-247	3/3/2021 2:14:05 PM	7.6	55.7	0.0	36.7	98.9	99.1	3.00	3.21	-0.99	-1.00	-19.03
GEW-247	3/25/2021 10:12:23 AM	10.2	55.2	0.0	34.6	86.9	87.0	2.84	2.29	-0.91	-0.90	-20.07
GEW-248	3/3/2021 2:17:19 PM	1.2	22.9	9.8	66.1	107.2	107.4	4.48	4.59	0.00	0.00	-18.79
GEW-248	3/3/2021 2:19:37 PM	1.2	21.6	9.9	67.3	109.7	109.7	3.52	6.50	-0.06	-0.05	-18.91
GEW-248	3/17/2021 8:10:32 AM	1.5	39.2	2.5	56.8	190.9	190.9	12.05	11.53	-0.52	-0.51	-20.20
GEW-248	3/17/2021 8:12:00 AM	1.4	39.8	2.6	56.2	190.9	190.9	12.96	12.70	-0.49	-0.51	-19.89
GEW-249	3/4/2021 11:05:25 AM	41.1	55.5	0.0	3.4	98.4	98.9	3.93	4.15	0.02	0.01	-19.03
GEW-249	3/4/2021 11:07:05 AM	40.4	57.1	0.0	2.5	107.2	108.2	1.94	2.24	-0.06	-0.07	-18.97
GEW-249	3/25/2021 10:37:25 AM	40.3	56.1	0.0	3.6	94.7	94.3	2.33	2.25	-0.02	-0.02	-20.01
GEW-250	3/10/2021 9:13:24 AM	1.1	30.7	8.2	60.0	165.9	168.5	8.61	8.57	0.02	0.02	-17.12
GEW-250	3/10/2021 9:15:32 AM	1.1	29.6	8.2	61.1	173.6	173.7	2.99	5.17	-0.05	-0.06	-17.76
GEW-250	3/22/2021 9:48:23 AM	0.6	17.3	12.5	69.6	152.1	152.4	8.80	6.98	-0.15	-0.16	-18.44
GEW-250	3/22/2021 9:50:37 AM	0.6	16.2	12.6	70.6	148.8	148.8	6.21	6.38	-0.07	-0.08	-17.29
GEW-251	3/11/2021 10:12:26 AM	1.3	12.2	16.9	69.6	133.5	133.5	22.64	22.56	-1.91	-1.90	-21.11
GEW-251	3/11/2021 10:13:54 AM	1.1	8.8	17.3	72.8	132.3	132.0	17.68	18.31	-1.52	-1.51	-20.81
GEW-251	3/25/2021 2:05:30 PM	3.5	17.3	11.6	67.6	128.8	128.6	15.74	16.62	-4.57	-4.55	-20.56

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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-251	3/25/2021 2:06:57 PM	3.4	16.4	11.7	68.5	128.3	128.3	15.66	15.73	-4.34	-4.34	-20.07
GEW-252	3/4/2021 2:02:23 PM	39.4	44.6	0.0	16.0	92.7	92.9	7.45	7.45	-8.90	-8.90	-19.22
GEW-252	3/25/2021 10:55:00 AM	41.2	50.4	0.0	8.4	86.1	86.2	3.94	3.94	-9.11	-9.11	-20.01
GEW-253	3/4/2021 11:20:38 AM	2.9	14.6	13.0	69.5	171.0	171.0	6.99	6.99	-0.06	-0.06	-18.10
GEW-253	3/4/2021 11:21:48 AM	3.1	14.3	12.9	69.7	170.5	171.0	8.77	6.85	-0.08	-0.09	-18.44
GEW-253	3/18/2021 10:35:33 AM	1.1	18.1	11.7	69.1	145.6	145.6	9.04	8.67	-0.11	-0.11	-19.92
GEW-253	3/18/2021 10:37:00 AM	0.9	17.3	11.8	70.0	143.9	143.5	7.54	6.85	-0.05	-0.05	-20.35
GEW-2S	3/3/2021 10:20:04 AM	54.4	39.4	0.0	6.2	70.6	70.7	9.77	10.05	-0.98	-0.98	-14.38
GEW-2S	3/8/2021 9:08:59 AM	55.0	37.3	0.0	7.7	67.2	67.2	8.83	7.21	-0.93	-0.93	-13.77
GEW-2S	3/8/2021 9:14:55 AM	54.8	37.5	0.0	7.7	67.7	67.7	10.80	12.42	-0.94	-0.94	-14.08
GEW-2S	3/18/2021 7:14:42 AM	56.8	40.1	0.0	3.1	56.8	56.7	9.54	6.53	-0.94	-0.94	-13.83
GEW-2S	3/22/2021 9:47:12 AM	56.6	37.1	0.0	6.3	67.5	67.5	5.88	5.37	-0.82	-0.83	-14.26
GEW-2S	3/29/2021 9:49:38 AM	55.0	37.2	0.0	7.8	67.5	67.5	8.15	8.41	-0.81	-0.82	-14.20
GIW-01	3/1/2021 9:44:05 AM	32.1	55.7	0.5	11.7	101.6	101.6	5.81	5.59	-1.75	-1.75	-18.27
GIW-01	3/8/2021 8:47:52 AM	35.6	57.8	0.2	6.4	106.3	106.5	4.70	4.70	-1.71	-1.71	-20.08
GIW-01	3/8/2021 8:54:43 AM	35.1	56.3	0.0	8.6	106.5	106.5	2.93	5.65	-1.72	-1.72	-20.00
GIW-01	3/15/2021 8:09:18 AM	33.2	62.5	0.0	4.3	103.5	103.8	4.46	3.34	-1.55	-1.55	-19.58
GIW-01	3/22/2021 2:04:30 PM	35.0	55.2	0.2	9.6	113.5	113.2	3.49	3.12	-1.23	-1.24	-18.60
GIW-01	3/31/2021 1:57:32 PM	33.2	53.2	0.1	13.5	100.4	100.4	4.75	4.48	-1.71	-1.72	-18.99
GIW-02	3/1/2021 9:47:42 AM	20.2	54.2	0.3	25.3	51.0	51.3	1.23	1.23	-0.45	-0.45	-18.60
GIW-02	3/8/2021 8:58:49 AM	21.6	54.3	0.8	23.3	65.4	65.4	2.08	2.08	-0.43	-0.43	-19.96
GIW-02	3/8/2021 9:04:45 AM	21.9	56.2	0.7	21.2	64.9	64.9	1.70	1.20	-0.44	-0.43	-20.00
GIW-02	3/15/2021 8:11:51 AM	19.5	63.2	0.0	17.3	47.5	47.4	3.29	3.29	-0.25	-0.25	-19.83
GIW-02	3/22/2021 2:06:54 PM	21.8	62.5	0.0	15.7	72.7	72.7	3.37	3.37	-0.21	-0.21	-19.09
GIW-02	3/31/2021 2:00:16 PM	23.9	53.4	0.0	22.7	61.6	61.6	3.62	3.62	-0.41	-0.40	-19.28
GIW-03	3/1/2021 9:50:43 AM	25.2	46.2	0.5	28.1	47.6	48.0	2.73	1.73	-6.46	-6.46	-18.60
GIW-03	3/8/2021 9:08:18 AM	28.4	50.0	0.3	21.3	63.6	63.7	1.18	1.67	-6.75	-6.75	-20.17
GIW-03	3/8/2021 9:14:04 AM	29.9	47.6	0.0	22.5	65.1	65.1	1.18	1.67	-7.09	-7.09	-20.04
GIW-03	3/15/2021 8:14:26 AM	24.9	47.4	0.2	27.5	47.1	47.1	1.73	2.74	-5.78	-5.78	-19.83
GIW-03	3/22/2021 2:08:16 PM	28.5	48.1	0.0	23.4	71.4	71.4	2.88	1.66	-6.66	-6.66	-19.03
GIW-03	3/31/2021 2:02:43 PM	27.9	46.8	0.1	25.2	59.3	59.4	2.39	1.20	-6.42	-6.42	-19.15
GIW-04	3/1/2021 9:54:06 AM	26.6	46.4	1.5	25.5	50.9	51.0	1.22	1.22	-4.09	-4.08	-18.60
GIW-04	3/8/2021 9:17:53 AM	30.6	43.9	1.9	23.6	65.8	65.8	1.68	2.05	-4.45	-4.45	-19.96
GIW-04	3/8/2021 9:23:46 AM	33.2	47.4	0.7	18.7	68.1	68.1	3.73	2.89	-4.54	-4.53	-19.92
GIW-04	3/15/2021 8:16:57 AM	25.5	43.3	1.7	29.5	46.3	46.3	4.45	3.26	-3.83	-3.84	-19.92
GIW-04	3/22/2021 2:10:49 PM	27.9	43.8	0.9	27.4	73.3	73.4	3.34	3.12	-3.35	-3.36	-19.03
GIW-04	3/31/2021 2:05:45 PM	28.2	41.2	1.8	28.8	62.1	62.1	1.69	1.69	-4.34	-4.34	-19.28
GIW-05	3/1/2021 9:58:17 AM	35.5	41.6	0.6	22.3	47.6	47.6	1.23	1.73	-5.45	-5.45	-18.52
GIW-05	3/8/2021 9:28:01 AM	38.8	37.6	1.9	21.7	64.7	64.7	1.68	1.19	-5.40	-5.40	-19.96
GIW-05	3/8/2021 9:34:30 AM	43.9	41.7	0.1	14.3	65.3	65.3	1.18	1.18	-5.45	-5.45	-19.96
GIW-05	3/15/2021 8:21:06 AM	33.4	37.8	1.8	27.0	46.0	46.0	3.26	3.26	-4.93	-4.93	-19.66

March 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-05	3/22/2021 2:13:36 PM	35.1	38.6	0.6	25.7	74.5	74.5	2.35	3.11	-4.40	-4.40	-19.09
GIW-05	3/31/2021 2:09:15 PM	32.7	35.3	1.9	30.1	61.8	61.8	1.69	1.69	-5.40	-5.40	-19.11
GIW-06	3/1/2021 10:04:57 AM	41.6	42.1	0.0	16.3	51.9	52.8	2.93	2.67	-12.16	-12.16	-18.48
GIW-06	3/8/2021 9:38:24 AM	45.5	39.9	0.0	14.6	66.8	67.0	2.56	1.62	-17.90	-17.90	-19.96
GIW-06	3/8/2021 9:44:07 AM	45.0	40.0	0.0	15.0	67.6	67.7	1.14	1.98	-17.90	-17.90	-19.62
GIW-06	3/17/2021 6:31:59 AM	37.9	35.8	0.3	26.0	47.7	47.7	4.48	4.48	-14.52	-14.52	-19.49
GIW-06	3/22/2021 2:16:25 PM	34.9	38.6	0.0	26.5	75.4	75.7	1.86	1.95	-17.59	-17.55	-18.97
GIW-06	3/31/2021 2:11:56 PM	37.0	37.3	0.8	24.9	61.8	62.0	2.00	2.83	-17.90	-17.90	-19.20
GIW-07	3/1/2021 10:07:50 AM	47.6	45.7	1.4	5.3	57.0	57.3	1.72	1.72	-1.89	-1.89	-18.60
GIW-07	3/8/2021 9:47:26 AM	53.4	46.1	0.5	0.0	69.6	70.0	1.19	1.19	-1.69	-1.70	-19.62
GIW-07	3/8/2021 9:52:56 AM	53.7	46.2	0.1	0.0	72.0	72.1	1.18	1.18	-1.75	-1.74	-19.62
GIW-07	3/17/2021 6:34:33 AM	50.4	46.7	0.0	2.9	47.9	47.9	5.25	5.39	-1.35	-1.35	-19.28
GIW-07	3/22/2021 2:18:19 PM	48.0	43.5	0.3	8.2	75.3	75.4	3.34	3.34	-1.56	-1.55	-19.03
GIW-07	3/31/2021 2:14:16 PM	46.4	44.2	0.7	8.7	63.0	63.2	4.95	2.94	-1.93	-1.93	-19.28
GIW-08	3/1/2021 10:10:21 AM	51.5	46.0	0.0	2.5	56.2	56.3	2.10	2.10	-2.68	-2.68	-18.60
GIW-08	3/8/2021 9:56:18 AM	55.5	44.5	0.0	0.0	70.4	70.4	2.64	1.67	-2.60	-2.60	-19.62
GIW-08	3/8/2021 10:01:27 AM	56.6	43.2	0.0	0.2	69.3	69.3	2.37	3.55	-2.64	-2.64	-19.37
GIW-08	3/17/2021 6:37:18 AM	52.1	44.8	0.0	3.1	48.0	48.0	1.74	2.76	-2.53	-2.53	-19.53
GIW-08	3/22/2021 2:20:32 PM	49.0	43.2	0.0	7.8	75.7	75.7	3.33	2.04	-2.32	-2.32	-19.03
GIW-08	3/31/2021 2:17:27 PM	48.8	43.0	0.0	8.2	60.5	61.1	3.40	3.40	-2.78	-2.78	-19.07
GIW-09	3/1/2021 10:14:20 AM	34.5	37.9	1.2	26.4	51.8	53.4	2.75	2.12	-0.95	-0.95	-18.60
GIW-09	3/8/2021 10:04:38 AM	43.0	41.8	0.0	15.2	68.6	68.6	1.68	2.66	-0.81	-0.81	-19.28
GIW-09	3/8/2021 10:10:03 AM	43.1	41.5	0.0	15.4	68.8	68.9	2.38	1.68	-0.82	-0.82	-19.28
GIW-09	3/17/2021 6:41:08 AM	40.4	40.9	0.0	18.7	47.6	47.6	2.15	1.76	-0.32	-0.33	-19.58
GIW-09	3/22/2021 2:22:42 PM	41.0	39.9	0.0	19.1	74.3	74.4	3.36	2.65	-0.35	-0.33	-18.67
GIW-09	3/31/2021 2:19:56 PM	39.2	39.1	0.0	21.7	59.4	59.4	2.10	2.10	-0.76	-0.76	-18.94
GIW-10	3/1/2021 10:16:40 AM	34.0	37.3	0.0	28.7	53.9	54.1	3.44	3.84	-3.67	-3.67	-18.65
GIW-10	3/8/2021 10:41:04 AM	38.4	35.1	0.0	26.5	70.7	70.8	1.67	2.63	-3.52	-3.51	-19.28
GIW-10	3/8/2021 10:46:36 AM	39.7	34.5	0.0	25.8	72.0	72.0	1.18	2.63	-3.54	-3.54	-18.94
GIW-10	3/17/2021 6:43:49 AM	32.3	37.0	0.0	30.7	48.1	48.2	1.74	1.74	-2.75	-2.75	-19.66
GIW-10	3/22/2021 2:24:32 PM	32.2	36.2	0.0	31.6	76.1	76.1	2.63	2.35	-2.92	-2.94	-19.03
GIW-10	3/31/2021 2:22:19 PM	32.2	34.8	0.0	33.0	63.3	63.3	3.16	2.67	-3.35	-3.36	-18.94
GIW-11	3/1/2021 10:19:34 AM	28.0	33.5	0.7	37.8	53.3	53.3	7.33	5.04	-2.39	-2.38	-13.83
GIW-11	3/8/2021 10:50:44 AM	32.9	32.4	0.4	34.3	70.7	70.4	8.10	8.11	-2.14	-2.14	-15.39
GIW-11	3/8/2021 10:56:59 AM	31.3	31.4	0.5	36.8	70.7	70.7	4.73	2.36	-2.17	-2.16	-15.18
GIW-11	3/17/2021 6:46:48 AM	30.6	34.9	0.3	34.2	48.2	48.2	2.14	3.03	-1.80	-1.79	-15.94
GIW-11	3/22/2021 2:26:47 PM	30.5	34.4	0.1	35.0	78.5	78.5	2.88	4.55	-1.79	-1.80	-12.91
GIW-11	3/31/2021 2:25:37 PM	26.6	31.9	0.4	41.1	63.3	63.4	3.98	4.64	-2.08	-2.09	-15.56
GIW-12	3/1/2021 10:23:34 AM	33.8	36.9	1.1	28.2	51.3	51.5	2.13	1.23	-0.47	-0.47	-16.66
GIW-12	3/8/2021 11:00:57 AM	37.5	36.6	0.5	25.4	70.1	70.2	4.76	2.91	-0.29	-0.28	-17.29
GIW-12	3/8/2021 11:07:10 AM	37.9	37.0	0.4	24.7	70.9	71.0	1.19	1.19	-0.28	-0.28	-17.59

March 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-12	3/17/2021 6:49:52 AM	38.3	39.6	0.0	22.1	47.8	47.8	1.76	1.76	-0.17	-0.18	-18.65
GIW-12	3/22/2021 2:29:20 PM	37.4	38.1	0.0	24.5	76.1	76.2	2.90	3.55	-0.19	-0.20	-17.63
GIW-12	3/31/2021 2:28:11 PM	33.2	34.3	0.5	32.0	58.7	58.7	4.21	1.72	-0.26	-0.27	-17.93
GIW-13	3/1/2021 10:26:12 AM	47.8	44.5	0.0	7.7	51.3	51.5	1.23	2.13	-1.49	-1.50	-13.49
GIW-13	3/8/2021 11:10:25 AM	53.9	45.5	0.0	0.6	71.8	71.9	1.18	2.64	-1.22	-1.23	-12.52
GIW-13	3/8/2021 11:16:00 AM	53.7	44.9	0.0	1.4	71.7	71.7	3.74	2.90	-1.22	-1.22	-12.56
GIW-13	3/17/2021 6:52:27 AM	48.9	45.5	0.0	5.6	47.9	47.9	5.40	3.04	-0.72	-0.72	-15.22
GIW-13	3/22/2021 2:31:07 PM	47.3	44.5	0.0	8.2	75.4	75.5	3.74	3.92	-0.97	-0.96	-13.34
GIW-13	3/31/2021 2:30:38 PM	49.2	42.8	0.0	8.0	59.4	59.2	2.71	2.97	-1.31	-1.30	-13.49
LCS-1D	3/3/2021 1:44:06 PM	51.2	37.0	2.5	9.3	76.4	76.4	2.59	3.47	-6.42	-6.42	-14.59
LCS-1D	3/22/2021 3:24:09 PM	47.3	37.5	2.7	12.5	71.9	72.0	1.17	2.60	-7.01	-7.01	-14.63
LCS-2D	3/10/2021 11:14:50 AM	56.2	41.5	0.6	1.7	69.7	69.7	10.98	10.98	-17.73	-17.73	-19.87
LCS-2D	3/31/2021 10:05:32 AM	51.3	41.5	1.7	5.5	53.2	53.2	11.20	12.27	-18.56	-18.56	-20.56
LCS-3D	3/1/2021 2:30:49 PM	32.0	61.8	0.4	5.8	160.7	159.8	14.09	17.55	-4.95	-4.94	-17.67
LCS-3D	3/1/2021 2:32:13 PM	31.3	62.5	0.4	5.8	160.7	160.7	14.42	14.97	-5.40	-5.40	-17.76
LCS-3D	3/15/2021 8:32:14 AM	33.0	66.3	0.1	0.6	152.5	152.4	12.45	13.90	-7.76	-7.76	-18.54
LCS-3D	3/15/2021 8:34:47 AM	32.9	62.9	0.1	4.1	152.6	152.7	10.42	12.77	-7.76	-7.76	-18.73
LCS-3D	3/31/2021 5:00:53 PM	31.7	63.4	0.0	4.9	159.0	158.5	13.92	13.89	-6.33	-6.33	-18.12
LCS-3D	3/31/2021 5:01:55 PM	31.5	63.8	0.0	4.7	159.0	159.0	12.81	13.85	-6.33	-6.33	-18.79
LCS-4B	3/4/2021 11:28:03 AM	25.0	55.5	4.3	15.2	68.7	68.9	3.37	3.77	-0.64	-0.64	-17.00
LCS-4B	3/24/2021 9:31:13 AM	18.8	55.5	4.7	21.0	60.4	60.4	3.82	6.17	-0.75	-0.76	-18.65
LCS-5A	3/3/2021 9:36:46 AM	56.2	42.5	0.0	1.3	88.4	88.0	17.05	20.98	-2.85	-2.86	-12.42
LCS-5A	3/10/2021 8:12:45 AM	55.7	44.1	0.0	0.2	85.4	85.8	25.86	20.87	-3.54	-3.55	-12.24
LCS-5A	3/17/2021 7:01:10 AM	56.1	42.5	0.0	1.4	70.8	71.7	19.95	22.00	-2.71	-2.71	-12.61
LCS-5A	3/22/2021 10:45:39 AM	55.7	43.0	0.0	1.3	88.2	88.1	18.44	16.08	-4.77	-4.77	-13.40
LCS-5A	3/29/2021 10:54:48 AM	56.3	41.8	0.0	1.9	84.4	84.4	20.61	20.61	-9.36	-9.36	-13.40
LCS-5B	3/3/2021 9:44:41 AM	53.5	42.5	0.1	3.9	122.7	122.3	18.11	17.76	-12.06	-12.06	-13.65
LCS-5B	3/10/2021 8:15:35 AM	53.7	42.7	0.0	3.6	117.3	116.9	10.62	10.91	-11.51	-11.51	-13.46
LCS-5B	3/17/2021 7:11:08 AM	52.5	41.9	0.6	5.0	102.1	101.8	10.59	10.64	-12.48	-12.48	-13.53
LCS-5B	3/22/2021 10:51:53 AM	52.9	43.2	0.1	3.8	128.5	128.3	15.76	15.76	-11.22	-11.22	-13.65
LCS-5B	3/29/2021 11:01:47 AM	53.1	42.6	0.1	4.2	130.3	130.0	13.84	17.41	-11.05	-11.05	-13.83
LCS-6B	3/3/2021 10:32:45 AM	53.9	42.4	0.0	3.7	86.3	86.2	6.75	8.26	-0.87	-0.87	-13.65
LCS-6B	3/10/2021 8:21:55 AM	53.4	43.1	0.0	3.5	78.0	78.0	5.60	5.60	-0.59	-0.59	-13.59
LCS-6B	3/18/2021 7:26:22 AM	54.8	43.0	0.0	2.2	60.7	60.7	18.11	17.88	-1.08	-1.08	-13.65
LCS-6B	3/22/2021 9:58:14 AM	53.7	42.9	0.0	3.4	82.6	83.0	8.33	6.80	-0.38	-0.37	-13.65
LCS-6B	3/29/2021 10:06:30 AM	54.0	42.5	0.0	3.5	81.9	81.9	5.56	7.35	-0.55	-0.55	-13.77
SEW-002	3/10/2021 10:36:30 AM	33.4	50.4	1.8	14.4	71.8	71.8	7.44	8.20	-12.87	-12.87	-19.62
SEW-002	3/24/2021 10:09:56 AM	38.0	49.4	1.9	10.7	64.3	64.4	3.26	4.75	-17.22	-17.22	-19.53
SEW-003	3/4/2021 10:07:50 AM	1.9	13.4	13.6	71.1	67.9	68.0	5.47	5.34	-0.08	-0.08	-18.52
SEW-003	3/4/2021 10:08:40 AM	1.8	12.8	13.7	71.7	67.9	68.0	4.63	5.07	-0.07	-0.07	-18.14
SEW-003	3/18/2021 8:02:00 AM	1.7	26.0	4.8	67.5	48.5	48.5	7.64	9.68	-0.21	-0.21	-20.13

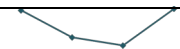
March 2021 Wellfield Monitoring Data - Bridgeton Landfill

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	3/3/2021 10:46:16 AM	50.1	35.3	0.1	14.5	49.0	49.0	17.19	15.16	-0.04	-0.05	-13.95
T-56	3/10/2021 8:23:37 AM	52.9	37.9	0.0	9.2	51.0	50.9	13.10	12.13	0.01	0.01	-13.71
T-56	3/10/2021 8:25:33 AM	53.5	36.8	0.0	9.7	50.7	50.5	13.41	13.71	-0.05	-0.06	-13.77
T-56	3/18/2021 7:41:08 AM	59.5	37.7	0.0	2.8	49.9	49.9	24.08	24.30	-0.06	-0.07	-13.46
T-56	3/22/2021 10:15:07 AM	52.1	36.5	0.0	11.4	52.9	52.9	11.42	10.68	0.02	0.01	-14.08
T-56	3/22/2021 10:16:30 AM	52.5	35.7	0.0	11.8	52.9	52.9	13.98	15.10	-0.02	-0.01	-13.89
T-56	3/29/2021 10:24:05 AM	47.6	35.6	0.0	16.8	54.2	54.2	9.87	10.66	-0.03	-0.03	-14.44

ATTACHMENT D-2

MAXIMUM WELLHEAD TEMPERATURE TABLE


Wellfield Temperature - Bridgeton Landfill

Well Name					Temp Trend	Comments
	December 2020	January 2021	February 2021	March 2021	><30°F	
GEW-002	109.5	109.0	109.8	110.0		
GEW-003	89.8	80.0	90.8	105.6		
GEW-004	106.3	106.0	106.9	108.0		
GEW-005	66.1	71.7	72.1	75.6		
GEW-006	82.3	80.2	80.5	81.4		
GEW-007	87.2	85.7	84.7	87.8		
GEW-008	110.2	109.2	108.7	110.5		
GEW-009	120.2	119.7	119.0	122.1		
GEW-010	83.7	75.2	75.7	86.8		
GEW-013A	192.9	194.8	192.3	194.3		
GEW-015	85.4	92.9	101.1	99.6		
GEW-016R	151.0	137.1	136.2	137.1		
GEW-018B	197.2	198.6	197.2	193.6		
GEW-019A	60.3	41.1	61.6	80.5		
GEW-039	97.3	98.0	97.0	101.8		
GEW-040	62.1	51.3	53.4	74.7		
GEW-041R	76.9	115.9	66.8	80.0		
GEW-042R	100.4	96.5	93.4	96.0		
GEW-043R	114.5	113.5	113.0	113.2		
GEW-044	69.1	61.3	71.2	76.4		
GEW-045R	91.7	88.4	87.0	90.3		
GEW-046R	98.4	96.2	95.0	93.6		
GEW-047R	94.0	90.5	87.0	90.3		
GEW-048	92.9	91.7	92.2	92.5		
GEW-049	93.7	90.3	67.2	78.3		
GEW-050	92.6	91.8	88.3	93.9		
GEW-051	112.5	108.2	93.3	112.5		
GEW-052	97.9	98.9	95.5	100.7		
GEW-053	141.4	140.9	140.5	133.5		
GEW-054	146.3	145.9	145.0	144.2		
GEW-055	128.9	125.3	126.1	129.7		
GEW-056R	84.2	83.0	72.3	87.9		
GEW-057B	156.5	154.4	65.1	84.2		
GEW-058A	76.6	--	--	--		Temporarily decommissioned
GEW-059R	117.3	93.4	86.1	118.6		
GEW-067A	187.6	184.5	178.9	187.6		
GEW-068A	168.1	166.6	167.1	166.1		
GEW-078R	151.7	143.2	153.9	156.9		


Wellfield Temperature - Bridgeton Landfill

Well Name					Temp Trend	Comments
	December 2020	January 2021	February 2021	March 2021	><30°F	
GEW-082R	169.8	172.1	170.6	171.0		
GEW-086	174.2	156.9	143.2	153.7		
GEW-087	201.6	194.3	191.9	197.2		
GEW-088	157.8	135.0	168.1	170.0		
GEW-090	157.3	153.4	156.5	158.3		
GEW-091	198.6	198.6	197.9	202.3		
GEW-100	159.8	127.4	69.1	64.8		
GEW-101	86.8	63.2	74.3	75.9		
GEW-102	64.4	64.8	59.2	70.0		
GEW-104	183.3	185.1	193.5	180.9		
GEW-105	83.0	62.6	66.5	87.0		
GEW-106	132.9	155.2	57.2	57.3		
GEW-107	115.0	97.5	89.8	118.1		
GEW-108	133.8	114.3	108.2	122.8		
GEW-109	70.7	57.2	64.9	79.3		
GEW-110	112.2	102.2	100.2	116.3		
GEW-113	176.4	174.2	176.1	174.2		
GEW-116	127.5	94.8	95.3	99.1		
GEW-117	125.8	115.8	107.0	125.2		
GEW-118	201.6	203.1	199.4	197.9		
GEW-120	112.5	98.4	109.5	116.8		
GEW-121	107.0	126.4	119.9	124.2		
GEW-122	55.5	58.0	60.7	73.0		
GEW-123	52.1	69.8	62.8	66.8		
GEW-124	44.7	49.5	62.4	61.6		
GEW-125	44.6	57.7	59.6	66.8		
GEW-126	44.7	59.0	58.2	66.8		
GEW-127	51.2	53.7	62.3	68.0		
GEW-128	--	--	--	--		Temporarily decommissioned
GEW-129	99.1	98.2	111.0	101.3		
GEW-130	137.4	134.9	136.7	142.5		
GEW-131	98.4	112.7	100.1	98.2		
GEW-132	118.6	91.5	87.4	110.0		
GEW-133	91.9	54.6	69.3	97.7		
GEW-134	74.9	40.5	59.2	79.6		
GEW-135	107.0	52.9	66.6	88.4		
GEW-137	48.2	47.9	61.9	73.2		

Wellfield Temperature - Bridgeton Landfill

Well Name					Temp Trend	Comments
	December 2020	January 2021	February 2021	March 2021	><30°F	
GEW-138	--	--	--	--		Temporarily decommissioned
GEW-139	130.8	56.7	63.3	64.9		
GEW-140	72.4	42.1	61.0	60.7		
GEW-144	81.7	44.9	62.6	70.2		
GEW-145	53.0	55.7	60.7	71.1		
GEW-147	152.5	150.5	151.7	148.8		
GEW-148	125.0	121.5	125.4	127.7		
GEW-149	52.8	58.9	52.7	73.3		
GEW-150	149.2	143.9	136.5	145.9		
GEW-151	62.0	--	--	--		Temporarily decommissioned
GEW-152	91.0	53.7	52.6	82.1		
GEW-153	93.4	70.9	69.3	95.0		
GEW-154	--	--	--	--		Temporarily decommissioned
GEW-155	--	--	--	--		Temporarily decommissioned
GEW-156	113.4	83.1	86.1	106.2		
GEW-157	61.6	59.7	51.0	80.6		
GEW-158	90.2	71.5	66.1	74.7		
GEW-159	--	--	--	--		Temporarily decommissioned
GEW-160	78.4	50.7	61.9	76.9		
GEW-161	98.5	67.9	70.2	87.0		
GEW-162	81.9	54.5	62.3	81.2		
GEW-163	79.8	79.4	74.8	77.6		
GEW-164	127.2	126.7	116.0	118.4		
GEW-165	121.8	114.0	108.2	121.8		
GEW-166	159.0	173.1	156.9	165.7		
GEW-167	131.4	112.0	109.1	114.1		
GEW-168	60.9	75.5	74.3	82.3		
GEW-169	77.3	76.3	69.3	77.1		
GEW-170	88.2	81.4	70.2	95.0		
GEW-171	67.8	48.7	60.5	58.0		
GEW-172	127.8	102.5	94.6	134.8		
GEW-173	--	--	--	--		Temporarily decommissioned
GEW-174	76.8	64.0	128.3	128.9		
GEW-175	120.2	104.8	53.9	77.7		
GEW-176	--	--	--	--		Temporarily decommissioned

Wellfield Temperature - Bridgeton Landfill

Well Name					Temp Trend	Comments
	December 2020	January 2021	February 2021	March 2021	><30°F	
GEW-177	159.0	157.7	153.1	145.6		
GEW-178	65.9	56.7	57.1	68.9		
GEW-179	75.5	70.1	78.7	84.2		
GEW-180	79.6	58.4	68.1	74.8		
GEW-181	76.6	52.0	61.0	69.8		
GEW-182	--	--	--	--		Temporarily decommissioned
GEW-184	--	--	--	--		Temporarily decommissioned
GEW-185	79.5	65.7	121.5	131.5		
GEW-186	56.2	65.7	79.4	87.5		
GEW-187	98.2	93.6	94.6	100.9		
GEW-188	--	--	--	--		Temporarily decommissioned
GEW-217	48.3	100.6	62.3	59.0		
GEW-218	88.8	78.0	68.9	76.1		
GEW-219	--	--	--	--		Temporarily decommissioned
GEW-220	52.7	75.0	70.2	97.2		
GEW-221	89.9	57.7	62.8	80.4		
GEW-222	78.4	59.1	65.4	72.5		
GEW-223	130.3	112.6	121.3	149.1		
GEW-224	148.8	130.1	133.8	125.0		
GEW-225	153.6	143.8	136.8	141.2		
GEW-226	171.9	165.2	153.7	147.1		
GEW-227	179.2	191.1	170.5	150.7		
GEW-228	171.6	114.3	158.7	160.8		
GEW-229	103.5	79.2	90.2	88.2		
GEW-230	148.8	--	--	--		Temporarily decommissioned
GEW-231	--	--	--	--		Temporarily decommissioned
GEW-232	109.7	107.2	107.9	129.7		
GEW-233	68.6	42.9	59.4	59.4		
GEW-234	202.3	198.6	201.6	149.9		
GEW-235	107.0	111.0	129.7	157.7		
GEW-236	201.6	203.9	195.9	191.2		
GEW-237	129.1	135.9	124.8	127.2		
GEW-238	190.2	187.0	189.6	188.9		
GEW-239	199.3	200.1	198.1	199.4		
GEW-240	188.6	186.1	179.7	185.8		

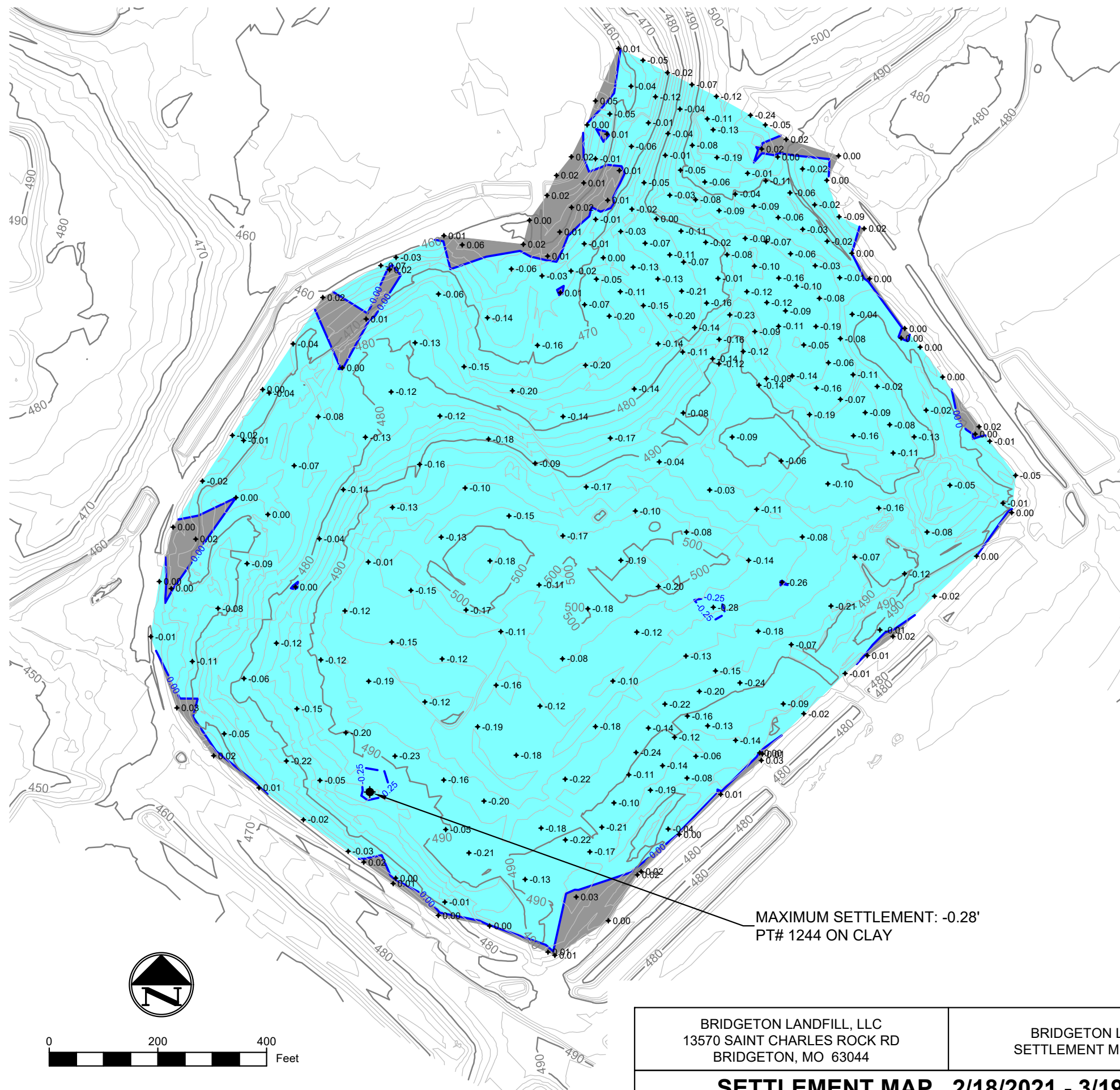
Wellfield Temperature - Bridgeton Landfill

Well Name					Temp Trend	Comments
	December 2020	January 2021	February 2021	March 2021	><30°F	
GEW-241	116.0	122.9	123.1	125.3		
GEW-242	193.6	158.5	195.0	182.7		
GEW-243	67.8	157.7	152.7	155.6		
GEW-244	99.4	114.3	74.1	74.7		
GEW-245	45.8	50.2	80.5	88.6		
GEW-246	200.8	200.8	196.4	176.6		
GEW-247	148.8	87.1	92.4	99.1		
GEW-248	196.4	182.7	94.8	190.9		
GEW-249	122.7	113.7	104.5	108.2		
GEW-250	168.1	153.3	155.6	173.7		
GEW-251	198.5	201.6	200.8	133.5		
GEW-252	182.4	179.2	169.5	92.9		
GEW-253	187.0	180.3	179.7	171.0		
GEW-2S	67.3	58.2	69.3	70.7		
GIW-01	122.9	116.8	107.7	113.5		
GIW-02	67.6	49.3	61.4	72.7		
GIW-03	57.2	45.6	58.7	71.4		
GIW-04	63.0	45.8	63.5	73.4		
GIW-05	52.3	42.5	60.8	74.5		
GIW-06	58.2	43.7	60.2	75.7		
GIW-07	65.7	47.9	64.7	75.4		
GIW-08	62.8	51.5	61.4	75.7		
GIW-09	62.1	45.6	63.1	74.4		
GIW-10	62.6	47.9	64.1	76.1		
GIW-11	63.9	46.2	62.6	78.5		
GIW-12	65.4	46.9	58.0	76.2		
GIW-13	64.5	49.0	61.1	75.5		
LCS-1D	52.9	57.3	50.8	76.4		
LCS-2D	73.0	40.8	60.7	69.7		
LCS-3D	171.0	137.1	154.9	160.7		
LCS-4B	45.6	62.4	60.4	68.9		
LCS-5A	92.7	91.3	87.7	88.4		
LCS-5B	133.5	123.9	102.4	130.3		
LCS-6B	95.0	78.7	83.0	86.3		
SEW-002	47.4	41.5	59.1	71.8		
SEW-003	60.3	61.3	56.7	68.0		
T-56	57.6	46.5	45.6	54.2		

-- = Indicates no data available.

ATTACHMENT E

SETTLEMENT FRONT MAP



MAXIMUM SETTLEMENT: -0.28'
PT# 1244 ON CLAY

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	1,464,529.23	Cyan
6	0.00	1.00	70,580.02	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 (2-18-2021 to 3-19-2021)
 - 3-2021 *SETTLEMENT FRONT CONTOUR FOR AREA WITH 1.31' PER 29 DAYS FOR CURRENT PERIOD OF DAYS
- *NONE FOR MARCH 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 2-18-21 FROM SPOT ELEVATIONS SURVEYED ON 3-19-21.
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.

BRIDGETON LANDFILL, LLC 13570 SAINT CHARLES ROCK RD BRIDGETON, MO 63044	BRIDGETON LANDFILL SETTLEMENT MONITORING	Engineering for a Better World FEEZOR ENGINEERING, INC.
SETTLEMENT MAP 2/18/2021 - 3/19/2021		MARCH 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\202103-2021 Report\Internal Draft\Site Data\Settlement\Settlement And Fil 3-19-2021.dwg		REVISION DATE
		DRAWING NO.: 001

ATTACHMENT F

LIQUID CHARACTERIZATION DATA AND DISCHARGE LOG

Bridgeton Landfill - Leachate PreTreatment Plant
March 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
3/1/2021				0
3/2/2021				0
3/3/2021				0
3/4/2021				0
3/5/2021				0
3/6/2021				0
3/7/2021				0
3/8/2021				0
3/9/2021				0
3/10/2021				0
3/11/2021				0
3/12/2021				0
3/13/2021				0
3/14/2021				0
3/15/2021				0
3/16/2021	LPTP Activated Sludge/ Permeate	Tank 1 (T1)	MBI	0
3/17/2021				0
3/18/2021				0
3/19/2021				0
3/20/2021				0
3/21/2021				0
3/22/2021				0
3/23/2021				0
3/24/2021				0
3/25/2021				0
3/26/2021				0
3/27/2021				0
3/28/2021				0
3/29/2021				0
3/30/2021				0
3/31/2021				0
Total				0

Direct Discharge to MSD

Date	Waste	Source	Quantity (gal)
3/1/2021			167,800
3/2/2021			154,728
3/3/2021			195,712
3/4/2021			182,596
3/5/2021			224,684
3/6/2021			190,020
3/7/2021			233,468
3/8/2021			243,680
3/9/2021			223,656
3/10/2021			164,057
3/11/2021			145,300
3/12/2021			152,276
3/13/2021			144,988
3/14/2021			160,452
3/15/2021		Through Tank AST 97k	159,696
3/16/2021	LPTP Permeate	(MSD Sampling Point 013)	181,844
3/17/2021			168,696
3/18/2021			133,717
3/19/2021			144,655
3/20/2021			124,896
3/21/2021			128,676
3/22/2021			182,504
3/23/2021			179,281
3/24/2021			200,057
3/25/2021			189,623
3/26/2021			153,557
3/27/2021			166,176
3/28/2021			175,104
3/29/2021			141,067
3/30/2021			162,525
3/31/2021			156,984
Total			5,332,475

ATTACHMENT G

VOLUMES OF LEACHATE PROCESSED

Bridgeton Landfill - Leachate Volumes
March 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 2,337,651 gallons. Therefore, the total leachate collected was 3,149,872 gallons.

ID	Volume
LCS -1D	0
LCS-2D	0
LCS-3D	156,139
LCS-4B	0
LCS-5A	618,368
LCS-5B	30,400
LCS-6B	7,314